M series

A.1 WALL-MOUNTED (MSZ/MSY) A-7

A.2 FLOOR-STANDING (MFZ) A-381

A.3 CEILING CASSETTE (MLZ) A-443

A.4 CEILING CASSETTE (SLZ) A-479

A.5 CEILING-CONCEALED (SEZ) A-519

A.6 CEILING-CONCEALED (PEAD) A-561

A.7 MULTI-POSITION AIR HANDLER (SVZ) A-629

A.8 OUTDOOR UNIT (SUZ) A-687

A.9 MULTI SYSTEM (MXZ) A-735

M series Model List

A.1 WALL-MOUNTED (MSZ/MSY) A-7

Indoor unit		Outdoor unit	
MSZ-FS06NA	MSZ-EF09NA(W)(B)(S)	MUZ-FS06NA(H)	MUZ-HM09NA(H)
MSZ-FS09NA	MSZ-EF12NA(W)(B)(S)	MUZ-FS09NA(H)	MUZ-HM12NA(H)
MSZ-FS12NA	MSZ-EF15NA(W)(B)(S)	MUZ-FS12NA(H)	MUZ-HM15NA(H)
MSZ-FS15NA	MSZ-EF18NA(W)(B)(S)	MUZ-FS15NA(H)	MUZ-HM18NA(H)
MSZ-FS18NA	MSZ-HM09NA	MUZ-FS18NA(H)	MUZ-HM24NA(H)
MSZ-GL06NA	MSZ-HM12NA	MUZ-GL09NA(H)	MUZ-WR09NA
MSZ-GL09NA	MSZ-HM15NA	MUZ-GL12NA(H)	MUZ-WR12NA
MSZ-GL12NA	MSZ-HM18NA	MUZ-GL15NA(H)	MUZ-WR18NA
MSZ-GL15NA	MSZ-HM24NA	MUZ-GL18NA(H)	MUZ-WR24NA
MSZ-GL18NA	MSZ-WR09NA	MUZ-GL24NA(H)	MUZ-JP09WA
MSZ-GL24NA	MSZ-WR12NA	MUY-GL09NA	MUZ-JP12WA
MSY-GL09NA	MSZ-WR18NA	MUY-GL12NA	
MSY-GL12NA	MSZ-WR24NA	MUY-GL15NA	
MSY-GL15NA	MSZ-JP09WA	MUY-GL18NA	
MSY-GL18NA	MSZ-JP12WA	MUY-GL24NA	
MSY-GL24NA			

A.2 FLOOR-STANDING (MFZ) A-381

Indoor unit	Outdoor unit
MFZ-KJ09NA	MUFZ-KJ09NAHZ
MFZ-KJ12NA	MUFZ-KJ12NAHZ
MFZ-KJ15NA	MUFZ-KJ15NAHZ
MFZ-KJ18NA	MUFZ-KJ18NAHZ

A.3 CEILING CASSETTE (MLZ) A-443

Indoor unit	Outdoor unit	
MLZ-KP09NA	SUZ-KA09NA(H)2	SUZ-KA09NAHZ
MLZ-KP12NA	SUZ-KA12NA(H)2	SUZ-KA12NAHZ
MLZ-KP18NA	SUZ-KA18NA(H)2	SUZ-KA18NAHZ

A.4 CEILING CASSETTE (SLZ).....A-479

SLZ-KF09NA
SLZ-KF12NA
SLZ-KF15NA
SLZ-KF18NA

A.5 CEILING-CONCEALED (SEZ).....A-519

SEZ-KD09NA4
SEZ-KD12NA4
SEZ-KD15NA4
SEZ-KD18NA4

A.6 CEILING-CONCEALED (PEAD).....A-561

PEAD-A09AA7
PEAD-A12AA7
PEAD-A15AA7
PEAD-A18AA7
PEAD-A24AA7
PEAD-A30AA7
PEAD-A36AA7

A.7 MULTI-POSITION AIR HANDLER (SVZ).....A-629

SVZ-KP12NA
SVZ-KP18NA
SVZ-KP24NA
SVZ-KP30NA
SVZ-KP36NA

A.8 OUTDOOR UNIT (SUZ).....A-687

SUZ-KA09NA(H)2	SUZ-KA09NAHZ
SUZ-KA12NA(H)2	SUZ-KA12NAHZ
SUZ-KA15NA(H)2	SUZ-KA15NAHZ
SUZ-KA18NA(H)2	SUZ-KA18NAHZ
SUZ-KA24NA(H)2	SUZ-KA24NAHZ
SUZ-KA30NA(H)2	SUZ-KA30NAHZ
SUZ-KA36NA(H)2	SUZ-KA36NAHZ

A.9 MULTI SYSTEM (MXZ).....A-735

Outdoor unit

MXZ-2C20NA2-U1	MXZ-2C20NAHZ2-U1
MXZ-3C24NA2-U1	MXZ-3C24NAHZ2-U1
MXZ-3C30NA2-U1	MXZ-3C30NAHZ2-U1
MXZ-4C36NA2-U1	MXZ-4C36NAHZ2-U1
MXZ-5C42NA2-U1	MXZ-5C42NAHZ2-U1
MXZ-8C48NA2-U1	MXZ-8C48NAHZ2-U1
MXZ-8C60NA2-U1	

M series Models

COMBINATION OF SINGLE SPLIT TYPE

Type			Model Name	
			Indoor unit	Outdoor unit
M series Wall-Mounted	Inverter	Heat pump	MSZ-FS06NA	MUZ-FS06NA
				MUZ-FS06NAH
			MSZ-FS09NA	MUZ-FS09NA
				MUZ-FS09NAH
			MSZ-FS12NA	MUZ-FS12NA
				MUZ-FS12NAH
			MSZ-FS15NA	MUZ-FS15NA
				MUZ-FS15NAH
			MSZ-FS18NA	MUZ-FS18NA
				MUZ-FS18NAH
			MSZ-GL06NA	for MXZ connection only
			MSZ-GL09NA	MUZ-GL09NA
				MUZ-GL09NAH
			MSZ-GL12NA	MUZ-GL12NA
				MUZ-GL12NAH
			MSZ-GL15NA	MUZ-GL15NA
				MUZ-GL15NAH
			MSZ-GL18NA	MUZ-GL18NA
				MUZ-GL18NAH
			MSZ-GL24NA	MUZ-GL24NA
				MUZ-GL24NAH
			MSY-GL09NA	MUY-GL09NA
			MSY-GL12NA	MUY-GL12NA
			MSY-GL15NA	MUY-GL15NA
			MSY-GL18NA	MUY-GL18NA
			MSY-GL24NA	MUY-GL24NA
			MSZ-EF09NA(W)(B)(S)	for MXZ connection only
			MSZ-EF12NA(W)(B)(S)	
			MSZ-EF15NA(W)(B)(S)	
			MSZ-EF18NA(W)(B)(S)	
			MSZ-HM09NA	MUZ-HM09NA
				MUZ-HM09NAH
			MSZ-HM12NA	MUZ-HM12NA
				MUZ-HM12NAH
			MSZ-HM15NA	MUZ-HM15NA
				MUZ-HM15NAH
			MSZ-HM18NA	MUZ-HM18NA
				MUZ-HM18NAH
			MSZ-HM24NA	MUZ-HM24NA
				MUZ-HM24NAH
			MSZ-WR09NA	MUZ-WR09NA
			MSZ-WR12NA	MUZ-WR12NA
			MSZ-WR18NA	MUZ-WR18NA
			MSZ-WR24NA	MUZ-WR24NA
			MSZ-JP09WA	MUZ-JP09WA
			MSZ-JP12WA	MUZ-JP12WA
Floor-Standing	Inverter	Heat pump	MFZ-KJ09NA	MUFZ-KJ09NAHZ
			MFZ-KJ12NA	MUFZ-KJ12NAHZ
			MFZ-KJ15NA	MUFZ-KJ15NAHZ
			MFZ-KJ18NA	MUFZ-KJ18NAHZ
Ceiling Cassette	Inverter	Heat pump	MLZ-KP09NA	SUZ-KA09NA(H)2
				SUZ-KA09NAHZ
			MLZ-KP12NA	SUZ-KA12NA(H)2
				SUZ-KA12NAHZ
			MLZ-KP18NA	SUZ-KA18NA(H)2
				SUZ-KA18NAHZ

Type			Model Name	
			Indoor unit	Outdoor unit
Ceiling Cassete	Inverter	Heat pump	SLZ-KF09NA	SUZ-KA09NA(H)2
				SUZ-KA09NAHZ
			SLZ-KF12NA	SUZ-KA12NA(H)2
				SUZ-KA12NAHZ
			SLZ-KF15NA	SUZ-KA15NA(H)2
				SUZ-KA15NAHZ
			SLZ-KF18NA	SUZ-KA18NA(H)2
				SUZ-KA18NAHZ
Ceiling-Conceiled	Inverter	Heat pump	SEZ-KD09NA4	SUZ-KA09NA(H)2
				SUZ-KA09NAHZ
			SEZ-KD12NA4	SUZ-KA12NA(H)2
				SUZ-KA12NAHZ
			SEZ-KD15NA4	SUZ-KA15NA(H)2
				SUZ-KA15NAHZ
			SEZ-KD18NA4	SUZ-KA18NA(H)2
				SUZ-KA18NAHZ
Ceiling-Conceiled	Inverter	Heat pump	PEAD-A09AA7	SUZ-KA09NA(H)2
				SUZ-KA09NAHZ
			PEAD-A12AA7	SUZ-KA12NA(H)2
				SUZ-KA12NAHZ
			PEAD-A15AA7	SUZ-KA15NA(H)2
				SUZ-KA15NAHZ
			PEAD-A18AA7	SUZ-KA18NA(H)2
				SUZ-KA18NAHZ
			PEAD-A24AA7	SUZ-KA24NA(H)2
				SUZ-KA24NAHZ
			PEAD-A30AA7	SUZ-KA30NA(H)2
				SUZ-KA30NAHZ
			PEAD-A36AA7	SUZ-KA36NA(H)2
				SUZ-KA36NAHZ
Multi-Positon	Inverter	Heat pump	SVZ-KP12NA	SUZ-KA12NA(H)2
				SUZ-KA12NAHZ
			SVZ-KP18NA	SUZ-KA18NA(H)2
				SUZ-KA18NAHZ
			SVZ-KP24NA	SUZ-KA24NA(H)2
				SUZ-KA24NAHZ
			SVZ-KP30NA	SUZ-KA30NA(H)2
				SUZ-KA30NAHZ
			SVZ-KP36NA	SUZ-KA36NA(H)2
				SUZ-KA36NAHZ

Indoor Unit Compatibility Table

■MXZ Series R410A

Possible combinations of outdoor units and indoor units are shown below.

Indoor Unit			Outdoor Unit: Inverter Models Heat pump type *1												
			MXZ-2C20NA2-U1	MXZ-3C24NA2-U1	MXZ-3C30NA2-U1	MXZ-4C36NA2-U1	MXZ-5C42NA2-U1	MXZ-8C48NA2-U1	MXZ-8C60NA2-U1	MXZ-2C20NAHZ2-U1	MXZ-3C24NAHZ2-U1	MXZ-3C30NAHZ2-U1	MXZ-4C36NAHZ2-U1	MXZ-5C42NAHZ2-U1	MXZ-8C48NAHZ2-U1
M series	Wall-Mounted	MSZ-FS06NA	●	●	●	●	●	●	●	●	●	●	●	●	●
		MSZ-FS09NA	●	●	●	●	●	●	●	●	●	●	●	●	●
		MSZ-FS12NA	●	●	●	●	●	●	●	●	●	●	●	●	●
		MSZ-FS15NA	●	●	●	●	●	●	●	●	●	●	●	●	●
		MSZ-FS18NA		●	●	●	●	●	●		●	●	●	●	●
		MSZ-GL06NA	●	●	●	●	●	●	●	●	●	●	●	●	●
		MSZ-GL09NA	●	●	●	●	●	●	●	●	●	●	●	●	●
		MSZ-GL12NA	●	●	●	●	●	●	●	●	●	●	●	●	●
		MSZ-GL15NA	●	●	●	●	●	●	●	●	●	●	●	●	●
		MSZ-GL18NA		●	●	●	●	●	●		●	●	●	●	●
		MSZ-GL24NA			●	●	●	●	●			●	●	●	●
		MSZ-EF09NAW(B)(S)	●	●	●	●	●	●	●	●	●	●	●	●	●
		MSZ-EF12NAW(B)(S)	●	●	●	●	●	●	●	●	●	●	●	●	●
		MSZ-EF15NAW(B)(S)	●	●	●	●	●	●	●	●	●	●	●	●	●
		MSZ-EF18NAW(B)(S)		●	●	●	●	●	●		●	●	●	●	●
	Floor-Standing	MFZ-KJ09NA	●	●	●	●	●	●	●	●	●	●	●	●	●
		MFZ-KJ12NA	●	●	●	●	●	●	●	●	●	●	●	●	●
		MFZ-KJ15NA	●	●	●	●	●	●	●	●	●	●	●	●	●
		MFZ-KJ18NA		●	●	●	●	●	●		●	●	●	●	●
	Ceiling Cassette	MLZ-KP09NA	●	●	●	●	●	●	●	●	●	●	●	●	●
		MLZ-KP12NA	●	●	●	●	●	●	●	●	●	●	●	●	●
		MLZ-KP18NA		●	●	●	●	●	●		●	●	●	●	●
		SLZ-KF09NA	●	●	●	●	●	●	●	●	●	●	●	●	●
		SLZ-KF12NA	●	●	●	●	●	●	●	●	●	●	●	●	●
		SLZ-KF15NA		●	●	●	●	●	●		●	●	●	●	●
		SLZ-KF18NA													
	Ceiling-Concealed	SEZ-KD09NA4	●	●	●	●	●	●	●	●	●	●	●	●	●
		SEZ-KD12NA4	●	●	●	●	●	●	●	●	●	●	●	●	●
		SEZ-KD15NA4	●	●	●	●	●	●	●	●	●	●	●	●	●
		SEZ-KD18NA4		●	●	●	●	●	●		●	●	●	●	●
	Multi-Position	SVZ-KP12NA	●	●	●	●	●	●	●	●	●	●	●	●	●
		SVZ-KP18NA		●	●	●	●	●	●		●	●	●	●	●
		SVZ-KP24NA			●	●	●	●	●			●	●	●	●
		SVZ-KP30NA						●	●				●	●	●
		SVZ-KP36NA						●	●				●	●	●
P series	Ceiling-Cassette	PLA-A12EA7						●	●				●	●	●
		PLA-A18EA7		●	●	●	●	●	●		●	●	●	●	●
		PLA-A24EA7						●	●				●	●	●
		PLA-A30EA7						●	●				●	●	●
		PLA-A36EA7						●	●				●	●	●
		PLA-A42EA7													
	Ceiling-Suspended	PCA-A24KA			●	●	●					●			
		PCA-A30KA													
		PCA-A36KA													
		PCA-A42KA													
	Ceiling-Concealed	PEAD-A09AA7	●	●	●	●	●	●	●	●	●	●	●	●	●
		PEAD-A12AA7	●	●	●	●	●	●	●	●	●	●	●	●	●
		PEAD-A15AA7		●	●	●	●	●	●		●	●	●	●	●
		PEAD-A18AA7		●	●	●	●	●	●		●	●	●	●	●
		PEAD-A24AA7			●	●	●	●	●			●	●	●	●
		PEAD-A30AA7						●	●				●	●	●
		PEAD-A36AA7						●	●				●	●	●

*1 MXZ outdoor units are not designed to operate with a single indoor unit with one-to-one piping work. Please install at least two indoor units.

■SUZ Series R410A

Possible combinations of outdoor units and indoor units are shown below.

Indoor Unit		Outdoor Unit	Inverter Models Heat pump type													
			SUZ-KA09NA(H)2	SUZ-KA12NA(H)2	SUZ-KA15NA(H)2	SUZ-KA18NA(H)2	SUZ-KA24NA(H)2	SUZ-KA30NA(H)2	SUZ-KA36NA(H)2	SUZ-KA09NAHZ	SUZ-KA12NAHZ	SUZ-KA15NAHZ	SUZ-KA18NAHZ	SUZ-KA24NAHZ	SUZ-KA30NAHZ	SUZ-KA36NAHZ
M-series	Ceiling Cassette	MLZ-KP09NA	●							●						
		MLZ-KP12NA		●							●					
		MLZ-KP18NA				●							●			
		SLZ-KF09NA	●							●						
		SLZ-KF12NA		●							●					
		SLZ-KF15NA			●							●				
		SLZ-KF18NA				●							●			
	Ceiling-Concealed	SEZ-KD09NA4	●							●						
		SEZ-KD12NA4		●							●					
		SEZ-KD15NA4			●							●				
		SEZ-KD18NA4				●							●			
	Multi-Position	SVZ-KP12NA		●							●					
		SVZ-KP18NA				●							●			
		SVZ-KP24NA					●							●		
		SVZ-KP30NA						●							●	
		SVZ-KP36NA							●							●
P-series	Ceiling-Concealed	PEAD-A09AA7	●							●						
		PEAD-A12AA7		●							●					
		PEAD-A15AA7			●							●				
		PEAD-A18AA7				●							●			
		PEAD-A24AA7					●							●		
		PEAD-A30AA7						●							●	
		PEAD-A36AA7							●							●

A.1 WALL-MOUNTED

A.1.1 SPECIFICATIONS A-8
A.1.1.1 Inverter A-8
A.1.2 OUTLINES AND DIMENSIONS A-35
A.1.2.1 Indoor Unit A-35
A.1.2.2 Outdoor Unit A-42
A.1.3 WIRING DIAGRAM A-51
A.1.3.1 Indoor Unit A-51
A.1.3.2 Outdoor Unit A-58
A.1.4 REFRIGERANT SYSTEM DIAGRAM A-81
A.1.4.1 Inverter A-81
A.1.4.2 Refrigerant Pipe Length and Pipe Size A-92
A.1.5 PERFORMANCE CURVES A-98
A.1.5.1 Inverter A-98
A.1.6 PERFORMANCE DATA A-157
A.1.6.1 Inverter A-157
A.1.7 NOISE CRITERIA CURVES A-209
A.1.7.1 Indoor Unit A-209
A.1.7.2 Outdoor Unit A-219
A.1.8 TEMPERATURE AND AIR FLOW DISTRIBUTIONS A-228
A.1.9 OPERATION AND ACTUATOR CONTROL A-259
A.1.9.1 MSZ-FS•NA Series A-259
A.1.9.2 MSZ(Y)-GL•NA Series A-269
A.1.9.3 MSZ-EF•NA Series A-278
A.1.9.4 MSZ-HM•NA Series A-286
A.1.9.5 MSZ-WR•NA Series A-291
A.1.9.6 MSZ-JP•WA Series A-296
A.1.10 CAPACITY CORRECTION RATIO CURVE FOR PIPING LENGTH A-301
A.1.11 POSITION OF THE CENTER OF GRAVITY A-302
A.1.11.1 Indoor Unit A-302
A.1.11.2 Outdoor Unit A-303
A.1.12 PART LOAD CAPACITY CHART A-304

A.1.1 SPECIFICATIONS

A.1.1.1 Inverter

Indoor unit model			MSZ-FS06NA	MSZ-FS09NA	MSZ-FS12NA	MSZ-FS15NA	MSZ-FS18NA
Power supply	V, phase, Hz		208/230 , 1 , 60				
Disconnect switch		A	15				
Min. circuit ampacity		A	1.0				
Fan motor		F.L.A	0.65				
Airflow Super high - High - Med. - Low - Quiet	COOL Dry (Wet)	CFM	381- 304 - 221 - 167 - 137 (328 - 261 - 190 - 143 - 117)	381- 304 - 221 - 167 - 137 (328 - 261 - 190 - 143 - 117)	424 - 304 - 221 - 167 - 137 (364- 261 - 190 - 143 - 117)	437 - 355 - 304 - 262 - 225 (376 - 305 - 261 - 225 - 194)	437 - 355 - 304 - 262 - 225 (376 - 305 - 261 - 225 - 194)
	HEAT Dry	CFM	437 - 381 - 225 - 167 - 140	437 - 381 - 225 - 167 - 140	454 - 367 - 282 - 226 - 155	514 - 410 - 350 - 272 - 201	514 - 410 - 350 - 272 - 201
Moisture removal		pt./h	0.2	0.6	1.9	4.0	5.1
Sound level Super high - High - Med. - Low - Quiet	Cooling	dB(A)	40 - 36 - 29 - 23 - 20	40 - 36 - 29 - 23 - 20	44 - 36 - 29 - 24 - 21	44 - 39 - 35 - 31 - 27	44 - 39 - 35 - 31 - 27
	Heating	dB(A)	42 - 39 - 29 - 24 - 20	42 - 39 - 29 - 24 - 20	43 - 38 - 32 - 28 - 21	46 - 40 - 37 - 31 - 25	46 - 40 - 37 - 31 - 25
Cond. drain connection O.D.		in.	5/8				
Dimensions	W	in.	36-7/16				
	D		9-3/16				
	H		12 (+ 11/16)				
Weight		lb.	29				
External finish			Munsell 1.0Y 9.2/0.2				
Remote controller			Wireless type				
Control voltage (by built-in transformer)			12 - 24 VDC				

NOTE: Test conditions are based on AHRI 210/240.

OPERATING RANGE

(1) POWER SUPPLY

	Rated voltage	Guaranteed voltage (V)
Indoor unit	208/230 V 1 phase 60 Hz	Min. 187 208 230 Max. 253

(2) OPERATION

Mode	Condition	Intake air temperature (°F)			
		Indoor		Outdoor	
		DB	WB	DB	WB
Cooling	Standard temperature	80	67	95	—
	Maximum temperature	90	73	115	—
	Minimum temperature	67	57	14	—
	Maximum humidity	78%		—	
Heating	Standard temperature	70	60	47	43
	Maximum temperature	80	67	75	65
	Minimum temperature	70	60	-13	-14

OUTLET AIR SPEED AND COVERAGE

Model	Mode	Function	Airflow (CFM)	Air speed (ft./s)	Coverage (ft.)
MSZ-FS06NA	HEAT	Dry	437	19.5	29.8
	COOL	Dry	381	17.0	26.1
		Wet	328	14.6	22.5
MSZ-FS09NA	HEAT	Dry	437	19.5	29.8
	COOL	Dry	381	17.0	26.1
		Wet	328	14.6	22.5
MSZ-FS12NA	HEAT	Dry	454	20.3	31.0
	COOL	Dry	424	19.0	29.0
		Wet	364	16.2	24.8
MSZ-FS15NA	HEAT	Dry	514	23.0	34.9
	COOL	Dry	437	19.5	29.8
		Wet	376	16.7	25.6
MSZ-FS18NA	HEAT	Dry	514	23.0	34.9
	COOL	Dry	437	19.5	29.8
		Wet	376	16.7	25.6

- The air coverage is the figure up to the position where the air speed is 1 ft./s, when air is blown out horizontally from the unit properly at the High speed position.
  The coverage should be used only as a general guideline since it varies according to the size of the room and furniture arranged inside the room.

Outdoor unit model			MUZ-FS06NA MUZ-FS06NAH	MUZ-FS09NA MUZ-FS09NAH	MUZ-FS12NA MUZ-FS12NAH	MUZ-FS15NA MUZ-FS15NAH	MUZ-FS18NA MUZ-FS18NAH
Capacity Rated (Minimum~Maximum)	Cooling *1	Btu/h	6,000 (1,700 ~ 9,000)	9,000 (1,700 ~ 12,000)	12,000 (2,500 ~ 13,600)	14,000 (6,450 ~ 19,000)	17,200 (6,450 ~ 21,000)
	Heating 47 *1	Btu/h	8,700 (1,600 ~ 14,000)	9,600 (1,600 ~ 18,000)	12,300 (3,700 ~ 21,000)	16,000 (5,150 ~ 24,000)	19,000 (5,150 ~ 30,000)
Capacity Rated (Maximum)	Heating 17 *2	Btu/h	5,400 (12,700)	5,900 (14,000)	7,600(17,300)	9,800 (22,700)	11,700 (27,000)
Power consumption Rated (Minimum~Maximum)	Cooling *1	W	315 (100 ~ 560)	560 (100 ~ 1,000)	870 (170 ~ 1,150)	1,000 (410 ~ 2,000)	1,375 (410 ~ 2,220)
	Heating 47 *1	W	545 (110 ~ 1,270)	620 (110 ~ 1,740)	850 (280 ~ 1,980)	1,155 (430 ~ 3,190)	1,610 (430 ~ 3,990)
Power consumption Rated (Maximum)	Heating 17 *2	W	390 (1,000)	450 (1,710)	610 (1,980)	830 (2,480)	1,160 (3,820)
EER *1 [SEER] *3	Cooling		19.1 [33.1]	16.1 [30.5]	13.8 [26.1]	14.0 [22.2]	12.0 [21.0]
HSPF IV *4	Heating		**NA:** 13.5	**NA:** 13.5	**NA:** 12.5	**NA:** 12.5	**NA:** 12.5
			NAH: 12.5	**NAH:** 12.5	**NAH:** 12.0	**NAH:** 12.0	**NAH:** 12.0
COP	Heating *1		4.68	4.54	4.24	4.06	3.46
Power supply	V , phase , Hz		208/230, 1 , 60				
Max. fuse size (time delay)		A	15			20	
Min. circuit ampacity		A	10			18	
Fan motor	F.L.A	A	0.50			0.93	
Compressor	Model		SNB092FQAMT		SNB140FQUMT	SNB172FQKMT	
	R.L.A	A	7.4			13.6	
	L.R.A	A	9.2			17.0	
	Refrigeration oil	fl oz. (Model)	0.35 (FV50S)		0.35 (FV50S)	0.40 (FV50S)	
Refrigerant control			Linear expansion valve				
Sound level *1	Cooling	dB(A)	47	48	49	51	52
	Heating	dB(A)	49	49	51	55	55
Defrost method			Reverse cycle				
Dimensions	W	in.	31-1/2			33-1/16	
	D	in.	11-1/4			13	
	H	in.	21-5/8			34-5/8	
Weight		lb.	**NA:** 82		**NA:** 83	**NA:** 117	
			NAH: 83		**NAH:** 84	**NAH:** 118	
External finish			Munsell 3Y 7.8/1.1				
Remote controller			Wireless type				
Control voltage (by built-in transformer)		VDC	12 - 24				
Refrigerant piping			Not supplied				
Refrigerant pipe size (Min. wall thickness)	Liquid	in.	1/4 (0.0315)				
	Gas	in.	3/8 (0.0315)			1/2 (0.0315)	
Connection method	Indoor		Flared				
	Outdoor		Flared				
Between the indoor & outdoor units	Height difference	ft.	40			50	
	Piping length	ft.	65			100	
Refrigerant charge (R410A)			2 lb. 9 oz.			3 lb. 7 oz.	

NOTE: Test conditions are based on AHRI 210/240.

*1: Rating conditions (Cooling) — Indoor: 80˚FDB, 67˚FWB, Outdoor: 95˚FDB, (75˚FWB)
(Heating) — Indoor: 70˚FDB, 60˚FWB, Outdoor: 47˚FDB, 43˚FWB

*2: (Heating) — Indoor: 70˚FDB, 60˚FWB, Outdoor: 17˚FDB, 15˚FWB

Test condition

*3, *4

AHRI 210/240	Mode	Test	Indoor air condition (°F)		Outdoor air condition (°F)	
			Dry bulb	Wet bulb	Dry bulb	Wet bulb
	SEER (Cooling)	"A-Full" Cooling Steady State at rated compressor speed	80	67	95	(75)
		"B-Full" Cooling Steady State at rated compressor speed	80	67	82	(65)
		"B-Full" Cooling Steady State at rated compressor speed	80	67	82	(65)
		"F-Low" Cooling Steady State at minimum compressor speed	80	67	67	(53.5)
		"E-Int" Cooling Steady State at intermediate compressor speed *5	80	67	87	(69)
	HSPF (Heating)	"H1-Nom" Heating Steady State at rated compressor speed	70	60	47	43
		"H3-Full" Heating at rated compressor speed	70	60	17	15
		"H0-Low" Heating Steady State at minimum compressor speed	70	60	62	56.5
		"H1-Low" Heating Steady State at minimum compressor speed	70	60	47	43
		"H2-Int" Heating at intermediate compressor speed *5	70	60	35	33

*5: At intermediate compressor speed
= ("Rated compressor speed" - "minimum compressor speed") / 3 + "minimum compressor speed".

OPERATING RANGE

(1) POWER SUPPLY

	Rated voltage	Guaranteed voltage (V)
Outdoor unit	208/230 V 1 phase 60 Hz	Min. 187 — 208 — 230 — Max. 253

(2) OPERATION

Mode	Condition	Intake air temperature (°F)			
		Indoor		Outdoor	
		DB	WB	DB	WB
Cooling	Standard temperature	80	67	95	—
	Maximum temperature	90	73	115	—
	Minimum temperature	67	57	14	—
	Maximum humidity	78 %		—	
Heating	Standard temperature	70	60	47	43
	Maximum temperature	80	67	75	65
	Minimum temperature	70	60	-13	-14

Indoor model			MSZ-GL06NA	MSZ-GL09NA MSY-GL09NA	MSZ-GL12NA MSY-GL12NA
Power supply	V, phase, Hz		208/230, 1, 60		
Max. fuse size (time delay)/ Disconnect switch		A	15		
Min. circuit ampacity		A	1.0		
Fan motor		F.L.A	0.76		
Airflow Super High - High - Med. - Low - Quiet	COOL Dry (Wet)	CFM	399 - 321 - 237 - 170 - 145 (364 - 286 - 201 - 134 - 109)		
	HEAT Dry	CFM	406 - 321 - 237 - 170 - 145		
Moisture removal		pt./h	–	1.5	2.5
Sound level Super High - High - Med. - Low - Quiet	Cooling	dB(A)	43 - 37 - 30 - 22 - 19		45 - 37 - 30 - 22 - 19
	Heating (**MSZ**)	dB(A)			43 - 37 - 30 - 22 - 19
Fan speed Super High - High - Med. - Low - Quiet	Cooling	rpm	1,020 - 860 - 670 - 530 - 470		
	Heating (**MSZ**)	rpm	1,040 - 860 - 670 - 530 - 470		
Cond. drain connection O.D.		in.	5/8		
Dimensions	W	in.	31-7/16		
	D		9-1/8		
	H		11-5/8		
Weight		lb.	22		
External finish			Munsell 1.0Y 9.2/0.2		
Control voltage (by built-in transformer)			12 - 24 VDC		

Indoor model			MSZ-GL15NA MSY-GL15NA	MSZ-GL18NA MSY-GL18NA	MSZ-GL24NA MSY-GL24NA
Power supply	V, phase, Hz		208/230, 1, 60		
Max. fuse size (time delay)/ Disconnect switch		A	15		20/15
Min. circuit ampacity		A	1.0		
Fan motor		F.L.A	0.76	0.67	0.76
Airflow Super High - High - Med. - Low - Quiet (**GL15/18**) Powerful - Super High - High - Med. - Low (**GL24**)	COOL Dry (Wet)	CFM	533 - 420 - 335 - 272 - 205 (498 - 385 - 300 - 237 - 170)	646 - 522 - 417 - 332 - 258 (581 - 470 - 375 - 299 - 232)	738 - 628 - 544 - 469 - 388 (661 - 562 - 487 - 420 - 347)
	HEAT Dry (**MSZ**)	CFM	463 - 367 - 304 - 247 - 205	646 - 565 - 469 - 385 - 297	738 - 628 - 544 - 469 - 388
Moisture removal		pt./h	2.7	2.1	5.1
Sound level Super High - High - Med. - Low - Quiet (**GL15/18**) Powerful - Super High - High - Med. - Low (**GL24**)	Cooling	dB(A)	49 - 44 - 38 - 32 - 26	49 - 44 - 38 - 33 - 28	53 - 49 - 45 - 41 - 34
	Heating (**MSZ**)	dB(A)	46 - 40 - 35 - 30 - 26	48 - 43 - 38 - 33 - 28	52 - 49 - 45 - 41 - 32
Fan speed Super High - High - Med. - Low - Quiet (**GL15/18**) Powerful - Super High - High - Med. - Low (**GL24**)	Cooling	rpm	1,280 - 1,060 - 880 - 740 - 600	1,170 - 990 - 830 - 700 - 580	1,300 - 1,140 - 1,010 - 900 - 770
	Heating (**MSZ**)	rpm	1,140 - 950 - 810 - 690 - 600	1,170 - 1,050 - 910 - 780 - 640	1,300 - 1,140 - 1,010 - 900 - 730
Cond. drain connection O.D.		in.	5/8		
Dimensions	W	in.	31-7/16	36-5/16	43-5/16
	D		9-1/8	9-13/16	9-3/8
	H		11-5/8	12	12-13/16
Weight		lb.	22	28	37
External finish			Munsell 1.0Y 9.2/0.2		
Control voltage (by built-in transformer)			12 - 24 VDC		

NOTE: Test conditions are based on AHRI 210/240.

OPERATING RANGE

(1) POWER SUPPLY

	Rated voltage	Guaranteed voltage (V)
Indoor unit	208/230 V 1 phase 60 Hz	Min. 187 208 230 Max. 253

(2) OPERATION

Mode	Condition	Intake air temperature (°F)			
		Indoor		Outdoor	
		DB	WB	DB	WB
Cooling	Standard temperature	80	67	95	—
	Maximum temperature	90	73	115	—
	Minimum temperature	67	57	14	—
	Maximum humidity	78%		—	
Heating	Standard temperature	70	60	47	43
	Maximum temperature	80	67	75	65
	Minimum temperature	70	60	-4	-5

OUTLET AIR SPEED AND COVERAGE

Model	Mode	Function	Airflow (CFM)	Air speed (ft./s.)	Coverage (ft.)
MSZ-GL06NA	HEAT	Dry	406	20.6	29.5
	COOL	Dry	321	16.3	23.5
		Wet	286	14.5	21.0
MSZ-GL09NA **MSY-GL09NA**	HEAT	Dry	406	20.6	29.5
	COOL	Dry	321	16.3	23.5
		Wet	286	14.5	21.0
MSZ-GL12NA **MSY-GL12NA**	HEAT	Dry	406	20.6	29.5
	COOL	Dry	321	16.3	23.5
		Wet	286	14.5	21.0
MSZ-GL15NA **MSY-GL15NA**	HEAT	Dry	463	23.4	33.5
	COOL	Dry	420	21.3	30.5
		Wet	385	19.5	28.0
MSZ-GL18NA **MSY-GL18NA**	HEAT	Dry	646	29.5	44.0
	COOL	Dry	646	29.5	44.0
		Wet	581	26.5	39.7
MSZ-GL24NA **MSY-GL24NA**	HEAT	Dry	738	18.0	36.9
	COOL	Dry	738	18.0	36.9
		Wet	661	16.1	33.2

- The air coverage is the figure up to the position where the air speed is 1 ft./s., when air is blown out horizontally from the unit properly at the High speed position.
  The coverage should be used only as a general guideline since it varies according to the size of the room and furniture arranged inside the room.

Outdoor unit model			MUZ-			MUY-		MUZ-	MUY-
			GL09NA- U1 / GL09NAH- U1	GL09NA- U2 / GL09NAH- U2	GL09NA- U8 / GL09NAH- U8	GL09NA- U1	GL09NA- U2	GL12NA GL12NAH	GL12NA
Capacity Rated (Minimum~Maximum)	Cooling *1	Btu/h	9,000 (3,600 - 12,200)					12,000 (1,500 - 13,600)	
	Heating 47 *1 (**MUZ**)	Btu/h	10,900 (4,500 - 15,900)		10,900 (4,500 - 14,100)	–		14,400 (2,000 - 18,100)	–
Capacity Rated (Maximum)	Heating 17 *2 (**MUZ**)	Btu/h	6,700 (10,200)		7,000 (9,400)	–		9,200 (12,000)	–
Power consumption Rated (Minimum~Maximum)	Cooling *1	W	585 (240 - 1,050)					920 (100 - 1,300)	
	Heating 47 *1 (**MUZ**)	W	720 (230 - 1,250)		720 (230 - 1,070)	–		1,100 (110 - 1,620)	–
Power consumption Rated (Maximum)	Heating 17 *2 (**MUZ**)	W	630 (1,060)		620 (790)	–		870 (1,240)	–
EER *1 [SEER] *3	Cooling		15.4 [24.6]					13.0 [23.1]	
HSPF IV *4	Heating (**MUZ**)		**NA:** 12.8			–		**NA:** 12.5	–
			NAH: 11.8			–		**NAH:** 11.5	–
COP	Heating *1 (**MUZ**)		4.44			–		3.84	–
Power factor	Cooling (208/230)	%	86/86		92/92	87/87	86/86	95/95	
	Heating (**MUZ**) (208/230)	%	90/90		95/95	–		96/96	
Power supply	V , phase , Hz		208/230, 1 , 60						
Max. fuse size (time delay)		A	15						
Min. circuit ampacity		A	9			7		9	7
Fan motor	F.L.A	A	0.50						
Compressor	Model		KNB073FRVMC	KNB073FRXMC	SNB092FQAMT	KNB073FRVMC	KNB073FRXMC	SNB092FQAMT	
	R.L.A	A	6.2			4.9		6.6	4.9
	L.R.A	A	7.7			6.1		8.2	6.1
	Refrigeration oil	fl oz. (L) (Model)	9.1 (0.27)/(FV50S)		11.8 (0.35)/(FV50S)	9.1 (0.27)/(FV50S)		11.8 (0.35)/(FV50S)	
Refrigerant control			Linear expansion valve						
Sound level *1	Cooling	dB(A)	48					49	49
	Heating (**MUZ**)	dB(A)	50			–		51	–
Airflow High - Med. - Low	Cooling	CFM	1,102 - 639						
	Heating (**MUZ**)	CFM	1,186 - 1,116 - 1,045			–		1,186 - 1,116 - 1,045	–
Fan speed High - Med. - Low	Cooling	rpm	810 - 490						
	Heating (**MUZ**)	rpm	870 - 820 - 770			–		870 - 820 - 770	–
Defrost method			Reverse cycle			–		Reverse cycle	–
Dimensions	W	in.	31-1/2						
	D	in.	11-1/4						
	H	in.	21-5/8						
Weight		lb.	81						
External finish			Munsell 3Y 7.8/1.1						
Remote controller			Wireless type						
Control voltage (by built-in transformer)		V DC	12 - 24						
Refrigerant piping			Not supplied						
Refrigerant pipe size (Min. wall thickness)	Liquid	in.	1/4 (0.0315)						
	Gas	in.	3/8 (0.0315)						
Connection method	Indoor		Flared						
	Outdoor		Flared						
Between the indoor & outdoor units	Height difference	ft.	40						
	Piping length	ft.	65						
Refrigerant charge (R410A)			2 lb. 5 oz.		2 lb. 9 oz.	2 lb. 9 oz.	2 lb. 5 oz.	2 lb. 9 oz.	

NOTE: Test conditions are based on AHRI 210/240.
*1: Rating conditions (Cooling) — Indoor: 80˚FDB, 67˚FWB, Outdoor: 95˚FDB, (75˚FWB)
(Heating) — Indoor: 70˚FDB, 60˚FWB, Outdoor: 47˚FDB, 43˚FWB
*2: (Heating) — Indoor: 70˚FDB, 60˚FWB, Outdoor: 17˚FDB, 15˚FWB
*3: Test condition
*4: Test condition

Outdoor unit model			MUZ-GL15NA GL15NAH	MUY-GL15NA	MUZ-GL18NA GL18NAH	MUY-GL18NA	MUZ-GL24NA GL24NAH	MUY-GL24NA
Capacity Rated (Minimum~Maximum)	Cooling *1	Btu/h	14,000 (3,100 - 18,200)		18,000 (5,800 ~ 22,000)		22,500 (8,200 ~ 31,400)	
	Heating 47 *1 (**MUZ**)	Btu/h	18,000 (4,800 - 20,900)	-	21,600 (5,400 ~ 25,000)	-	27,600 (7,500 ~ 36,900)	–
Capacity Rated (Maximum)	Heating 17 *2 (**MUZ**)	Btu/h	12,200 (16,400)	-	13,800 (18,200)	-	16,000 (24,600)	–
Power consumption Rated (Minimum~Maximum)	Cooling *1	W	1,080 (210 - 2,000)		1,340 (330 ~ 2,150)		1,800 (570 ~ 3,580)	
	Heating 47 *1 (**MUZ**)	W	1,600 (200 ~ 2,010)	–	1,680 (320 ~ 2,500)		2,340 (520 ~ 3,650)	
Power consumption Rated (Maximum)	Heating 17 *2 (**MUZ**)	W	1,190 (1,850)	–	1,480 (2,150)	–	1,770 (3,290)	–
EER *1 [SEER] *3	Cooling		13.0 [21.6]		13.4 [20.5]		12.5 [20.5]	
HSPF IV *4	Heating (**MUZ**)		**NA:** 11.7	–	**NA:** 11.2	–	**NA:** 10.0	–
			NAH: 10.8	–	**NAH:** 10.2	–	**NAH:** 10.0	–
COP	Heating *1 (**MUZ**)		3.30	–	3.77	–	3.46	–
Power factor	Cooling (208/230)	%	97/97		99/99		99/99	
	Heating (**MUZ**) (208/230)	%	98/98		99/99	–	99/99	–
Power supply	V , phase , Hz		208/230, 1 , 60					
Max. fuse size (time delay)		A	15				20	
Min. circuit ampacity		A	10	9	14		17.1	
Fan motor		F.L.A	0.50		0.93		0.93	
Compressor	Model		SNB130FQBMT		SNB130FQBMT		SNB172FQKMT	
	R.L.A	A	7.4	6.8	10		12.9	
	L.R.A	A	9.3	8.5	12.5		16.1	
	Refrigeration oil	fl oz. (L) (Model)	11.8 (0.35)/(FV50S)		11.8 (0.35)/(FV50S)	11.8 (0.35)/(FV50S)	13.5 (0.40)/(FV50S)	
Refrigerant control			Linear expansion valve					
Sound level *1	Cooling	dB(A)	49	49	54		55	
	Heating (**MUZ**)	dB(A)	51	–	55	–	55	–
Airflow	COOL	CFM	1,102-639		1,742 - 922		2,016 - 1,769 - 890	
High - Med. - Low	HEAT	CFM	1,186 - 1,045 - 1,045	–	1,691 - 1,691 - 1,372	–	1,701 - 1,701 - 1,341	–
Fan speed	Cooling	rpm	810 - 490		840 - 450		950 - 840 - 450	
High - Med. - Low	Heating (**MUZ**)	rpm	870 - 770 - 770	–	810 - 810 - 650	–	810 - 810 - 650	–
Defrost method			Reverse cycle	–	Reverse cycle	–	Reverse cycle	–
Dimensions	W	in.	31-1/2		33-1/16			
	D	in.	11-1/4		13			
	H	in.	21-5/8		34-5/8			
Weight		lb.	81		121		119	
External finish			Munsell 3Y 7.8/1.1					
Remote controller			Wireless type					
Control voltage (by built-in transformer)		V DC	12 - 24					
Refrigerant piping			Not supplied					
Refrigerant pipe size (Min. wall thickness)	Liquid	in.	1/4 (0.0315)				3/8 (0.0315)	
	Gas	in.	1/2 (0.0315)				5/8 (0.0315)	
Connection method	Indoor		Flared					
	Outdoor		Flared					
Between the indoor & outdoor units	Height difference	ft.	40		50			
	Piping length	ft.	65		100			
Refrigerant charge (R410A)			2 lb. 9 oz.		3 lb. 9 oz.		4 lb. 3 oz.	

NOTE: Test conditions are based on AHRI 210/240.

*1: Rating conditions (Cooling) — Indoor: 80˚FDB, 67˚FWB, Outdoor: 95˚FDB, (75˚FWB)
(Heating) — Indoor: 70˚FDB, 60˚FWB, Outdoor: 47˚FDB, 43˚FWB

*2: (Heating) — Indoor: 70˚FDB, 60˚FWB, Outdoor: 17˚FDB, 15˚FWB

*3: Test condition

*4: Test condition

Test condition

*3, *4

ARI	Mode	Test	Indoor air condition (°F)		Outdoor air condition (°F)	
			Dry bulb	Wet bulb	Dry bulb	Wet bulb
	SEER (Cooling)	"A-2" Cooling Steady State at rated compressor Speed	80	67	95	(75)
		"B-2" Cooling Steady State at rated compressor Speed	80	67	82	(65)
		"B-1" Cooling Steady State at minimum compressor Speed	80	67	82	(65)
		"F-1" Cooling Steady State at minimum compressor Speed	80	67	67	(53.5)
		"E-V" Cooling Steady State at intermediate compressor Speed *5	80	67	87	(69)
	HSPF (Heating)	"H1-2" Heating Steady State at rated compressor Speed	70	60	47	43
		"H3-2" Heating at rated compressor Speed	70	60	17	15
		"H0-1" Heating Steady State at minimum compressor Speed	70	60	62	56.5
		"H1-1" Heating Steady State at minimum compressor Speed	70	60	47	43
		"H2-V" Heating at intermediate compressor Speed *5	70	60	35	33

NOTE:
*5: At intermediate compressor Speed
= ("Rated compressor speed" - "minimum compressor speed") / 3 + "minimum compressor speed".

OPERATING RANGE

(1) POWER SUPPLY

	Rated voltage	Guaranteed voltage (V)
Outdoor unit	208/230 V 1 phase 60 Hz	Min. 187 208 230 Max. 253

(2) OPERATION

Mode	Condition	Intake air temperature (°F)			
		Indoor		Outdoor	
		DB	WB	DB	WB
Cooling	Standard temperature	80	67	95	—
	Maximum temperature	90	73	115	—
	Minimum temperature	67	57	14	—
	Maximum humidity	78 %		—	
Heating	Standard temperature	70	60	47	43
	Maximum temperature	80	67	75	65
	Minimum temperature	70	60	-4	-5

Indoor unit model			MSZ-EF09NAW MSZ-EF09NAB MSZ-EF09NAS	MSZ-EF12NAW MSZ-EF12NAB MSZ-EF12NAS	MSZ-EF15NAW MSZ-EF15NAB MSZ-EF15NAS	MSZ-EF18NAW MSZ-EF18NAB MSZ-EF18NAS
Power supply	V, phase, Hz		208/230 , 1 , 60			
Disconnect switch		A	15			
Min. circuit ampacity		A	1.0			
Fan motor		F.L.A	0.67			
Airflow Super high - High - Med. - Low - Quiet	COOL Dry (Wet)	CFM	371 - 293 - 222 - 162 - 141 (319 - 252 - 191 - 140 - 121)	371 - 293 - 222 - 162 - 141 (319 - 252 - 191 - 140 - 121)	364 - 314 - 272 - 233 - 205 (313 - 270 - 234 - 200 - 176)	388 - 328 - 279 - 240 - 205 (334 - 282 - 240 - 206 - 176)
	HEAT Dry	CFM	420 - 314 - 219 - 162 - 141	448 - 314 - 219 - 162 - 141	448 - 350 - 275 - 222 - 194	466 - 392 - 318 - 258 - 226
Moisture removal		pt./h	0.6	2.1	3.6	4.4
Sound level Super high - High - Med. - Low - Quiet	Cooling	dB(A)	42 - 36 - 29 - 23 - 21	42 - 36 - 29 - 24 - 21	42 - 39 - 35 - 31 - 28	43 - 40 - 36 - 33 - 30
	Heating	dB(A)	45 - 37 - 29 - 24 - 21	46 - 38 - 30 - 24 - 21	48 - 41 - 35 - 30 - 28	49 - 43 - 37 - 33 - 30
Cond. drain connection O.D.		in.	5/8			
Dimensions	W	in.	34-13/16			
	D		7-11/16			
	H		11-3/4			
Weight		lb.	26			
External finish			W: Munsell 1.0Y 9.2/0.2 B: Munsell 3.7PB 2.0/0.1 S: Munsell 3.1PB 8.2/0.2			
Remote controller			Wireless type			
Control voltage (by built-in transformer)			12 - 24 V DC			

NOTE: Test conditions are based on AHRI 210/240.

OPERATING RANGE

(1) POWER SUPPLY

	Rated voltage	Guaranteed voltage (V)
Indoor unit	208/230 V 1 phase 60 Hz	Min. 187 — 208 — 230 — Max. 253

(2) OPERATION

Mode	Condition	Intake air temperature (°F)			
		Indoor		Outdoor	
		DB	WB	DB	WB
Cooling	Standard temperature	80	67	95	—
	Maximum temperature	90	73	115	—
	Minimum temperature	67	57	14	—
	Maximum humidity	78%		—	
Heating	Standard temperature	70	60	47	43
	Maximum temperature	80	67	75	65
	Minimum temperature	70	60	-13	-14

OUTLET AIR SPEED AND COVERAGE

Model	Mode	Function	Airflow (CFM)	Air speed (ft./s)	Coverage (ft.)
MSZ-EF09NAW MSZ-EF09NAB MSZ-EF09NAS	HEAT	Dry	420	19.5	29.2
	COOL	Dry	371	17.2	25.8
		Wet	319	15.5	23.3
MSZ-EF12NAW MSZ-EF12NAB MSZ-EF12NAS	HEAT	Dry	448	20.8	31.1
	COOL	Dry	371	17.2	25.8
		Wet	319	15.5	23.3
MSZ-EF15NAW MSZ-EF15NAB MSZ-EF15NAS	HEAT	Dry	448	20.8	31.1
	COOL	Dry	364	16.8	25.4
		Wet	313	15.2	22.9
MSZ-EF18NAW MSZ-EF18NAB MSZ-EF18NAS	HEAT	Dry	466	21.6	32.3
	COOL	Dry	388	20.3	30.4
		Wet	336	18.3	27.4

- The air coverage is the figure up to the position where the air speed is 1 ft./s, when air is blown out horizontally from the unit properly at the High speed position.
  The coverage should be used only as a general guideline since it varies according to the size of the room and furniture arranged inside the room.

Indoor model			MSZ-HM09NA	MSZ-HM12NA	MSZ-HM15NA
Power supply	V, phase, Hz		208/230, 1, 60		
Max. fuse size (time delay)/ Disconnect switch		A	15		
Min. circuit ampacity		A	1.0		
Fan motor		F.L.A	0.76		
Airflow Super High - High - Med. - Low	COOL Dry (Wet)	CFM	399 - 321 - 237 - 170 (364 - 286 - 201 - 134)		533 - 420 - 335 - 272 (498 - 385 - 300 - 237)
	HEAT Dry	CFM	406 - 321 - 237 - 170		463 - 367 - 304 - 247
Moisture removal		pt./h	1.5	2.5	2.7
Sound level Super High - High - Med. - Low	Cooling	dB(A)	43 - 37 - 30 - 22	45 - 37 - 30 - 22	49 - 44 - 38 - 32
	Heating	dB(A)	43 - 37 - 30 - 22		46 - 40 - 35 - 30
Fan speed Super High - High - Med. - Low	Cooling	rpm	1,020 - 860 - 670 - 530		1,280 - 1,060 - 880 - 740
	Heating	rpm	1,040 - 860 - 670 - 530		1,140 - 950 - 810 - 690
Cond. drain connection O.D.		in.	5/8		
Dimensions	W	in.	31-7/16		
	D		9-1/8		
	H		11-5/8		
Weight		lb.	22		
External finish			Munsell 1.0Y 9.2/0.2		
Control voltage (by built-in transformer)			12 - 24 VDC		

NOTE: Test conditions are based on AHRI 210/240.

Indoor model			MSZ-HM18NA	MSZ-HM24NA
Power supply	V, phase, Hz		208/230, 1, 60	
Max. fuse size (time delay)/ Disconnect switch		A	15	
Min. circuit ampacity		A	1.0	
Fan motor		F.L.A	0.67	
Airflow Super High - High - Med. - Low	COOL Dry (Wet)	CFM	625 - 530 - 431 - 328 (562 - 477 - 388 - 295)	702 - 530 - 431 - 353 (632 - 477 - 388 - 318)
	HEAT Dry	CFM	625 - 530 - 431 - 307	702 - 579 - 448 - 346
Moisture removal		pt./h	2.1	2.3
Sound level Super High - High - Med. - Low	Cooling	dB(A)	47 - 42 - 37 - 30	50 - 44 - 38 - 33
	Heating	dB(A)	47 - 42 - 37 - 30	50 - 44 - 38 - 32
Fan speed Super High - High - Med. - Low	Cooling	rpm	1,140 - 1,000 - 850 - 690	1,250 - 1,000 - 850 - 730
	Heating	rpm	1,140 - 1,000 - 850 - 660	1,250 - 1,070 - 880 - 720
Cond. drain connection O.D.		in.	5/8	
Dimensions	W	in.	36-5/16	
	D		9-13/16	
	H		12	
Weight		lb.	28	
External finish			Munsell 1.0Y 9.2/0.2	
Control voltage (by built-in transformer)			12 - 24 VDC	

NOTE: Test conditions are based on AHRI 210/240.

OPERATING RANGE

(1) POWER SUPPLY

	Rated voltage	Guaranteed voltage (V)
Indoor unit	208/230 V 1 phase 60 Hz	Min. 187 208 230 Max. 253

(2) OPERATION

Mode	Condition	Intake air temperature (°F)			
		Indoor		Outdoor	
		DB	WB	DB	WB
Cooling	Standard temperature	80	67	95	—
	Maximum temperature	90	73	115	—
	Minimum temperature	67	57	14	—
	Maximum humidity	78%		—	
Heating	Standard temperature	70	60	47	43
	Maximum temperature	80	67	75	65
	Minimum temperature	70	60	-4	-5

OUTLET AIR SPEED AND COVERAGE

Model	Mode	Function	Airflow (CFM)	Air speed (ft./s.)	Coverage (ft.)
MSZ-HM09NA	HEAT	Dry	406	20.6	29.5
	COOL	Dry	321	16.3	23.5
		Wet	286	14.5	21.0
MSZ-HM12NA	HEAT	Dry	406	20.6	29.5
	COOL	Dry	321	16.3	23.5
		Wet	286	14.5	21.0
MSZ-HM15NA	HEAT	Dry	463	23.4	33.5
	COOL	Dry	420	21.3	30.5
		Wet	385	19.5	28.0
MSZ-HM18NA	HEAT	Dry	625	28.5	42.6
	COOL	Dry	625	28.5	42.6
		Wet	562	25.6	38.4
MSZ-HM24NA	HEAT	Dry	702	32.0	47.7
	COOL	Dry	702	32.0	47.7
		Wet	632	28.8	43.1

- The air coverage is the figure up to the position where the air speed is 1 ft./s., when air is blown out horizontally from the unit properly at the High speed position.
  The coverage should be used only as a general guideline since it varies according to the size of the room and furniture arranged inside the room.

Outdoor unit model			**MUZ-HM09NA** - U1	**MUZ-HM09NA** - U2 **MUZ-HM09NAH** - U1	**MUZ-HM09NA** - U8
Capacity Rated (Minimum~Maximum)	Cooling *1	Btu/h	9,000 (3,800 ~ 10,000)		
	Heating 47 *1	Btu/h	10,900 (4,500 ~ 11,800)		
Capacity Rated (Maximum)	Heating 17 *2	Btu/h	6,700 (7,200)		
Power consumption Rated (Minimum~Maximum)	Cooling *1	W	750 (240 - 850)		750 (205 - 850)
	Heating 47 *1	W	900 (240 - 1,000)		900 (255 - 1,000)
Power consumption Rated (Maximum)	Heating 17 *2	W	700 (780)		
EER *1 [SEER] *3	Cooling		12.0 [18.0]		
HSPF IV *4	Heating		10.0 **(NA)** / 9.0 **(NAH)**		
COP	Heating *1		3.55		
Power factor	Cooling (208/230)	%	87/87		84/84
	Heating (208/230)	%	90/90		90/89
Power supply	V , phase , Hz		208/230 , 1 , 60		
Max. fuse size (time delay)		A	15		
Min. circuit ampacity		A	9		12
Fan motor	F.L.A	A	0.50		
Compressor	Model		KNB073FRVMC	KNB073FRXMC	KNB073FQDHC
	R.L.A	A	6.2		6.6
	L.R.A	A	7.7		8.2
	Refrigeration oil	fl oz. (L) (Model)	9.1 (0.27) (FV50S)		10.8 (0.32) (NEO22)
Refrigerant control			Linear expansion valve		
Sound level *1	Cooling	dB(A)	46		
	Heating	dB(A)	50		
Airflow High - Med. - Low	Cooling	CFM	1,063 - 1,063 - 1,063		
	Heating	CFM	1,282 - 1,105 - 1,105		1,240 - 1,105 - 1,105
Fan speed High - Med. - Low	Cooling	rpm	740 -740 -740		
	Heating	rpm	890 - 770- 770		860 - 770 - 770
Defrost method			Reverse cycle		
Dimensions	W	in.	31-1/2		
	D	in.	11-1/4		
	H	in.	21-5/8		
Weight		lb.	73		
External finish			Munsell 3Y 7.8/1.1		
Refrigerant piping			Not supplied		
Refrigerant pipe size (Min. wall thickness)	Liquid	in.	1/4 (0.0315)		
	Gas	in.	3/8 (0.0315)		
Connection method	Indoor		Flared		
	Outdoor		Flared		
Between the indoor & outdoor units	Height difference	ft.	40		
	Piping length	ft.	65		
Refrigerant charge (R410A)			1 lb. 12 oz.		

NOTE: Test conditions are based on AHRI 210/240.

*1: Rating conditions (Cooling) — Indoor: 80˚FDB, 67˚FWB, Outdoor: 95˚FDB, (75˚FWB)
(Heating) — Indoor: 70˚FDB, 60˚FWB, Outdoor: 47˚FDB, 43˚FWB

*2: (Heating) — Indoor: 70˚FDB, 60˚FWB, Outdoor: 17˚FDB, 15˚FWB

*3: Test condition

*4: Test condition

Outdoor unit model			**MUZ-HM12NA** - U1	**MUZ-HM12NA** - U2 **MUZ-HM12NAH** - U1	**MUZ-HM12NA** - U8
Capacity Rated (Minimum~Maximum)	Cooling *1	Btu/h	12,000 (3,800 ~ 12,200)		
	Heating 47 *1	Btu/h	12,200 (4,500 ~ 14,500)		12,200 (5,500 ~ 14,500)
Capacity Rated (Maximum)	Heating 17 *2	Btu/h	7,600 (9,000)		
Power consumption Rated (Minimum~Maximum)	Cooling *1	W	1,210 (240 - 1,300)		1,210 (205 - 1,300)
	Heating 47 *1	W	990 (240 - 1,220)		990 (340 - 1,660)
Power consumption Rated (Maximum)	Heating 17 *2	W	800 (990)		
EER *1 [SEER] *3	Cooling		9.9 [18.0]		
HSPF IV *4	Heating		10.0 **(NA)** / 9.0 **(NAH)**		
COP	Heating *1		3.61		
Power factor	Cooling (208/230)	%	95/95		94/94
	Heating (208/230)	%	93/93		95/96
Power supply	V , phase , Hz		208/230 , 1 , 60		
Max. fuse size (time delay)		A	15		
Min. circuit ampacity		A	9		12
Fan motor	F.L.A	A	0.50		
Compressor	Model		KNB073FRVMC	KNB073FRXMC	KNB092FQAHC
	R.L.A	A	6.2		6.6
	L.R.A	A	7.7		8.2
	Refrigeration oil	fl oz. (L) (Model)	9.1 (0.27) (FV50S)		10.8 (0.32) (NEO22)
Refrigerant control			Linear expansion valve		
Sound level *1	Cooling	dB(A)	49		
	Heating	dB(A)	51		
Airflow High - Med. - Low	Cooling	CFM	1,063 - 1,063 - 1,063		1,102 - 1,102 - 639
	Heating	CFM	1,282 - 1,105 - 1,105		1,186 - 1,116 - 1,045
Fan speed High - Med. - Low	Cooling	rpm	740- 740 -740		810 - 810 - 490
	Heating	rpm	890 - 770 - 770		870 - 820 - 770
Defrost method			Reverse cycle		
Dimensions	W	in.	31-1/2		
	D	in.	11-1/4		
	H	in.	21-5/8		
Weight		lb.	73		
External finish			Munsell 3Y 7.8/1.1		
Refrigerant piping			Not supplied		
Refrigerant pipe size (Min. wall thickness)	Liquid	in.	1/4 (0.0315)		
	Gas	in.	3/8 (0.0315)		
Connection method	Indoor		Flared		
	Outdoor		Flared		
Between the indoor & outdoor units	Height difference	ft.	40		
	Piping length	ft.	65		
Refrigerant charge (R410A)			1 lb. 12 oz.		2 lb. 9 oz.

NOTE: Test conditions are based on AHRI 210/240.

*1: Rating conditions (Cooling) — Indoor: 80˚FDB, 67˚FWB, Outdoor: 95˚FDB, (75˚FWB)
(Heating) — Indoor: 70˚FDB, 60˚FWB, Outdoor: 47˚FDB, 43˚FWB

*2: (Heating) — Indoor: 70˚FDB, 60˚FWB, Outdoor: 17˚FDB, 15˚FWB

*3: Test condition

*4: Test condition

Outdoor unit model			MUZ-HM15NA MUZ-HM15NAH	MUZ-HM18NA MUZ-HM18NAH
Capacity Rated (Minimum~Maximum)	Cooling *1	Btu/h	14,000 (3,100 - 16,000)	17,200 (5,800 - 18,000)
	Heating 47 *1	Btu/h	18,000 (4,800 - 18,500)	18,000 (5,400 - 20,900)
Capacity Rated (Maximum)	Heating 17 *2	Btu/h	11,500 (14,000)	11,500 (15,000)
Power consumption Rated (Minimum~Maximum)	Cooling *1	W	1,170 (230 - 2,000)	1,640 (350 - 2,070)
	Heating 47 *1	W	1,600 (220 - 2,010)	1,590 (330 - 2,250)
Power consumption Rated (Maximum)	Heating 17 *2	W	1,300 (1,850)	1,300 (1,950)
EER *1 [SEER] *3	Cooling		12.0 [18.0]	10.5 [18.0]
HSPF IV *4	Heating		10.0 **[NA]** / 9.0 **[NAH]**	
COP	Heating *1		3.30	3.32
Power factor	Cooling (208/230)	%	98/98	98/98
	Heating (208/230)	%	98/98	97/97
Power supply	V , phase , Hz		208/230, 1 , 60	208/230, 1 , 60
Max. fuse size (time delay)		A	15	15
Min. circuit ampacity		A	10	10
Fan motor	F.L.A	A	0.50	0.50
Compressor	Model		SNB130FQBMT	SNB130FQBMT
	R.L.A	A	7.4	7.4
	L.R.A	A	9.3	9.3
	Refrigeration oil	fl oz. (L) (Model)	11.8 (0.35) (FV50S)	11.8 (0.35) (FV50S)
Refrigerant control			Linear expansion valve	
Sound level *1	Cooling	dB(A)	49	49
	Heating	dB(A)	51	51
Airflow High - Med. - Low	Cooling	CFM	1,102 - 1,102 - 639	1,102 - 1,102 - 639
	Heating	CFM	1,186 - 1,045 - 1,045	1,186 - 1,045 - 1,045
Fan speed High - Med. - Low	Cooling	rpm	810 - 810 - 490	810 - 810 - 490
	Heating	rpm	870 - 770 - 770	870 - 770 - 770
Defrost method			Reverse cycle	
Dimensions	W	in.	31-1/2	31-1/2
	D	in.	11-1/4	11-1/4
	H	in.	21-5/8	21-5/8
Weight		lb.	81	81
External finish			Munsell 3Y 7.8/1.1	
Refrigerant piping			Not supplied	
Refrigerant pipe size (Min. wall thickness)	Liquid	in.	1/4 (0.0315)	1/4 (0.0315)
	Gas	in.	1/2 (0.0315)	1/2 (0.0315)
Connection method	Indoor		Flared	Flared
	Outdoor		Flared	Flared
Between the indoor & outdoor units	Height difference	ft.	40	40
	Piping length	ft.	65	65
Refrigerant charge (R410A)			2 lb. 9 oz.	2 lb. 10 oz.

NOTE: Test conditions are based on AHRI 210/240.

*1: Rating conditions (Cooling) — Indoor: 80˚FDB, 67˚FWB, Outdoor: 95˚FDB, (75˚FWB)
(Heating) — Indoor: 70˚FDB, 60˚FWB, Outdoor: 47˚FDB, 43˚FWB

*2: (Heating) — Indoor: 70˚FDB, 60˚FWB, Outdoor: 17˚FDB, 15˚FWB

*3: Test condition

*4: Test condition

Outdoor unit model			**MUZ-HM24NA MUZ-HM24NAH**
Capacity Rated (Minimum~Maximum)	Cooling *1	Btu/h	22,500 (5,800 ~ 22,500)
	Heating 47 *1	Btu/h	26,000 (5,400 ~ 26,000)
Capacity Rated (Maximum)	Heating 17 *2	Btu/h	18,500 (18,500)
Power consumption Rated (Minimum~Maximum)	Cooling *1	W	2,630 (330 - 2,630)
	Heating 47 *1	W	2,500 (320 - 2,500)
Power consumption Rated (Maximum)	Heating 17 *2	W	2,300 (2,300)
EER *1 [SEER] *3	Cooling		8.6 [18.0]
HSPF IV *4	Heating		9.5 [**NA**] / 9.0 [**NAH**]
COP	Heating *1		3.05
Power factor	Cooling (208/230)	%	99/99
	Heating (208/230)	%	99/99
Power supply	V , phase , Hz		208/230, 1 , 60
Max. fuse size (time delay)		A	15
Min. circuit ampacity		A	14
Fan motor		F.L.A	0.93
Compressor	Model		SNB130FQBMT
		R.L.A	10
		L.R.A	12.5
	Refrigeration oil	fl oz. (L) (Model)	11.8 (0.35) (FV50S)
Refrigerant control			Linear expansion valve
Sound level *1	Cooling	dB(A)	54
	Heating	dB(A)	55
Airflow High - Med. - Low	COOL	CFM	1,742 - 1,742 - 922
	HEAT	CFM	1,691 - 1,691 - 1,372
Fan speed High - Med. - Low	Cooling	rpm	840 - 840 - 450
	Heating	rpm	810 - 810 - 650
Defrost method			Reverse cycle
Dimensions	W	in.	33-1/16
	D	in.	13
	H	in.	34-5/8
Weight		lb.	121
External finish			Munsell 3Y 7.8/1.1
Refrigerant piping			Not supplied
Refrigerant pipe size (Min. wall thickness)	Liquid	in.	3/8 (0.0315)
	Gas	in.	5/8 (0.0315)
Connection method	Indoor		Flared
	Outdoor		Flared
Between the indoor & outdoor units	Height difference	ft.	50
	Piping length	ft.	100
Refrigerant charge (R410A)			3 lb. 9 oz.

NOTE: Test conditions are based on AHRI 210/240.

*1: Rating conditions (Cooling) — Indoor: 80˚FDB, 67˚FWB, Outdoor: 95˚FDB, (75˚FWB)
(Heating) — Indoor: 70˚FDB, 60˚FWB, Outdoor: 47˚FDB, 43˚FWB

*2: (Heating) — Indoor: 70˚FDB, 60˚FWB, Outdoor: 17˚FDB, 15˚FWB

TEST CONDITION

*3, *4

ARI	Mode	Test	Indoor air condition (°F)		Outdoor air condition (°F)	
			Dry bulb	Wet bulb	Dry bulb	Wet bulb
	SEER (Cooling)	"A-2" Cooling steady state at rated compressor speed	80	67	95	(75)
		"B-2" Cooling steady state at rated compressor speed	80	67	82	(65)
		"B-1" Cooling steady state at minimum compressor speed	80	67	82	(65)
		"F-1" Cooling steady state at minimum compressor speed	80	67	67	(53.5)
		"E-V" Cooling steady state at intermediate compressor speed *5	80	67	87	(69)
	HSPF (Heating)	"H1-2" Heating steady state at rated compressor speed	70	60	47	43
		"H3-2" Heating at rated compressor speed	70	60	17	15
		"H0-1" Heating steady state at minimum compressor speed	70	60	62	56.5
		"H1-1" Heating steady state at minimum compressor speed	70	60	47	43
		"H2-V" Heating at intermediate compressor speed *5	70	60	35	33

*5: at intermediate compressor speed
= ("Rated compressor speed" - "minimum compressor speed") / 3 + "minimum compressor speed".

OPERATING RANGE

(1) POWER SUPPLY

	Rated voltage	Guaranteed voltage (V)
Outdoor unit	208/230 V 1 phase 60 Hz	Min. 187 — 208 — 230 — Max. 253

(2) OPERATION

Mode	Condition	Intake air temperature (°F)			
		Indoor		Outdoor	
		DB	WB	DB	WB
Cooling	Standard temperature	80	67	95	—
	Maximum temperature	90	73	115	—
	Minimum temperature	67	57	14	—
	Maximum humidity	78 %		—	
Heating	Standard temperature	70	60	47	43
	Maximum temperature	80	67	75	65
	Minimum temperature	70	60	-4	-5

Indoor model			MSZ-WR09NA	MSZ-WR12NA
Power supply	V, phase, Hz		208/230, 1, 60	
Max. fuse size (time delay)/ Disconnect switch		A	15	
Min. circuit ampacity		A	1.0	
Fan motor		F.L.A	0.76	
Airflow Super High - High - Med. - Low	COOL Dry (Wet)	CFM	399 - 321 - 237 - 170 (364 - 286 - 201 - 134)	
	HEAT Dry	CFM	406 - 321 - 237 - 170	
Moisture removal		pt./h	1.5	2.5
Sound level Super High - High - Med. - Low	Cooling	dB(A)	43 - 37 - 30 - 22	45 - 37 - 30 - 22
	Heating	dB(A)	43 - 37 - 30 - 22	
Fan speed Super High - High - Med. - Low	Cooling	rpm	1,020 - 860 - 670 - 530	
	Heating	rpm	1,040 - 860 - 670 - 530	
Cond. drain connection O.D.		in.	5/8	
Dimensions	W	in.	31-7/16	
	D		9-1/8	
	H		11-5/8	
Weight		lb.	22	
External finish			Munsell 1.0Y 9.2/0.2	
Control voltage (by built-in transformer)			12 - 24 V DC	

NOTE: Test conditions are based on AHRI 210/240.

Indoor model			MSZ-WR18NA	MSZ-WR24NA
Power supply	V, phase, Hz		208/230, 1, 60	
Max. fuse size (time delay)/ Disconnect switch		A	15	
Min. circuit ampacity		A	1.0	
Fan motor		F.L.A	0.67	
Airflow Super High - High - Med. - Low	COOL Dry (Wet)	CFM	625 - 530 - 431 - 328 (562 - 477 - 388 - 295)	702 - 530 - 431 - 353 (632 - 477 - 388 - 318)
	HEAT Dry	CFM	625 - 530 - 431 - 307	702 - 579 - 448 - 346
Moisture removal		pt./h	2.1	2.3
Sound level Super High - High - Med. - Low	Cooling	dB(A)	47 - 42 - 37 - 30	50 - 44 - 38 - 33
	Heating	dB(A)	47 - 42 - 37 - 30	50 - 44 - 38 - 32
Fan speed Super High - High - Med. - Low	Cooling	rpm	1,140 - 1,000 - 850 - 690	1,250 - 1,000 - 850 - 730
	Heating	rpm	1,140 - 1,000 - 850 - 660	1,250 - 1,070 - 880 - 720
Cond. drain connection O.D.		in.	5/8	
Dimensions	W	in.	36-5/16	
	D		9-13/16	
	H		12	
Weight		lb.	28	
External finish			Munsell 1.0Y 9.2/0.2	
Control voltage (by built-in transformer)			12 - 24 V DC	

NOTE: Test conditions are based on AHRI 210/240.

OPERATING RANGE

(1) POWER SUPPLY

	Rated voltage	Guaranteed voltage (V)
Indoor unit	208/230 V 1 phase 60 Hz	Min. 187 208 230 Max. 253

(2) OPERATION

Mode	Condition	Intake air temperature (°F)			
		Indoor		Outdoor	
		DB	WB	DB	WB
Cooling	Standard temperature	80	67	95	—
	Maximum temperature	90	73	115	—
	Minimum temperature	67	57	32	—
	Maximum humidity	78%		—	
Heating	Standard temperature	70	60	47	43
	Maximum temperature	80	67	75	65
	Minimum temperature	70	60	5	4

OUTLET AIR SPEED AND COVERAGE

Model	Mode	Function	Airflow (CFM)	Air speed (ft./s.)	Coverage (ft.)
MSZ-WR09NA	HEAT	Dry	406	20.6	29.5
	COOL	Dry	321	16.3	23.5
		Wet	286	14.5	21.0
MSZ-WR12NA	HEAT	Dry	406	20.6	29.5
	COOL	Dry	321	16.3	23.5
		Wet	286	14.5	21.0
MSZ-WR18NA	HEAT	Dry	625	28.5	42.6
	COOL	Dry	625	28.5	42.6
		Wet	562	25.6	38.4
MSZ-WR24NA	HEAT	Dry	702	32.0	47.7
	COOL	Dry	702	32.0	47.7
		Wet	632	28.8	43.1

- The air coverage is the figure up to the position where the air speed is 1 ft./s., when air is blown out horizontally from the unit properly at the High speed position.
  The coverage should be used only as a general guideline since it varies according to the size of the room and furniture arranged inside the room.

Outdoor unit model			MUZ-WR09NA - U1	MUZ-WR09NA - U2	MUZ-WR12NA - U1	MUZ-WR12NA - U2
Capacity Rated (Minimum~Maximum)	Cooling *1	Btu/h	9,000 (3,800 - 10,000)		12,000 (3,800 - 12,200)	
	Heating 47 *1	Btu/h	10,900 (4,500 - 11,800)		12,200 (4,500 - 14,500)	
Capacity Rated (Maximum)	Heating 17 *2	Btu/h	6,700 (7,200)		7,600 (9,000)	
Power consumption Rated (Minimum~Maximum)	Cooling *1	W	820 (240 - 930)		1,330 (240 - 1,400)	
	Heating 47 *1	W	980 (240 - 1,090)		1,090 (240 - 1,340)	
Power consumption Rated (Maximum)	Heating 17 *2	W	760 (850)		880 (1,090)	
EER *1 [SEER] *3	Cooling		11.0 [16.0]		9.0 [16.0]	
HSPF IV *4	Heating		8.5			
COP	Heating *1		3.25		3.28	
Power factor	Cooling (208/230)	%	87/87		95/95	
	Heating (208/230)	%	90/90		93/93	
Power supply	V , phase , Hz		208/230 , 1 , 60			
Max. fuse size (time delay)		A	15			
Min. circuit ampacity		A	9			
Fan motor	F.L.A	A	0.50			
Compressor	Model		KNB073FRVMC	KNB073FRXMC	KNB073FRVMC	KNB073FRXMC
	R.L.A	A	6.2			
	L.R.A	A	7.7			
	Refrigeration oil	fl oz. (L) (Model)	9.1 (0.27) (FV50S)			
Refrigerant control			Linear expansion valve			
Sound level *1	Cooling	dB(A)	48		51	
	Heating	dB(A)	50		51	
Airflow High - Med. - Low	Cooling	CFM	1,063 - 1,063 - 1,063			
	Heating	CFM	1,282 - 1,105 - 1,105			
Fan speed High - Med. - Low	Cooling	rpm	740 - 740 - 740			
	Heating	rpm	890 - 770- 770			
Defrost method			Reverse cycle			
Dimensions	W	in.	31-1/2			
	D	in.	11-1/4			
	H	in.	21-5/8			
Weight		lb.	73			
External finish			Munsell 3Y 7.8/1.1			
Refrigerant piping			Not supplied			
Refrigerant pipe size (Min. wall thickness)	Liquid	in.	1/4 (0.0315)			
	Gas	in.	3/8 (0.0315)			
Connection method	Indoor		Flared			
	Outdoor		Flared			
Between the indoor & outdoor units	Height difference	ft.	40			
	Piping length	ft.	65			
Refrigerant charge (R410A)			1 lb. 12 oz.			

NOTE: Test conditions are based on AHRI 210/240.

*1: Rating conditions (Cooling) — Indoor: 80˚FDB, 67˚FWB, Outdoor: 95˚FDB, (75˚FWB)
(Heating) — Indoor: 70˚FDB, 60˚FWB, Outdoor: 47˚FDB, 43˚FWB

*2: (Heating) — Indoor: 70˚FDB, 60˚FWB, Outdoor: 17˚FDB, 15˚FWB

*3: Test condition

*4: Test condition

Outdoor unit model			MUZ-WR18NA	MUZ-WR24NA
Capacity Rated (Minimum~Maximum)	Cooling *1	Btu/h	17,200 (5,800 - 18,000)	22,500 (5,800 - 22,500)
	Heating 47 *1	Btu/h	18,000 (5,400 - 20,900)	26,000 (5,400 - 26,000)
Capacity Rated (Maximum)	Heating 17 *2	Btu/h	11,500 (15,000)	18,500 (18,500)
Power consumption Rated (Minimum~Maximum)	Cooling *1	W	1,720 (350 - 2,170)	2,810 (330 - 2,810)
	Heating 47 *1	W	1,670 (330 - 2,360)	2,680 (320 - 2,680)
Power consumption Rated (Maximum)	Heating 17 *2	W	1,360 (2,040)	2,460 (2,460)
EER *1 [SEER] *3	Cooling		10.0 [16.0]	8.0 [16.0]
HSPF IV *4	Heating		8.5	8.5
COP	Heating *1		3.16	2.84
Power factor	Cooling (208/230)	%	98/98	99/99
	Heating (208/230)	%	97/97	99/99
Power supply	V , phase , Hz		208/230, 1, 60	
Max. fuse size (time delay)		A	15	
Min. circuit ampacity		A	10	14
Fan motor	F.L.A	A	0.50	0.93
Compressor	Model		SNB130FQBMT	
	R.L.A	A	7.4	10
	L.R.A	A	9.3	12.5
	Refrigeration oil	fl oz. (L) (Model)	11.8 (0.35) (FV50S)	
Refrigerant control			Linear expansion valve	
Sound level *1	Cooling	dB(A)	53	57
	Heating	dB(A)	51	55
Airflow High - Med. - Low	Cooling	CFM	1,102 - 1,102 - 639	1,742 - 1,742 - 922
	Heating	CFM	1,186 - 1,045 - 1,045	1,691 - 1,691 - 1,372
Fan speed High - Med. - Low	Cooling	rpm	810 - 810 - 490	840 - 840 - 450
	Heating	rpm	870 - 770 - 770	810 - 810 - 650
Defrost method			Reverse cycle	
Dimensions	W	in.	31-1/2	33-1/16
	D	in.	11-1/4	13
	H	in.	21-5/8	34-5/8
Weight		lb.	81	121
External finish			Munsell 3Y 7.8/1.1	Munsell 3Y 7.8/1.1
Refrigerant piping			Not supplied	Not supplied
Refrigerant pipe size (Min. wall thickness)	Liquid	in.	1/4 (0.0315)	3/8 (0.0315)
	Gas	in.	1/2 (0.0315)	5/8 (0.0315)
Connection method	Indoor		Flared	
	Outdoor		Flared	
Between the indoor & outdoor units	Height difference	ft.	40	50
	Piping length	ft.	65	100
Refrigerant charge (R410A)			2 lb. 10 oz.	3 lb. 9 oz.

NOTE: Test conditions are based on AHRI 210/240.

*1: Rating conditions (Cooling) — Indoor: 80˚FDB, 67˚FWB, Outdoor: 95˚FDB, (75˚FWB)
(Heating) — Indoor: 70˚FDB, 60˚FWB, Outdoor: 47˚FDB, 43˚FWB

*2: (Heating) — Indoor: 70˚FDB, 60˚FWB, Outdoor: 17˚FDB, 15˚FWB

*3: Test condition

*4: Test condition

TEST CONDITION

*3, *4

ARI	Mode	Test	Indoor air condition (°F)		Outdoor air condition (°F)	
			Dry bulb	Wet bulb	Dry bulb	Wet bulb
	SEER (Cooling)	"A-2" Cooling steady state at rated compressor speed	80	67	95	(75)
		"B-2" Cooling steady state at rated compressor speed	80	67	82	(65)
		"B-1" Cooling steady state at minimum compressor speed	80	67	82	(65)
		"F-1" Cooling steady state at minimum compressor speed	80	67	67	(53.5)
		"E-V" Cooling steady state at intermediate compressor speed *5	80	67	87	(69)
	HSPF (Heating)	"H1-2" Heating steady state at rated compressor speed	70	60	47	43
		"H3-2" Heating at rated compressor speed	70	60	17	15
		"H0-1" Heating steady state at minimum compressor speed	70	60	62	56.5
		"H1-1" Heating steady state at minimum compressor speed	70	60	47	43
		"H2-V" Heating at intermediate compressor speed *5	70	60	35	33

*5: At intermediate compressor speed
= ("Rated compressor speed" - "minimum compressor speed") / 3 + "minimum compressor speed".

OPERATING RANGE

(1) POWER SUPPLY

	Rated voltage	Guaranteed voltage (V)
Outdoor unit	208/230 V 1 phase 60 Hz	Min. 187 208 230 Max. 253

(2) OPERATION

Mode	Condition	Intake air temperature (°F)			
		Indoor		Outdoor	
		DB	WB	DB	WB
Cooling	Standard temperature	80	67	95	—
	Maximum temperature	90	73	115	—
	Minimum temperature	67	57	32	—
	Maximum humidity	78 %		—	
Heating	Standard temperature	70	60	47	43
	Maximum temperature	80	67	75	65
	Minimum temperature	70	60	5	4

Indoor model			MSZ-JP09WA	MSZ-JP12WA
Power supply	V, phase, Hz		115, 1, 60	
Max. fuse size (time delay)/ Disconnect switch		A	15	20
Min. circuit ampacity		A	1.4	
Fan motor		F.L.A	1.07	
Airflow Super High - High - Med. - Low	COOL Dry (Wet)	CFM	399 - 321 - 237 - 170 (364 - 286 - 201 - 134)	
	HEAT Dry	CFM	406 - 321 - 237 - 170	
Moisture removal		pt./h	1.5	2.5
Sound level Super High - High - Med. - Low	Cooling	dB(A)	43 - 37 - 30 - 22	45 - 37 - 30 - 22
	Heating	dB(A)	43 - 37 - 30 - 22	
Fan speed Super High - High - Med. - Low	Cooling	rpm	1,020 - 860 - 670 - 530	
	Heating	rpm	1,040 - 860 - 670 - 530	
Cond. drain connection O.D.		in.	5/8	
Dimensions	W	in.	31-7/16	
	D		9-1/8	
	H		11-5/8	
Weight		lb.	22	
External finish			Munsell 1.0Y 9.2/0.2	
Control voltage (by built-in transformer)			12 - 24 V DC	

NOTE: Test conditions are based on AHRI 210/240.

OPERATING RANGE

(1) POWER SUPPLY

	Rated voltage	Guaranteed voltage (V)
Indoor unit	115 V 1 phase 60 Hz	Min. 103 115 Max. 127

(2) OPERATION

Mode	Condition	Intake air temperature (°F)			
		Indoor		Outdoor	
		DB	WB	DB	WB
Cooling	Standard temperature	80	67	95	—
	Maximum temperature	90	73	115	—
	Minimum temperature	67	57	14	—
	Maximum humidity	78%		—	
Heating	Standard temperature	70	60	47	43
	Maximum temperature	80	67	75	65
	Minimum temperature	70	60	-4	-5

OUTLET AIR SPEED AND COVERAGE

Model	Mode	Function	Airflow (CFM)	Air speed (ft./s.)	Coverage (ft.)
MSZ-JP09WA	HEAT	Dry	406	20.6	29.5
	COOL	Dry	399	20.2	29.0
		Wet	364	18.4	26.5
MSZ-JP12WA	HEAT	Dry	406	20.6	29.5
	COOL	Dry	399	20.2	29.0
		Wet	364	18.4	26.5

- The air coverage is the figure up to the position where the air speed is 1 ft./s., when air is blown out horizontally from the unit properly at the High speed position.
  The coverage should be used only as a general guideline since it varies according to the size of the room and furniture arranged inside the room.

Outdoor unit model			**MUZ-JP09WA**
Capacity Rated (Minimum~Maximum)	Cooling *1	Btu/h	9,000 (3,800 ~ 10,000)
	Heating 47 *1	Btu/h	10,900 (4,500 ~ 11,800)
Capacity Rated (Maximum)	Heating 17 *2	Btu/h	6,700 (7,200)
Power consumption Rated (Minimum~Maximum)	Cooling *1	W	750 (240 - 850)
	Heating 47 *1	W	900 (240 - 1,000)
Power consumption Rated (Maximum)	Heating 17 *2	W	700 (780)
EER *1 [SEER] *3	Cooling		12.0 [17.0]
HSPF IV *4	Heating		9.0
COP	Heating *1		3.55
Power factor	Cooling	%	93
	Heating	%	94
Power supply	V, phase, Hz		115, 1, 60
Max. fuse size (time delay)		A	15
Min. circuit ampacity		A	12
Fan motor	F.L.A	A	0.70
Compressor	Model		KNB073FRXMC
	R.L.A	A	8.8
	L.R.A	A	11.0
	Refrigeration oil	fl oz. (L) (Model)	9.1 (0.27) (FV50S)
Refrigerant control			Linear expansion valve
Sound level *1	Cooling	dB(A)	46
	Heating	dB(A)	50
Airflow High - Med. - Low	Cooling	CFM	1,105 - 1,105 - 1,063
	Heating	CFM	1,282 - 1,105 - 1,105
Fan speed High - Med. - Low	Cooling	rpm	770 - 770 - 740
	Heating	rpm	890 - 770 - 770
Defrost method			Reverse cycle
Dimensions	W	in.	31-1/2
	D	in.	11-1/4
	H	in.	21-5/8
Weight		lb.	73
External finish			Munsell 3Y 7.8/1.1
Refrigerant piping			Not supplied
Refrigerant pipe size (Min. wall thickness)	Liquid	in.	1/4 (0.0315)
	Gas	in.	3/8 (0.0315)
Connection method	Indoor		Flared
	Outdoor		Flared
Between the indoor & outdoor units	Height difference	ft.	40
	Piping length	ft.	65
Refrigerant charge (R410A)			1 lb. 12 oz.

NOTE: Test conditions are based on AHRI 210/240.

*1: Rating conditions (Cooling) — Indoor: 80˚FDB, 67˚FWB, Outdoor: 95˚FDB, (75˚FWB)
(Heating) — Indoor: 70˚FDB, 60˚FWB, Outdoor: 47˚FDB, 43˚FWB

*2: (Heating) — Indoor: 70˚FDB, 60˚FWB, Outdoor: 17˚FDB, 15˚FWB

*3: Test condition

*4: Test condition

Outdoor unit model			**MUZ-JP12WA**
Capacity Rated (Minimum~Maximum)	Cooling *1	Btu/h	12,000 (3,800 ~ 12,200)
	Heating 47 *1	Btu/h	12,200 (4,500 ~ 14,500)
Capacity Rated (Maximum)	Heating 17 *2	Btu/h	7,600 (9,000)
Power consumption Rated (Minimum~Maximum)	Cooling *1	W	1,210 (240 - 1,300)
	Heating 47 *1	W	990 (240 - 1,220)
Power consumption Rated (Maximum)	Heating 17 *2	W	800 (990)
EER *1 [SEER] *3	Cooling		9.9 [17.0]
HSPF IV *4	Heating		9.0
COP	Heating *1		3.61
Power factor	Cooling	%	93
	Heating	%	94
Power supply	V , phase , Hz		115,1, 60
Max. fuse size (time delay)		A	20
Min. circuit ampacity		A	14
Fan motor	F.L.A	A	0.70
Compressor	Model		KNB073FRXMC
	R.L.A	A	10.4
	L.R.A	A	13.0
	Refrigeration oil	fl oz. (L) (Model)	9.1 (0.27) (FV50S)
Refrigerant control			Linear expansion valve
Sound level *1	Cooling	dB(A)	49
	Heating	dB(A)	51
Airflow High - Med. - Low	Cooling	CFM	1,105 - 1,105 - 1,063
	Heating	CFM	1,282 - 1,105 - 1,105
Fan speed High - Med. - Low	Cooling	rpm	770 - 770 - 740
	Heating	rpm	890 - 770 - 770
Defrost method			Reverse cycle
Dimensions	W	in.	31-1/2
	D	in.	11-1/4
	H	in.	21-5/8
Weight		lb.	73
External finish			Munsell 3Y 7.8/1.1
Refrigerant piping			Not supplied
Refrigerant pipe size (Min. wall thickness)	Liquid	in.	1/4 (0.0315)
	Gas	in.	3/8 (0.0315)
Connection method	Indoor		Flared
	Outdoor		Flared
Between the indoor & outdoor units	Height difference	ft.	40
	Piping length	ft.	65
Refrigerant charge (R410A)			1 lb. 12 oz.

NOTE: Test conditions are based on AHRI 210/240.

*1: Rating conditions (Cooling) — Indoor: 80˚FDB, 67˚FWB, Outdoor: 95˚FDB, (75˚FWB)
(Heating) — Indoor: 70˚FDB, 60˚FWB, Outdoor: 47˚FDB, 43˚FWB
*2: (Heating) — Indoor: 70˚FDB, 60˚FWB, Outdoor: 17˚FDB, 15˚FWB
*3: Test condition
*4: Test condition

Test condition

*3, *4

ARI	Mode	Test	Indoor air condition (°F)		Outdoor air condition (°F)	
			Dry bulb	Wet bulb	Dry bulb	Wet bulb
	SEER (Cooling)	"A-2" Cooling steady state at rated compressor speed	80	67	95	(75)
		"B-2" Cooling steady state at rated compressor speed	80	67	82	(65)
		"B-1" Cooling steady state at minimum compressor speed	80	67	82	(65)
		"F-1" Cooling steady state at minimum compressor speed	80	67	67	(53.5)
		"E-V" Cooling steady state at intermediate compressor speed *5	80	67	87	(69)
	HSPF (Heating)	"H1-2" Heating steady state at rated compressor speed	70	60	47	43
		"H3-2" Heating at rated compressor speed	70	60	17	15
		"H0-1" Heating steady state at minimum compressor speed	70	60	62	56.5
		"H1-1" Heating steady state at minimum compressor speed	70	60	47	43
		"H2-V" Heating at intermediate compressor speed *5	70	60	35	33

*5: at intermediate compressor speed
= ("Rated compressor speed" - "minimum compressor speed") / 3 + "minimum compressor speed".

OPERATING RANGE

(1) POWER SUPPLY

	Rated voltage	Guaranteed voltage (V)
Outdoor unit	115 V 1 phase 60 Hz	Min. 103 — 115 — Max. 127

(2) OPERATION

Mode	Condition	Intake air temperature (°F)			
		Indoor		Outdoor	
		DB	WB	DB	WB
Cooling	Standard temperature	80	67	95	—
	Maximum temperature	90	73	115	—
	Minimum temperature	67	57	14	—
	Maximum humidity	78 %		—	
Heating	Standard temperature	70	60	47	43
	Maximum temperature	80	67	75	65
	Minimum temperature	70	60	-4	-5

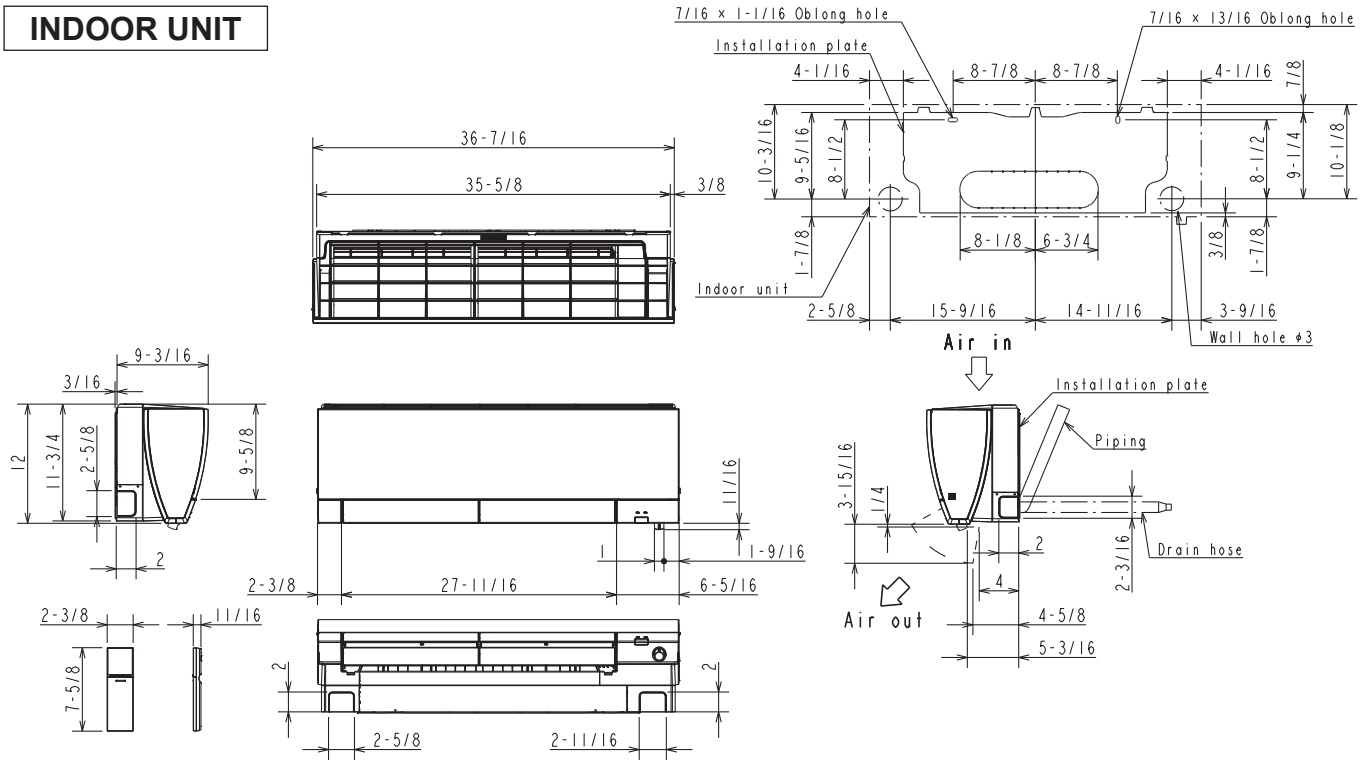
A.1.2 OUTLINES AND DIMENSIONS

A.1.2.1 Indoor Unit

Unit: inch

MSZ-FS06NA MSZ-FS09NA MSZ-FS12NA MSZ-FS15NA MSZ-FS18NA

INDOOR UNIT



(MSZ-FS06/09/12NA)

Piping	Insulation	φ1-7/16 O.D
	Liquid line	φ1/4 19-11/16 (Flared connection φ1/4)
	Gas line	φ3/8 16-15/16 (Flared connection φ3/8)
Drain hose		Insulation φ1-1/8 Connected part φ5/8 O.D

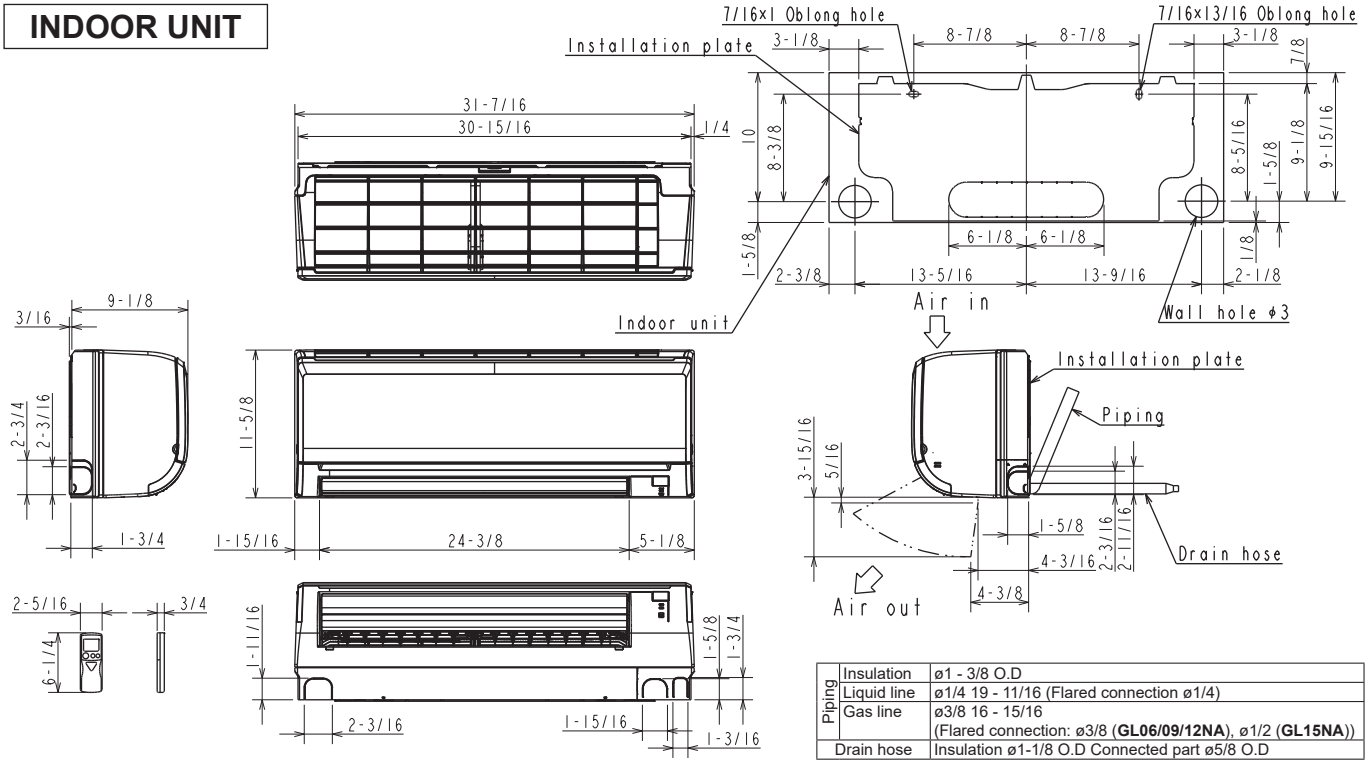
(MSZ-FS15/18NA)

Piping	Insulation	φ1-7/16 O.D
	Liquid line	φ1/4 19-11/16 (Flared connection φ1/4)
	Gas line	φ3/8 16-15/16 (Flared connection φ1/2)
Drain hose		Insulation φ1-1/8 Connected part φ5/8 O.D

Unit: Inch

MSZ-GL06NA MSZ-GL09NA MSZ-GL12NA MSZ-GL15NA
MSY-GL09NA MSY-GL12NA MSY-GL15NA

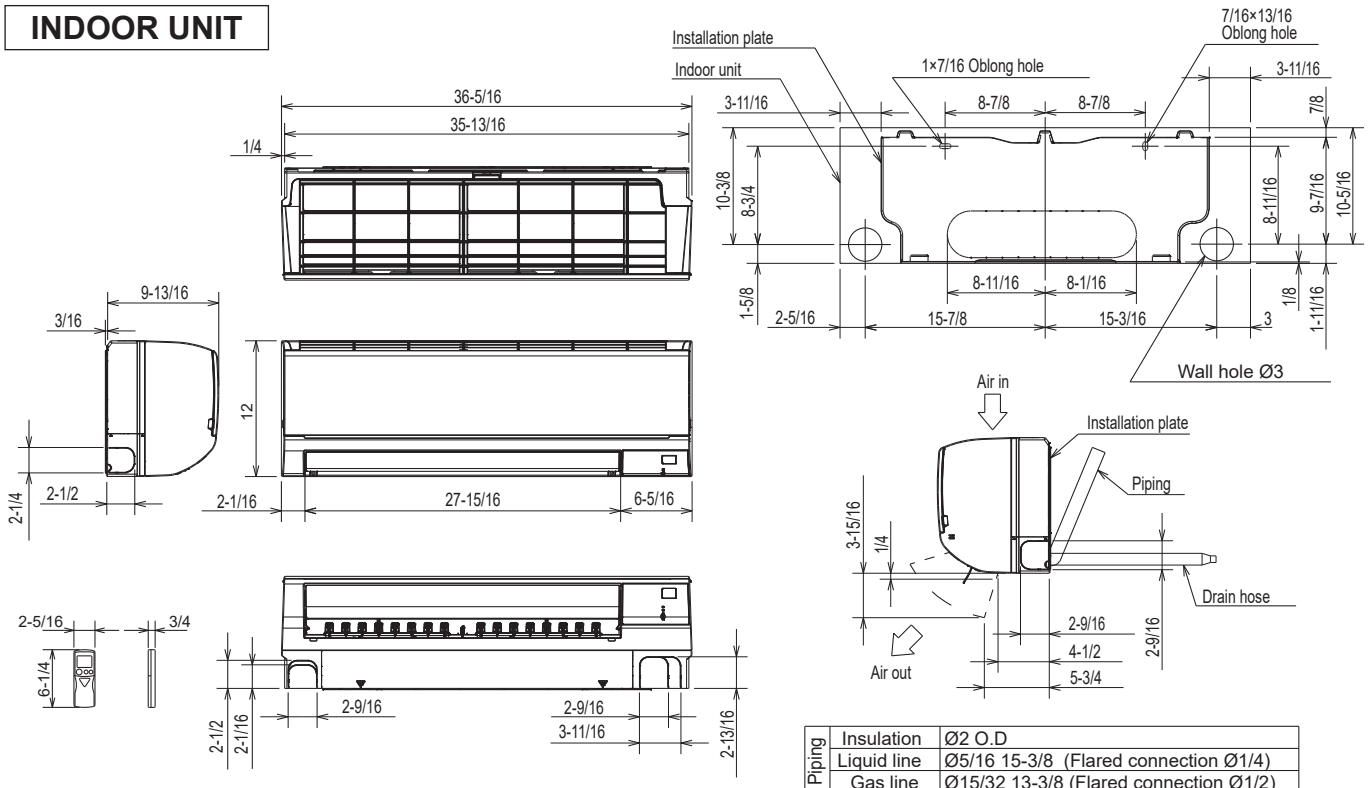
INDOOR UNIT



Piping	Insulation	ø1 - 3/8 O.D
	Liquid line	ø1/4 19 - 11/16 (Flared connection ø1/4)
	Gas line	ø3/8 16 - 15/16 (Flared connection: ø3/8 (**GL06/09/12NA**), ø1/2 (**GL15NA**))
Drain hose		Insulation ø1-1/8 O.D Connected part ø5/8 O.D

MSZ-GL18NA
MSY-GL18NA

INDOOR UNIT

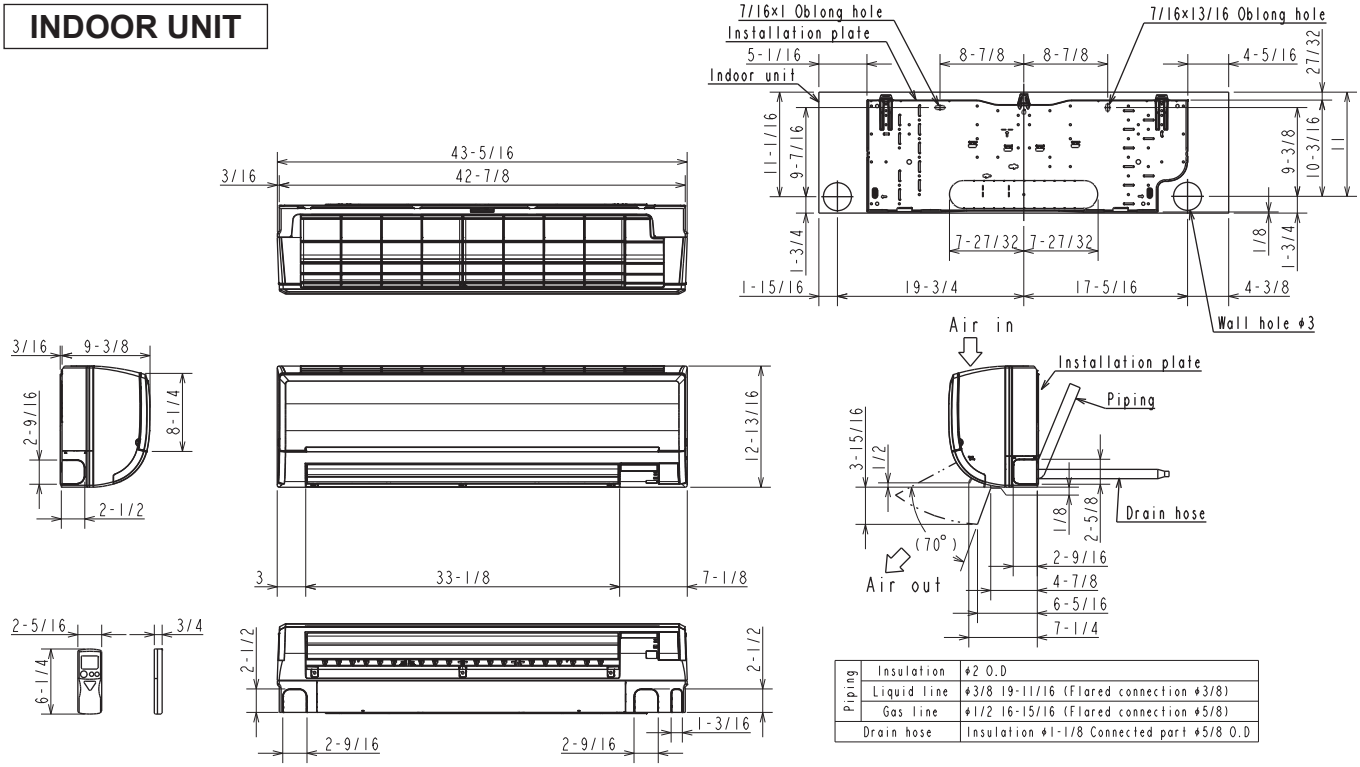


Piping	Insulation	Ø2 O.D
	Liquid line	Ø5/16 15-3/8 (Flared connection Ø1/4)
	Gas line	Ø15/32 13-3/8 (Flared connection Ø1/2)
Drain hose		Insulation Ø1-1/8 Connected part Ø5/8 O.D

Unit: inch

MSZ-GL24NA
MSY-GL24NA

INDOOR UNIT

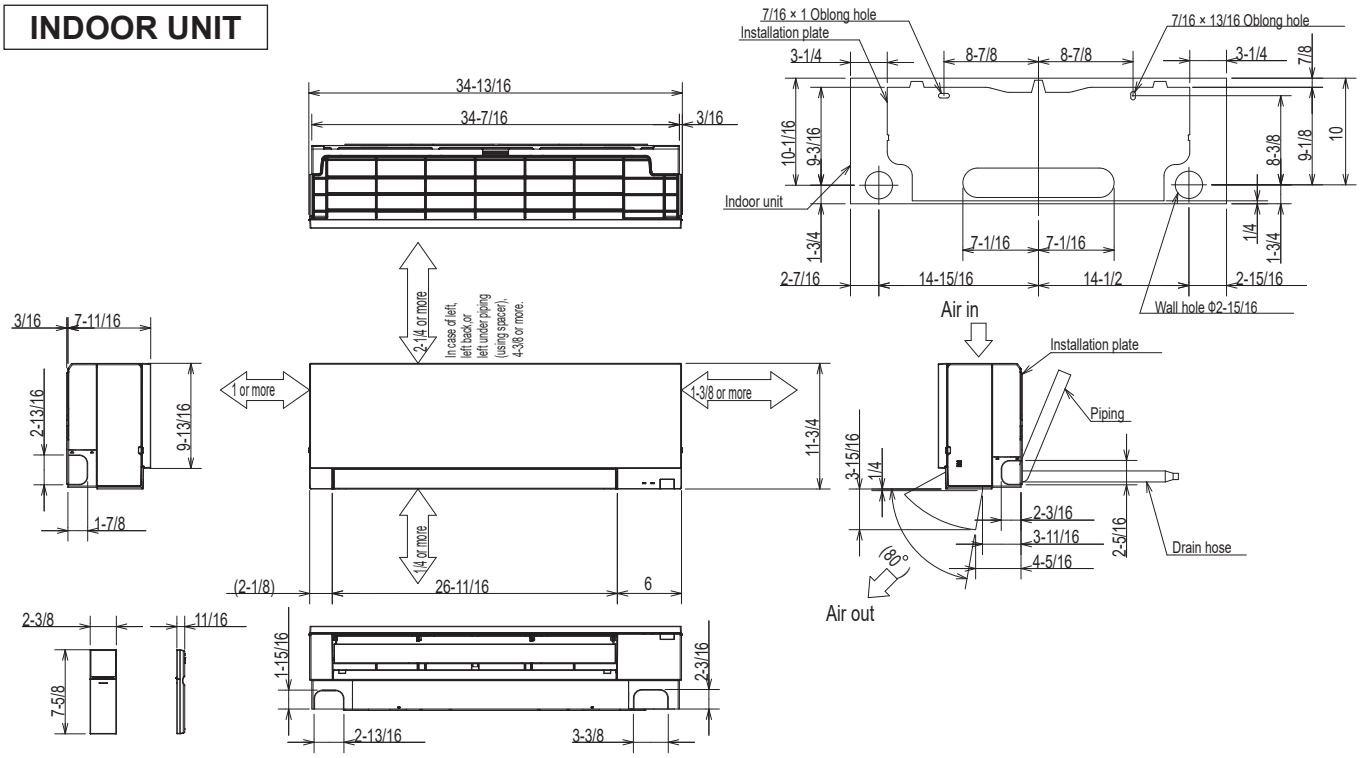


Piping	Insulation	ϕ2 O.D
	Liquid line	ϕ3/8 19-11/16 (Flared connection ϕ3/8)
	Gas line	ϕ1/2 16-15/16 (Flared connection ϕ5/8)
Drain hose		Insulation ϕ1-1/8 Connected part ϕ5/8 O.D

Unit: Inch

MSZ-EF09NAW MSZ-EF12NAW MSZ-EF15NAW MSZ-EF18NAW
MSZ-EF09NAB MSZ-EF12NAB MSZ-EF15NAB MSZ-EF18NAB
MSZ-EF09NAS MSZ-EF12NAS MSZ-EF15NAS MSZ-EF18NAS

INDOOR UNIT



MSZ-EF09/12NA

Piping	Insulation	φ1-7/16 O.D
	Liquid line	φ1/4 - 19-11/16 (Flared connection φ1/4)
	Gas line	φ3/8 - 16-15/16 (Flared connection φ3/8)
Drain hose		Instalation φ1-1/8 Connected part φ5/8 O.D active length 15-3/8

Note: Extension pipe size refer to the specifications table.

MSZ-EF15/18NA

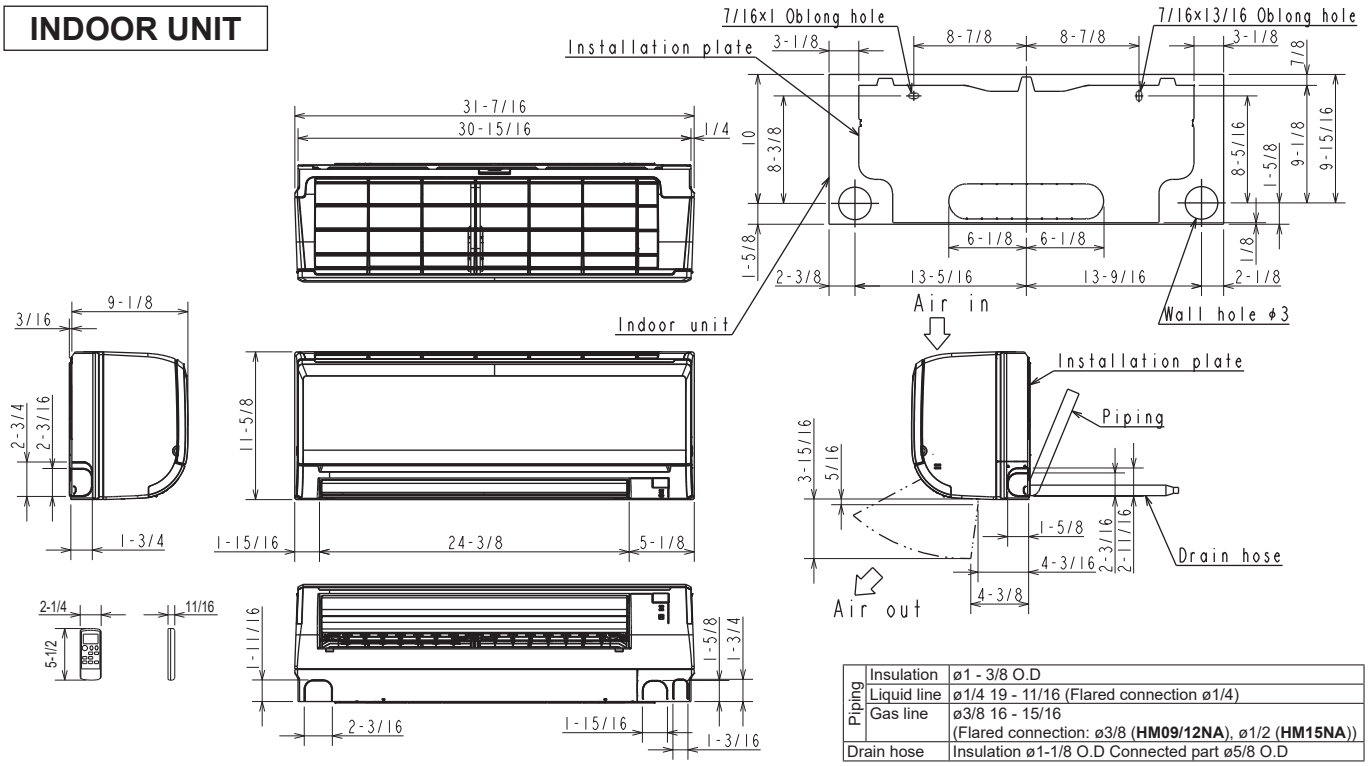
Piping	Insulation	φ1-7/16 O.D
	Liquid line	φ1/4 - 19-11/16 (Flared connection φ1/4)
	Gas line	φ3/8 - 16-15/16 (Flared connection φ1/2)
Drain hose		Instalation φ1-1/8 Connected part φ5/8 O.D active length 15-3/8

Note: Extension pipe size refer to the specifications table.

Unit: inch

MSZ-HM09NA MSZ-HM12NA MSZ-HM15NA

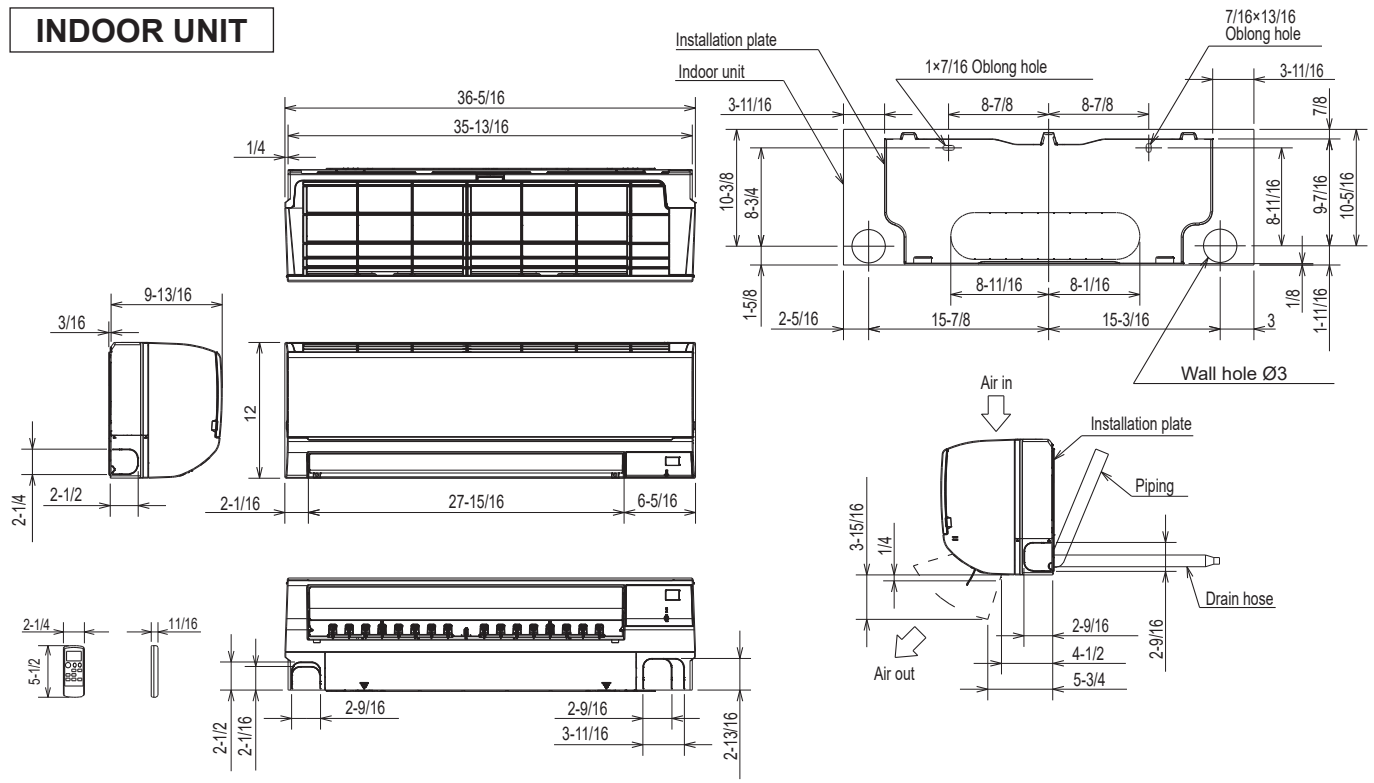
INDOOR UNIT



Piping	Insulation	ø1 - 3/8 O.D
	Liquid line	ø1/4 19 - 11/16 (Flared connection ø1/4)
	Gas line	ø3/8 16 - 15/16 (Flared connection: ø3/8 (**HM09/12NA**), ø1/2 (**HM15NA**))
Drain hose		Insulation ø1-1/8 O.D Connected part ø5/8 O.D

MSZ-HM18NA MSZ-HM24NA

INDOOR UNIT



MSZ-HM18NA

Piping	Insulation	Ø2 O.D
	Liquid line	Ø5/16 15-3/8 (Flared connection Ø1/4)
	Gas line	Ø15/32 13-3/8 (Flared connection Ø1/2)
Drain hose		Insulation Ø1-1/8 Connected part Ø5/8 O.D

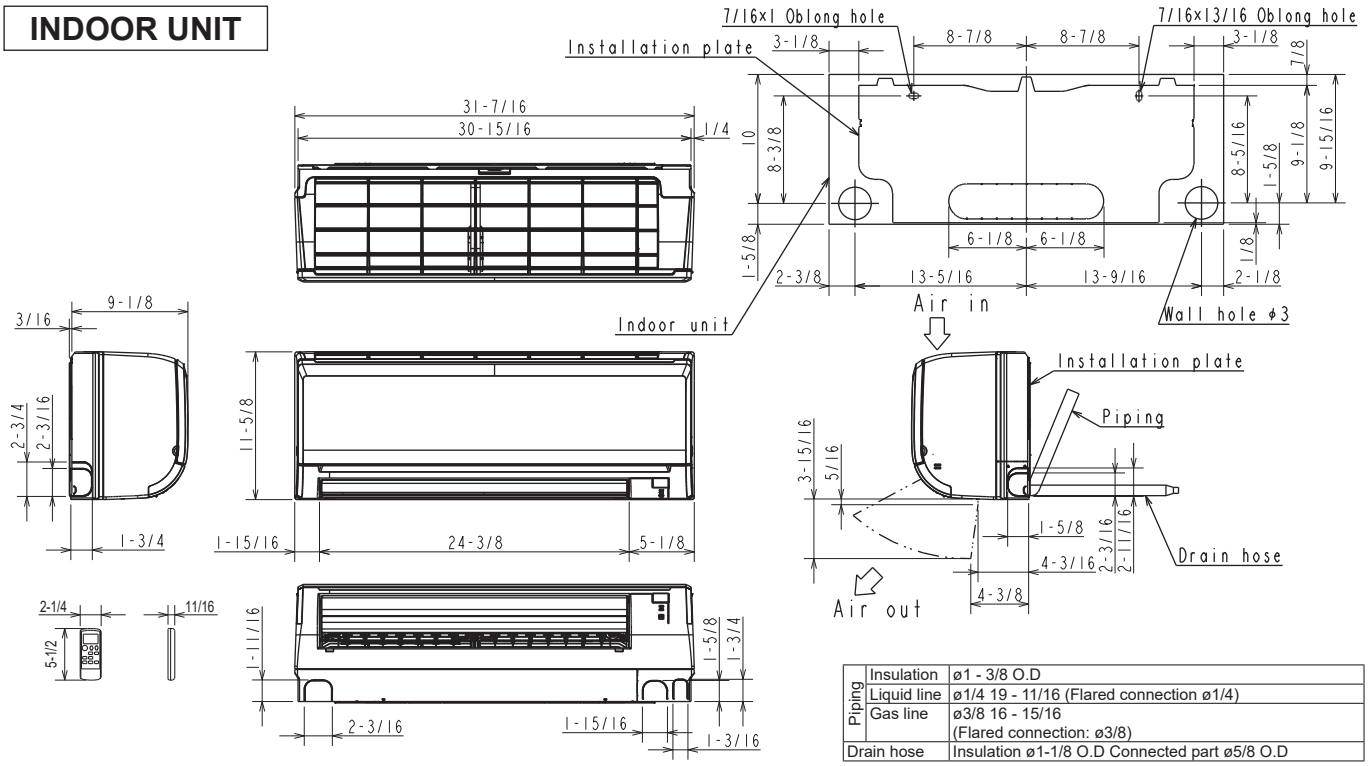
MSZ-HM24NA

Piping	Insulation	Ø2 O.D
	Liquid line	Ø5/16 15-3/8 (Flared connection Ø3/8)
	Gas line	Ø15/32 13-3/8 (Flared connection Ø5/8)
Drain hose		Insulation Ø1-1/8 Connected part Ø5/8 O.D

Unit: Inch

MSZ-WR09NA MSZ-WR12NA

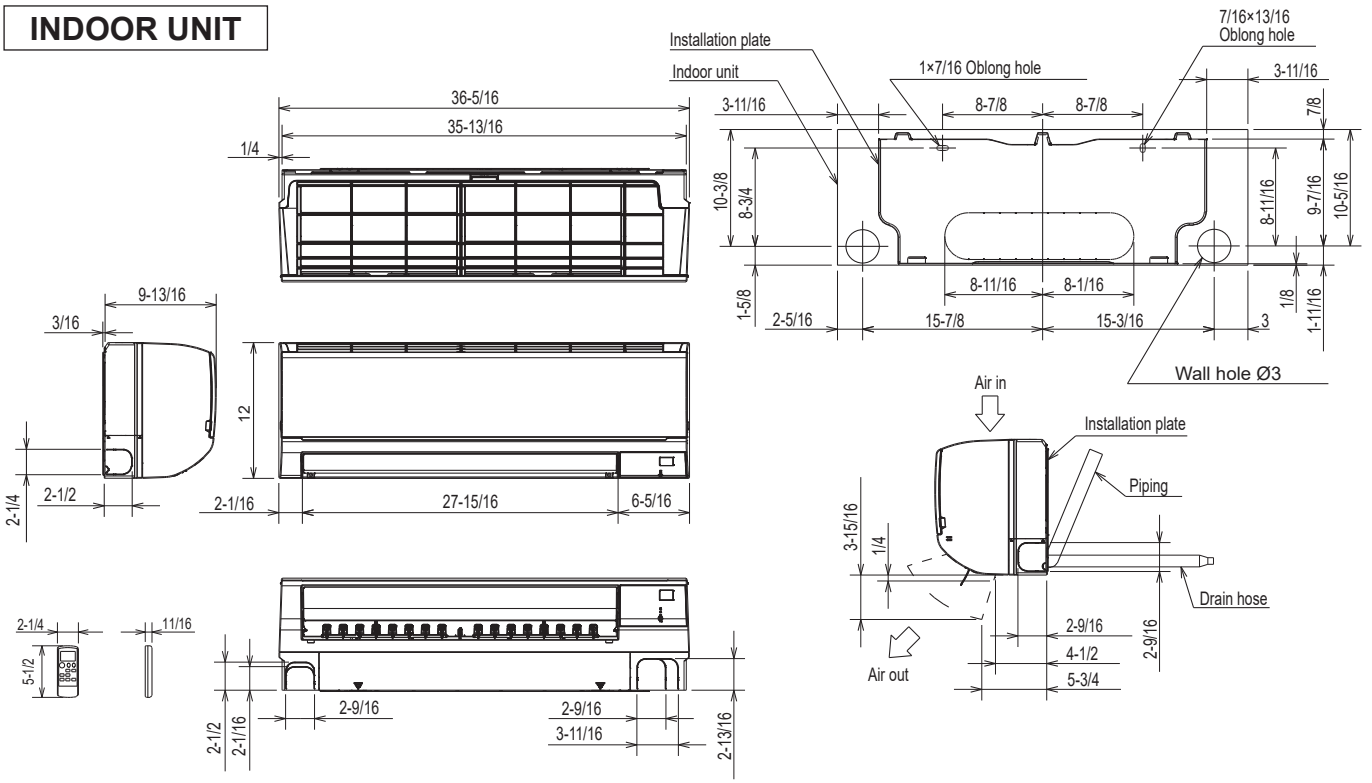
INDOOR UNIT



Piping	Insulation	ø1 - 3/8 O.D
	Liquid line	ø1/4 19 - 11/16 (Flared connection ø1/4)
	Gas line	ø3/8 16 - 15/16 (Flared connection: ø3/8)
Drain hose		Insulation ø1-1/8 O.D Connected part ø5/8 O.D

MSZ-WR18NA MSZ-WR24NA

INDOOR UNIT



MSZ-WR18NA

Piping	Insulation	Ø2 O.D
	Liquid line	Ø5/16 15-3/8 (Flared connection Ø1/4)
	Gas line	Ø15/32 13-3/8 (Flared connection Ø1/2)
Drain hose		Insulation Ø1-1/8 Connected part Ø5/8 O.D

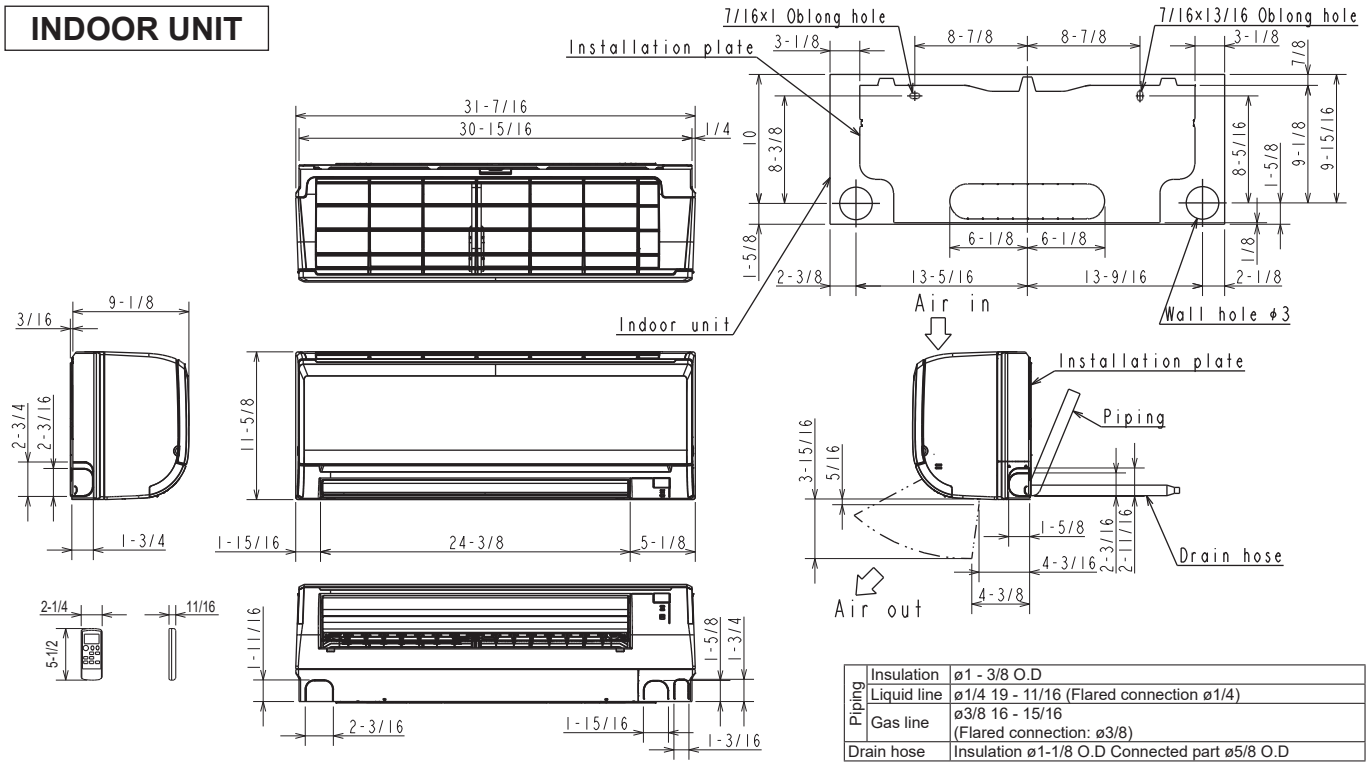
MSZ-WR24NA

Piping	Insulation	Ø2 O.D
	Liquid line	Ø5/16 15-3/8 (Flared connection Ø3/8)
	Gas line	Ø15/32 13-3/8 (Flared connection Ø5/8)
Drain hose		Insulation Ø1-1/8 Connected part Ø5/8 O.D

Unit: inch

MSZ-JP09WA MSZ-JP12WA

INDOOR UNIT



Piping	Insulation	ø1 - 3/8 O.D
	Liquid line	ø1/4 19 - 11/16 (Flared connection ø1/4)
	Gas line	ø3/8 16 - 15/16 (Flared connection: ø3/8)
Drain hose		Insulation ø1-1/8 O.D Connected part ø5/8 O.D

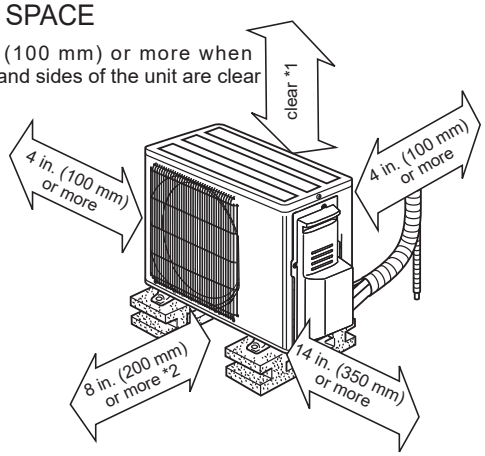
A.1.2.2 Outdoor Unit

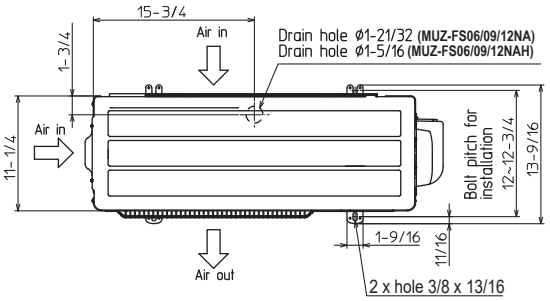
Unit: Inch

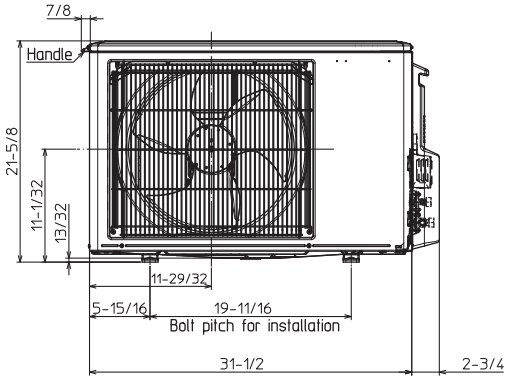
MUZ-FS06NA MUZ-FS09NA MUZ-FS12NA
MUZ-FS06NAH MUZ-FS09NAH MUZ-FS12NAH

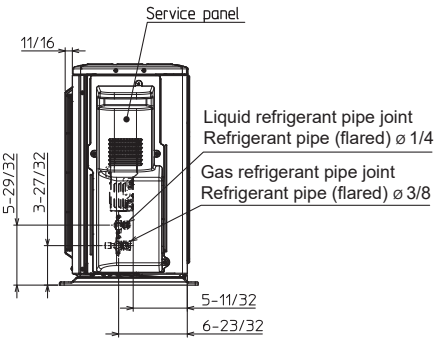
OUTDOOR UNIT

REQUIRED SPACE







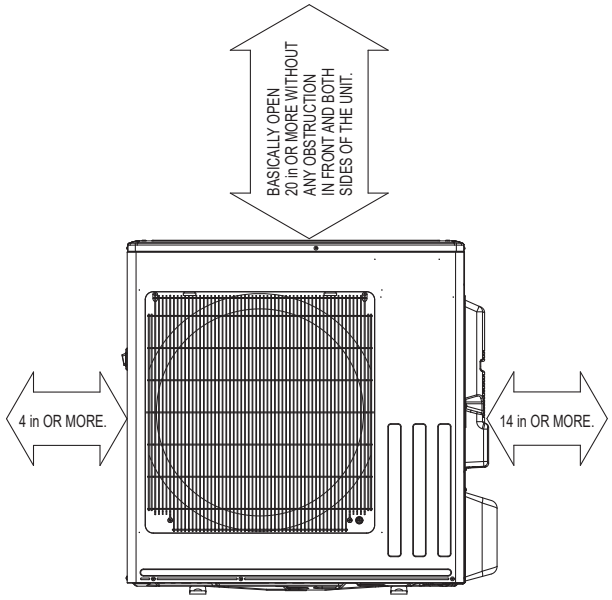


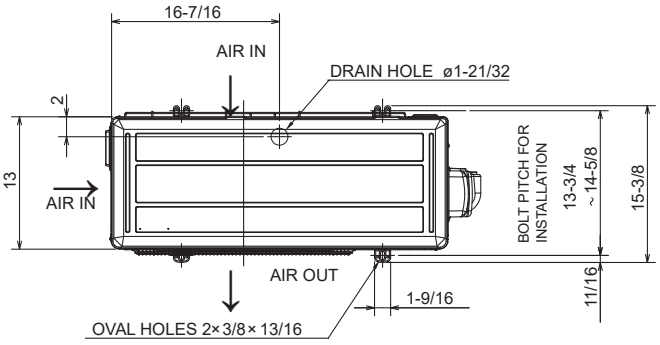
Unit: inch

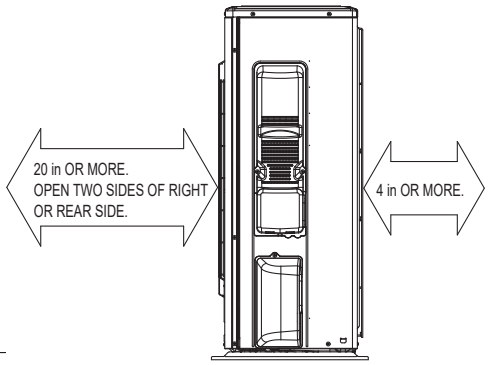
MUZ-FS15NA MUZ-FS18NA
MUZ-FS15NAH MUZ-FS18NAH

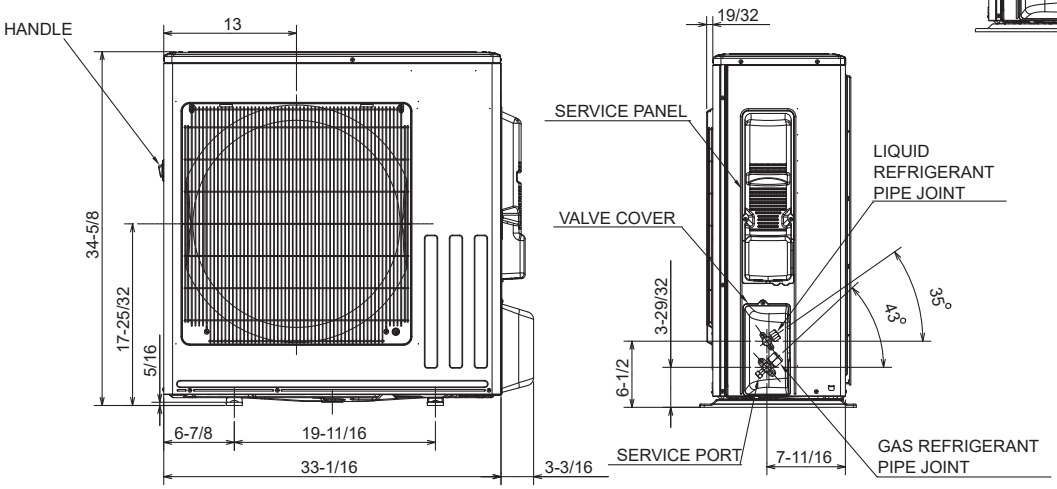
OUTDOOR UNIT

REQUIRED SPACE









REFRIGERANT PIPE JOINT	LIQUID REFRIGERANT PIPE	FLARED ø6.35 (1/4")
	GAS REFRIGERANT PIPE	FLARED ø12.7 (1/2")

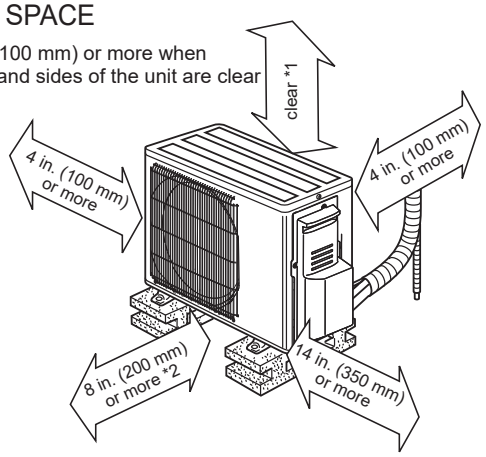
Unit: Inch

MUZ-GL09NA MUZ-GL09NAH MUY-GL09NA
MUZ-GL12NA MUZ-GL12NAH MUY-GL12NA
MUZ-GL15NA MUZ-GL15NAH MUY-GL15NA

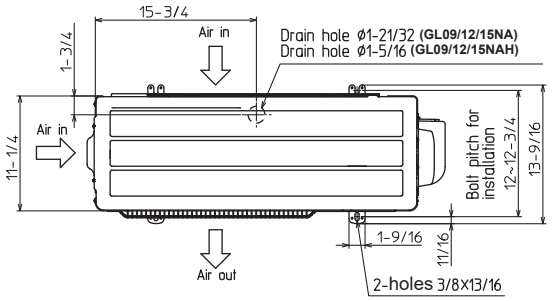
OUTDOOR UNIT

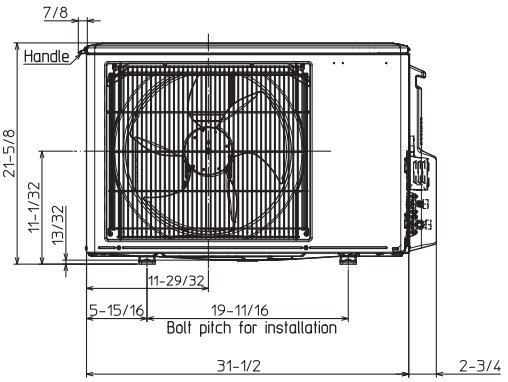
REQUIRED SPACE

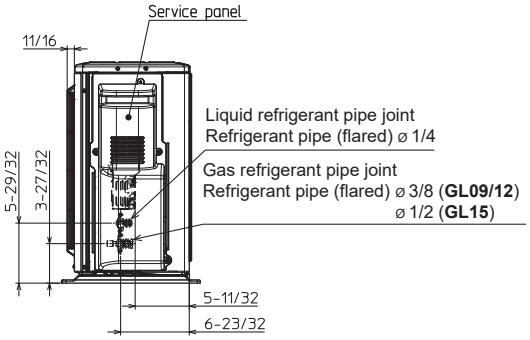
*1 4 in. (100 mm) or more when front and sides of the unit are clear



*2 When any 2 sides of left, right and rear of the unit are clear





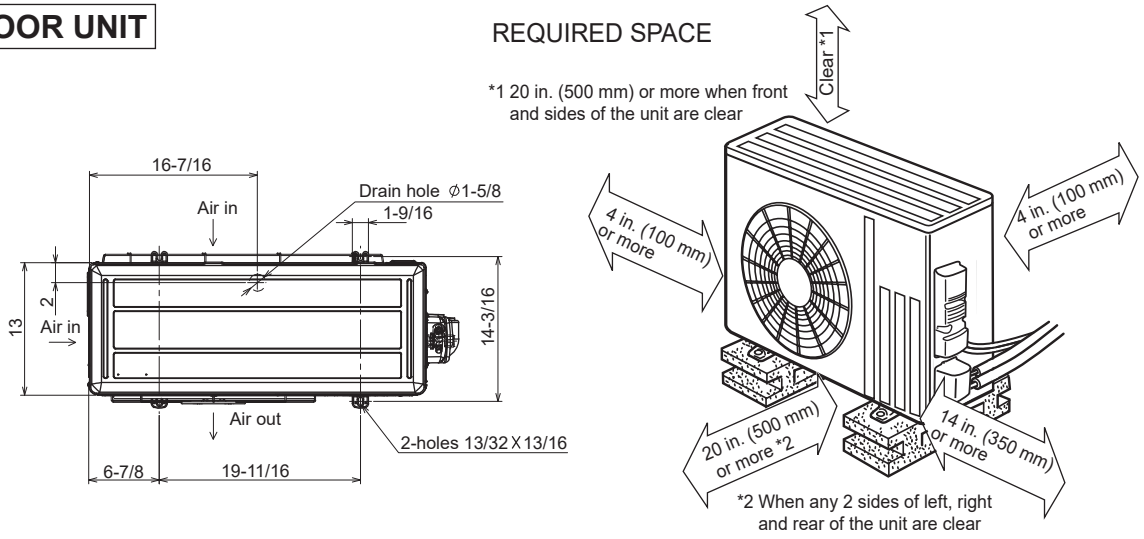


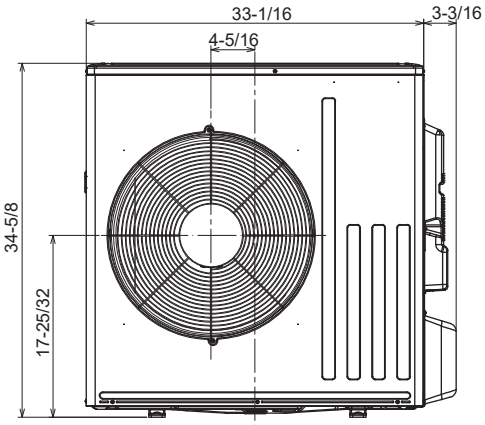
Unit: inch

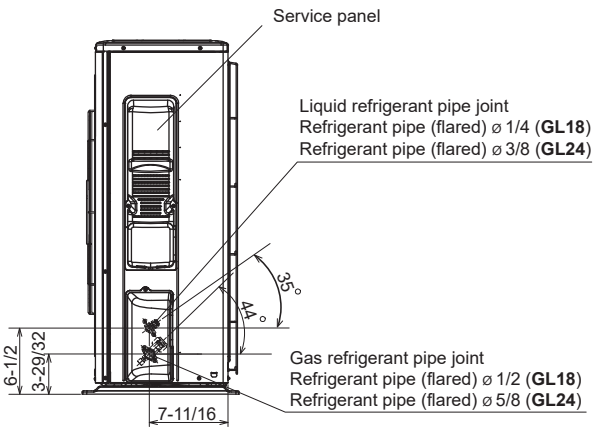
MUZ-GL18NA MUZ-GL18NAH MUY-GL18NA
MUZ-GL24NA MUZ-GL24NAH MUY-GL24NA

OUTDOOR UNIT

REQUIRED SPACE





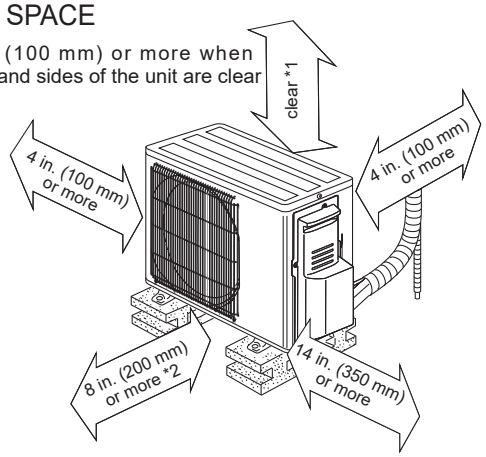


Unit: Inch

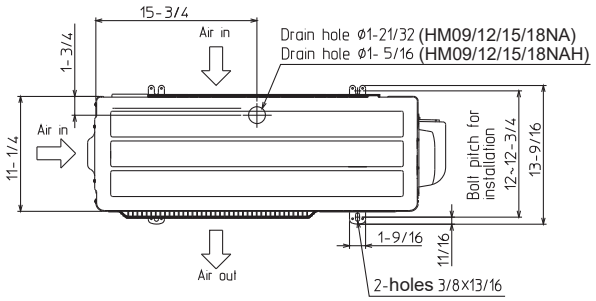
MUZ-HM09NA MUZ-HM12NA MUZ-HM15NA MUZ-HM18NA
MUZ-HM09NAH MUZ-HM12NAH MUZ-HM15NAH MUZ-HM18NAH

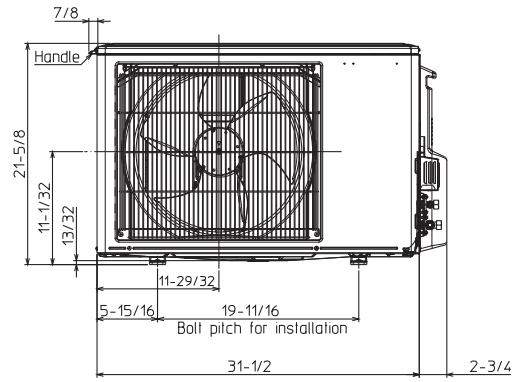
OUTDOOR UNIT

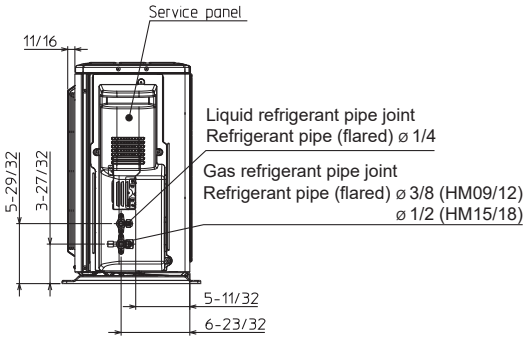
REQUIRED SPACE



*2 When any 2 sides of left, right and rear of the unit are clear

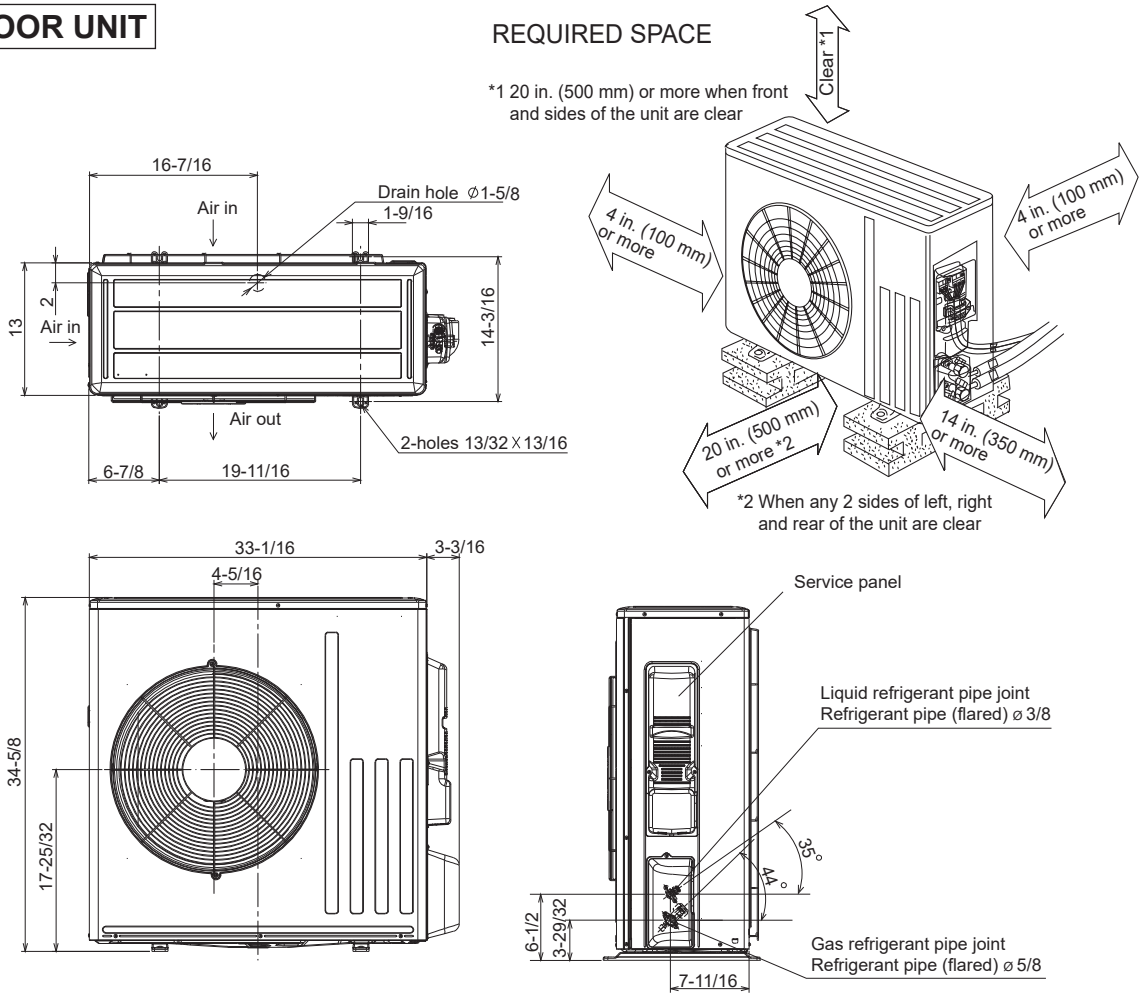






Unit: inch

MUZ-HM24NA
MUZ-HM24NAH
OUTDOOR UNIT

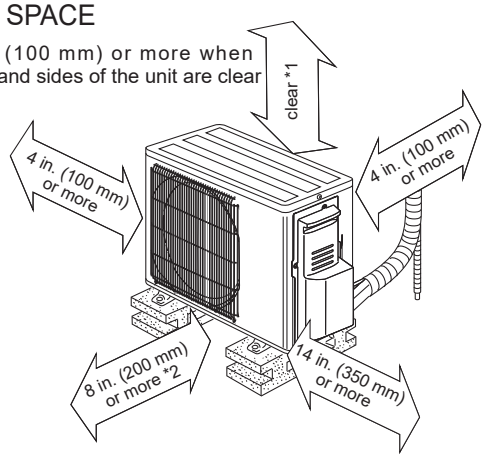


Unit: Inch

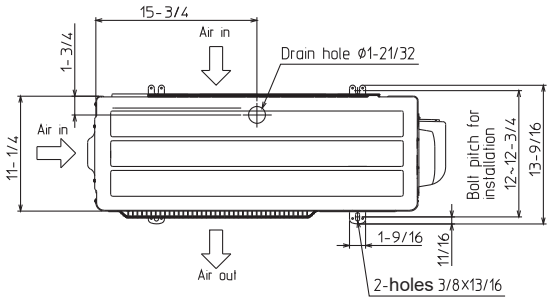
MUZ-WR09NA MUZ-WR12NA MUZ-WR18NA

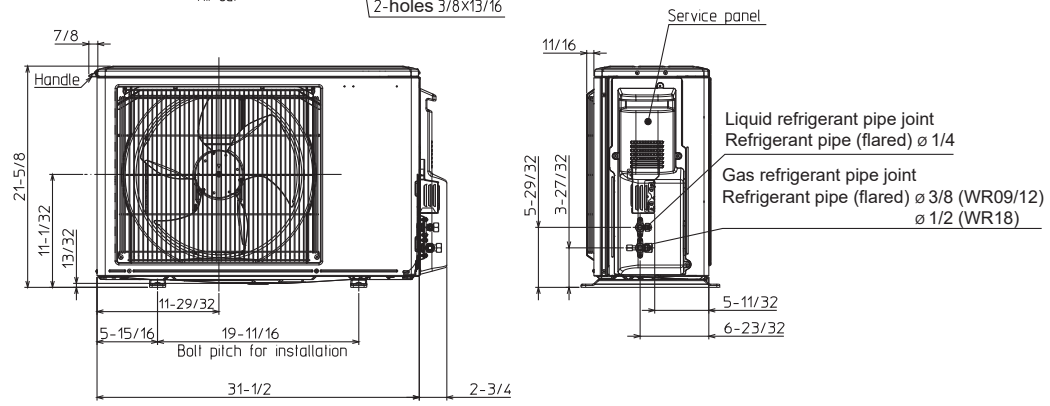
OUTDOOR UNIT

REQUIRED SPACE



*2 When any 2 sides of left, right and rear of the unit are clear

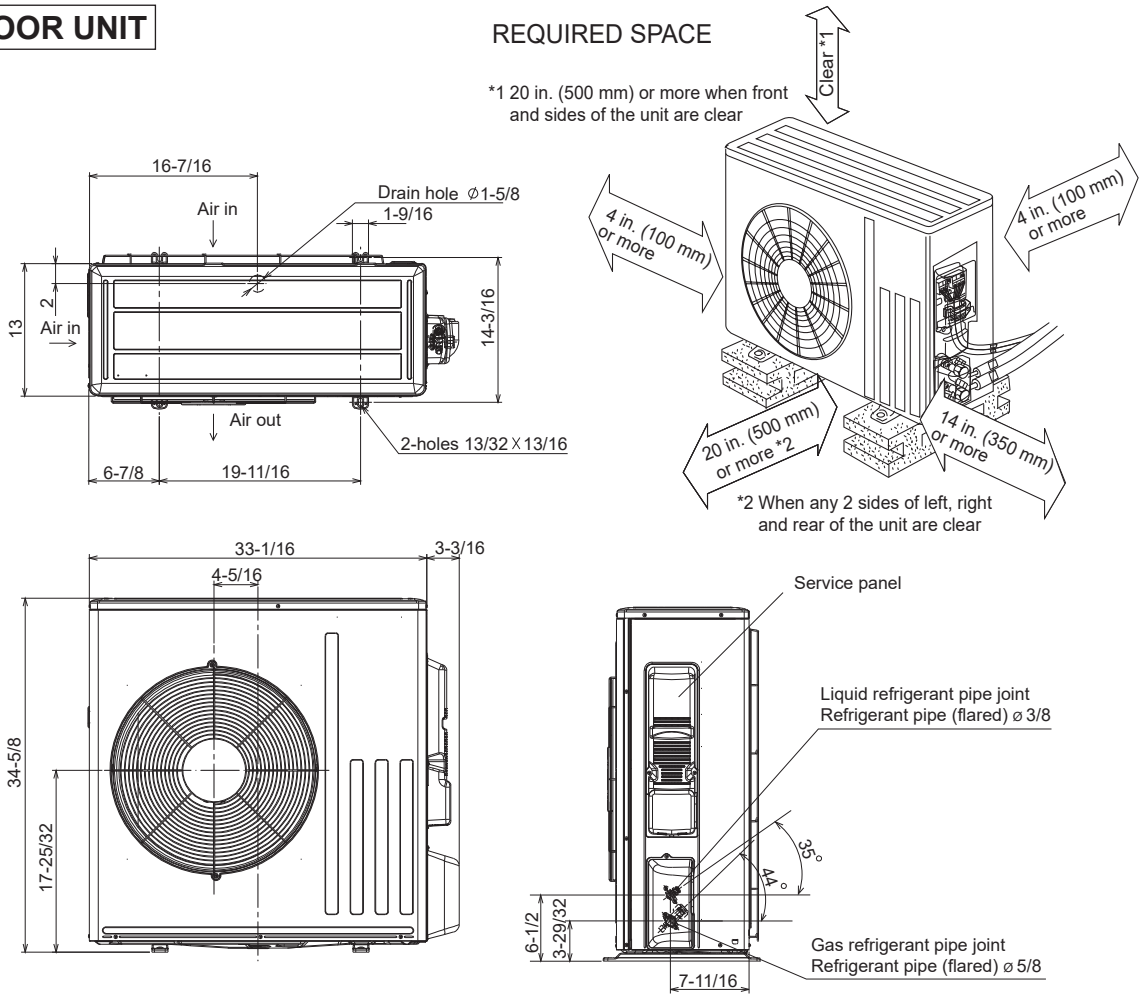




Unit: inch

MUZ-WR24NA

OUTDOOR UNIT



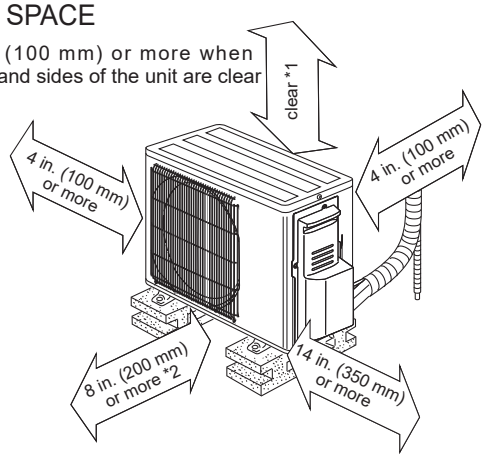
Unit: Inch

MUZ-JP09WA MUZ-JP12WA

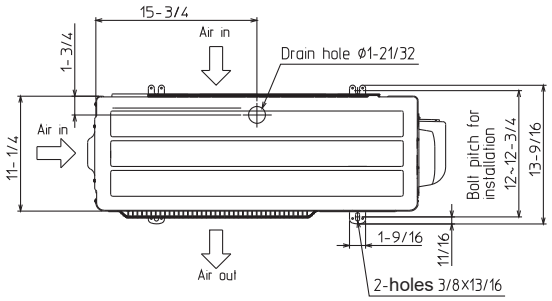
OUTDOOR UNIT

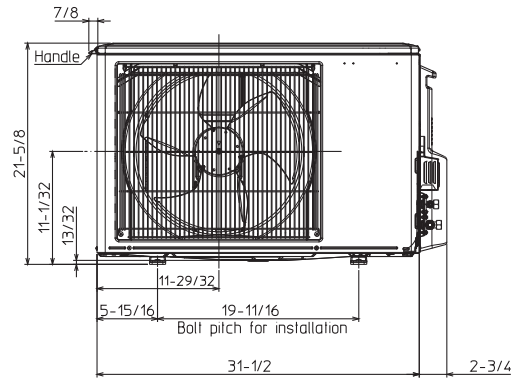
REQUIRED SPACE

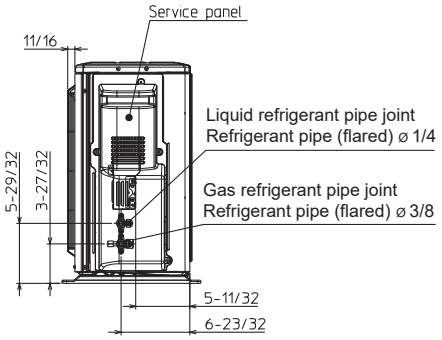
*1 4 in. (100 mm) or more when front and sides of the unit are clear



*2 When any 2 sides of left, right and rear of the unit are clear





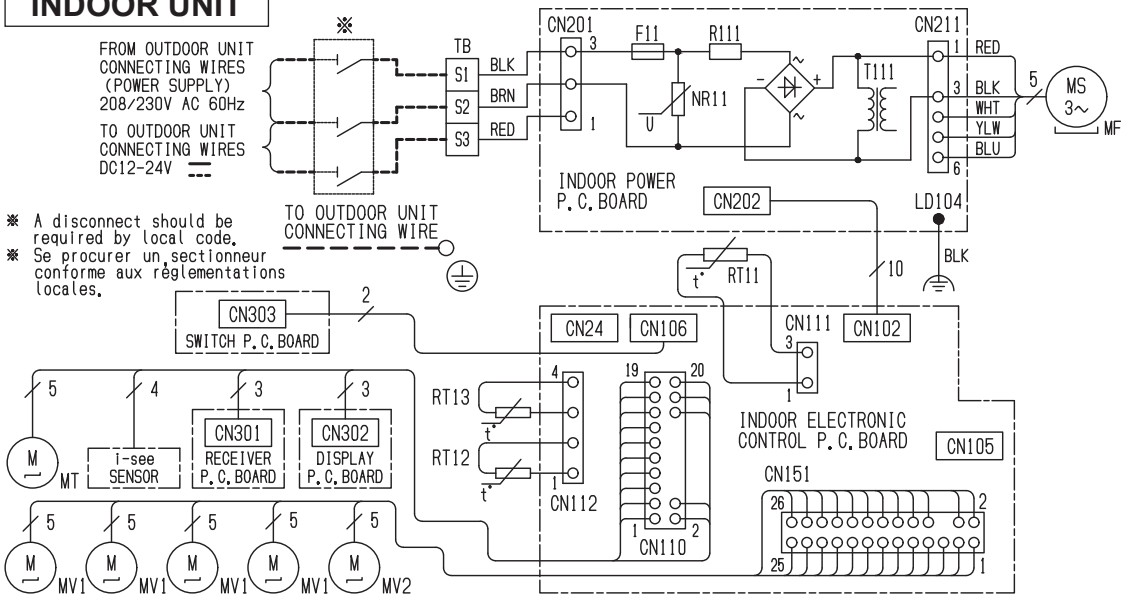


A.1.3 WIRING DIAGRAM

A.1.3.1 Indoor Unit

MSZ-FS06NA MSZ-FS09NA MSZ-FS12NA MSZ-FS15NA MSZ-FS18NA

INDOOR UNIT



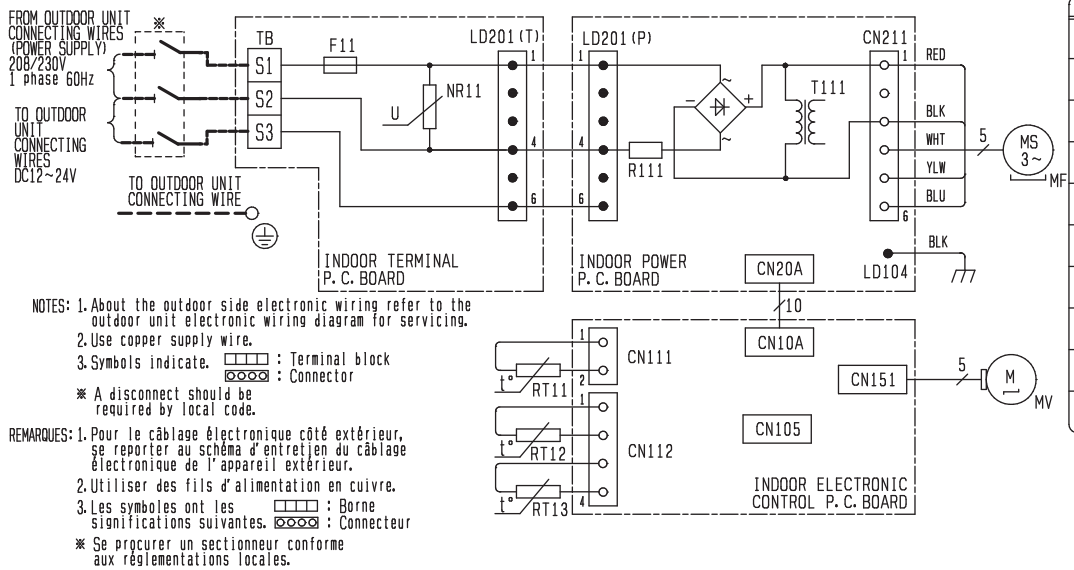
SYMBOL	NAME
F11	FUSE (T3.15AL250V)
MF	FAN MOTOR
MT	i-see SENSOR MOTOR
MV1	VANE MOTOR (HORIZONTAL)
MV2	VANE MOTOR (VERTICAL)
NR11	VARISTOR
R111	RESISTOR
RT11	ROOM TEMP. THERMISTOR
RT12	COIL TEMP. THERMISTOR (MAIN)
RT13	COIL TEMP. THERMISTOR (SUB)
T111	TRANSFORMER
TB	TERMINAL BLOCK

NOTES:
1. About the outdoor side electronic wiring refer to the outdoor unit electronic wiring diagram for servicing.
2. Use copper supply wire.
3. Symbols indicate, ☐☐☐☐ : Terminal block ⊡⊡⊡⊡ : Connector

REMARQUES:
1. Pour le câblage électronique côté extérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil extérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les significations suivantes ☐☐☐☐ : Borne ⊡⊡⊡⊡ : Connecteur

MSZ-GL06NA MSZ-GL09NA MSZ-GL12NA MSZ-GL15NA
MSY-GL09NA MSY-GL12NA MSY-GL15NA

INDOOR UNIT



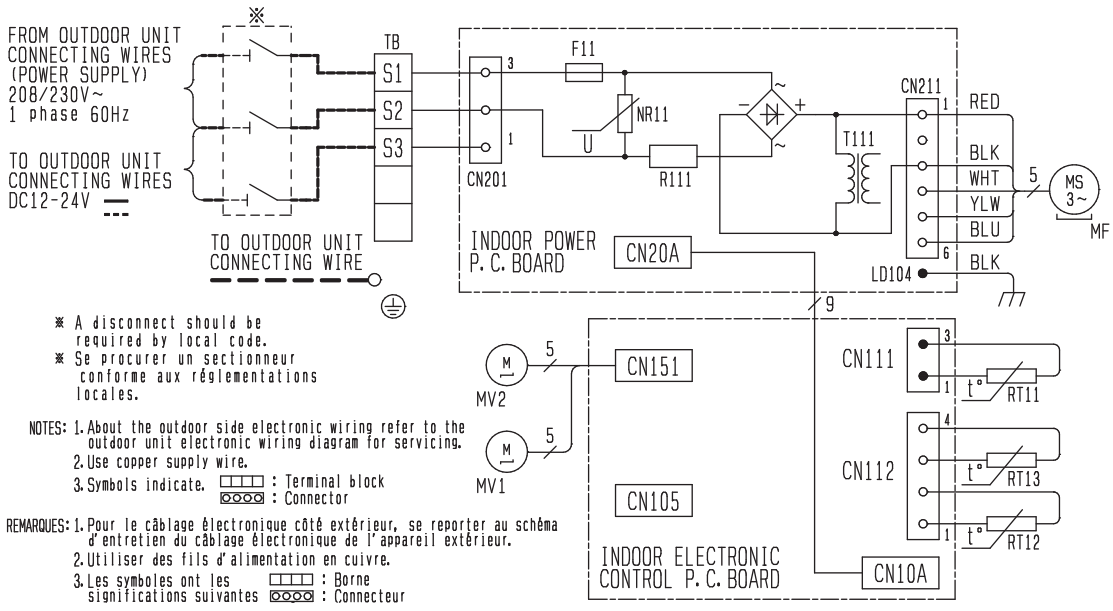
SYMBOL	NAME
F11	FUSE (T3. 15AL250V)
MF	FAN MOTOR
MV	VANE MOTOR (HORIZONTAL)
NR11	VARISTOR
R111	RESISTOR
RT11	ROOM TEMP. THERMISTOR
RT12	COIL TEMP. THERMISTOR (MAIN)
RT13	COIL TEMP. THERMISTOR (SUB)
T111	TRANSFORMER
TB	TERMINAL BLOCK

NOTES: 1. About the outdoor side electronic wiring refer to the outdoor unit electronic wiring diagram for servicing.
2. Use copper supply wire.
3. Symbols indicate. : Terminal block : Connector
※ A disconnect should be required by local code.

REMARQUES: 1. Pour le câblage électronique côté extérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil extérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les significations suivantes. : Borne : Connecteur
※ Se procurer un sectionneur conforme aux réglementations locales.

MSZ-GL18NA
MSY-GL18NA

INDOOR UNIT



SYMBOL	NAME
F11	FUSE (T3. 15AL250V)
MF	FAN MOTOR
MV1	VANE MOTOR (HORIZONTAL)
MV2	VANE MOTOR (VERTICAL)
NR11	VARISTOR
R111	RESISTOR
RT11	ROOM TEMP. THERMISTOR
RT12	COIL TEMP. THERMISTOR (MAIN)
RT13	COIL TEMP. THERMISTOR (SUB)
T111	TRANSFORMER
TB	TERMINAL BLOCK

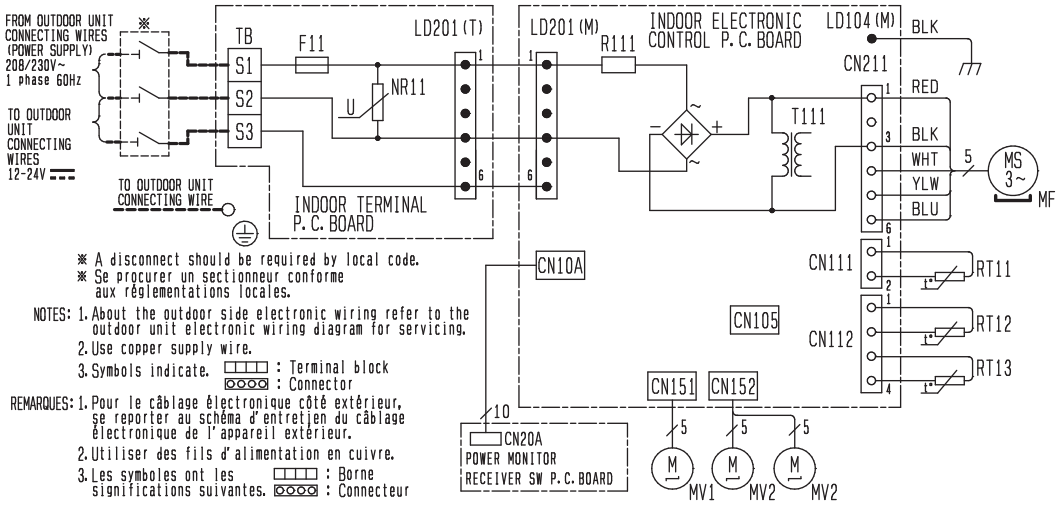
※ A disconnect should be required by local code.
※ Se procurer un sectionneur conforme aux réglementations locales.

NOTES: 1. About the outdoor side electronic wiring refer to the outdoor unit electronic wiring diagram for servicing.
2. Use copper supply wire.
3. Symbols indicate. : Terminal block : Connector

REMARQUES: 1. Pour le câblage électronique côté extérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil extérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les significations suivantes. : Borne : Connecteur

MSZ-GL24NA
MSY-GL24NA

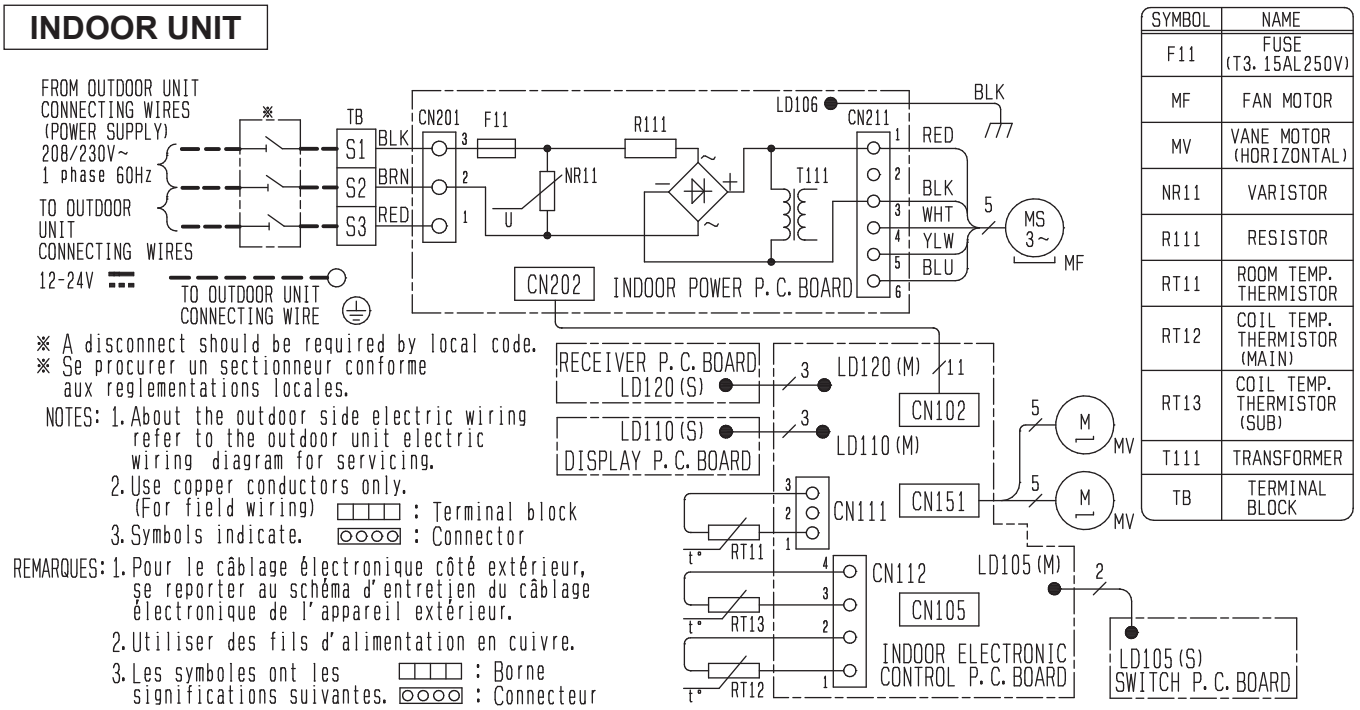
INDOOR UNIT



SYMBOL	NAME
F11	FUSE (T3. 15AL250V)
MF	FAN MOTOR
MV1	VANE MOTOR (HORIZONTAL)
MV2	VANE MOTOR (VERTICAL)
NR11	VARISTOR
R111	RESISTOR
RT11	ROOM TEMP. THERMISTOR
RT12	COIL TEMP. THERMISTOR (MAIN)
RT13	COIL TEMP. THERMISTOR (SUB)
T111	TRANSFORMER
TB	TERMINAL BLOCK

MSZ-EF09NAW MSZ-EF12NAW MSZ-EF15NAW MSZ-EF18NAW
MSZ-EF09NAB MSZ-EF12NAB MSZ-EF15NAB MSZ-EF18NAB
MSZ-EF09NAS MSZ-EF12NAS MSZ-EF15NAS MSZ-EF18NAS

INDOOR UNIT



SYMBOL	NAME
F11	FUSE (T3.15AL250V)
MF	FAN MOTOR
MV	VANE MOTOR (HORIZONTAL)
NR11	VARISTOR
R111	RESISTOR
RT11	ROOM TEMP. THERMISTOR
RT12	COIL TEMP. THERMISTOR (MAIN)
RT13	COIL TEMP. THERMISTOR (SUB)
T111	TRANSFORMER
TB	TERMINAL BLOCK

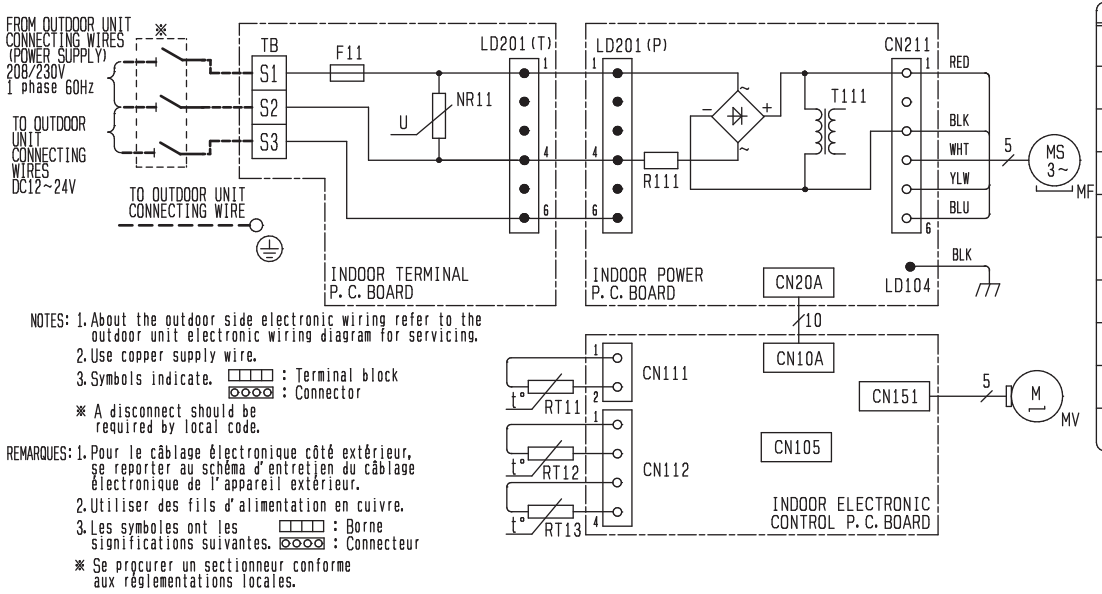
※ A disconnect should be required by local code.
※ Se procurer un sectionneur conforme aux reglementations locales.

NOTES: 1. About the outdoor side electric wiring refer to the outdoor unit electric wiring diagram for servicing.
2. Use copper conductors only. (For field wiring) : Terminal block
3. Symbols indicate. : Connector

REMARQUES: 1. Pour le câblage électronique côté extérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil extérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les significations suivantes. : Borne : Connecteur

MSZ-HM09NA MSZ-HM12NA MSZ-HM15NA

INDOOR UNIT



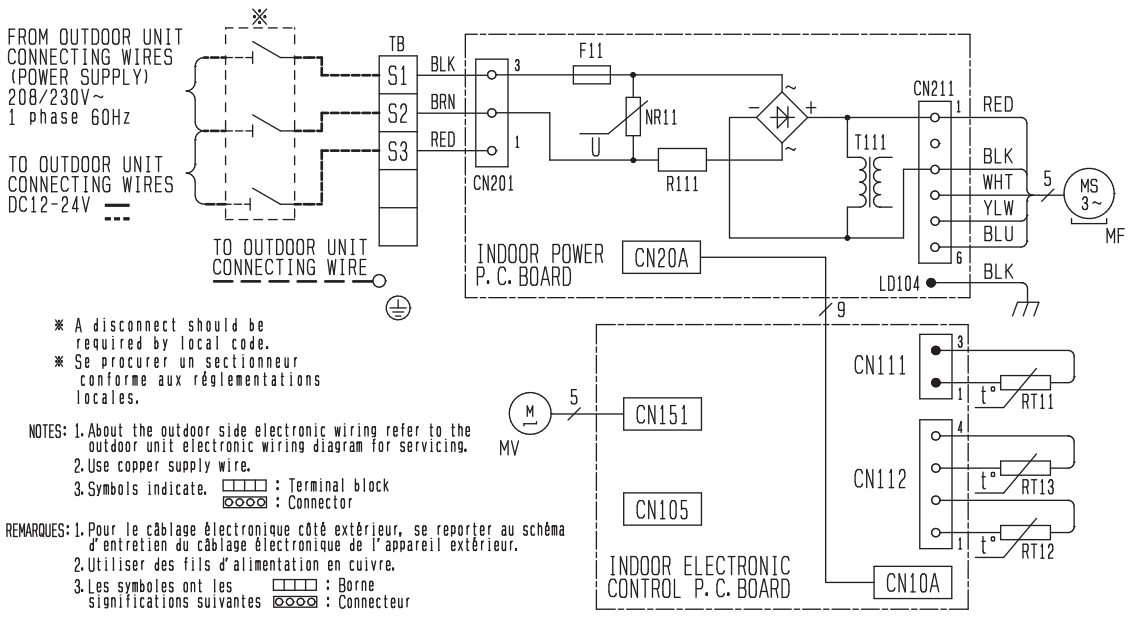
SYMBOL	NAME
F11	FUSE (T3. 15AL250V)
MF	FAN MOTOR
MV	VANE MOTOR (HORIZONTAL)
NR11	VARISTOR
R111	RESISTOR
RT11	ROOM TEMP. THERMISTOR
RT12	COIL TEMP. THERMISTOR (MAIN)
RT13	COIL TEMP. THERMISTOR (SUB)
T111	TRANSFORMER
TB	TERMINAL BLOCK

NOTES: 1. About the outdoor side electronic wiring refer to the outdoor unit electronic wiring diagram for servicing.
2. Use copper supply wire.
3. Symbols indicate. : Terminal block : Connector
※ A disconnect should be required by local code.

REMARQUES: 1. Pour le câblage électronique côté extérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil extérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les significations suivantes. : Borne : Connecteur
※ Se procurer un sectionneur conforme aux réglementations locales.

MSZ-HM18NA MSZ-HM24NA

INDOOR UNIT



SYMBOL	NAME
F11	FUSE (T3. 15AL250V)
MF	FAN MOTOR
MV	VANE MOTOR (HORIZONTAL)
NR11	VARISTOR
R111	RESISTOR
RT11	ROOM TEMP. THERMISTOR
RT12	COIL TEMP. THERMISTOR (MAIN)
RT13	COIL TEMP. THERMISTOR (SUB)
T111	TRANSFORMER
TB	TERMINAL BLOCK

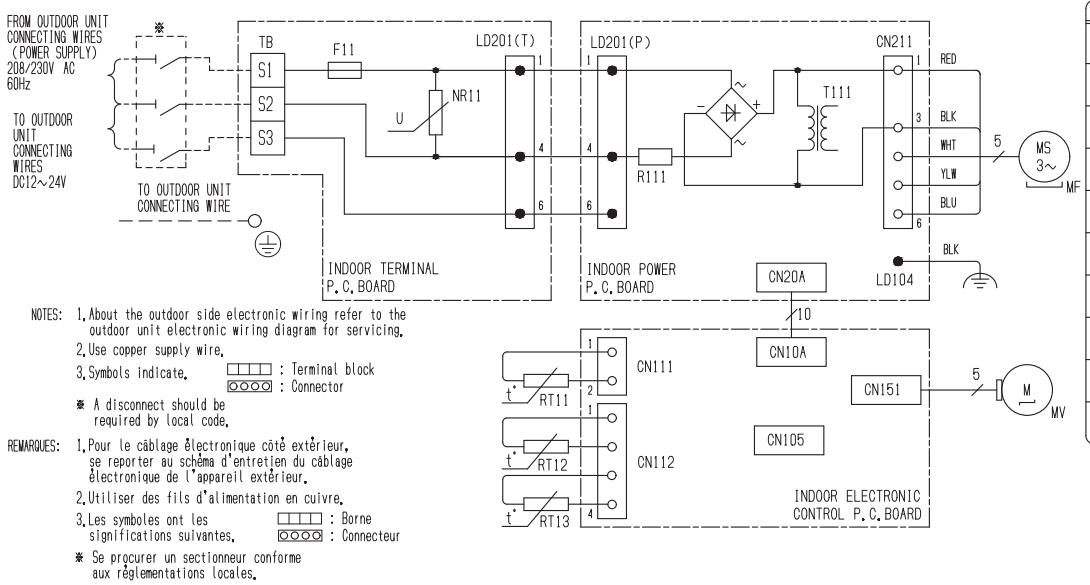
※ A disconnect should be required by local code.
※ Se procurer un sectionneur conforme aux réglementations locales.

NOTES: 1. About the outdoor side electronic wiring refer to the outdoor unit electronic wiring diagram for servicing.
2. Use copper supply wire.
3. Symbols indicate. : Terminal block : Connector

REMARQUES: 1. Pour le câblage électronique côté extérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil extérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les significations suivantes : Borne : Connecteur

MSZ-WR09NA MSZ-WR12NA

INDOOR UNIT



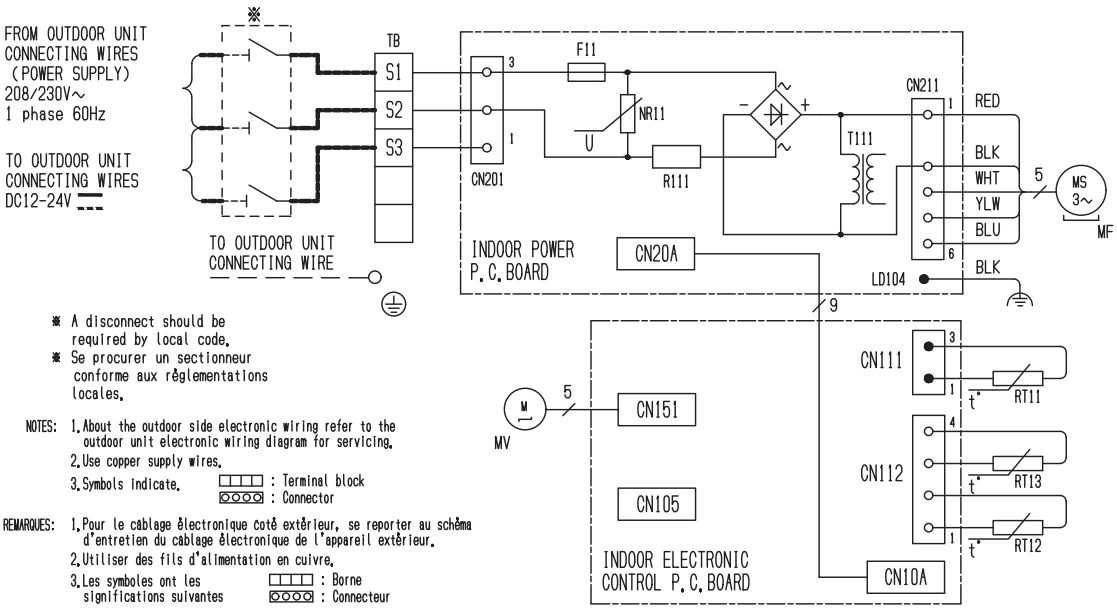
NOTES: 1. About the outdoor side electronic wiring refer to the outdoor unit electronic wiring diagram for servicing.
2. Use copper supply wire.
3. Symbols indicate. : Terminal block : Connector
※ A disconnect should be required by local code.

REMARQUES: 1. Pour le câblage électronique côté extérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil extérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les significations suivantes. : Borne : Connecteur
※ Se procurer un sectionneur conforme aux réglementations locales.

SYMBOL	NAME
F11	FUSE (T3.15AL250V)
MF	FAN MOTOR
MV	VANE MOTOR (HORIZONTAL)
NR11	VARISTOR
R111	RESISTOR
RT11	ROOM TEMP. THERMISTOR
RT12	COIL TEMP. THERMISTOR (MAIN)
RT13	COIL TEMP. THERMISTOR (SUB)
T111	TRANSFORMER
TB	TERMINAL BLOCK

MSZ-WR18NA MSZ-WR24NA

INDOOR UNIT



※ A disconnect should be required by local code.
※ Se procurer un sectionneur conforme aux réglementations locales.

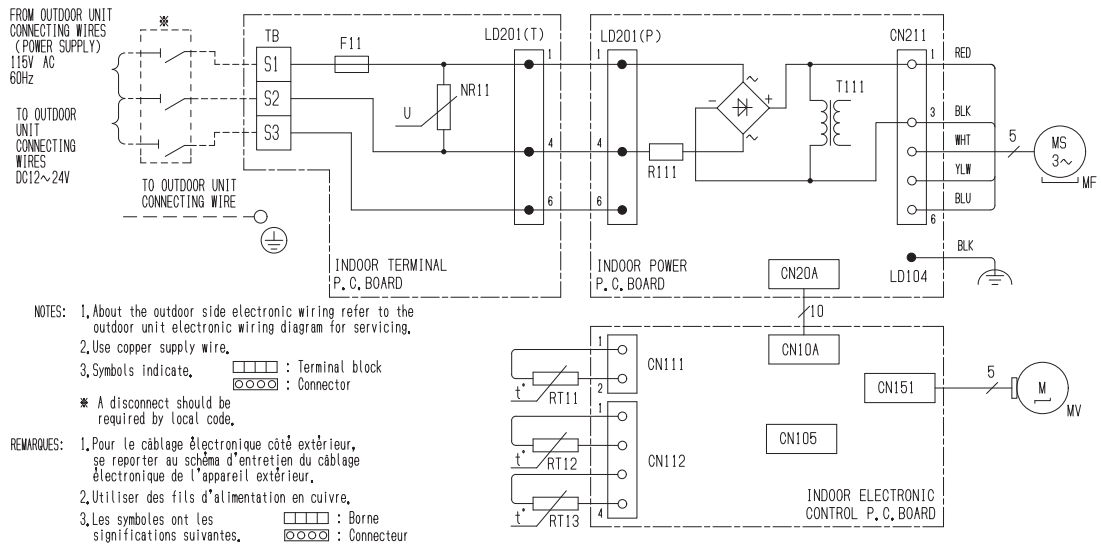
NOTES: 1. About the outdoor side electronic wiring refer to the outdoor unit electronic wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate. : Terminal block : Connector

REMARQUES: 1. Pour le câblage électronique coté extérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil extérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les significations suivantes : Borne : Connecteur

SYMBOL	NAME
F11	FUSE (T3.15AL250V)
MF	FAN MOTOR
MV	VANE MOTOR (HORIZONTAL)
NR11	VARISTOR
R111	RESISTOR
RT11	ROOM TEMP. THERMISTOR
RT12	COIL TEMP. THERMISTOR (MAIN)
RT13	COIL TEMP. THERMISTOR (SUB)
T111	TRANSFORMER
TB	TERMINAL BLOCK

MSZ-JP09WA MSZ-JP12WA

INDOOR UNIT



SYMBOL	NAME
F11	FUSE (T3.15AL250V)
MF	FAN MOTOR
MV	VANE MOTOR (HORIZONTAL)
NR11	VARISTOR
R111	RESISTOR
RT11	ROOM TEMP. THERMISTOR
RT12	COIL TEMP. THERMISTOR (MAIN)
RT13	COIL TEMP. THERMISTOR (SUB)
T111	TRANSFORMER
TB	TERMINAL BLOCK

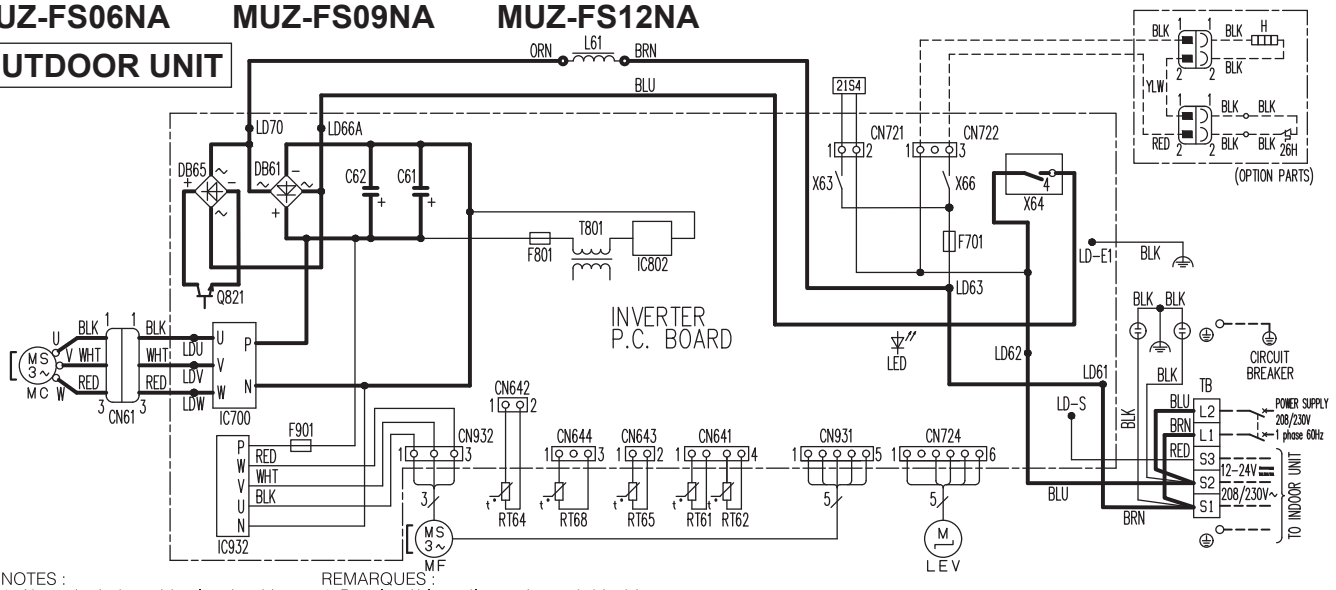
NOTES: 1. About the outdoor side electronic wiring refer to the outdoor unit electronic wiring diagram for servicing.
2. Use copper supply wire.
3. Symbols indicate. : Terminal block : Connector
※ A disconnect should be required by local code.

REMARQUES: 1. Pour le câblage électronique côté extérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil extérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les significations suivantes. : Borne : Connecteur
※ Se procurer un sectionneur conforme aux réglementations locales

A.1.3.2 Outdoor Unit

MUZ-FS06NA MUZ-FS09NA MUZ-FS12NA

OUTDOOR UNIT



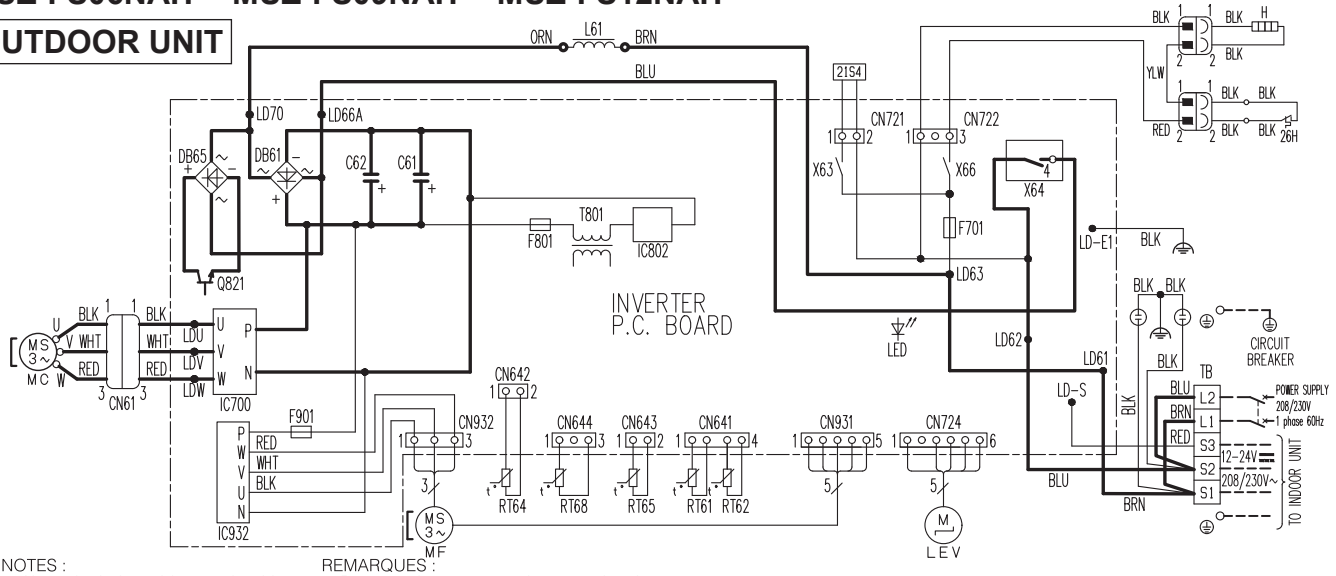
NOTES :
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, ▭ :Terminal block ⊡⊡⊡ :Connector

REMARQUES :
1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les ▭ :Borne significations suivantes, ⊡⊡⊡ :Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
C61,C62	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61,DB65	DIODE MODULE	MC	COMPRESSOR		
F701,F801,F901	FUSE (T3. 15AL250V)	MF	FAN MOTOR	TB	TERMINAL BLOCK
H	DEFROST HEATER (OPTION PARTS)	Q821	SWITCHING POWER TRANSISTOR	T801	TRANSFORMER
IC700,IC932	POWER MODULE	RT61	DEFROST THERMISTOR	X63, X64, X66	RELAY
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
LED	LED	RT64	FIN TEMP. THERMISTOR	26H	HEATER PROTECTOR (OPTION PARTS)

MUZ-FS06NAH MUZ-FS09NAH MUZ-FS12NAH

OUTDOOR UNIT



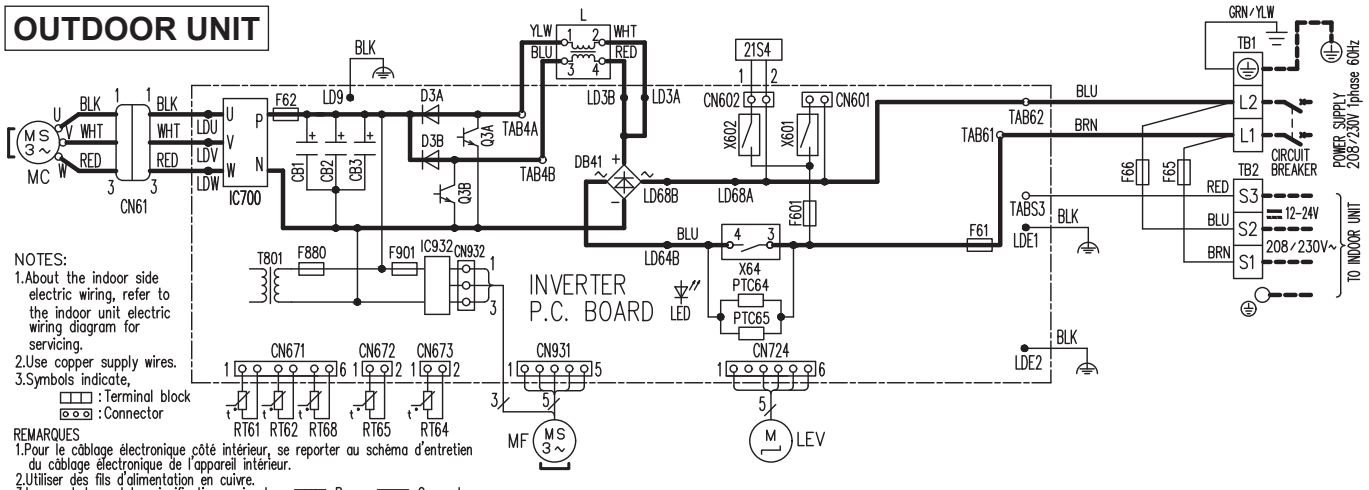
NOTES :
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, ▭ :Terminal block ⊡⊡⊡ :Connector

REMARQUES :
1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les ▭ :Borne significations suivantes, ⊡⊡⊡ :Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
C61,C62	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61,DB65	DIODE MODULE	MC	COMPRESSOR		
F701,F801,F901	FUSE (T3. 15AL250V)	MF	FAN MOTOR	TB	TERMINAL BLOCK
H	DEFROST HEATER	Q821	SWITCHING POWER TRANSISTOR	T801	TRANSFORMER
IC700,IC932	POWER MODULE	RT61	DEFROST THERMISTOR	X63, X64, X66	RELAY
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
LED	LED	RT64	FIN TEMP. THERMISTOR	26H	HEATER PROTECTOR

MUZ-FS15NA MUZ-FS18NA

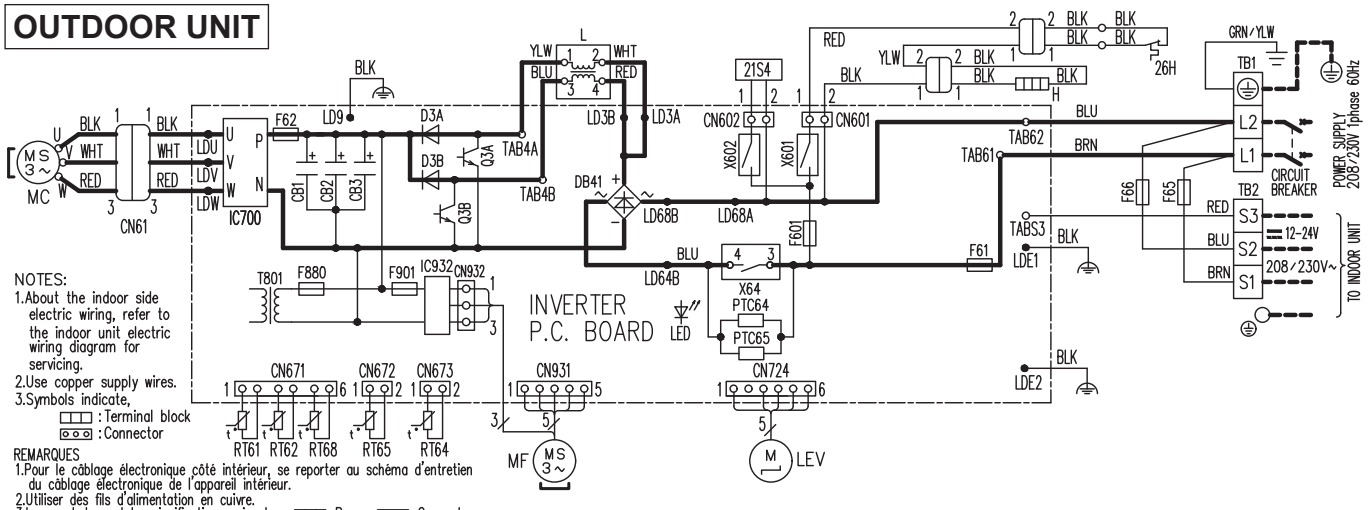
OUTDOOR UNIT



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1,CB2,CB3	SMOOTHING CAPACITOR	LED	LED	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
CN61	CONNECTOR	LEV	EXPANSION VALVE COIL		
DB41	DIODE MODULE	MC	COMPRESSOR	TB1,TB2	TERMINAL BLOCK
D3A,D3B	DIODE	MF	FAN MOTOR	T801	TRANSFORMER
F61	FUSE (25A 250V)	PTC64,PTC65	CIRCUIT PROTECTION	X64,X601,X602	RELAY
F62	FUSE (15A 250V)	Q3A,Q3B	SWITCHING POWER TRANSISTOR	21S4	REVERSING VALVE COIL
F65,F66	FUSE (T6.3AL250V)	RT61	DEFROST TEMP. THERMISTOR		
F601,F880,F901	FUSE (T3.15AL250V)	RT62	DISCHARGE TEMP. THERMISTOR		
IC700,IC932	POWER MODULE	RT64	FIN TEMP. THERMISTOR		
L	REACTOR	RT65	AMBIENT TEMP. THERMISTOR		

MUZ-FS15NAH MUZ-FS18NAH

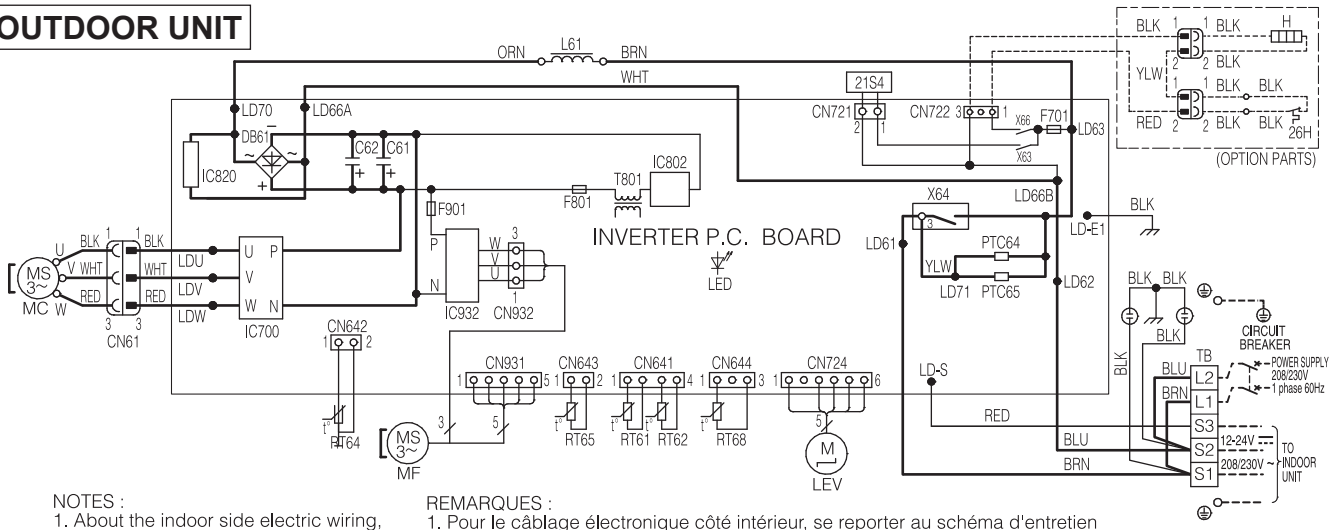
OUTDOOR UNIT



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1,CB2,CB3	SMOOTHING CAPACITOR	L	REACTOR	RT65	AMBIENT TEMP. THERMISTOR
CN61	CONNECTOR	LED	LED	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB41	DIODE MODULE	LEV	EXPANSION VALVE COIL		
D3A,D3B	DIODE	MC	COMPRESSOR	TB1,TB2	TERMINAL BLOCK
F61	FUSE (25A 250V)	MF	FAN MOTOR	T801	TRANSFORMER
F62	FUSE (15A 250V)	PTC64,PTC65	CIRCUIT PROTECTION	X64,X601,X602	RELAY
F65,F66	FUSE (T6.3AL250V)	Q3A,Q3B	SWITCHING POWER TRANSISTOR	21S4	REVERSING VALVE COIL
F601,F880,F901	FUSE (T3.15AL250V)	RT61	DEFROST TEMP. THERMISTOR	26H	HEATER PROTECTOR
H	DEFROST HEATER	RT62	DISCHARGE TEMP. THERMISTOR		
IC700,IC932	POWER MODULE	RT64	FIN TEMP. THERMISTOR		

MUZ-GL09NA-U1, U8 MUZ-GL12NA-U1

OUTDOOR UNIT



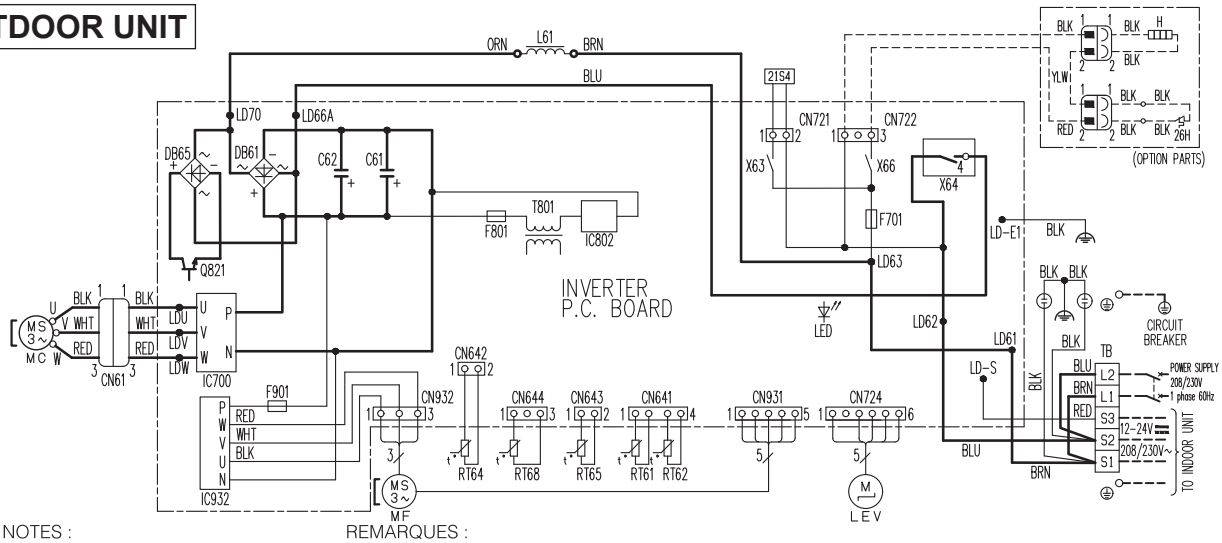
NOTES :
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, □□□□ :Terminal block
   ⊙⊙⊙⊙⊙ :Connector

REMARQUES :
1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les significations suivantes, □□□□ :Borne
   ⊙⊙⊙⊙⊙ :Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
C61,C62	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61	DIODE MODULE	MC	COMPRESSOR		
F701,F801,F901	FUSE (T3. 15AL250V)	MF	FAN MOTOR	TB	TERMINAL BLOCK
H	DEFROST HEATER(OPTION PARTS)	PTC64, PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
IC700,IC820,IC932	POWER MODULE	RT61	DEFROST THERMISTOR	X63, X64, X66	RELAY
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
LED	LED	RT64	FIN TEMP. THERMISTOR	26H	HEATER PROTECTOR(OPTION PARTS)
LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR		

MUZ-GL09NA-U2 MUZ-GL12NA-U2

OUTDOOR UNIT



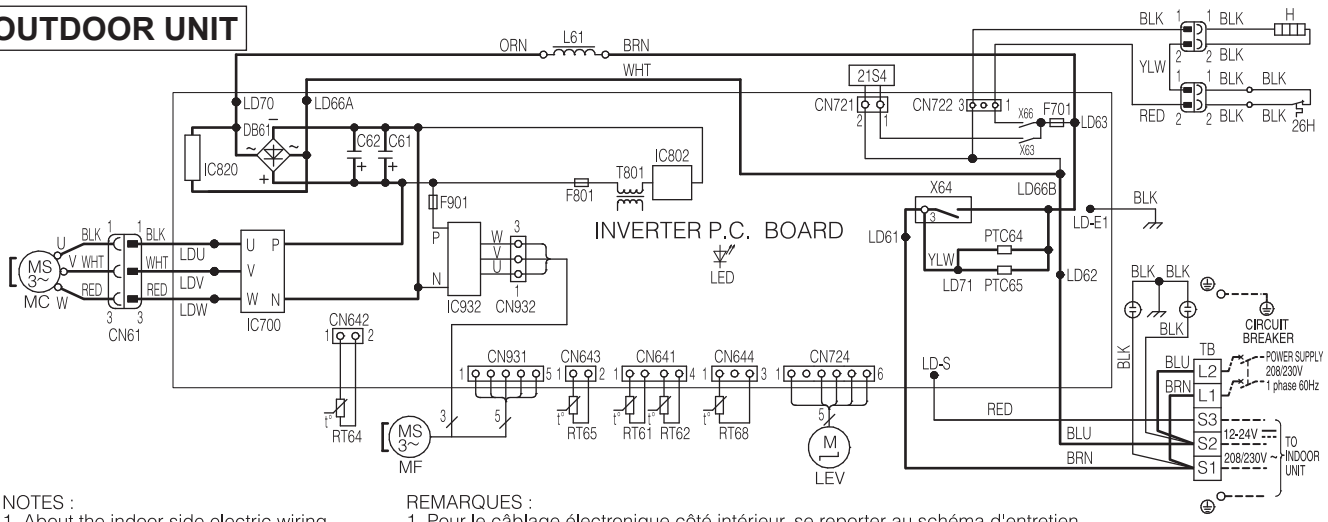
NOTES :
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, □□□ :Terminal block
   ⊙⊙⊙ :Connector

REMARQUES :
1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les significations suivantes, □□□ :Borne
   ⊙⊙⊙ :Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
C61,C62	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61,DB65	DIODE MODULE	MC	COMPRESSOR		
F701,F801,F901	FUSE (T3. 15AL250V)	MF	FAN MOTOR	TB	TERMINAL BLOCK
H	DEFROST HEATER (OPTION PARTS)	Q821	SWITCHING POWER TRANSISTOR	T801	TRANSFORMER
IC700,IC932	POWER MODULE	RT61	DEFROST THERMISTOR	X63, X64, X66	RELAY
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
LED	LED	RT64	FIN TEMP. THERMISTOR	26H	HEATER PROTECTOR (OPTION PARTS)

MUZ-GL09NAH-U1, U8 MUZ-GL12NAH-U1

OUTDOOR UNIT



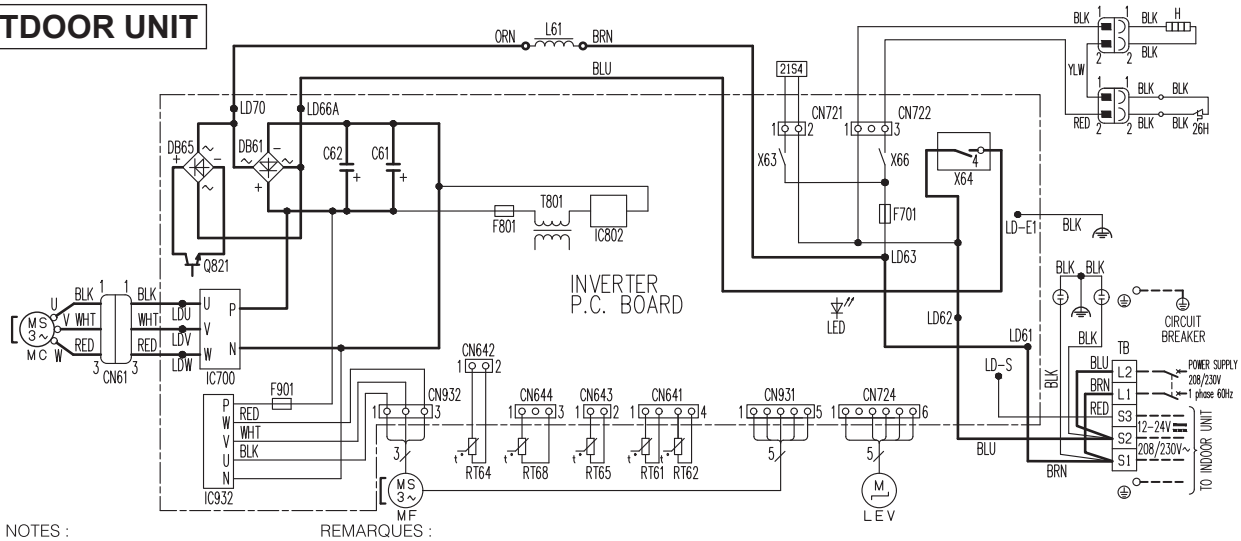
NOTES :
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, ⊏⊐⊏⊐ :Terminal block
   ⊙⊙⊙⊙ :Connector

REMARQUES :
1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les significations suivantes, ⊏⊐⊏⊐ :Borne
   ⊙⊙⊙⊙ :Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
C61,C62	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61	DIODE MODULE	MC	COMPRESSOR		
F701,F801,F901	FUSE (T3. 15AL250V)	MF	FAN MOTOR	TB	TERMINAL BLOCK
H	DEFROST HEATER	PTC64, PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
IC700,IC820,IC932	POWER MODULE	RT61	DEFROST THERMISTOR	X63, X64, X66	RELAY
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
LED	LED	RT64	FIN TEMP. THERMISTOR	26H	HEATER PROTECTOR
LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR		

MUZ-GL09NAH-U2 MUZ-GL12NAH-U2

OUTDOOR UNIT



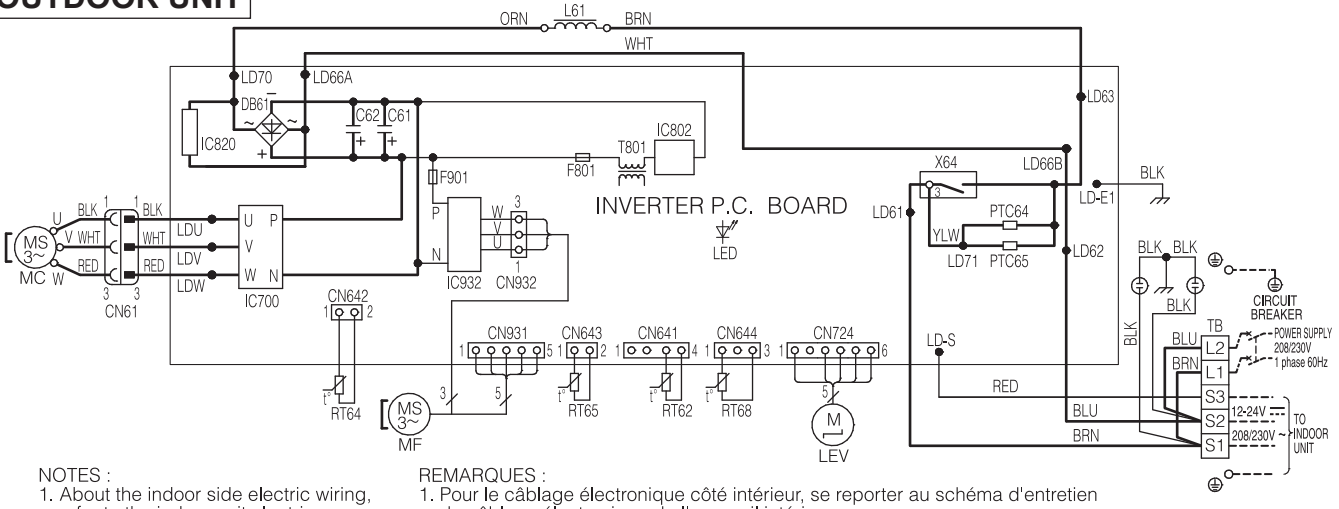
NOTES :
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, ⊏⊐⊏⊐ :Terminal block
   ⊙⊙⊙ :Connector

REMARQUES :
1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les ⊏⊐⊏⊐ :Borne
   significations suivantes, ⊙⊙⊙ :Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
C61,C62	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61,DB65	DIODE MODULE	MC	COMPRESSOR		
F701,F801,F901	FUSE (T3. 15AL250V)	MF	FAN MOTOR	TB	TERMINAL BLOCK
H	DEFROST HEATER	Q821	SWITCHING POWER TRANSISTOR	T801	TRANSFORMER
IC700,IC932	POWER MODULE	RT61	DEFROST THERMISTOR	X63, X64, X66	RELAY
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
LED	LED	RT64	FIN TEMP. THERMISTOR	26H	HEATER PROTECTOR

MUY-GL09NA-U1 MUY-GL12NA-U1

OUTDOOR UNIT



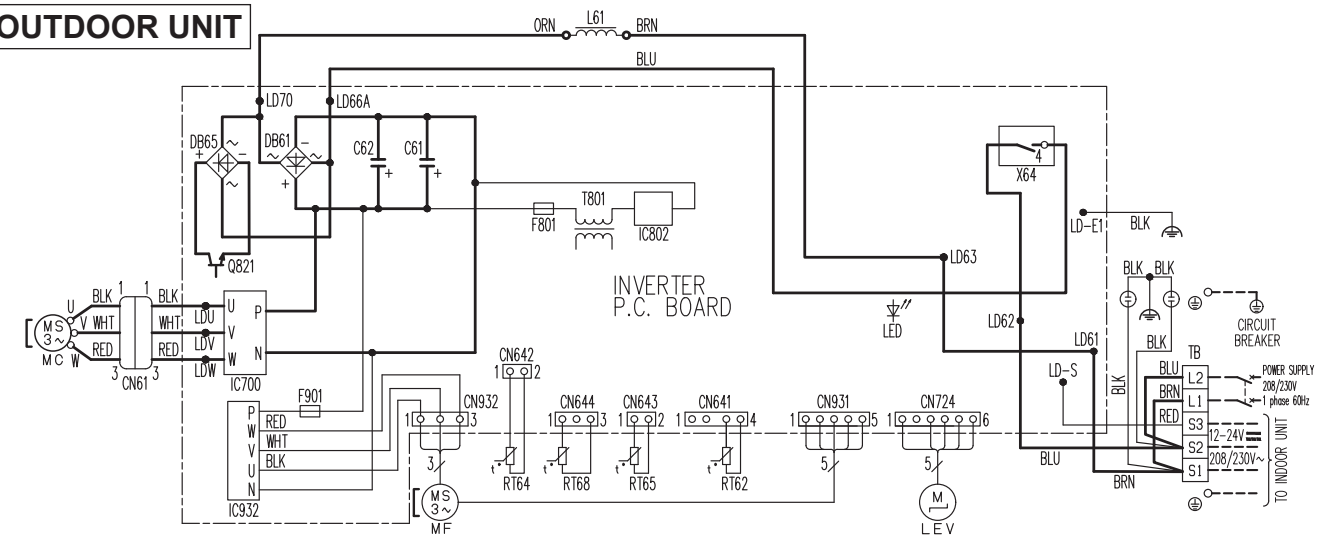
NOTES :
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, ☐☐☐☐ :Terminal block
   ⊙⊙⊙⊙⊙ :Connector

REMARQUES :
1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les ☐☐☐☐ :Borne
   significations suivantes, ⊙⊙⊙⊙⊙ :Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
C61,C62	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61	DIODE MODULE	MC	COMPRESSOR		
F801,F901	FUSE (T3. 15AL250V)	MF	FAN MOTOR	TB	TERMINAL BLOCK
IC700,IC820,IC932	POWER MODULE	PTC64, PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	X64	RELAY
LED	LED	RT64	FIN TEMP. THERMISTOR		
LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR		

MUY-GL09NA-U2 MUY-GL12NA-U2

OUTDOOR UNIT



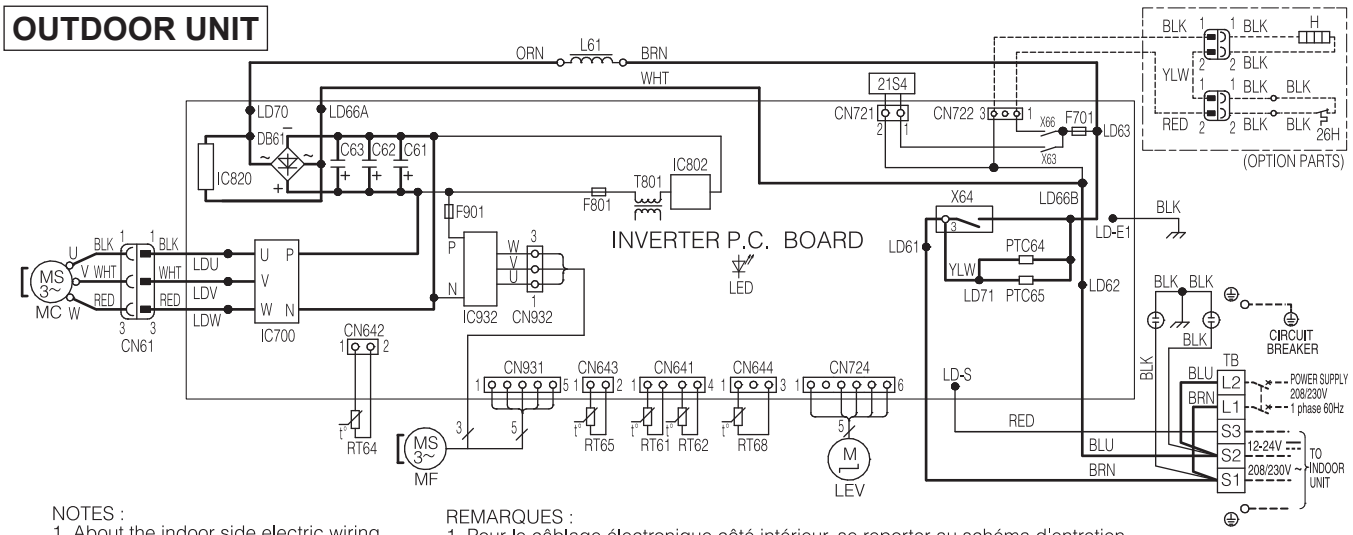
NOTES :
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, ☐☐☐ :Terminal block
   ⊙⊙⊙ :Connector

REMARQUES :
1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les ☐☐☐ :Borne
   significations suivantes, ⊙⊙⊙ :Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
C61,C62	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61,DB65	DIODE MODULE	MC	COMPRESSOR		
F801,F901	FUSE (T3. 15AL250V)	MF	FAN MOTOR	TB	TERMINAL BLOCK
IC700,IC932	POWER MODULE	Q821	SWITCHING POWER TRANSISTOR	T801	TRANSFORMER
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	X64	RELAY
LED	LED	RT64	FIN TEMP. THERMISTOR		

MUZ-GL15NA-U1

OUTDOOR UNIT



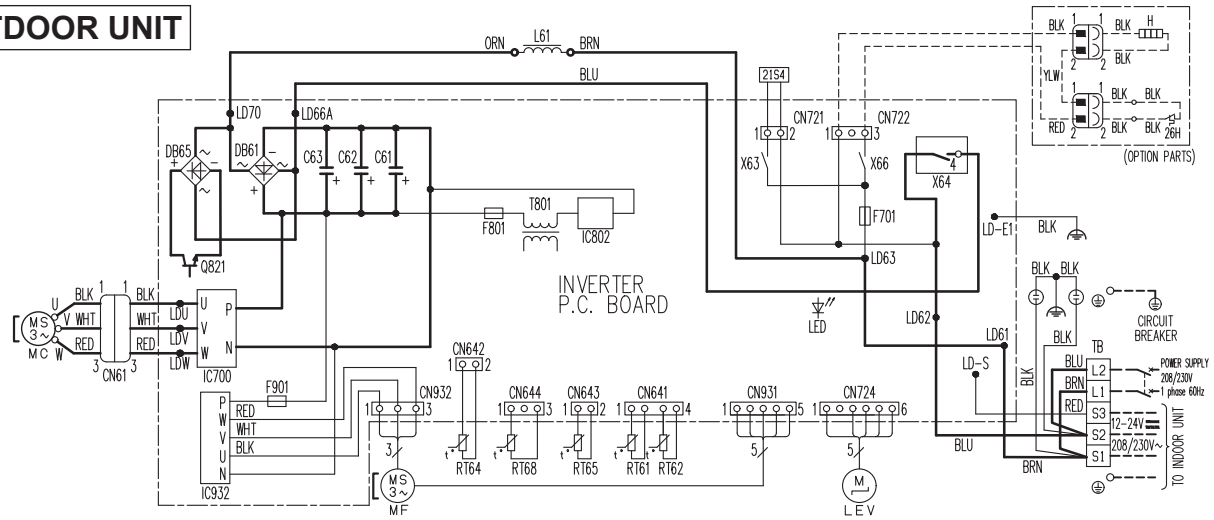
NOTES :
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, □□□□□ :Terminal block
   ⊡⊡⊡⊡⊡ :Connector

REMARQUES :
1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les significations suivantes, □□□□□ :Borne, ⊡⊡⊡⊡⊡ :Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
C61,C62,C63	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61	DIODE MODULE	MC	COMPRESSOR		
F701,F801,F901	FUSE (T3. 15AL250V)	MF	FAN MOTOR	TB	TERMINAL BLOCK
H	DEFROST HEATER	PTC64, PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
IC700,IC820,IC932	POWER MODULE	RT61	DEFROST THERMISTOR	X63, X64, X66	RELAY
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
LED	LED	RT64	FIN TEMP. THERMISTOR	26H	HEATER PROTECTOR
LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR		

MUZ-GL15NA-U2

OUTDOOR UNIT



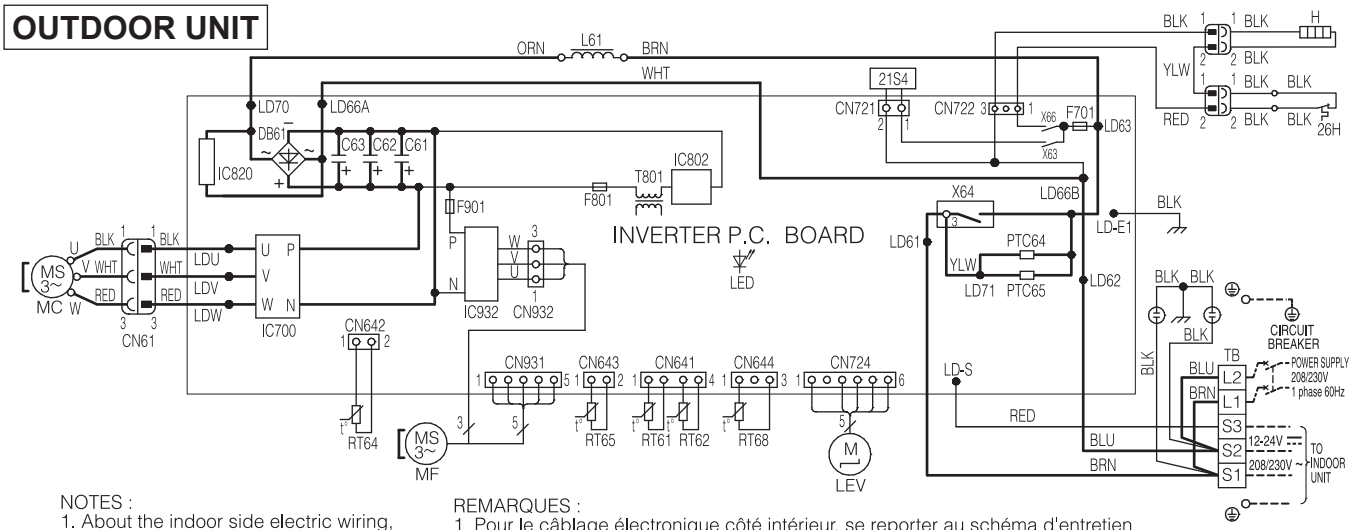
NOTES :
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, □□□ :Terminal block
   ⊡⊡⊡ :Connector

REMARQUES :
1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les significations suivantes, □□□ :Borne, ⊡⊡⊡ :Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
C61,C62,C63	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61,DB65	DIODE MODULE	MC	COMPRESSOR		
F701,F801,F901	FUSE (T3. 15AL250V)	MF	FAN MOTOR	TB	TERMINAL BLOCK
H	DEFROST HEATER (OPTION PARTS)	Q821	SWITCHING POWER TRANSISTOR	T801	TRANSFORMER
IC700,IC932	POWER MODULE	RT61	DEFROST THERMISTOR	X63, X64, X66	RELAY
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
LED	LED	RT64	FIN TEMP. THERMISTOR	26H	HEATER PROTECTOR (OPTION PARTS)

MUZ-GL15NAH-U1

OUTDOOR UNIT



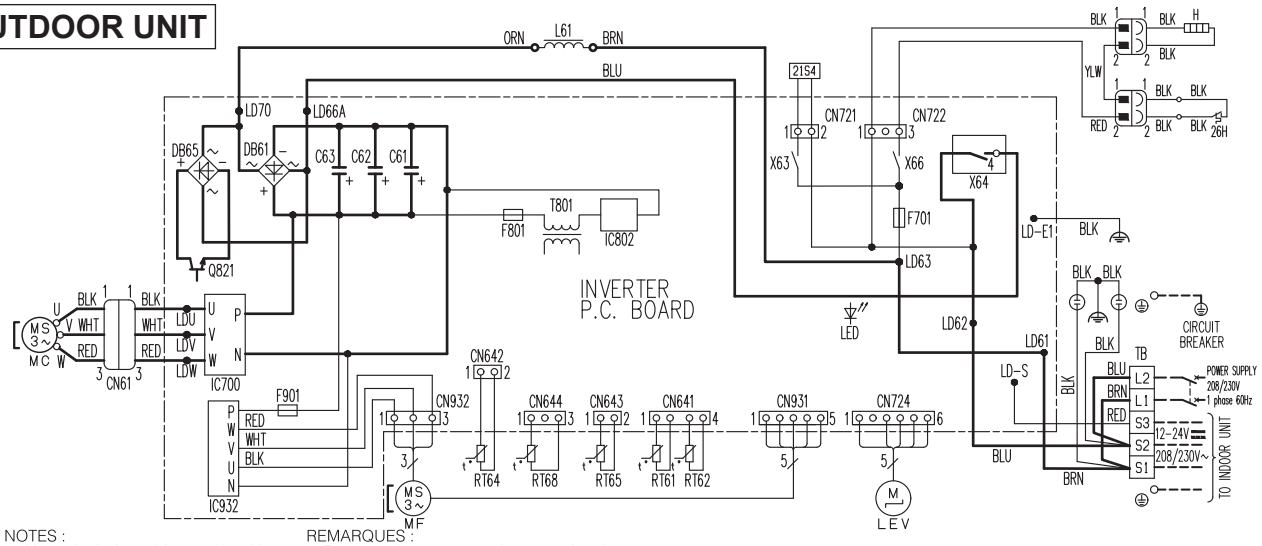
NOTES :
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, □□□□ :Terminal block
   ⊡⊡⊡⊡⊡ :Connector

REMARQUES :
1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les significations suivantes, □□□□ :Borne
   ⊡⊡⊡⊡⊡ :Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
C61,C62,C63	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61	DIODE MODULE	MC	COMPRESSOR		
F701,F801,F901	FUSE (T3. 15AL250V)	MF	FAN MOTOR	TB	TERMINAL BLOCK
H	DEFROST HEATER	PTC64, PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
IC700,IC820,IC932	POWER MODULE	RT61	DEFROST THERMISTOR	X63, X64, X66	RELAY
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
LED	LED	RT64	FIN TEMP. THERMISTOR	26H	HEATER PROTECTOR
LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR		

MUZ-GL15NAH-U2

OUTDOOR UNIT



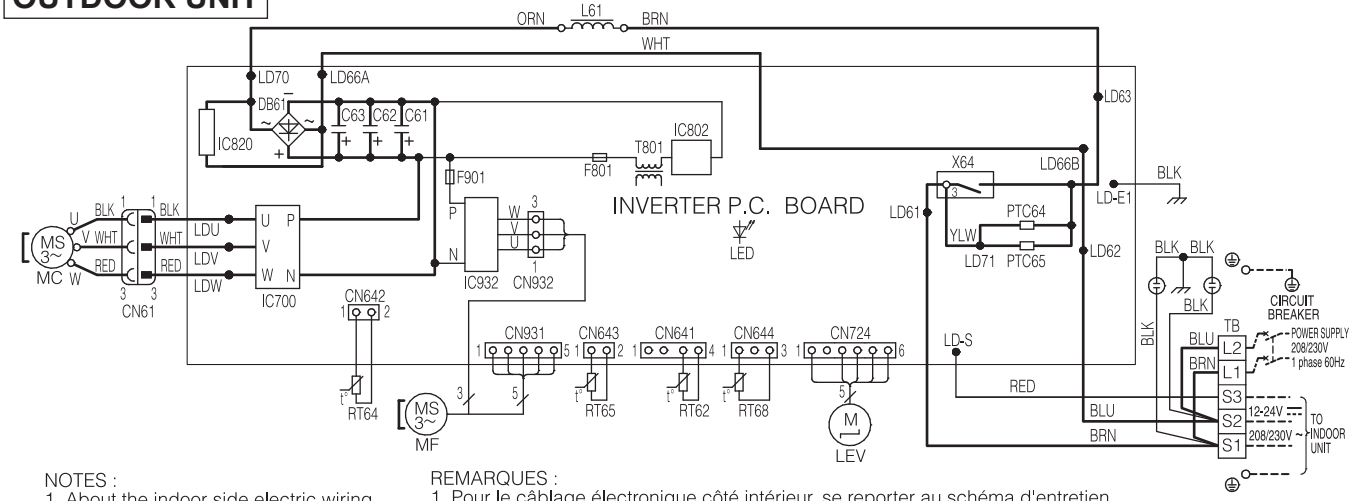
NOTES :
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, □□□ :Terminal block
   ⊡⊡⊡ :Connector

REMARQUES :
1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les significations suivantes, □□□ :Borne
   ⊡⊡⊡ :Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
C61,C62,C63	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61,DB65	DIODE MODULE	MC	COMPRESSOR		
F701,F801,F901	FUSE (T3. 15AL250V)	MF	FAN MOTOR	TB	TERMINAL BLOCK
H	DEFROST HEATER	Q821	SWITCHING POWER TRANSISTOR	T801	TRANSFORMER
IC700,IC932	POWER MODULE	RT61	DEFROST THERMISTOR	X63, X64, X66	RELAY
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
LED	LED	RT64	FIN TEMP. THERMISTOR	26H	HEATER PROTECTOR

MUY-GL15NA-U1

OUTDOOR UNIT



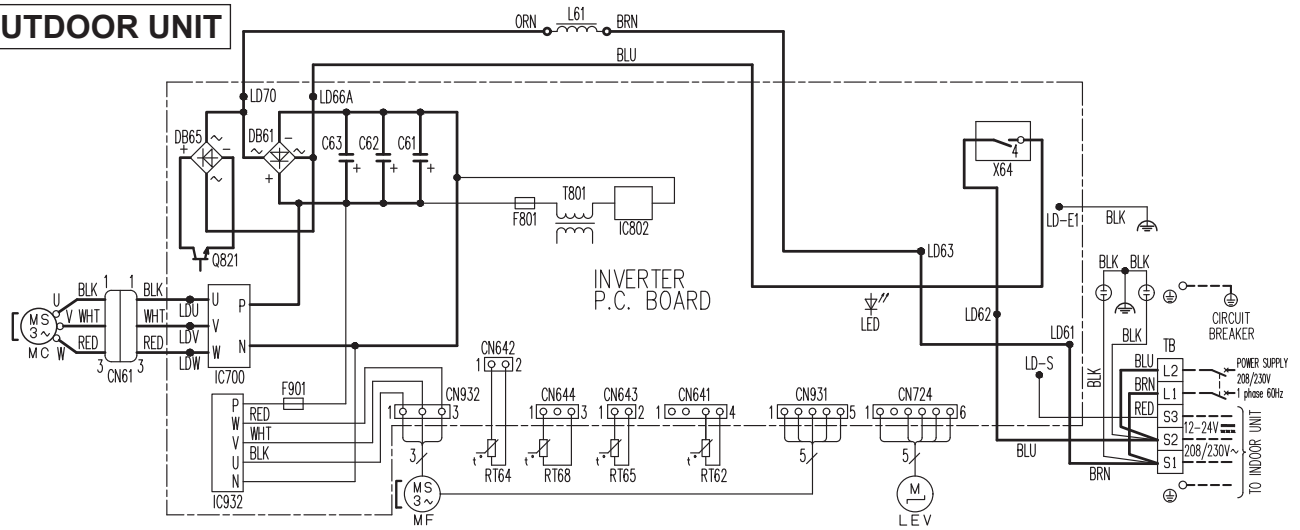
NOTES :
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, ⊏⊐⊏⊐⊏⊐ :Terminal block
   ⊙⊙⊙⊙⊙ :Connector

REMARQUES :
1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les significations suivantes, ⊏⊐⊏⊐⊏⊐ :Borne
   ⊙⊙⊙⊙⊙ :Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
C61,C62,C63	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61	DIODE MODULE	MC	COMPRESSOR		
F801,F901	FUSE (T3. 15AL250V)	MF	FAN MOTOR	TB	TERMINAL BLOCK
IC700,IC820,IC932	POWER MODULE	PTC64, PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	X64	RELAY
LED	LED	RT64	FIN TEMP. THERMISTOR		
LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR		

MUY-GL15NA-U2

OUTDOOR UNIT



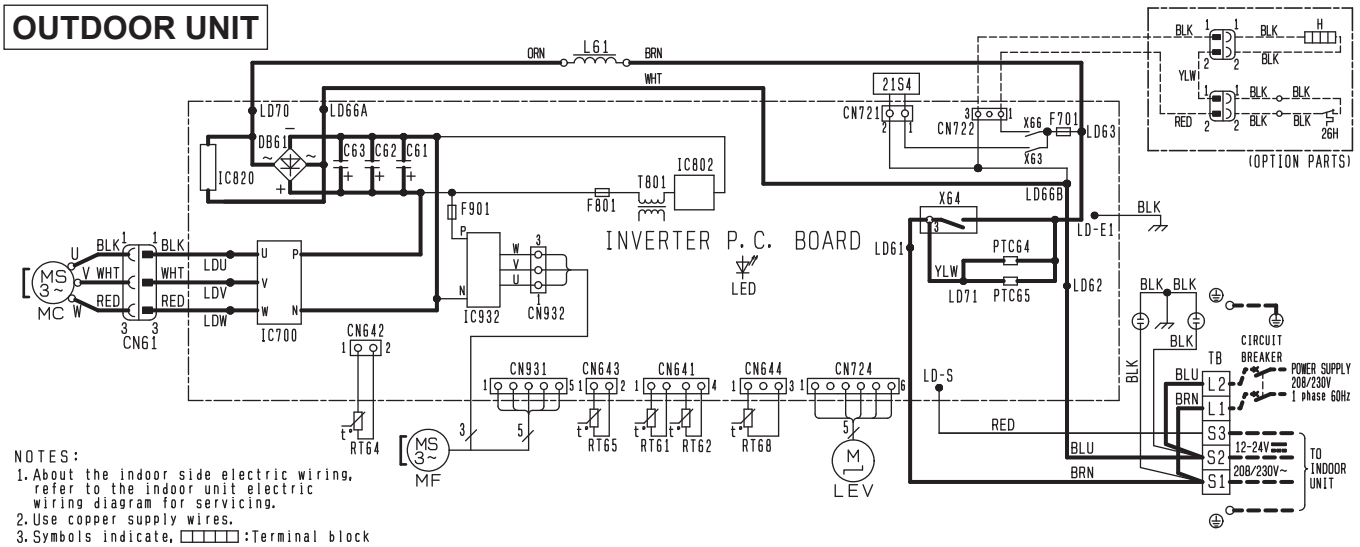
NOTES :
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, ⊏⊐⊏⊐ :Terminal block
   ⊙⊙⊙ :Connector

REMARQUES :
1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les ⊏⊐⊏⊐ :Borne
   significations suivantes, ⊙⊙⊙ :Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
C61,C62,C63	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61,DB65	DIODE MODULE	MC	COMPRESSOR		
F801,F901	FUSE (T3. 15AL250V)	MF	FAN MOTOR	TB	TERMINAL BLOCK
IC700,IC932	POWER MODULE	Q821	SWITCHING POWER TRANSISTOR	T801	TRANSFORMER
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	X64	RELAY
LED	LED	RT64	FIN TEMP. THERMISTOR		

MUZ-GL18NA

OUTDOOR UNIT



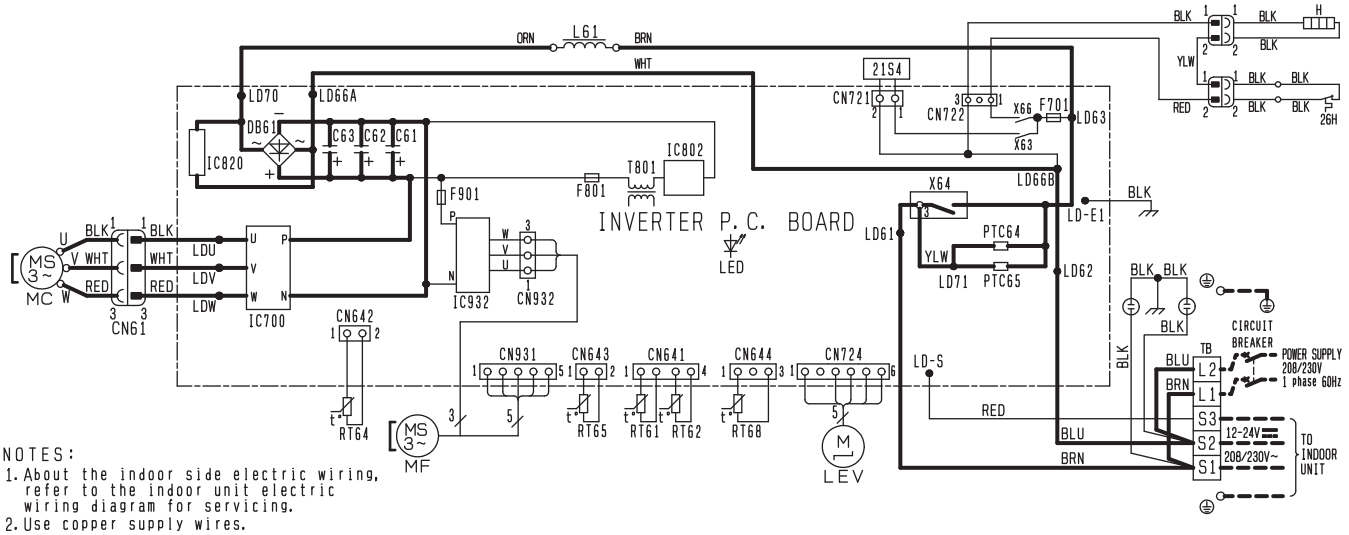
NOTES:
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, ⊏⊏⊏⊏⊐ :Terminal block
   ⊏○○○○⊐ :Connector

REMARQUES:
1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les significations suivantes, ⊏⊏⊏⊏⊐ :Borne
   ⊏○○○○⊐ :Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
C61, C62, C63	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR.
DB61	DIODE MODULE	MC	COMPRESSOR		
F701, F801, F901	FUSE (T3.15AL250V)	MF	FAN MOTOR	TB	TERMINAL BLOCK
H	DEFROST HEATER (OPTION PARTS)	PTC64, PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
IC700, IC820, IC932	POWER MODULE	RT61	DEFROST THERMISTOR	X63, X64, X66	RELAY
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
LED	LED	RT64	FIN TEMP. THERMISTOR	26H	HEATER PROTECTOR (OPTION PARTS)
LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR		

MUZ-GL18NAH

OUTDOOR UNIT



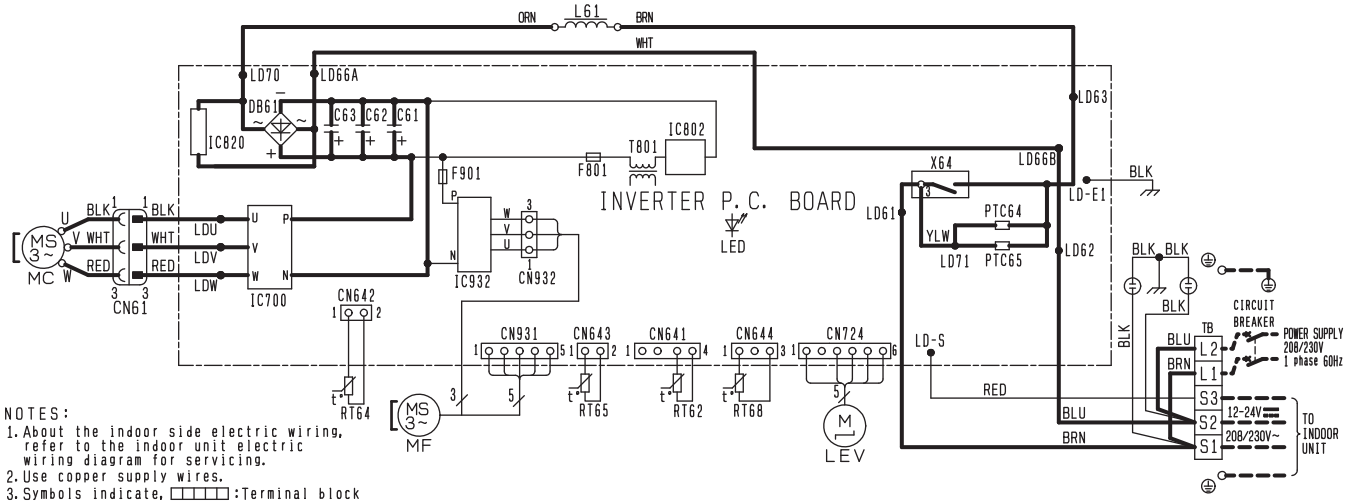
NOTES:
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, ⊏⊏⊏⊏⊐ :Terminal block
   ⊏○○○○⊐ :Connector

REMARQUES:
1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les significations suivantes, ⊏⊏⊏⊏⊐ :Borne
   ⊏○○○○⊐ :Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
C61, C62, C63	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR.
DB61	DIODE MODULE	MC	COMPRESSOR		
F701, F801, F901	FUSE (T3.15AL250V)	MF	FAN MOTOR	TB	TERMINAL BLOCK
H	DEFROST HEATER	PTC64, PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
IC700, IC820, IC932	POWER MODULE	RT61	DEFROST THERMISTOR	X63, X64, X66	RELAY
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
LED	LED	RT64	FIN TEMP. THERMISTOR	26H	HEATER PROTECTOR
LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR		

MUY-GL18NA

OUTDOOR UNIT



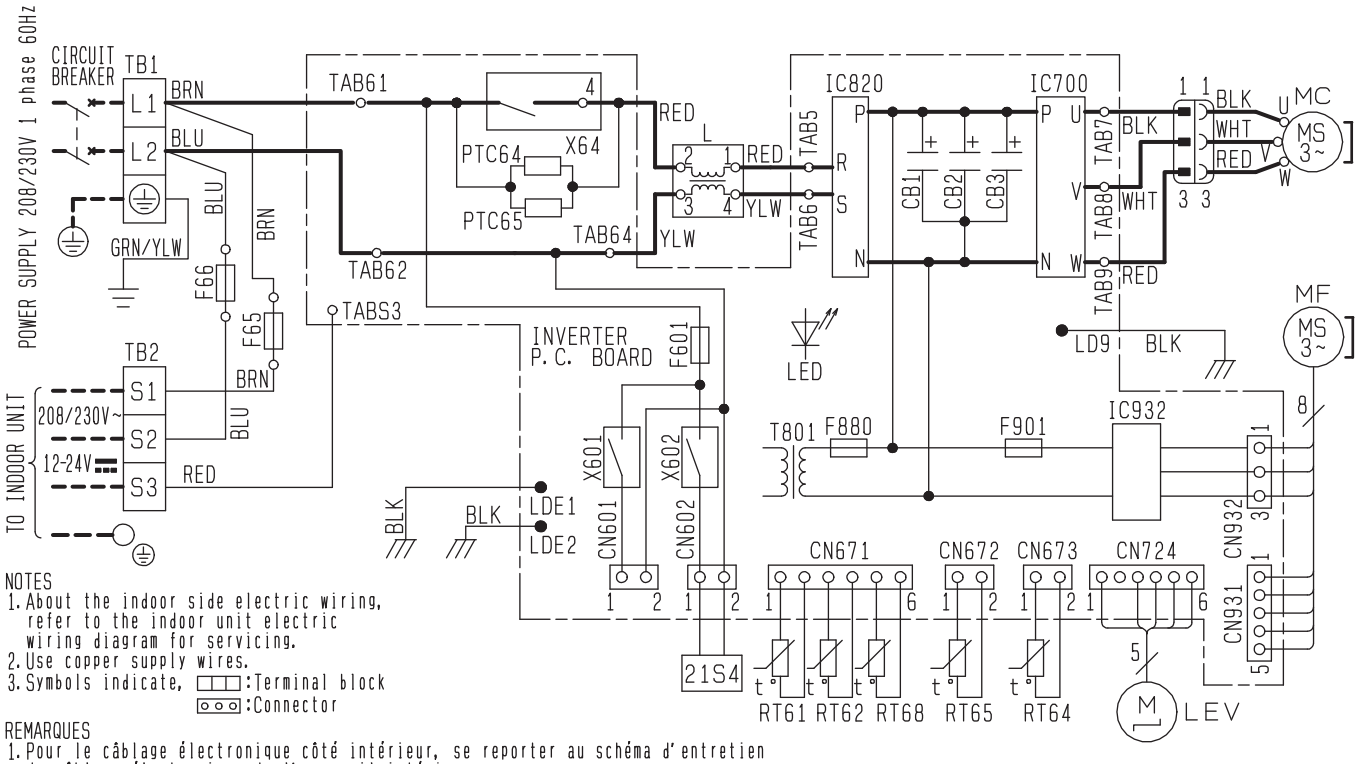
NOTES:
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, ☐☐☐☐☐ :Terminal block
   ⊡⊡⊡⊡⊡ :Connector

REMARQUES:
1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les significations suivantes, ☐☐☐☐☐ :Borne
   ⊡⊡⊡⊡⊡ :Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
C61, C62, C63	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR.
DB61	DIODE MODULE	MC	COMPRESSOR		
F801, F901	FUSE (T3.15AL250V)	MF	FAN MOTOR	TB	TERMINAL BLOCK
IC700, IC820, IC932	POWER MODULE	PTC64, PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	X64	RELAY
LED	LED	RT64	FIN TEMP. THERMISTOR		
LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR		

MUZ-GL24NA

OUTDOOR UNIT



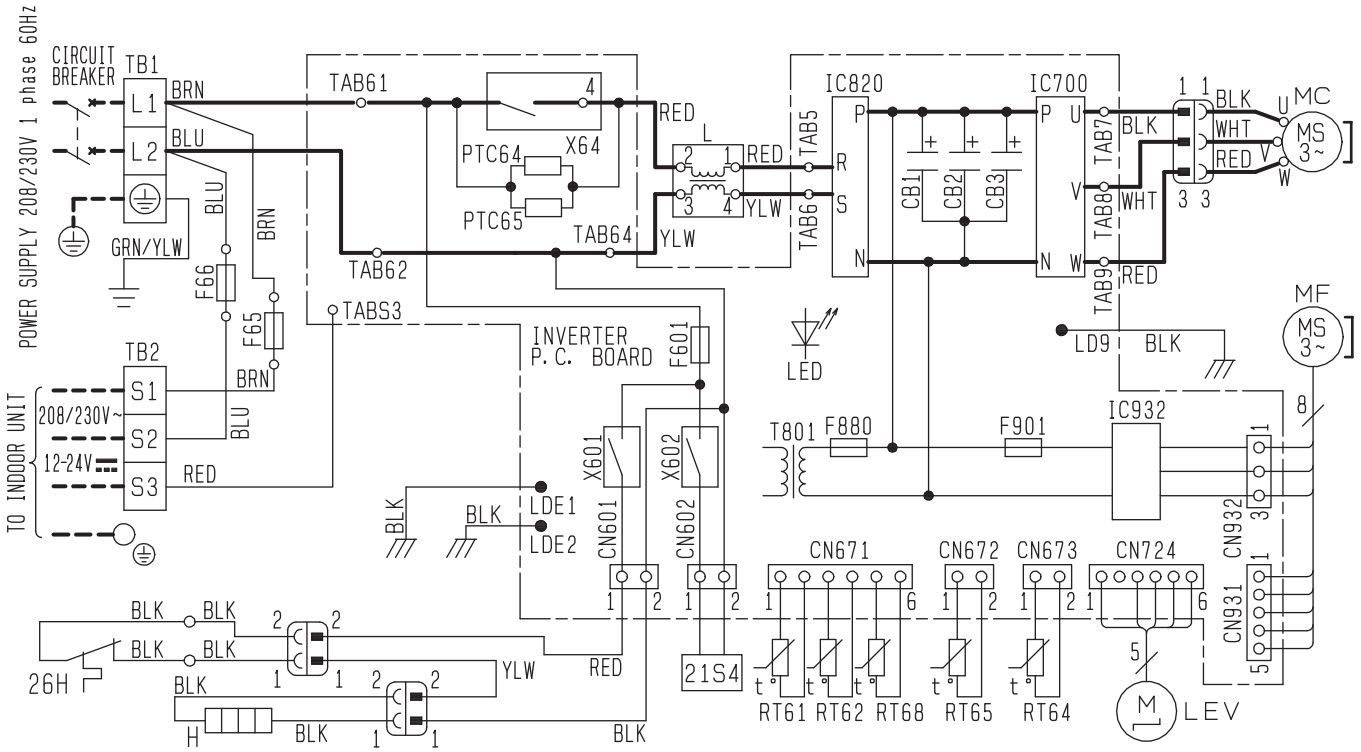
NOTES
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, □□□:Terminal block, ⊙⊙⊙:Connector

REMARQUES
1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les significations suivantes, □□□:Borne ⊙⊙⊙:Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	LED	LED	RT65	AMBIENT TEMP. THERMISTOR
F65, F66	FUSE (T6.3AL250V)	LEV	EXPANSION VALVE COIL	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
F601	FUSE (T3.15AL250V)	MC	COMPRESSOR		
F880	FUSE (T3.15AL250V)	MF	FAN MOTOR	TB1, TB2	TERMINAL BLOCK
F901	FUSE (T3.15AL250V)	PTC64	CIRCUIT PROTECTION	T801	TRANSFORMER
IC700	IGBT Module	PTC65	CIRCUIT PROTECTION	X601	RELAY
IC820	DIODE Module	RT61	DEFROST THERMISTOR	X602	RELAY
IC932	IGBT Module	RT62	DISCHARGE TEMP. THERMISTOR	X64	RELAY
L	REACTOR	RT64	FIN TEMP. THERMISTOR	21S4	REVERSING VALVE COIL

MUZ-GL24NAH

OUTDOOR UNIT



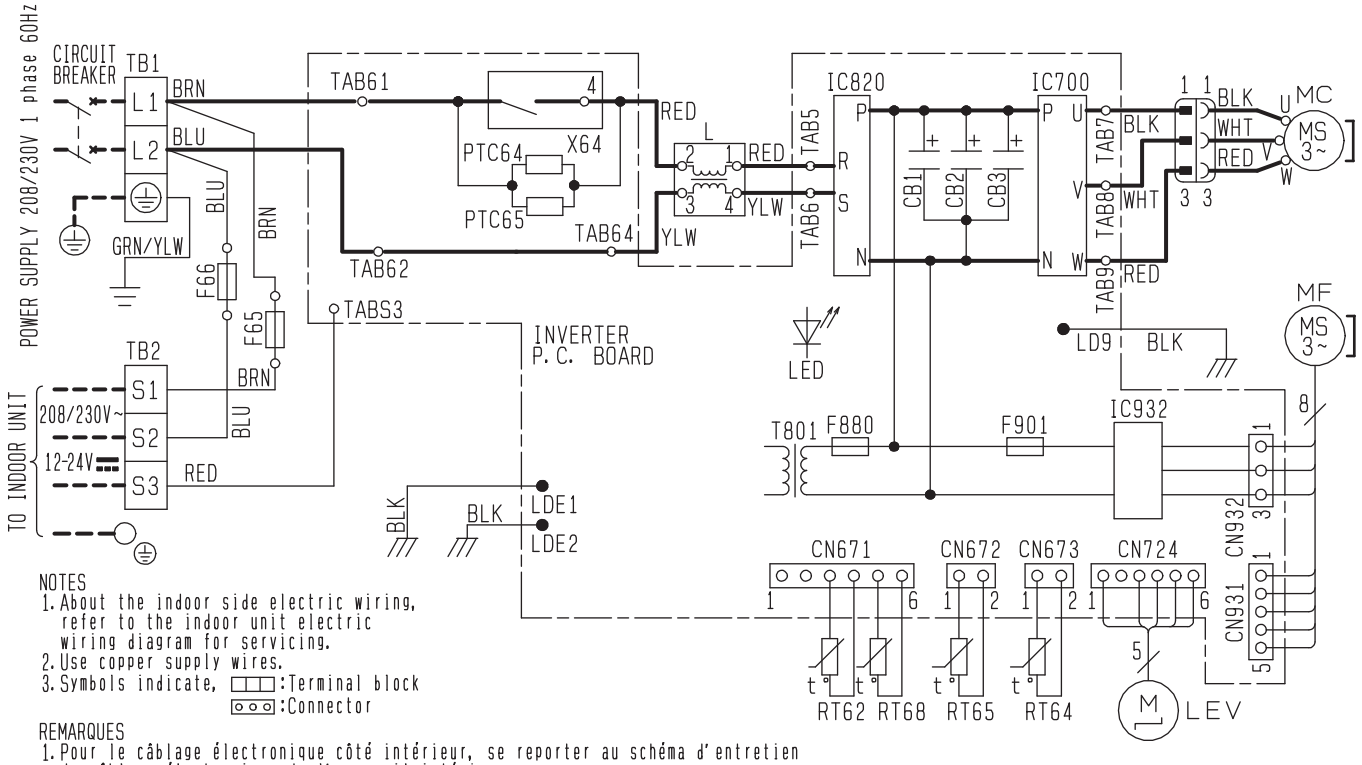
NOTES
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, ☐☐☐:Terminal block, ⊙⊙⊙:Connector

REMARQUES
1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les significations suivantes, ☐☐☐:Borne ⊙⊙⊙:Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	LED	LED	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
F65, F66	FUSE (T6.3AL250V)	LEV	EXPANSION VALVE COIL		
F601	FUSE (T3.15AL250V)	MC	COMPRESSOR	TB1, TB2	TERMINAL BLOCK
F880	FUSE (T3.15AL250V)	MF	FAN MOTOR	T801	TRANSFORMER
F901	FUSE (T3.15AL250V)	PTC64	CIRCUIT PROTECTION	X601	RELAY
H	DEFROST HEATER	PTC65	CIRCUIT PROTECTION	X602	RELAY
IC700	IGBT Module	RT61	DEFROST THERMISTOR	X64	RELAY
IC820	DIODE Module	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
IC932	IGBT Module	RT64	FIN TEMP. THERMISTOR	26H	HEATER PROTECTOR
L	REACTOR	RT65	AMBIENT TEMP. THERMISTOR		

MUY-GL24NA

OUTDOOR UNIT



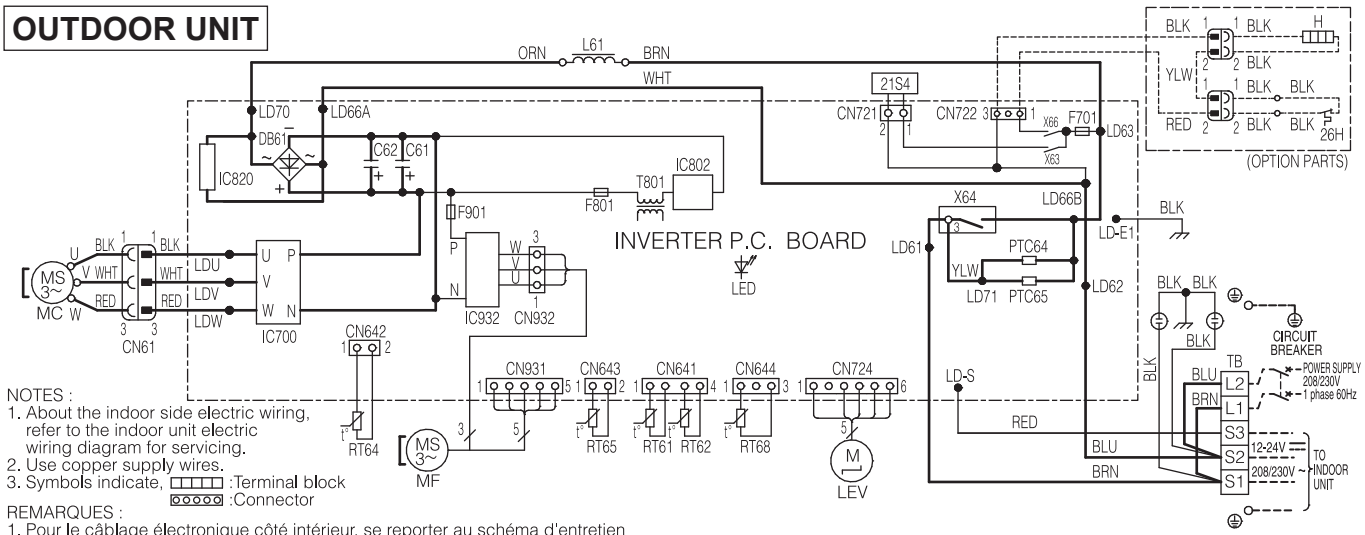
NOTES
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, ⊏⊐⊏⊐:Terminal block ⊙⊙⊙:Connector

REMARQUES
1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les significations suivantes, ⊏⊐⊏⊐:Borne ⊙⊙⊙:Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	LED	LED	RT64	FIN TEMP. THERMISTOR
F65, F66	FUSE (T6.3AL250V)	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
F880	FUSE (T3.15AL250V)	MC	COMPRESSOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
F901	FUSE (T3.15AL250V)	MF	FAN MOTOR		
IC700	IGBT Module	PTC64	CIRCUIT PROTECTION	TB1, TB2	TERMINAL BLOCK
IC820	DIODE Module	PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
IC932	IGBT Module	RT62	DISCHARGE TEMP. THERMISTOR	X64	RELAY
L	REACTOR				

MUZ-HM09NA-U1 MUZ-HM12NA-U1

OUTDOOR UNIT



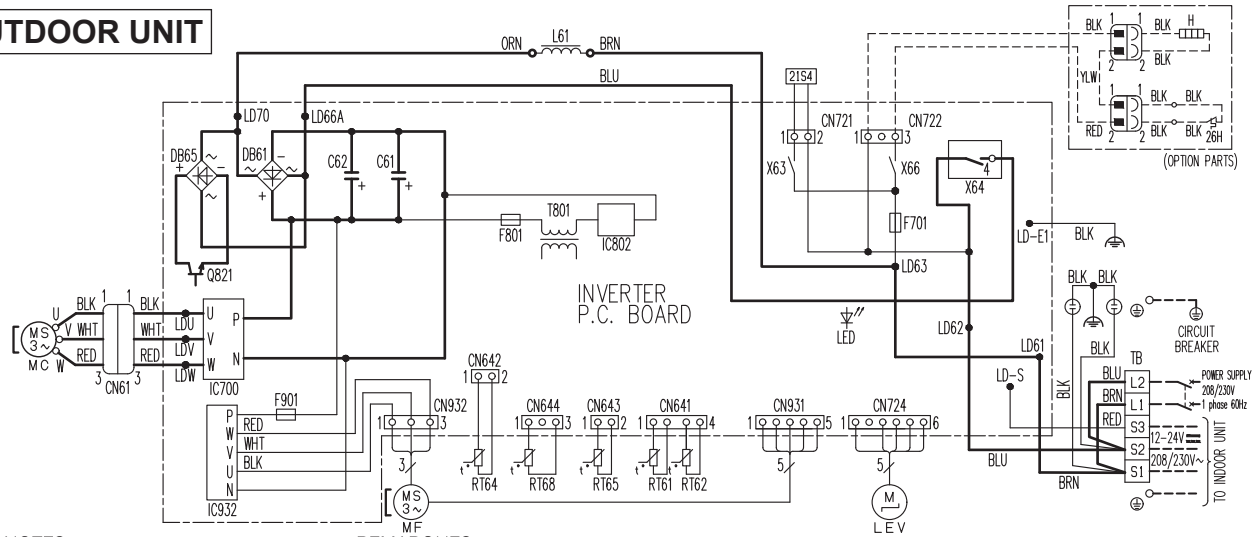
NOTES :
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, ☐☐☐ :Terminal block
   ⊙⊙⊙⊙⊙ :Connector

REMARQUES :
1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les ☐☐☐ :Borne significations suivantes, ⊙⊙⊙⊙⊙ :Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
C61,C62	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61	DIODE MODULE	MC	COMPRESSOR		
F701,F801,F901	FUSE (T3. 15AL250V)	MF	FAN MOTOR	TB	TERMINAL BLOCK
H	DEFROST HEATER(OPTION PARTS)	PTC64, PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
IC700,IC820,IC932	POWER MODULE	RT61	DEFROST THERMISTOR	X63, X64, X66	RELAY
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
LED	LED	RT64	FIN TEMP. THERMISTOR	26H	HEATER PROTECTOR(OPTION PARTS)
LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR		

MUZ-HM09NA-U2 MUZ-HM12NA-U2

OUTDOOR UNIT



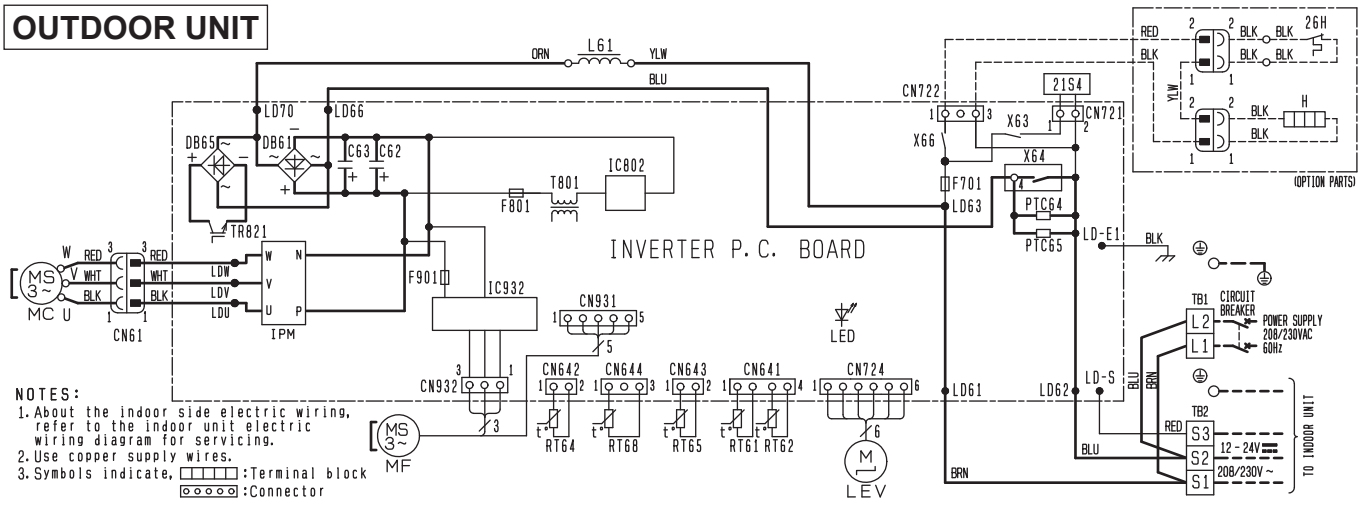
NOTES :
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, ☐☐☐ :Terminal block
   ⊙⊙⊙ :Connector

REMARQUES :
1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les ☐☐☐ :Borne significations suivantes, ⊙⊙⊙ :Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
C61,C62	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61,DB65	DIODE MODULE	MC	COMPRESSOR		
F701,F801,F901	FUSE (T3. 15AL250V)	MF	FAN MOTOR	TB	TERMINAL BLOCK
H	DEFROST HEATER (OPTION PARTS)	Q821	SWITCHING POWER TRANSISTOR	T801	TRANSFORMER
IC700,IC932	POWER MODULE	RT61	DEFROST THERMISTOR	X63, X64, X66	RELAY
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
LED	LED	RT64	FIN TEMP. THERMISTOR	26H	HEATER PROTECTOR (OPTION PARTS)

MUZ-HM09NA-U8 MUZ-HM12NA-U8

OUTDOOR UNIT



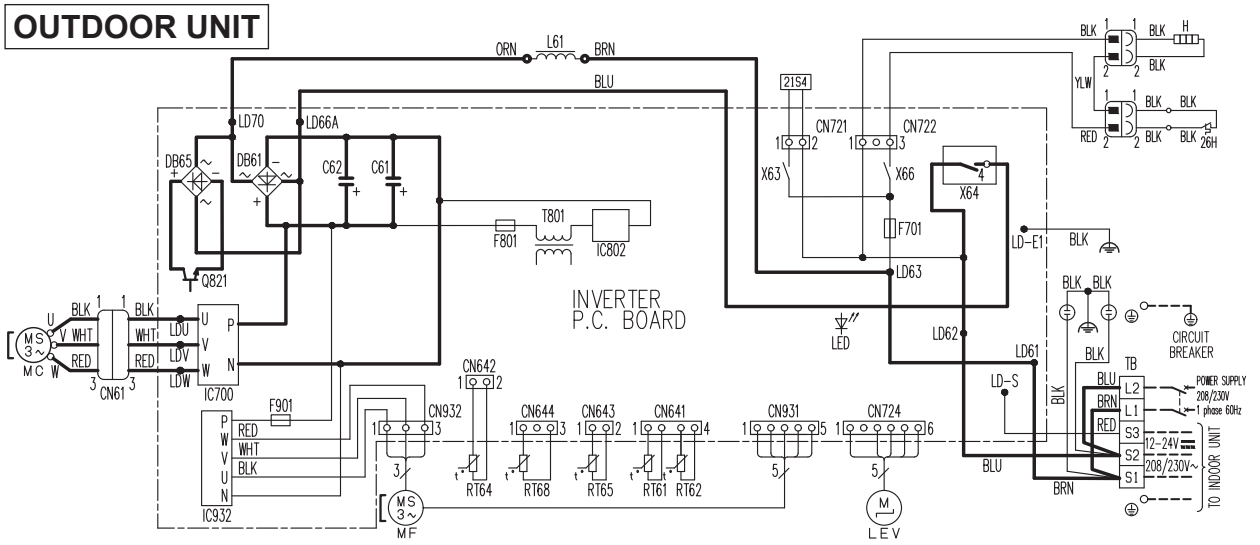
NOTES:
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, □□□□□ :Terminal block, ○○○○○ :Connector

REMARQUES:
1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les significations suivantes, □□□□□ :Borne, ○○○○○ :Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
C62, C63	SMOOTHING CAPACITOR	LEV	EXPANSION VALVE COIL	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR.
DB61, DB65	DIODE MODULE	MC	COMPRESSOR		
F701, F801, F901	FUSE (T3.15AL250V)	MF	FAN MOTOR	TB1, TB2	TERMINAL BLOCK
H	DEFROST HEATER(OPTION PARTS)	PTC64, PTC65	CIRCUIT PROTECTION	TR821	SWITCHING POWER TRANSISTOR
IC802	POWER DEVICE	RT61	DEFROST THERMISTOR	T801	TRANSFORMER
IPM, IC932	POWER MODULE	RT62	DISCHARGE TEMP. THERMISTOR	X63, X64, X66	RELAY
L61	REACTOR	RT64	FIN TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
LED	LED	RT65	AMBIENT TEMP. THERMISTOR	26H	HEATER PROTECTOR(OPTION PARTS)

MUZ-HM09NAH MUZ-HM12NAH

OUTDOOR UNIT



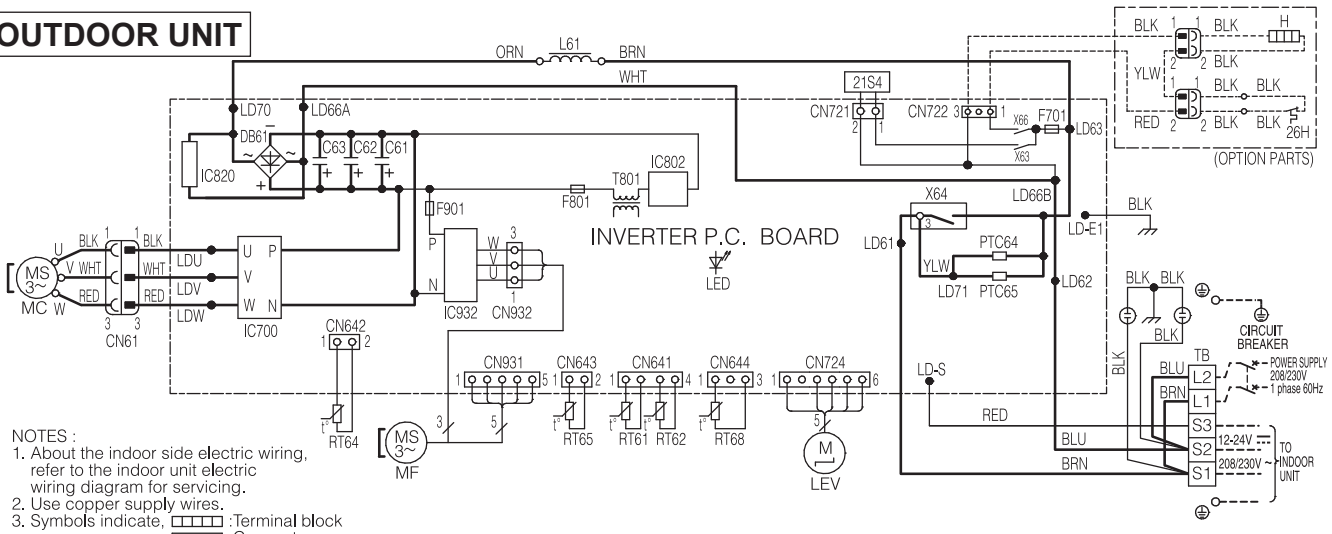
REMARQUES :
1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les significations suivantes, □□□ :Borne, ○○○ :Connecteur

NOTES :
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, □□□ :Terminal block, ○○○ :Connector

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
C61,C62	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61,DB65	DIODE MODULE	MC	COMPRESSOR		
F701,F801,F901	FUSE (T3.15AL250V)	MF	FAN MOTOR	TB	TERMINAL BLOCK
H	DEFROST HEATER	Q821	SWITCHING POWER TRANSISTOR	T801	TRANSFORMER
IC700,IC932	POWER MODULE	RT61	DEFROST THERMISTOR	X63, X64, X66	RELAY
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
LED	LED	RT64	FIN TEMP. THERMISTOR	26H	HEATER PROTECTOR

MUZ-HM15NA-U1 MUZ-HM18NA-U1

OUTDOOR UNIT



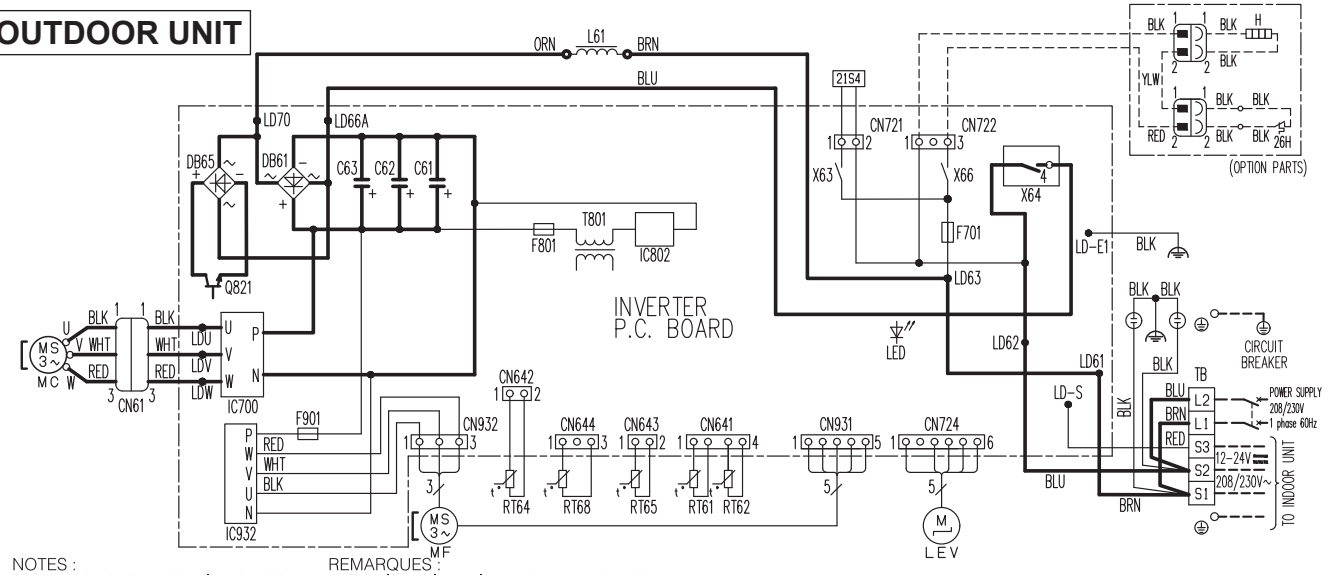
NOTES :
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, □□□□□ :Terminal block
   ⊡⊡⊡⊡⊡ :Connector

REMARQUES :
1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les significations suivantes, □□□□□ :Borne
   ⊡⊡⊡⊡⊡ :Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
C61,C62,C63	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61	DIODE MODULE	MC	COMPRESSOR		
F701,F801,F901	FUSE (T3. 15AL250V)	MF	FAN MOTOR	TB	TERMINAL BLOCK
H	DEFROST HEATER(OPTION PARTS)	PTC64, PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
IC700,IC820,IC932	POWER MODULE	RT61	DEFROST THERMISTOR	X63, X64, X66	RELAY
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
LED	LED	RT64	FIN TEMP. THERMISTOR	26H	HEATER PROTECTOR(OPTION PARTS)
LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR		

MUZ-HM15NA-U2 MUZ-HM18NA-U2

OUTDOOR UNIT



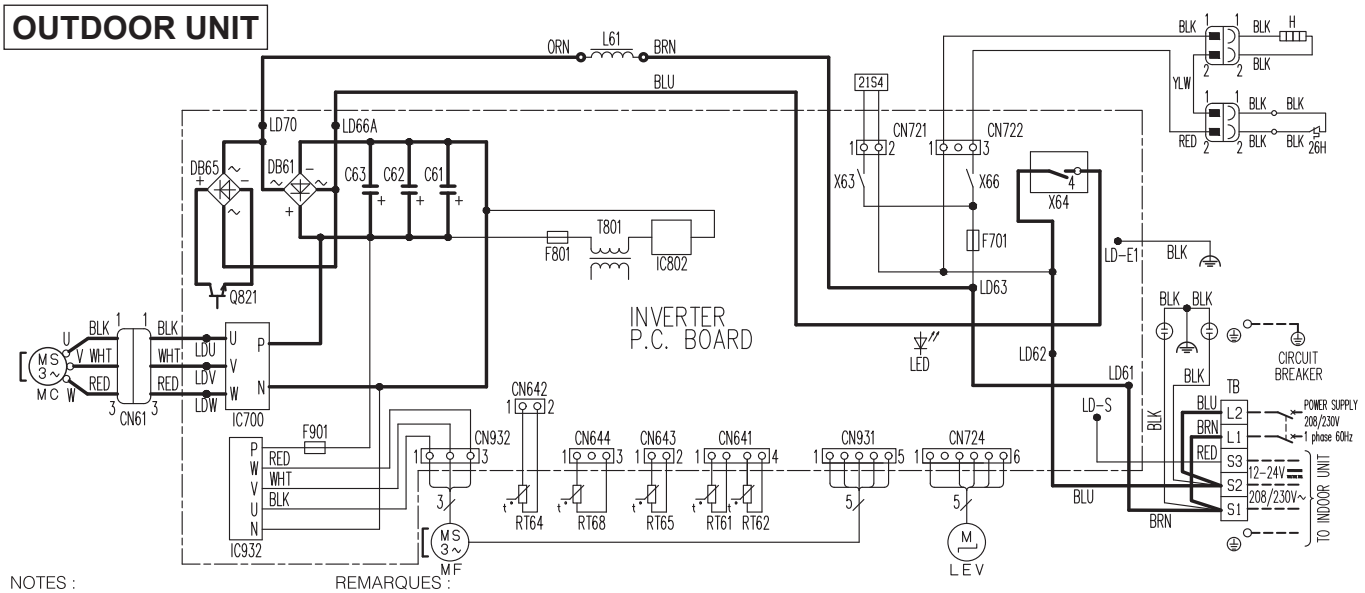
NOTES :
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, □□□ :Terminal block
   ⊡⊡⊡ :Connector

REMARQUES :
1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les significations suivantes, □□□ :Borne
   ⊡⊡⊡ :Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
C61,C62,C63	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61,DB65	DIODE MODULE	MC	COMPRESSOR		
F701,F801,F901	FUSE (T3. 15AL250V)	MF	FAN MOTOR	TB	TERMINAL BLOCK
H	DEFROST HEATER (OPTION PARTS)	Q821	SWITCHING POWER TRANSISTOR	T801	TRANSFORMER
IC700,IC932	POWER MODULE	RT61	DEFROST THERMISTOR	X63, X64, X66	RELAY
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
LED	LED	RT64	FIN TEMP. THERMISTOR	26H	HEATER PROTECTOR (OPTION PARTS)

MUZ-HM15NAH MUZ-HM18NAH

OUTDOOR UNIT



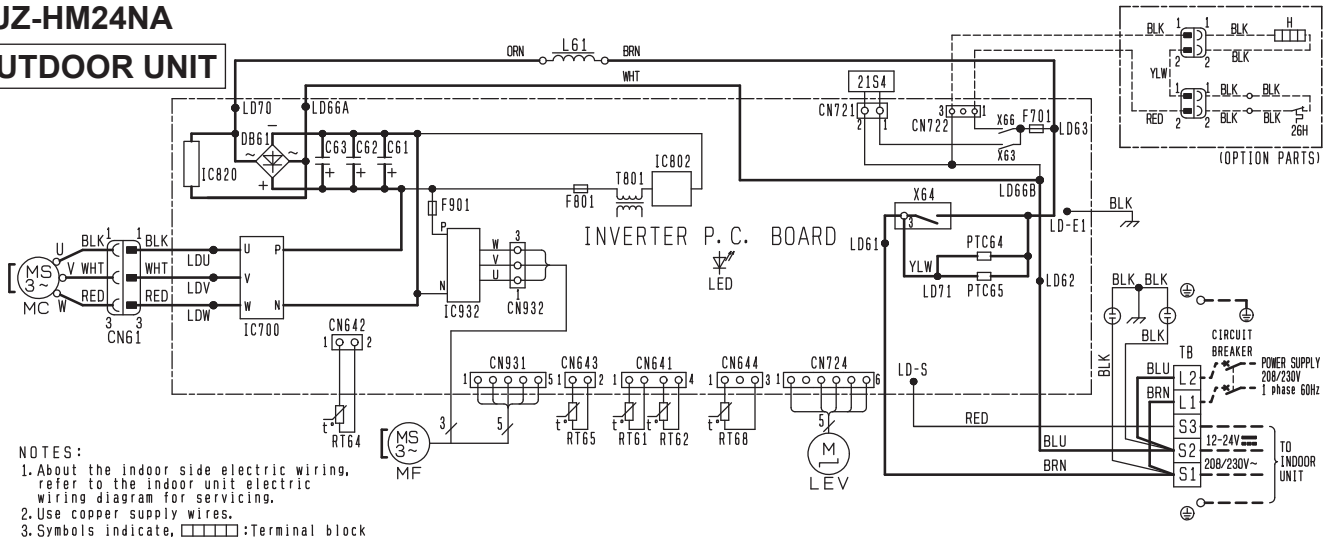
NOTES :
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, ▭ :Terminal block ▭ :Connector

REMARQUES :
1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les ▭ :Borne significations suivantes, ▭ :Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
C61,C62,C63	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61,DB65	DIODE MODULE	MC	COMPRESSOR		
F701,F801,F901	FUSE (T3. 15AL250V)	MF	FAN MOTOR	TB	TERMINAL BLOCK
H	DEFROST HEATER	Q821	SWITCHING POWER TRANSISTOR	T801	TRANSFORMER
IC700,IC932	POWER MODULE	RT61	DEFROST THERMISTOR	X63, X64, X66	RELAY
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
LED	LED	RT64	FIN TEMP. THERMISTOR	26H	HEATER PROTECTOR

MUZ-HM24NA

OUTDOOR UNIT



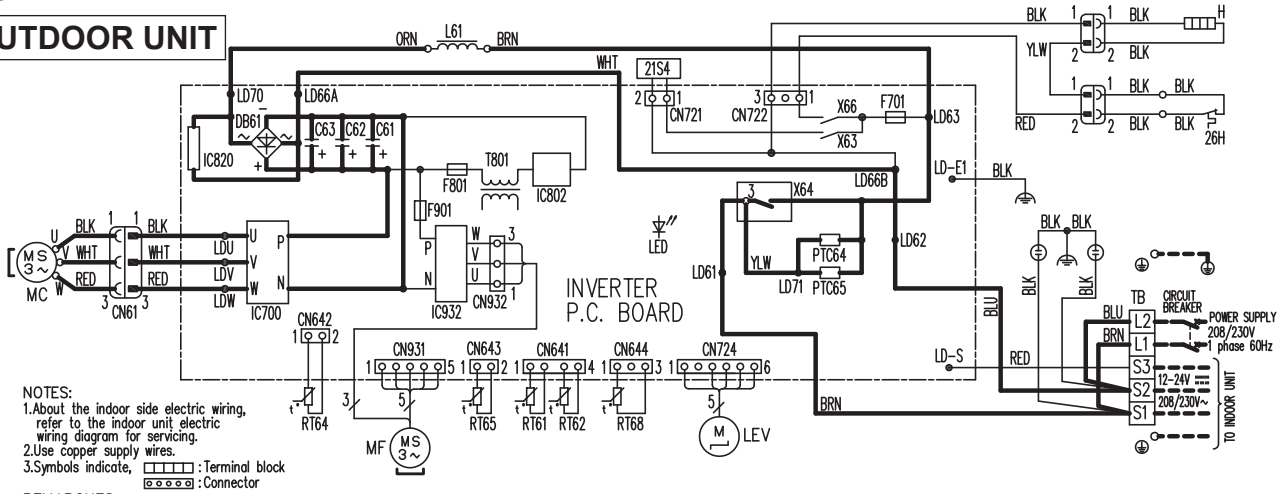
NOTES:
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, ▭▭▭ :Terminal block
   ▭▭▭ :Connector

REMARQUES:
1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les significations suivantes, ▭▭▭ :Borne ▭▭▭ :Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
C61, C62, C63	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR.
DB61	DIODE MODULE	MC	COMPRESSOR		
F701, F801, F901	FUSE (T3.15AL250V)	MF	FAN MOTOR	TB	TERMINAL BLOCK
H	DEFROST HEATER (OPTION PARTS)	PTC64, PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
IC700, IC820, IC932	POWER MODULE	RT61	DEFROST THERMISTOR	X63, X64, X66	RELAY
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
LED	LED	RT64	FIN TEMP. THERMISTOR	26H	HEATER PROTECTOR (OPTION PARTS)
LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR		

MUZ-HM24NAH

OUTDOOR UNIT



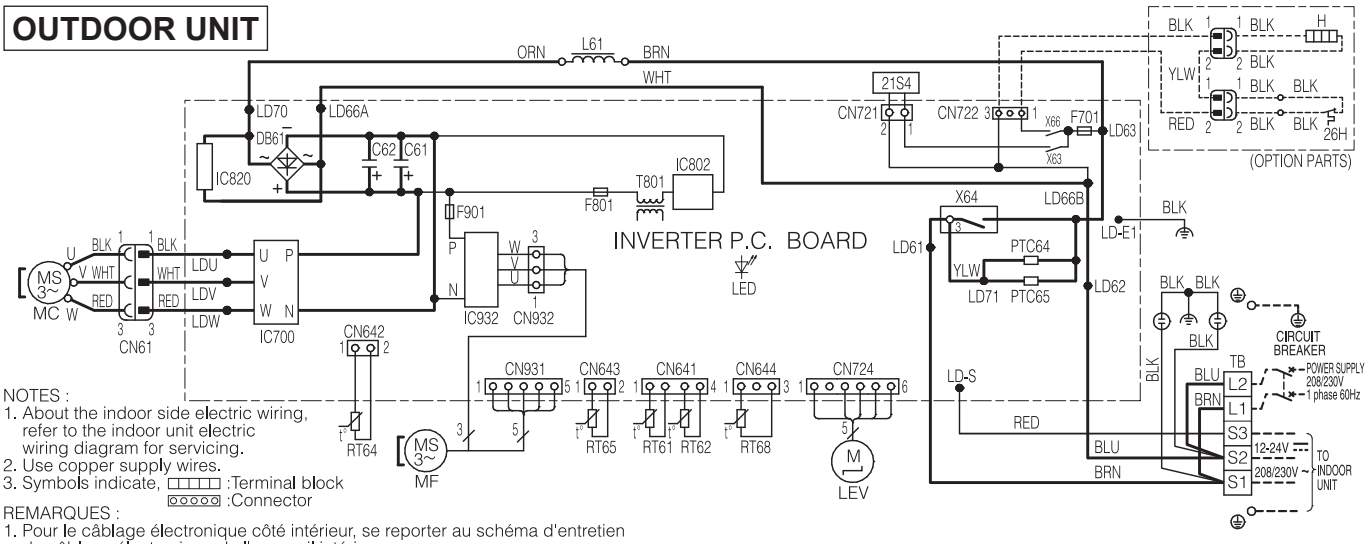
NOTES:
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, ▭▭▭ :Terminal block
   ▭▭▭ :Connector

REMARQUES:
1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les significations suivantes, ▭▭▭ :Borne ▭▭▭ :Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
C61, C62, C63	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61	DIODE MODULE	MC	COMPRESSOR		
F701, F801, F901	FUSE (T3.15AL250V)	MF	FAN MOTOR	TB	TERMINAL BLOCK
H	DEFROST HEATER	PTC64, PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
IC700, IC820, IC932	POWER MODULE	RT61	DEFROST THERMISTOR	X63, X64, X66	RELAY
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
LED	LED	RT64	FIN TEMP. THERMISTOR	26H	HEATER PROTECTOR

MUZ-WR09NA-U1 MUZ-WR12NA-U1

OUTDOOR UNIT



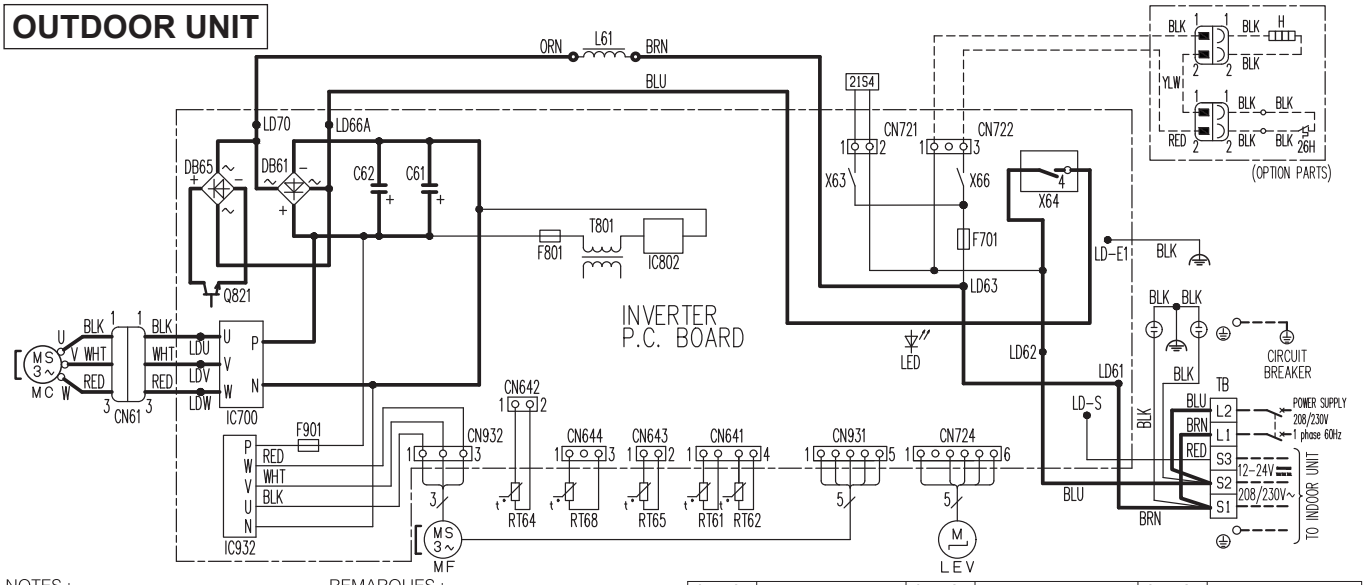
NOTES :
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, ▭▭▭ :Terminal block
   ▭▭▭ :Connector

REMARQUES :
1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les ▭▭▭ :Borne significations suivantes, ▭▭▭ :Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
C61,C62	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61	DIODE MODULE	MC	COMPRESSOR		
F701,F801,F901	FUSE (T3. 15AL250V)	MF	FAN MOTOR	TB	TERMINAL BLOCK
H	DEFROST HEATER(OPTION PARTS)	PTC64, PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
IC700,IC820,IC932	POWER MODULE	RT61	DEFROST THERMISTOR	X63, X64, X66	RELAY
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
LED	LED	RT64	FIN TEMP. THERMISTOR	26H	HEATER PROTECTOR(OPTION PARTS)

MUZ-WR09NA-U2 MUZ-WR12NA-U2

OUTDOOR UNIT



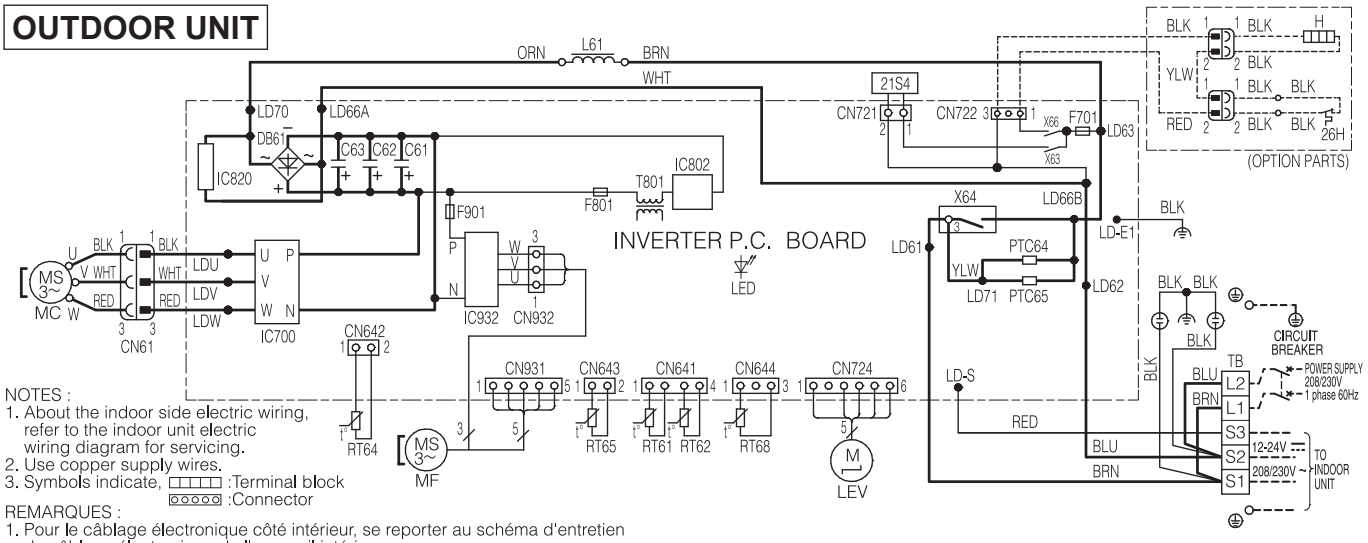
NOTES :
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, ▭▭▭ :Terminal block
   ▭▭▭ :Connector

REMARQUES :
1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les ▭▭▭ :Borne significations suivantes, ▭▭▭ :Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
C61,C62	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61,DB65	DIODE MODULE	MC	COMPRESSOR		
F701,F801,F901	FUSE (T3. 15AL250V)	MF	FAN MOTOR	TB	TERMINAL BLOCK
H	DEFROST HEATER (OPTION PARTS)	Q821	SWITCHING POWER TRANSISTOR	T801	TRANSFORMER
IC700,IC932	POWER MODULE	RT61	DEFROST THERMISTOR	X63, X64, X66	RELAY
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
LED	LED	RT64	FIN TEMP. THERMISTOR	26H	HEATER PROTECTOR (OPTION PARTS)

MUZ-WR18NA-U1

OUTDOOR UNIT



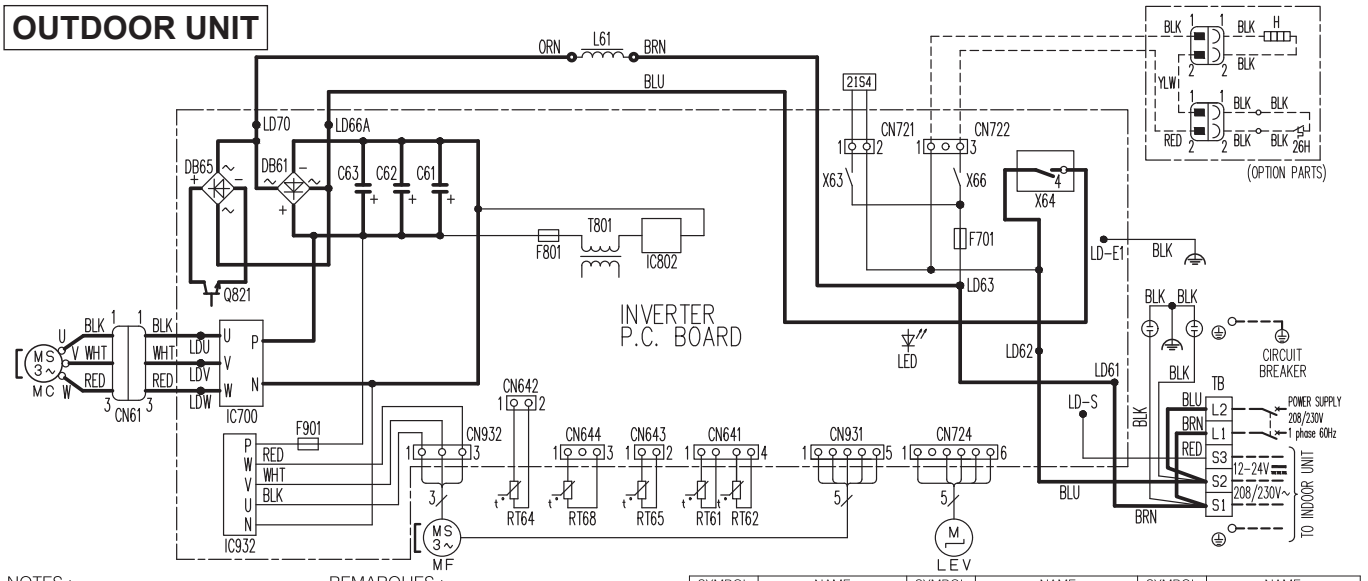
NOTES :
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, ⊏⊏⊏⊐ :Terminal block
   ⊏○○○○⊐ :Connector

REMARQUES :
1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les ⊏⊏⊏⊐ :Borne significations suivantes, ⊏○○○○⊐ :Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
C61,C62,C63	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61	DIODE MODULE	MC	COMPRESSOR		
F701,F801,F901	FUSE (T3. 15AL250V)	MF	FAN MOTOR	TB	TERMINAL BLOCK
H	DEFROST HEATER(OPTION PARTS)	PTC64, PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
IC700,IC820,IC932	POWER MODULE	RT61	DEFROST THERMISTOR	X63, X64, X66	RELAY
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
LED	LED	RT64	FIN TEMP. THERMISTOR	26H	HEATER PROTECTOR(OPTION PARTS)

MUZ-WR18NA-U2

OUTDOOR UNIT



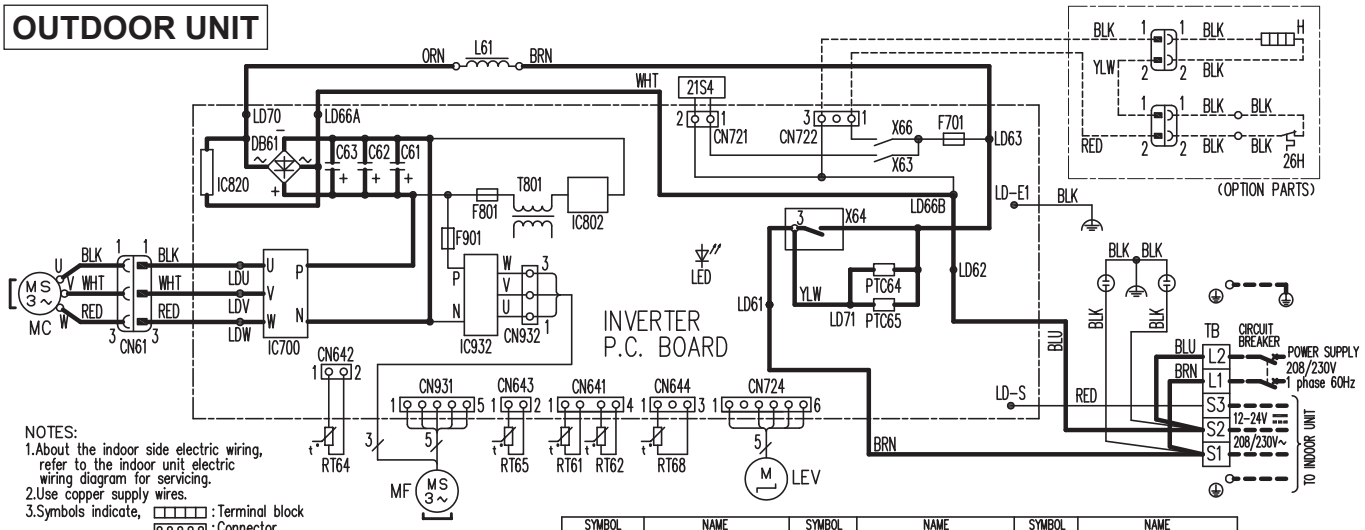
NOTES :
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, ⊏⊏⊏⊐ :Terminal block
   ⊏○○○⊐ :Connector

REMARQUES :
1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les ⊏⊏⊏⊐ :Borne significations suivantes, ⊏○○○⊐ :Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
C61,C62,C63	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61,DB65	DIODE MODULE	MC	COMPRESSOR		
F701,F801,F901	FUSE (T3. 15AL250V)	MF	FAN MOTOR	TB	TERMINAL BLOCK
H	DEFROST HEATER (OPTION PARTS)	Q821	SWITCHING POWER TRANSISTOR	T801	TRANSFORMER
IC700,IC932	POWER MODULE	RT61	DEFROST THERMISTOR	X63, X64, X66	RELAY
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
LED	LED	RT64	FIN TEMP. THERMISTOR	26H	HEATER PROTECTOR (OPTION PARTS)

MUZ-WR24NA

OUTDOOR UNIT



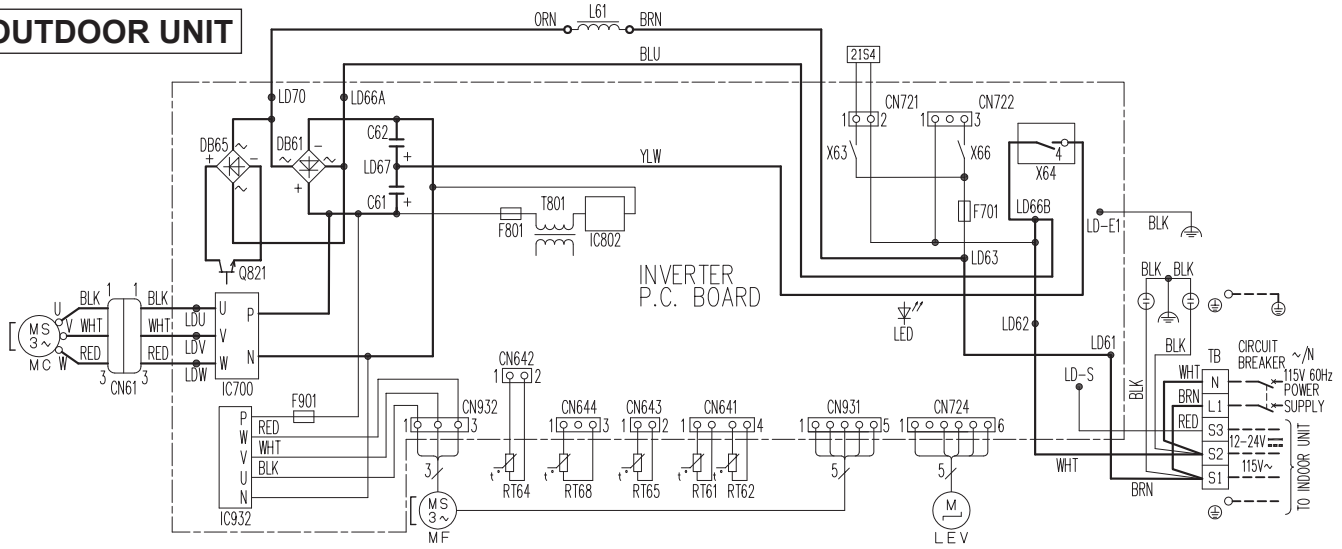
NOTES:
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, : Terminal block, : Connector

REMARQUES:
1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les significations suivantes, : Borne, : Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
C61, C62, C63	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61	DIODE MODULE	MC	COMPRESSOR		
F701, F801, F901	FUSE (T3.15AL250V)	MF	FAN MOTOR	TB	TERMINAL BLOCK
H	DEFROST HEATER (OPTION PARTS)	PTC64, PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
IC700, IC820, IC932	POWER MODULE	RT61	DEFROST THERMISTOR	X63, X64, X66	RELAY
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
LED	LED	RT64	FIN TEMP. THERMISTOR	26H	HEATER PROTECTOR (OPTION PARTS)

MUZ-JP09WA MUZ-JP12WA

OUTDOOR UNIT



NOTES :
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, □□□ :Terminal block ⊡⊡⊡ :Connector

REMARQUES :
1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les significations suivantes, □□□ :Borne ⊡⊡⊡ :Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
C61,C62	SMOOTHING CAPACITOR	MC	COMPRESSOR		
DB61,DB65	DIODE MODULE	MF	FAN MOTOR	TB	TERMINAL BLOCK
F701,F801,F901	FUSE (T3. 15AL250V)	Q821	SWITCHING POWER TRANSISTOR	T801	TRANSFORMER
IC700,IC932	POWER MODULE	RT61	DEFROST THERMISTOR	X63, X64, X66	RELAY
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
LED	LED	RT64	FIN TEMP. THERMISTOR		
LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR		

A.1.4 REFRIGERANT SYSTEM DIAGRAM

A.1.4.1 Inverter

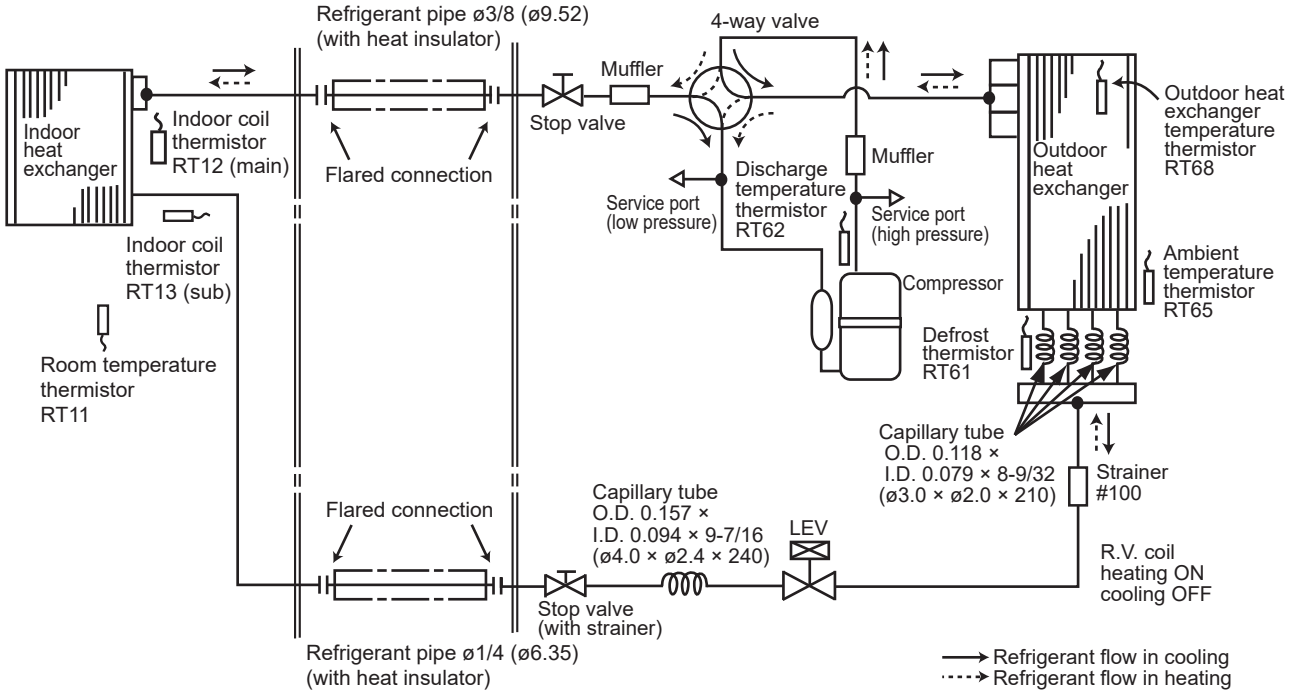
Unit: inch(mm)

MSZ-FS06NA
MSZ-FS09NA
MSZ-FS12NA

INDOOR UNIT

MUZ-FS06NA MUZ-FS06NAH
MUZ-FS09NA MUZ-FS09NAH
MUZ-FS12NA MUZ-FS12NAH

OUTDOOR UNIT

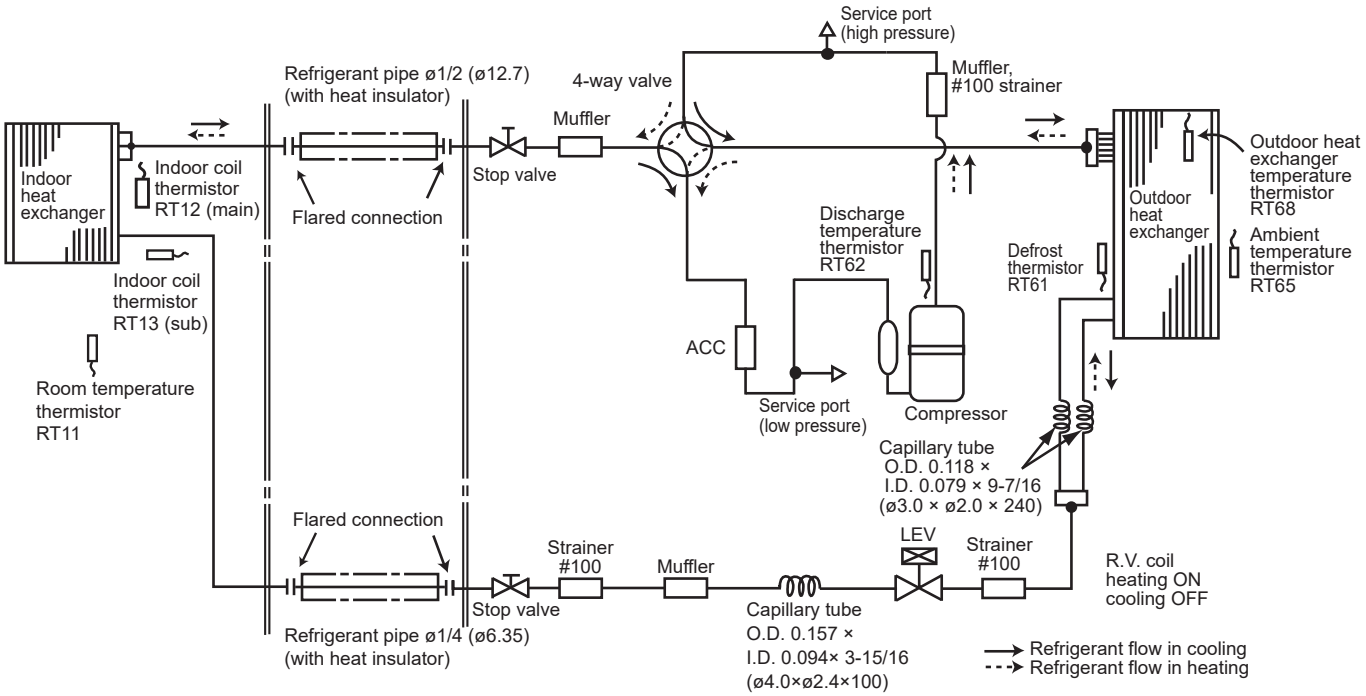


MSZ-FS15NA
MSZ-FS18NA

INDOOR UNIT

MUZ-FS15NA MUZ-FS15NAH
MUZ-FS18NA MUZ-FS18NAH

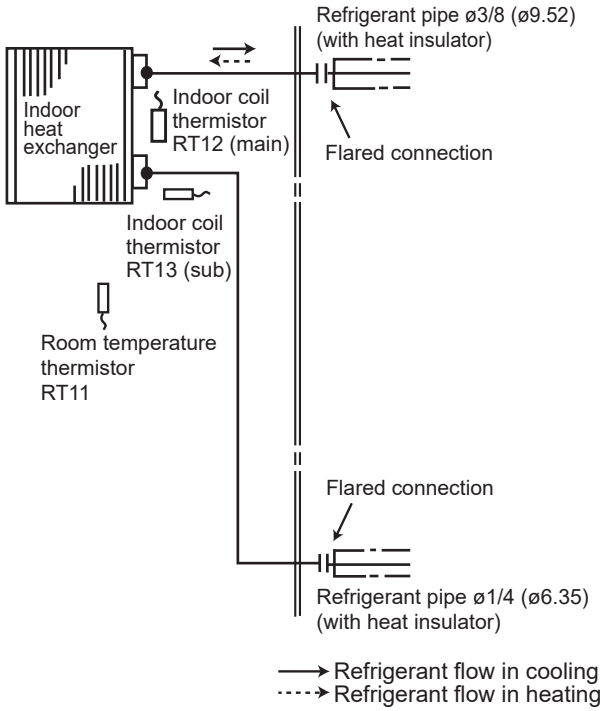
OUTDOOR UNIT



Unit: inch(mm)

MSZ-GL06NA

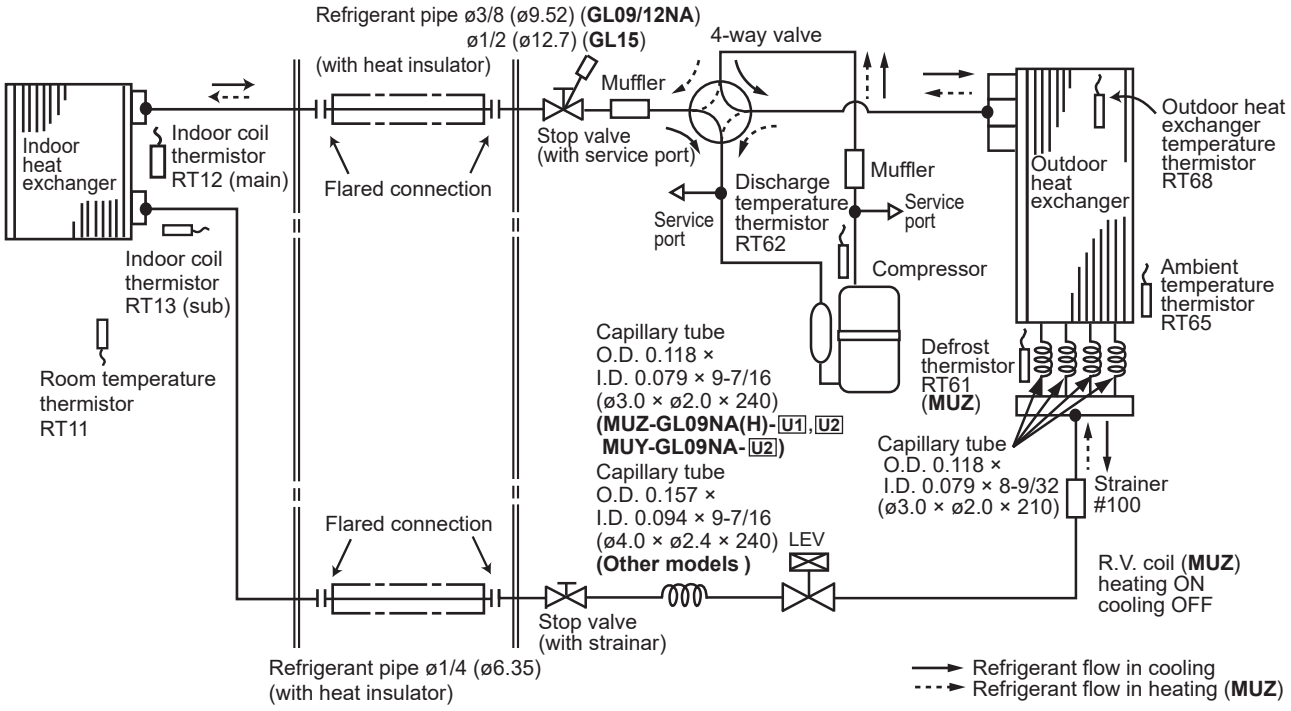
INDOOR UNIT **OUTDOOR UNIT**



For MXZ connection

MSZ-GL09NA **MSY-GL09NA** **MUZ-GL09NA** **MUZ-GL09NAH** **MUY-GL09NA**
MSZ-GL12NA **MSY-GL12NA** **MUZ-GL12NA** **MUZ-GL12NAH** **MUY-GL12NA**
MSZ-GL15NA **MSY-GL15NA** **MUZ-GL15NA** **MUZ-GL15NAH** **MUY-GL15NA**

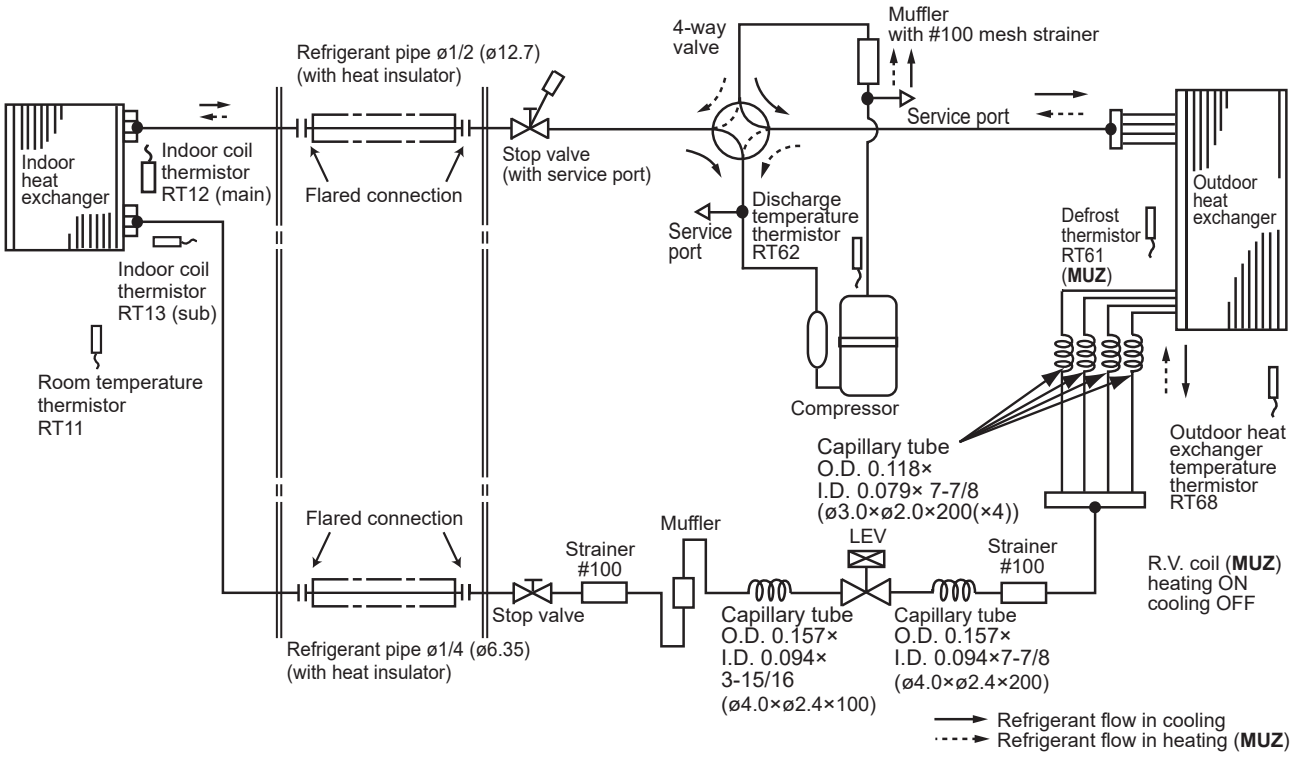
INDOOR UNIT **OUTDOOR UNIT**



Unit: inch(mm)

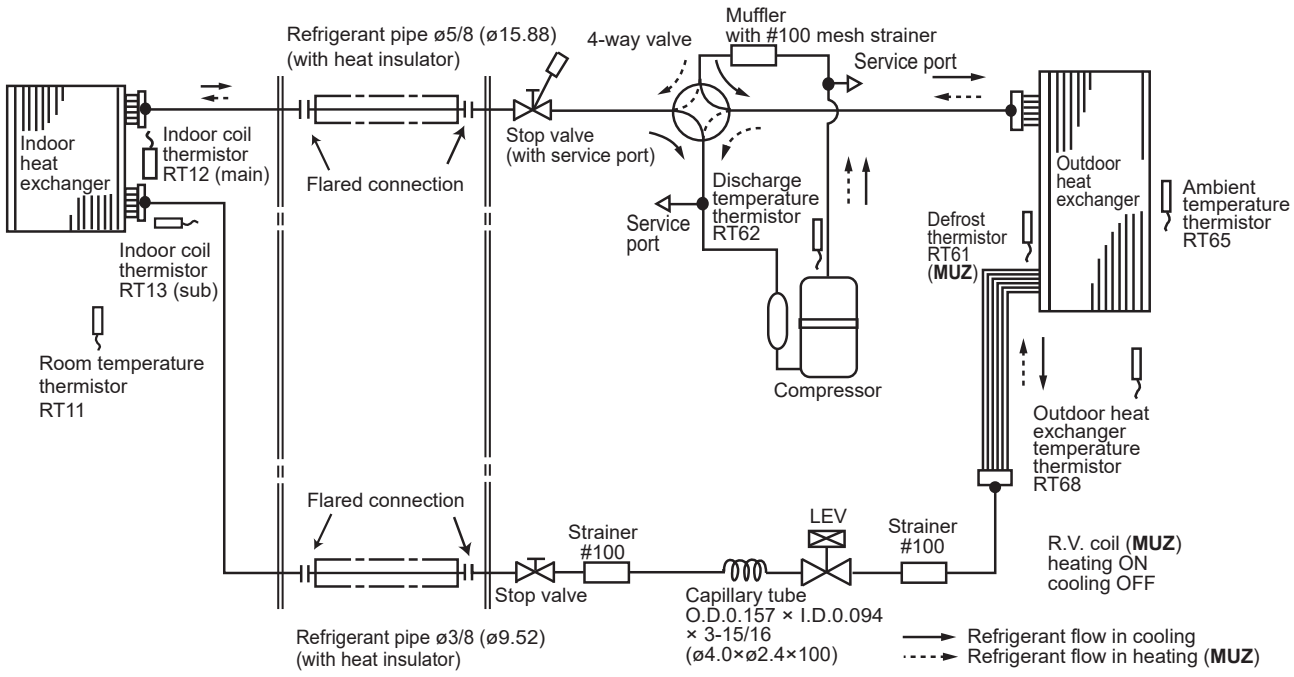
MSZ-GL18NA MSY-GL18NA MUZ-GL18NA MUZ-GL18NAH MUY-GL18NA

INDOOR UNIT **OUTDOOR UNIT**



MSZ-GL24NA MSY-GL24NA MUZ-GL24NA-U1 MUY-GL24NA

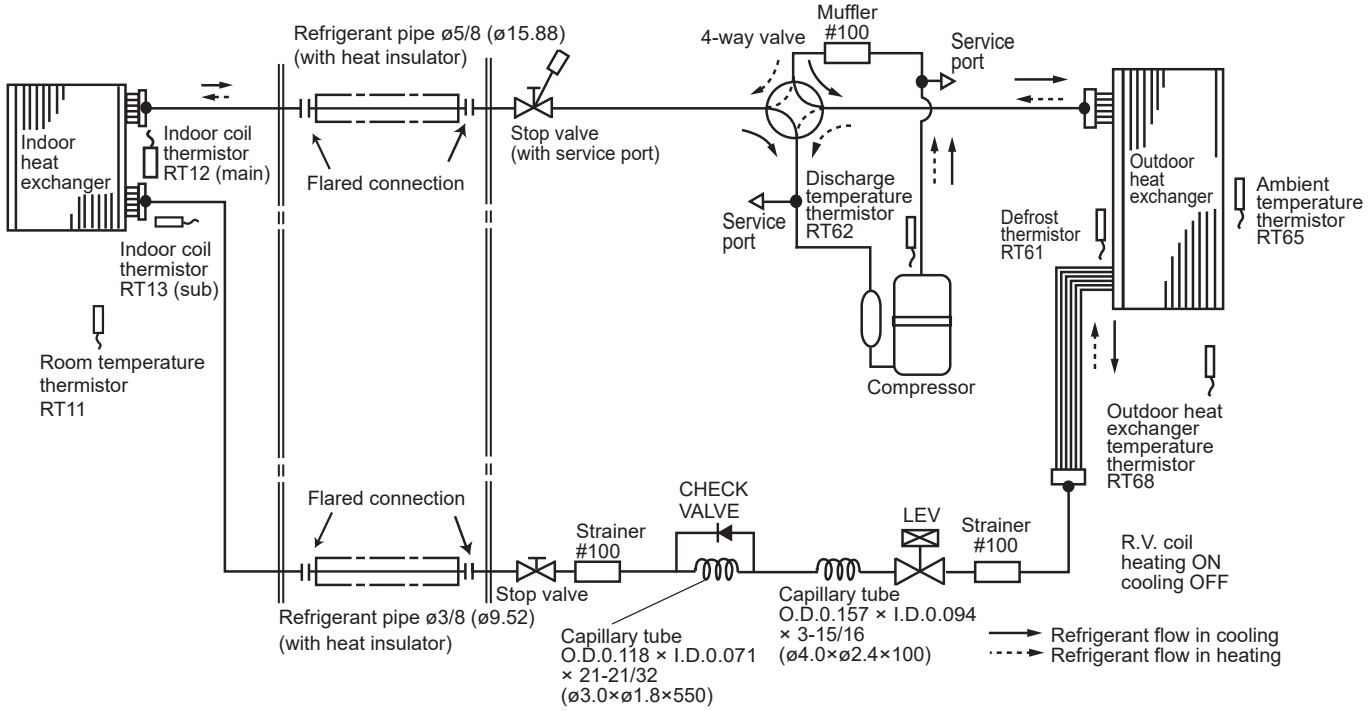
INDOOR UNIT **OUTDOOR UNIT**



Unit: inch(mm)

MSZ-GL24NA **MUZ-GL24NA-U2** **MUZ-GL24NAH**

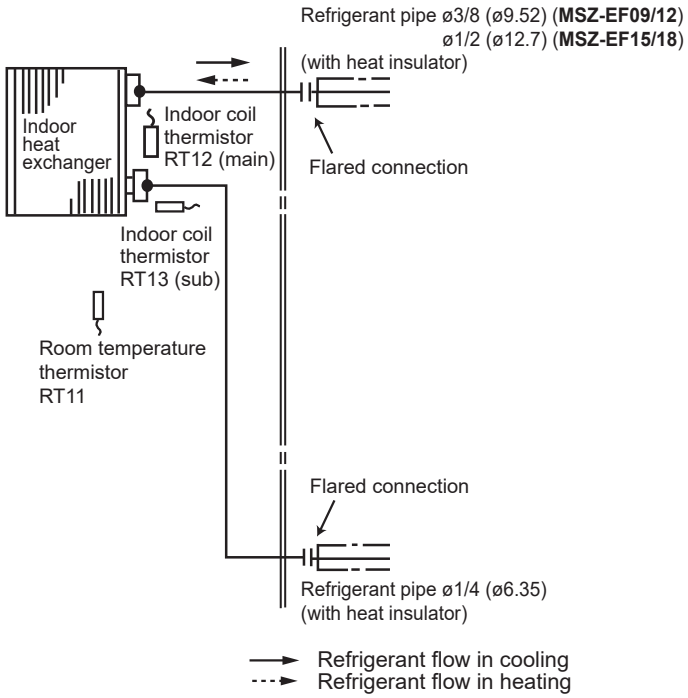
INDOOR UNIT **OUTDOOR UNIT**



Unit: inch(mm)

MSZ-EF09NAW MSZ-EF12NAW MSZ-EF15NAW MSZ-EF18NAW
MSZ-EF09NAB MSZ-EF12NAB MSZ-EF15NAB MSZ-EF18NAB
MSZ-EF09NAS MSZ-EF12NAS MSZ-EF15NAS MSZ-EF18NAS

INDOOR UNIT **OUTDOOR UNIT**



For MXZ connection

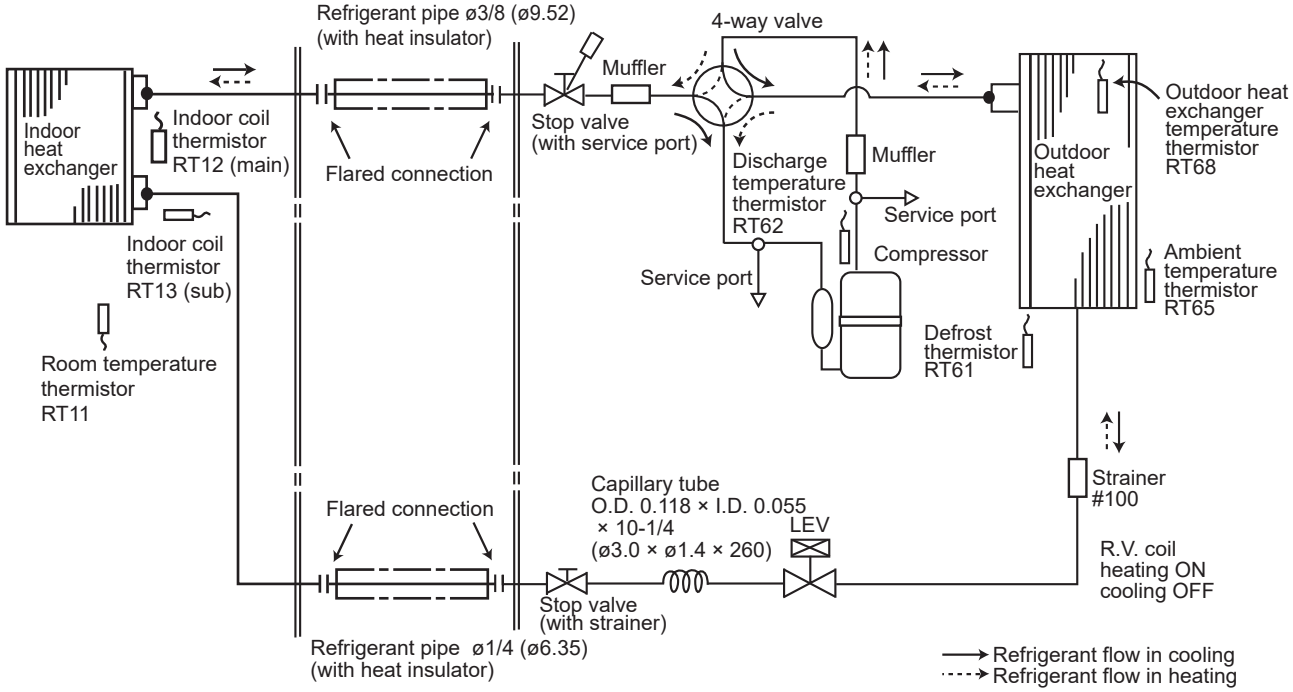
Unit: inch(mm)

MSZ-HM09NA
MSZ-HM12NA

INDOOR UNIT

MUZ-HM09NA-U1, U2 MUZ-HM09NAH
MUZ-HM12NA-U1, U2 MUZ-HM12NAH

OUTDOOR UNIT

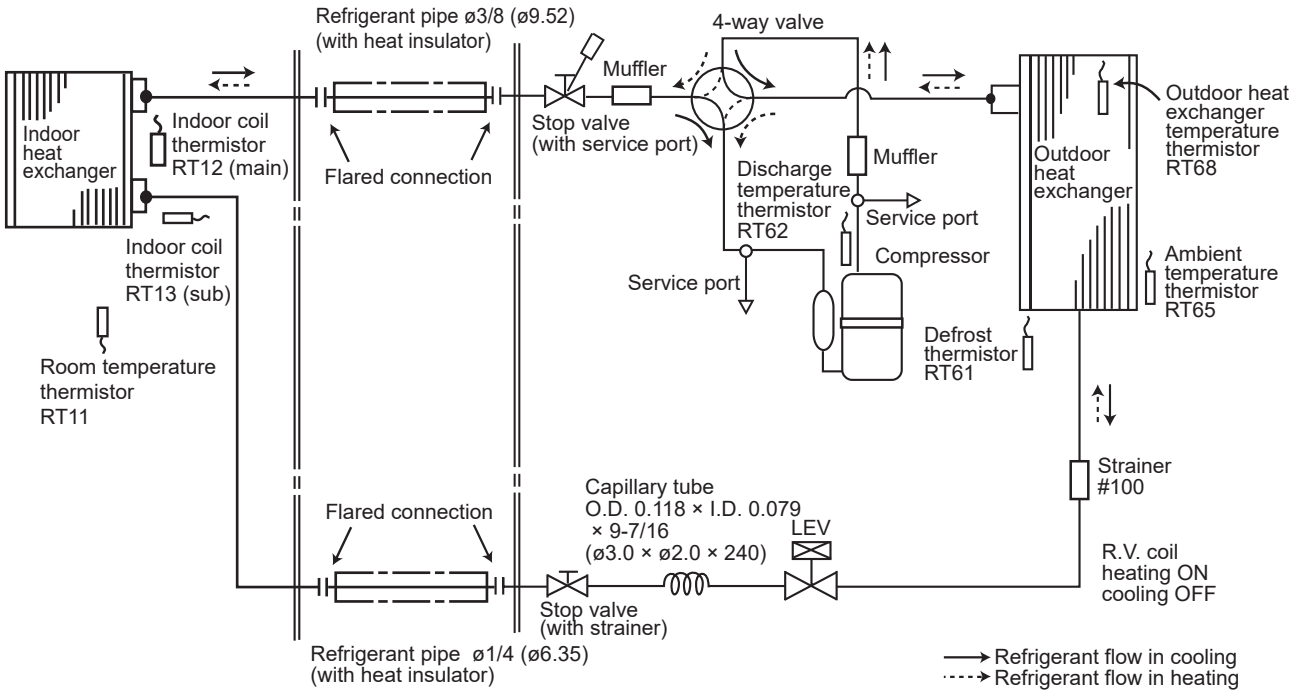


MSZ-HM09NA

INDOOR UNIT

MUZ-HM09NA-U8

OUTDOOR UNIT



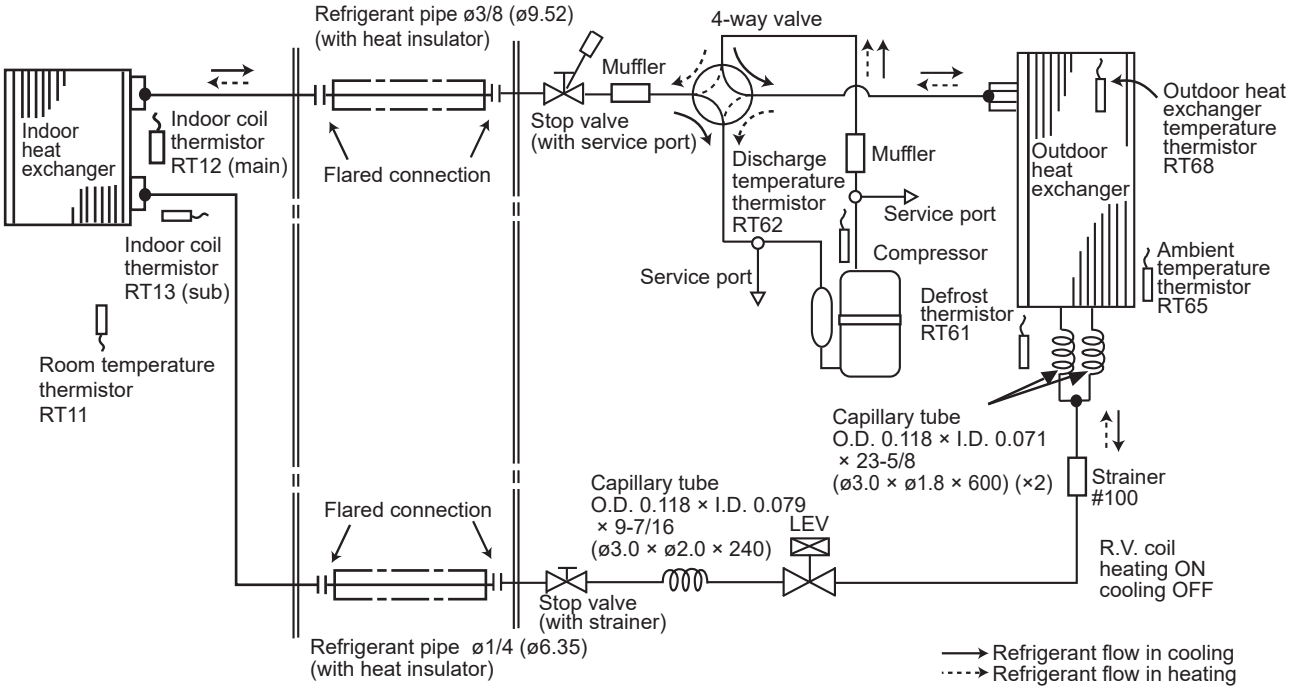
Unit: inch(mm)

MSZ-HM12NA

INDOOR UNIT

MUZ-HM12NA-U8

OUTDOOR UNIT

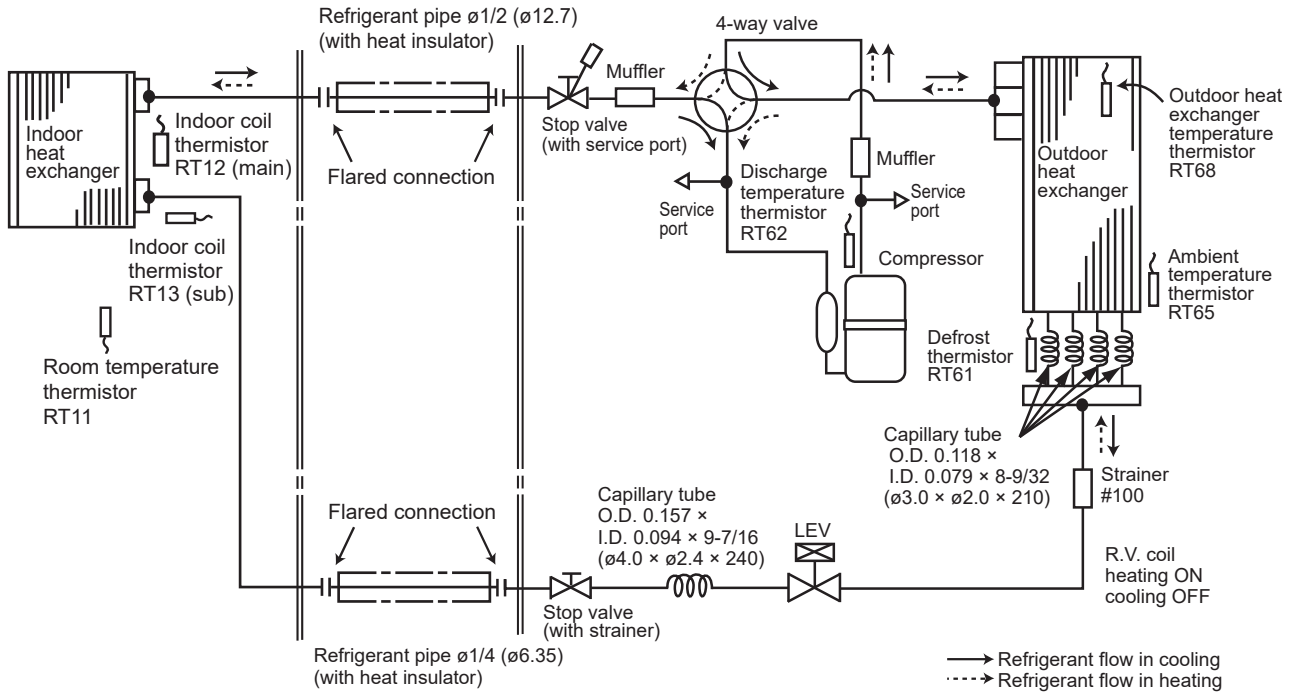


MSZ-HM15NA

INDOOR UNIT

MUZ-HM15NA
MUZ-HM15NAH

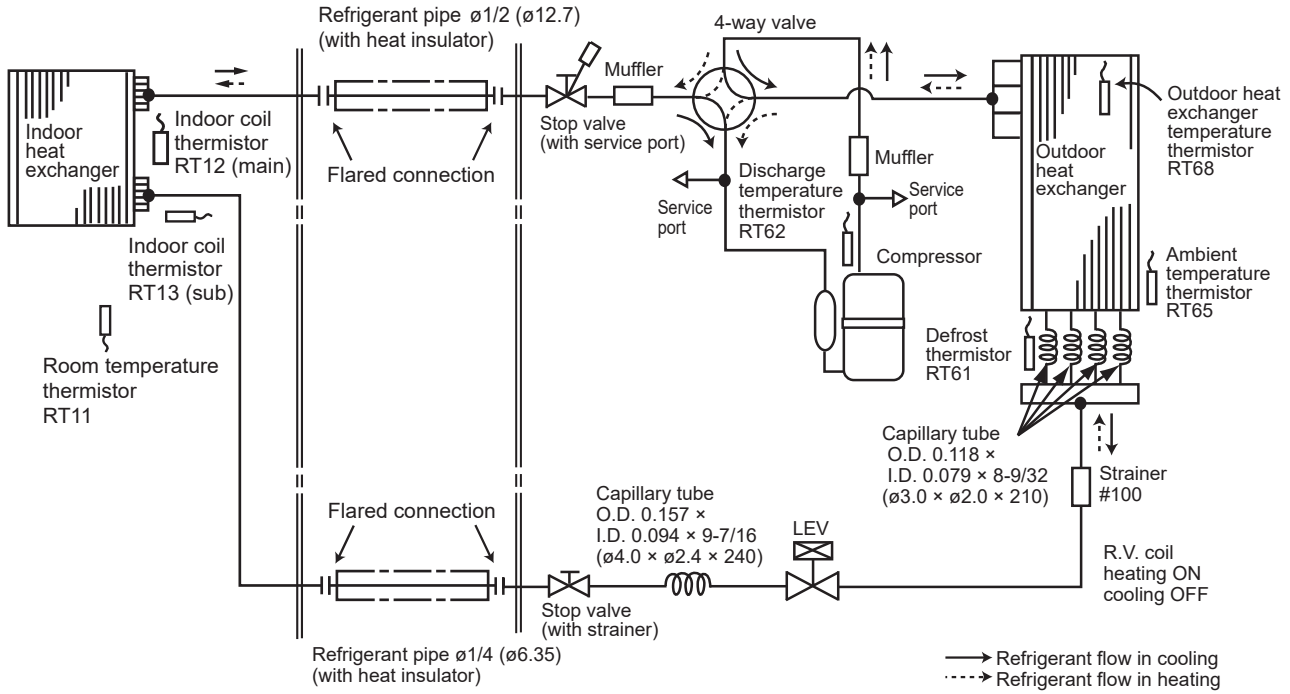
OUTDOOR UNIT



Unit: inch(mm)

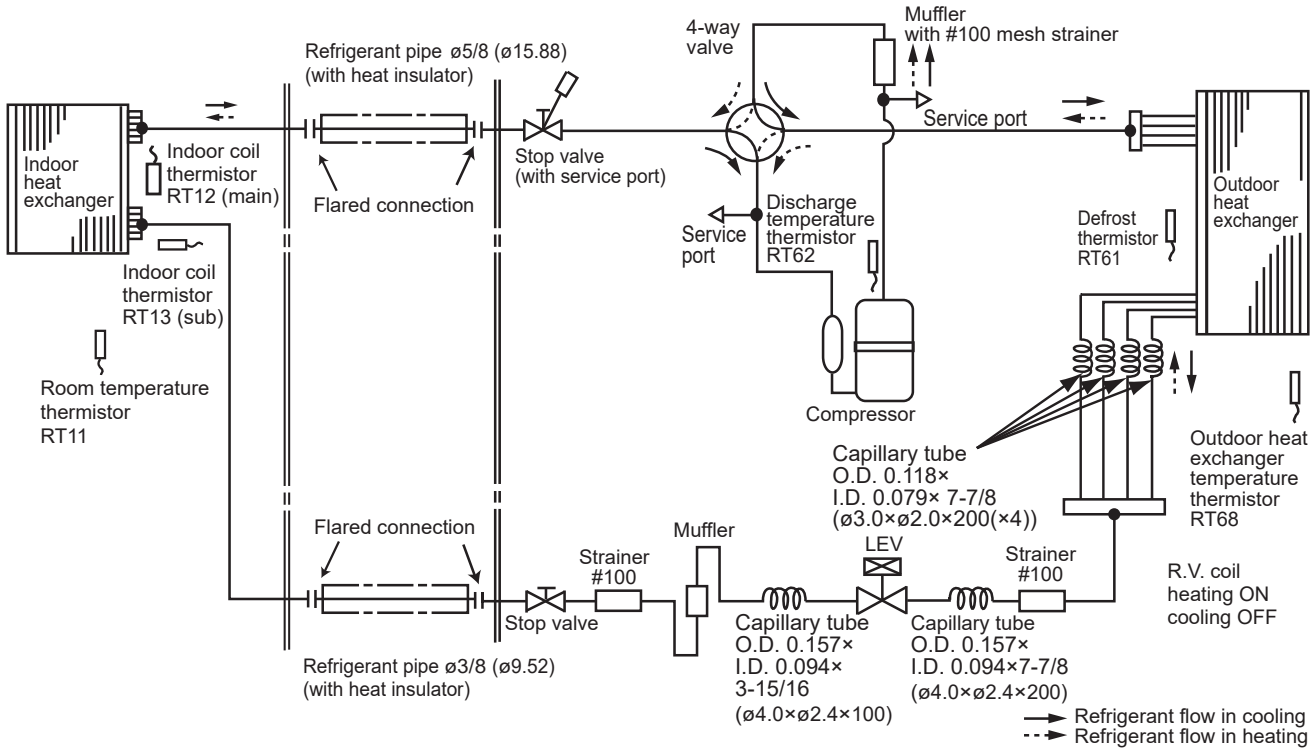
MSZ-HM18NA
INDOOR UNIT

MUZ-HM18NA
MUZ-HM18NAH
OUTDOOR UNIT



MSZ-HM24NA
INDOOR UNIT

MUZ-HM24NA
MUZ-HM24NAH
OUTDOOR UNIT



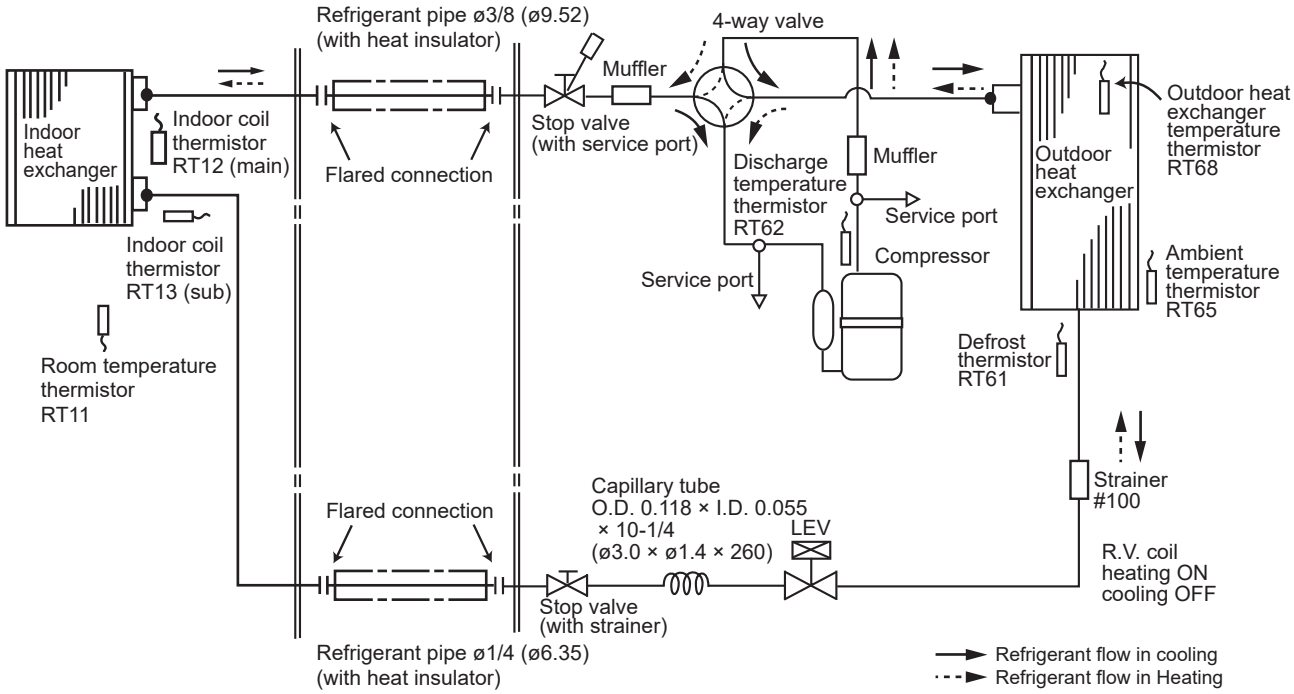
Unit: inch(mm)

MSZ-WR09NA
MSZ-WR12NA

INDOOR UNIT

MUZ-WR09NA
MUZ-WR12NA

OUTDOOR UNIT

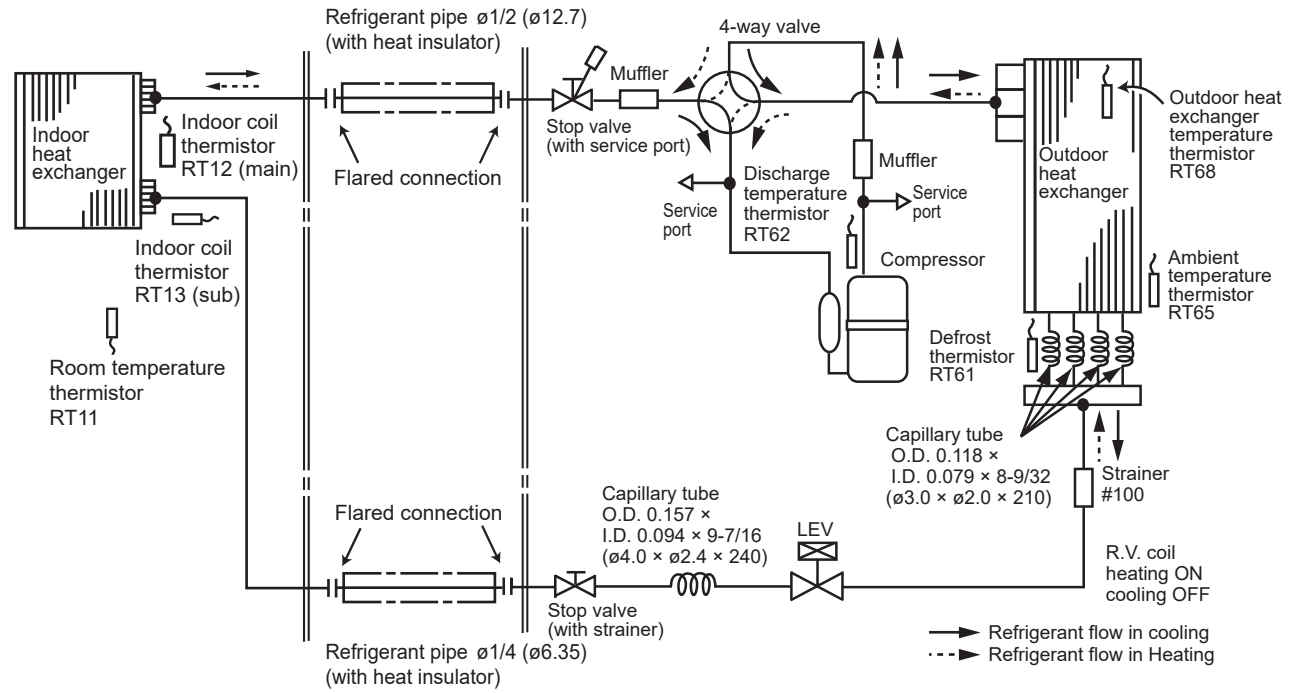


MSZ-WR18NA

INDOOR UNIT

MUZ-WR18NA

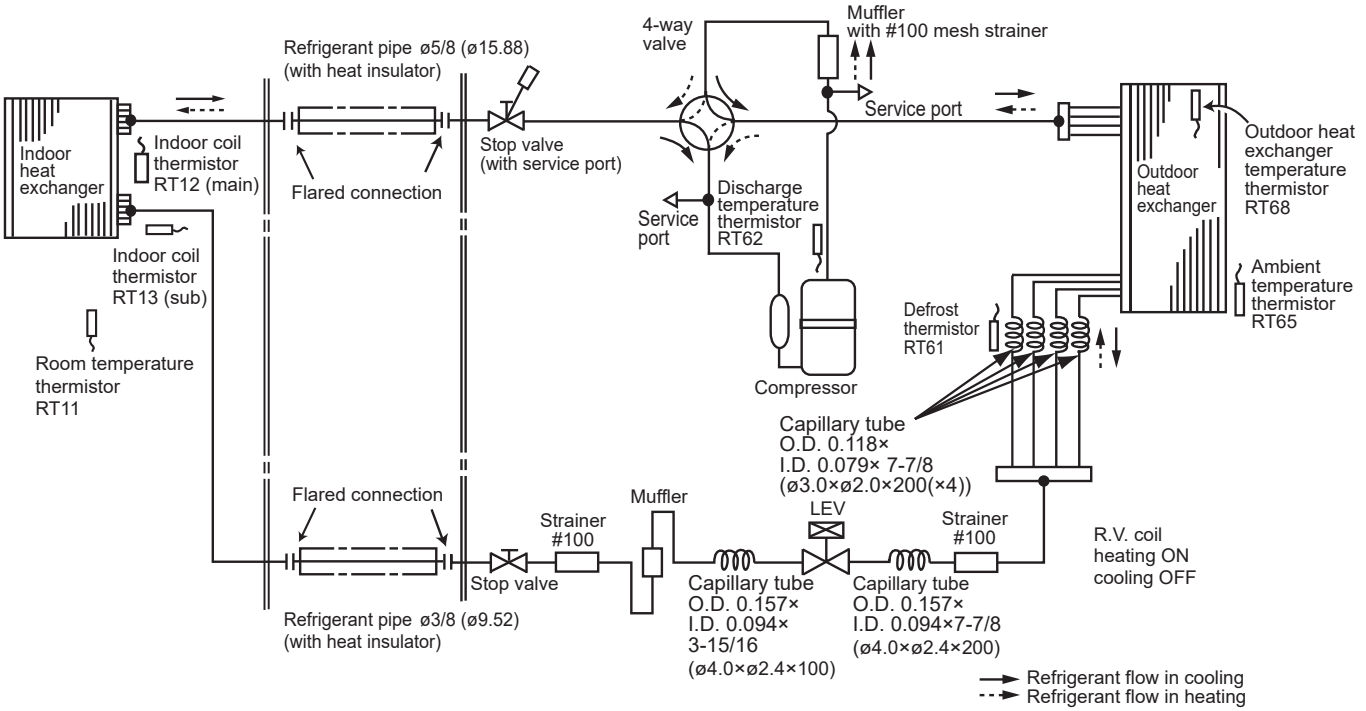
OUTDOOR UNIT



Unit: inch(mm)

MSZ-WR24NA **MUZ-WR24NA**

INDOOR UNIT **OUTDOOR UNIT**



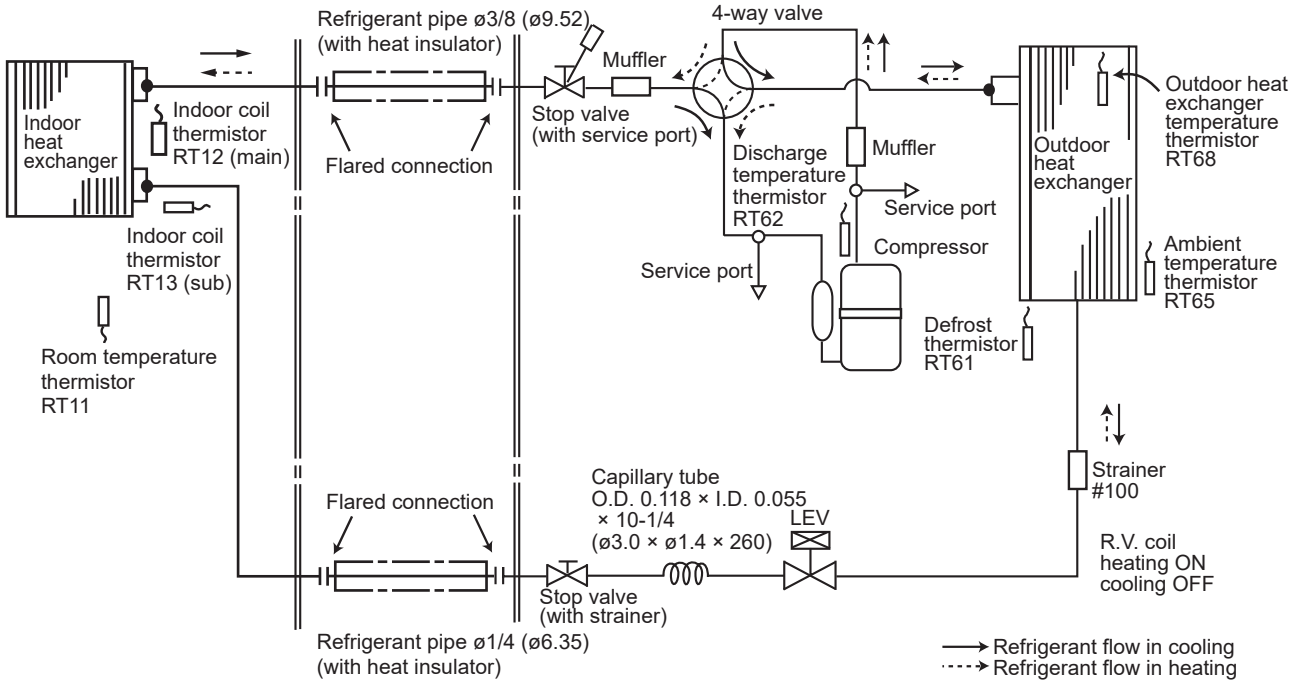
Unit: inch(mm)

MSZ-JP09WA
MSZ-JP12WA

INDOOR UNIT

MUZ-JP09WA
MUZ-JP12WA

OUTDOOR UNIT

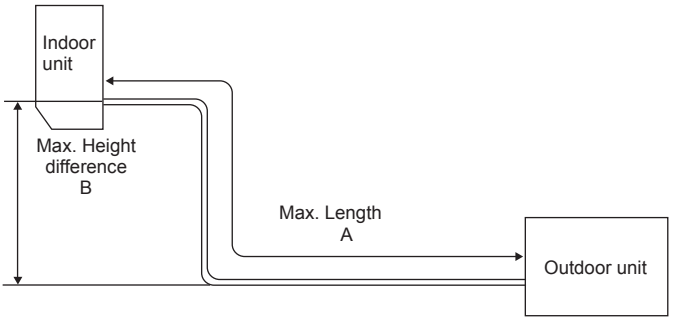


A.1.4.2 Refrigerant Pipe Length and Pipe Size

MUZ-FS06NA MUZ-FS09NA MUZ-FS12NA MUZ-FS15NA MUZ-FS18NA
MUZ-FS06NAH MUZ-FS09NAH MUZ-FS12NAH MUZ-FS15NAH MUZ-FS18NAH

MAX. REFRIGERANT PIPING LENGTH and MAX. HEIGHT DIFFERENCE

Model	Refrigerant piping: ft.		Piping size O.D: in.	
	Max. Length A	Max. Height difference B	Gas	Liquid
MUZ-FS06NA MUZ-FS06NAH MUZ-FS09NA MUZ-FS09NAH MUZ-FS12NA MUZ-FS12NAH	65	40	3/8	1/4
MUZ-FS15NA MUZ-FS15NAH MUZ-FS18NA MUZ-FS18NAH	100	50	1/2	1/4



ADDITIONAL REFRIGERANT CHARGE (R410A: oz.)

NOTE: Refrigerant piping exceeding 25 ft. requires additional refrigerant charge according to the calculation.

Model	Outdoor unit precharged	Refrigerant piping length (one way): ft.					
		25	30	40	50	60	65
MUZ-FS06NA MUZ-FS06NAH MUZ-FS09NA MUZ-FS09NAH MUZ-FS12NA MUZ-FS12NAH	2 lb. 9 oz.	0	1.08	3.24	5.40	7.56	8.64

Calculation: X oz. = 1.08/5 oz./ft. × (Refrigerant piping length (ft.) - 25)

NOTE: Refrigerant piping exceeding 25 ft. requires additional refrigerant charge according to the calculation.

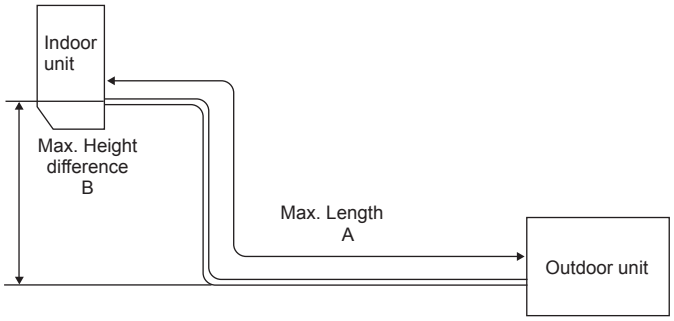
Model	Outdoor unit precharged	Refrigerant piping length (one way): ft.								
		25	30	40	50	60	70	80	90	100
MUZ-FS15NA MUZ-FS15NAH MUZ-FS18NA MUZ-FS18NAH	3 lb. 7 oz.	0	1.08	3.24	5.40	7.56	9.72	11.88	14.04	16.20

Calculation: X oz. = 1.08/5 oz./ft. × (Refrigerant piping length (ft.) - 25)

MUZ-GL09NA MUZ-GL12NA MUZ-GL15NA MUZ-GL18NA MUZ-GL24NA
MUZ-GL09NAH MUZ-GL12NAH MUZ-GL15NAH MUZ-GL18NAH MUZ-GL24NAH
MUY-GL09NA MUY-GL12NA MUY-GL15NA MUY-GL18NA MUY-GL24NA

MAX. REFRIGERANT PIPING LENGTH and MAX. HEIGHT DIFFERENCE

Model	Refrigerant piping: ft.		Piping size O.D: in.	
	Max. Length A	Max. Height difference B	Gas	Liquid
MUZ-GL09NA MUZ-GL09NAH MUY-GL09NA MUZ-GL12NA MUZ-GL12NAH MUY-GL12NA	65	40	3/8	1/4
MUZ-GL15NA MUZ-GL15NAH MUY-GL15NA	65	40	1/2	1/4
MUZ-GL18NA MUZ-GL18NAH MUY-GL18NA	100	50	1/2	1/4
MUZ-GL24NA MUZ-GL24NAH MUY-GL24NA	100	50	5/8	3/8



ADDITIONAL REFRIGERANT CHARGE (R410A: oz.)

NOTE: Refrigerant piping exceeding 25 ft. requires additional refrigerant charge according to the calculation.

Model	Outdoor unit precharged	Refrigerant piping length (one way): ft.					
		25	30	40	50	60	65
MUZ-GL09NA-U1 **MUZ-GL09NA-U2** **MUZ-GL09NAH-U1** **MUZ-GL09NAH-U2** **MUY-GL09NA-U2**	2 lb. 5 oz.	0	1.08	3.24	5.40	7.56	8.64
MUZ-GL09NA-U8 **MUZ-GL09NAH-U8** **MUY-GL09NA-U1** **MUZ-GL12NA** **MUZ-GL12NAH** **MUY-GL12NA** **MUZ-GL15NA** **MUZ-GL15NAH** **MUY-GL15NA**	2 lb. 9 oz.						

Calculation: X oz. = 1.08/5 oz./ft. × (Refrigerant piping length (ft.) - 25)

NOTE: Refrigerant piping exceeding 25 ft. requires additional refrigerant charge according to the calculation.

Model	Outdoor unit precharged	Refrigerant piping length (one way): ft.								
		25	30	40	50	60	70	80	90	100
MUZ-GL18NA **MUZ-GL18NAH** **MUY-GL18NA**	3 lb. 9 oz.	0	1.08	3.24	5.40	7.56	9.72	11.88	14.04	16.20

Calculation: X oz. = 1.08/5 oz./ft. × (Refrigerant piping length (ft.) - 25)

NOTE: Refrigerant piping exceeding 33 ft. requires additional refrigerant charge according to the calculation.

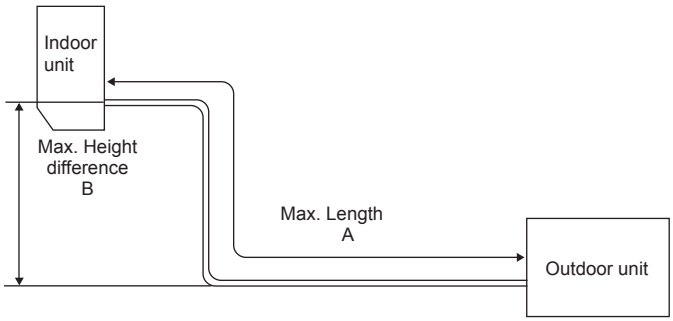
Model	Outdoor unit precharged	Refrigerant piping length (one way): ft.							
		33	40	50	60	70	80	90	100
MUZ-GL24NA **MUZ-GL24NAH** **MUY-GL24NA**	4 lb. 3 oz.	0	4.14	10.06	15.98	21.90	27.82	33.74	39.66

Calculation: X oz. = 2.96/5 oz./ft. × (Refrigerant piping length (ft.) - 33)

MUZ-HM09NA MUZ-HM12NA MUZ-HM15NA MUZ-HM18NA MUZ-HM24NA
MUZ-HM09NAH MUZ-HM12NAH MUZ-HM15NAH MUZ-HM18NAH MUZ-HM24NAH

MAX. REFRIGERANT PIPING LENGTH and MAX. HEIGHT DIFFERENCE

Model	Refrigerant piping: ft.		Piping size O.D: in.	
	Max. Length A	Max. Height difference B	Gas	Liquid
MUZ-HM09NA(H) **MUZ-HM12NA(H)**	65	40	3/8	1/4
MUZ-HM15NA(H) **MUZ-HM18NA(H)**			1/2	
MUZ-HM24NA(H)	100	50	5/8	3/8



ADDITIONAL REFRIGERANT CHARGE (R410A: oz.)

NOTE: Refrigerant piping exceeding 25 ft. requires additional refrigerant charge according to the calculation.

Model	Outdoor unit precharged	Refrigerant piping length (one way): ft.					
		25	30	40	50	60	65
MUZ-HM09NA(H) **MUZ-HM12NA** - U1, U2 **MUZ-HM12NAH** - U1	1 lb. 12 oz.	0	1.08	3.24	5.40	7.56	8.64
MUZ-HM12NA - U8 **MUZ-HM15NA(H)**	2 lb. 9 oz.						
MUZ-HM18NA(H)	2 lb. 10 oz.						

Calculation: X oz. = 1.08/5 oz./ft. × (Refrigerant piping length (ft.) - 25)

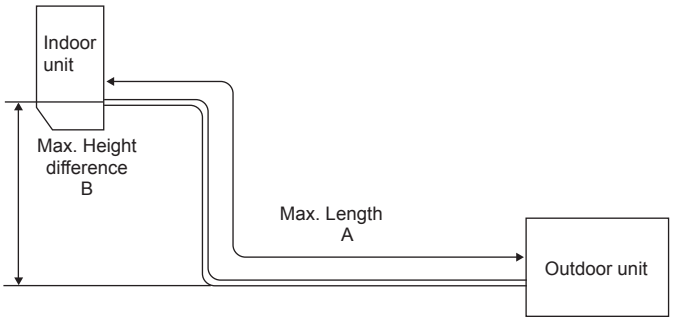
Model	Outdoor unit precharged	Refrigerant piping length (one way): ft.								
		25	30	40	50	60	70	80	90	100
MUZ-HM24NA(H)	3 lb. 9 oz.	0	1.08	3.24	5.40	7.56	9.72	11.88	14.04	16.20

Calculation: X oz. = 1.08/5 oz./ft. × (Refrigerant piping length (ft.) - 25)

MUZ-WR09NA MUZ-WR12NA MUZ-WR18NA MUZ-WR24NA

MAX. REFRIGERANT PIPING LENGTH and MAX. HEIGHT DIFFERENCE

Model	Refrigerant piping: ft.		Piping size O.D: in.	
	Max. Length A	Max. Height difference B	Gas	Liquid
MUZ-WR09NA MUZ-WR12NA	65	40	3/8	1/4
MUZ-WR18NA			1/2	
MUZ-WR24NA	100	50	5/8	3/8



ADDITIONAL REFRIGERANT CHARGE (R410A: oz.)

NOTE: Refrigerant piping exceeding 25 ft. requires additional refrigerant charge according to the calculation.

Model	Outdoor unit precharged	Refrigerant piping length (one way): ft.					
		25	30	40	50	60	65
MUZ-WR09NA MUZ-WR12NA	1 lb. 12 oz.	0	1.08	3.24	5.40	7.56	8.64
MUZ-WR18NA	2 lb. 10 oz.						

Calculation: X oz. = 1.08/5 oz./ft. × (Refrigerant piping length (ft.) - 25)

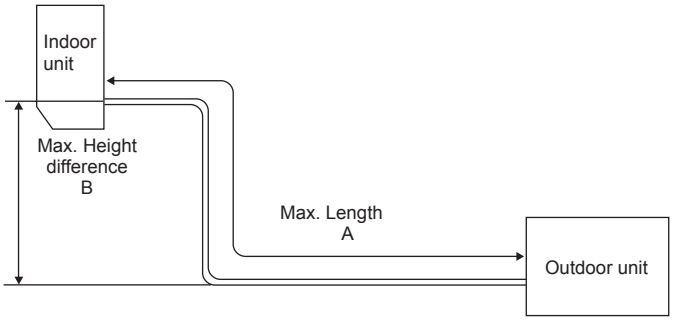
Model	Outdoor unit precharged	Refrigerant piping length (one way): ft.								
		25	30	40	50	60	70	80	90	100
MUZ-WR24NA	3 lb. 9 oz.	0	1.08	3.24	5.40	7.56	9.72	11.88	14.04	16.20

Calculation: X oz. = 1.08/5 oz./ft. × (Refrigerant piping length (ft.) - 25)

MUZ-JP09WA MUZ-JP12WA

MAX. REFRIGERANT PIPING LENGTH and MAX. HEIGHT DIFFERENCE

Model	Refrigerant piping: ft.		Piping size O.D: in.	
	Max. Length A	Max. Height difference B	Gas	Liquid
MUZ-JP09WA MUZ-JP12WA	65	40	3/8	1/4



ADDITIONAL REFRIGERANT CHARGE (R410A: oz.)

NOTE: Refrigerant piping exceeding 25 ft. requires additional refrigerant charge according to the calculation.

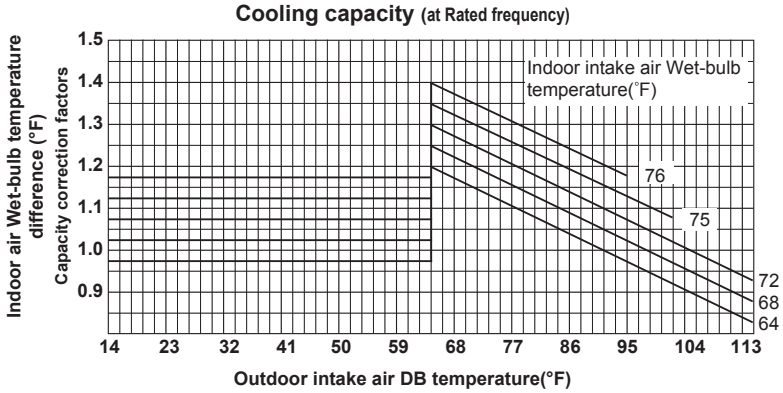
Model	Outdoor unit precharged	Refrigerant piping length (one way): ft.					
		25	30	40	50	60	65
MUZ-JP09WA MUZ-JP12WA	1 lb. 12 oz.	0	1.08	3.24	5.40	7.56	8.64

Calculation: X oz. = 1.08/5 oz./ft. × (Refrigerant piping length (ft.) - 25)

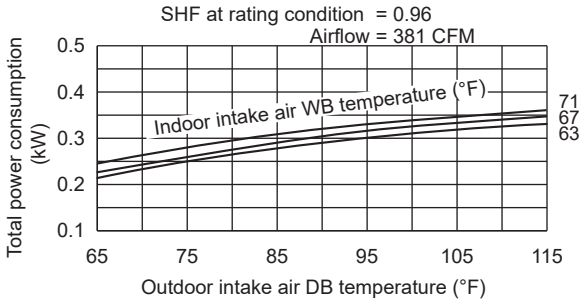
A.1.5 PERFORMANCE CURVES

A.1.5.1 Inverter

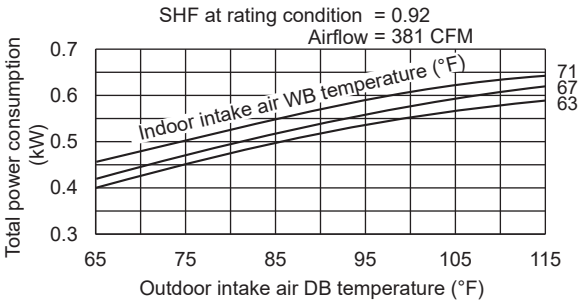
A.1.5.1.1 CAPACITY AND THE INPUT CURVES



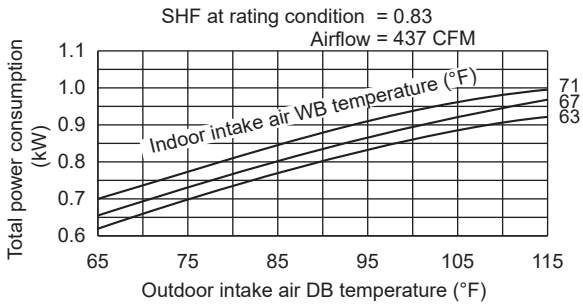
MUZ-FS06NA MUZ-FS06NAH



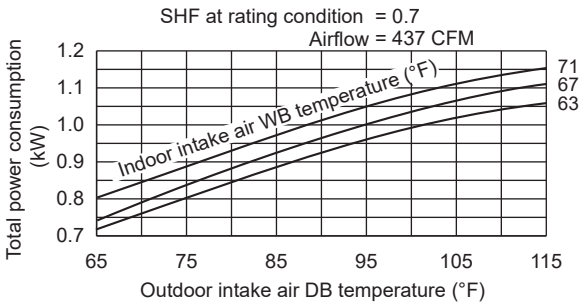
MUZ-FS09NA MUZ-FS09NAH



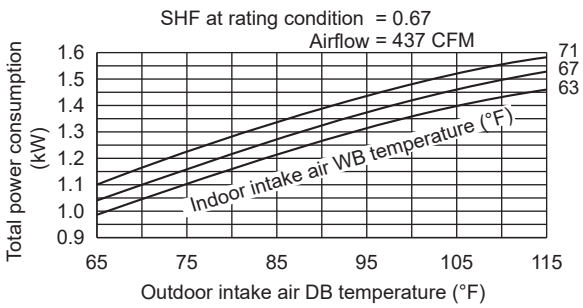
MUZ-FS12NA MUZ-FS12NAH



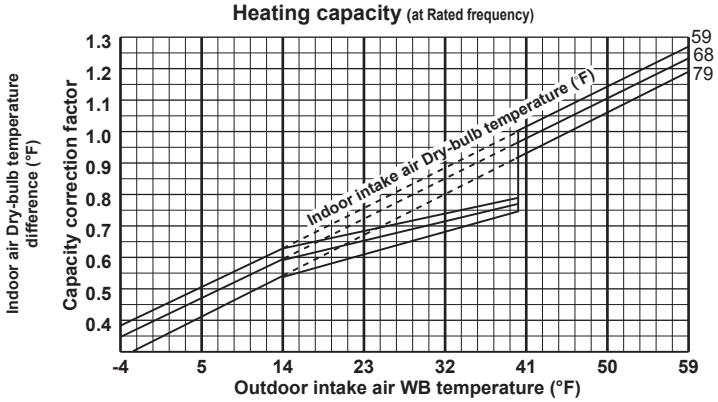
MUZ-FS15NA MUZ-FS15NAH



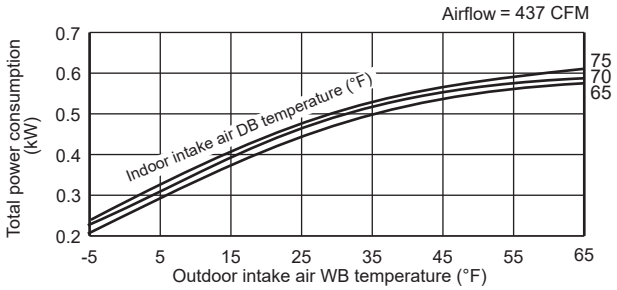
MUZ-FS18NA MUZ-FS18NAH



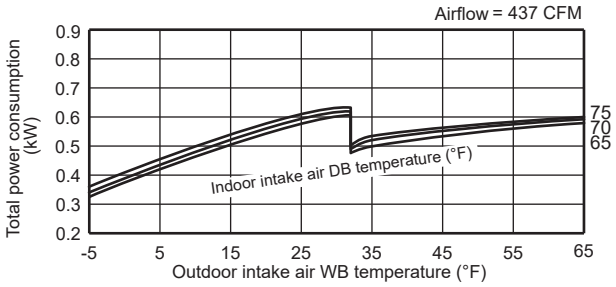
This value of frequency is not the same as the actual frequency in operating.
Refer to A.1.5.1.4 and A.1.5.1.5 for the relationships between frequency and capacity.



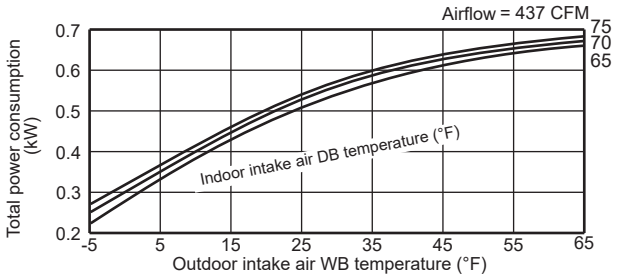
MUZ-FS06NA



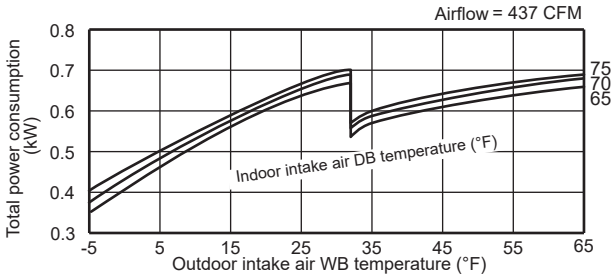
MUZ-FS06NAH



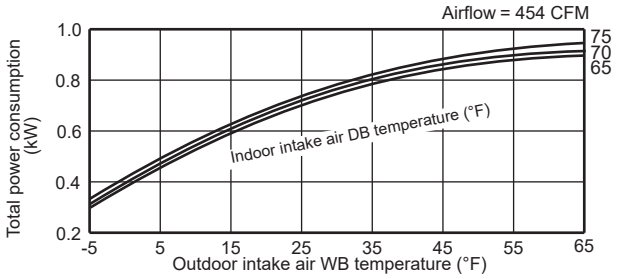
MUZ-FS09NA



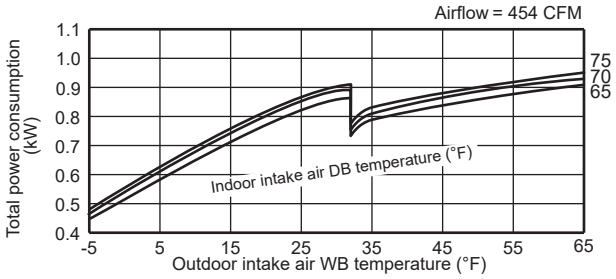
MUZ-FS09NAH



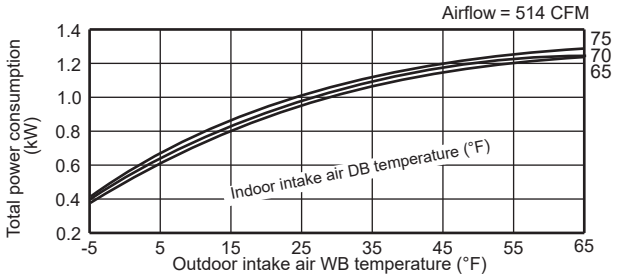
MUZ-FS12NA



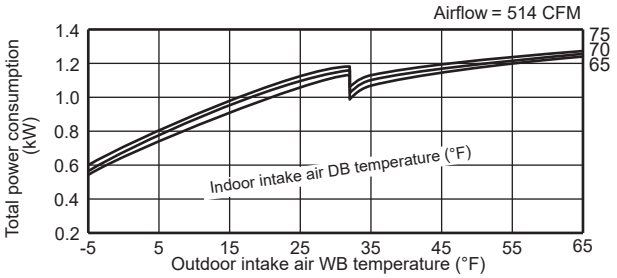
MUZ-FS12NAH



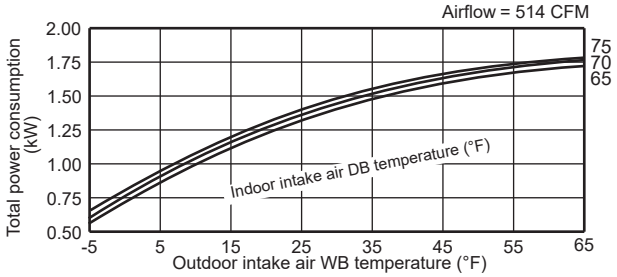
MUZ-FS15NA



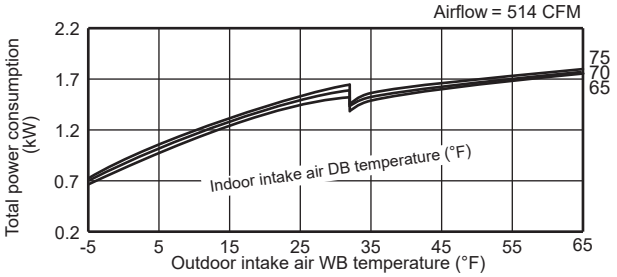
MUZ-FS15NAH



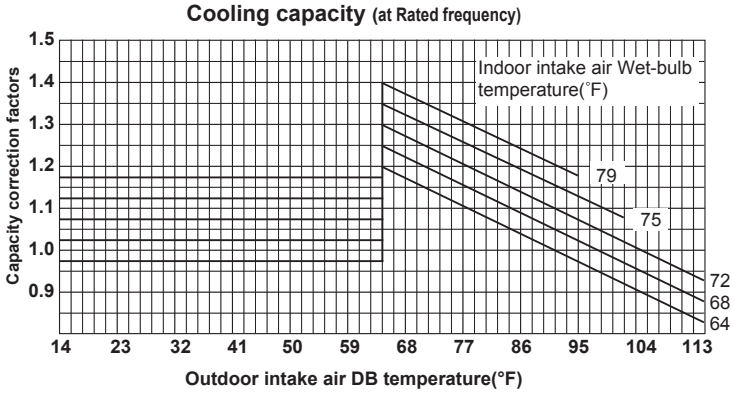
MUZ-FS18NA



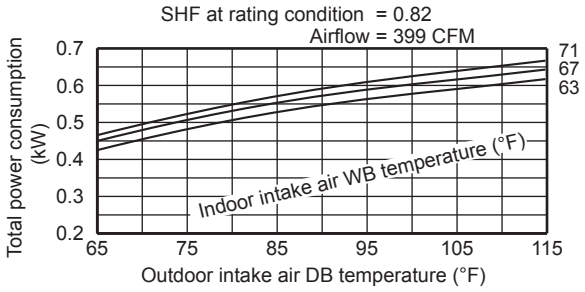
MUZ-FS18NAH



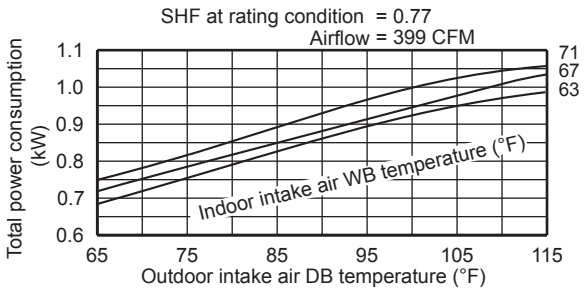
This value of frequency is not the same as the actual frequency in operating.
Refer to A.1.5.1.4 and A.1.5.1.5 for the relationships between frequency and capacity.



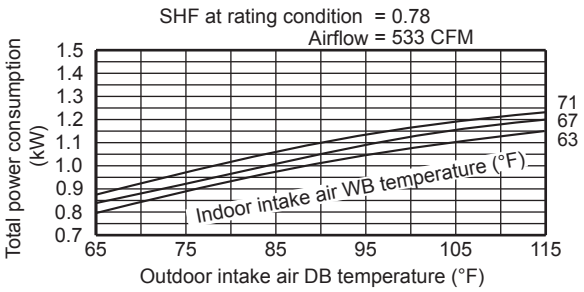
MUZ-GL09NA MUZ-GL09NAH MUY-GL09NA



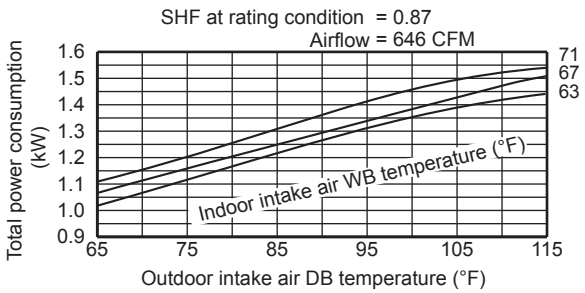
MUZ-GL12NA MUZ-GL12NAH MUY-GL12NA



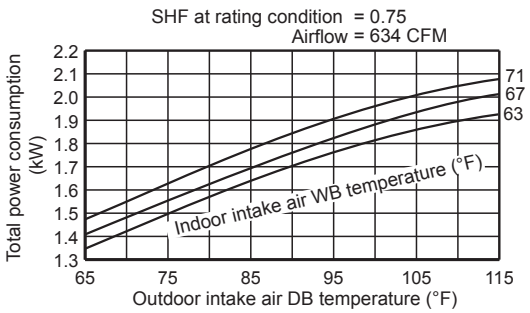
MUZ-GL15NA MUZ-GL15NAH MUY-GL15NA



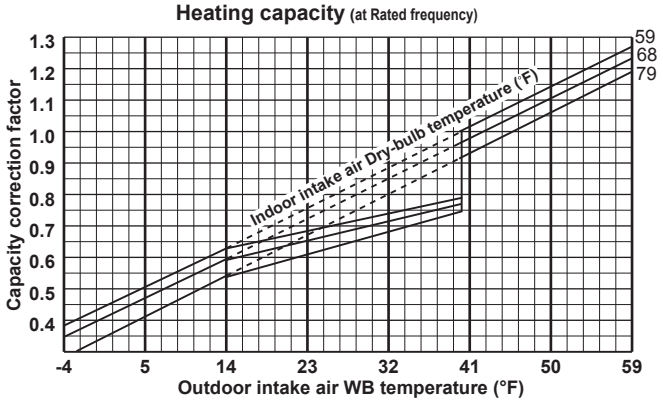
MUZ-GL18NA MUZ-GL18NAH MUY-GL18NA



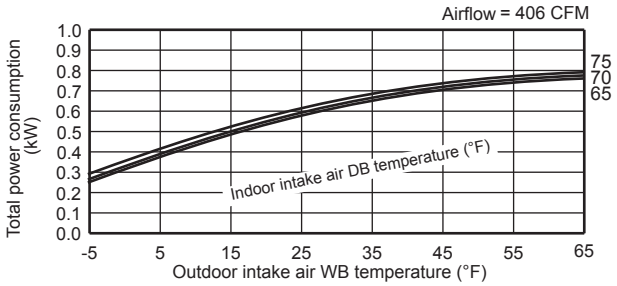
MUZ-GL24NA MUZ-GL24NAH MUY-GL24NA



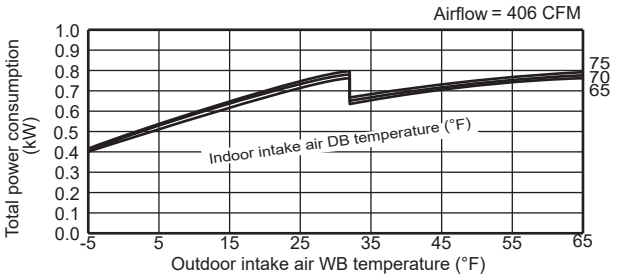
This value of frequency is not the same as the actual frequency in operating.
Refer to A.1.5.1.4 and A.1.5.1.5 for the relationships between frequency and capacity.



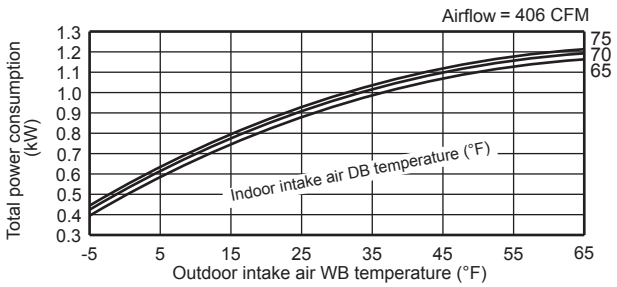
MUZ-GL09NA



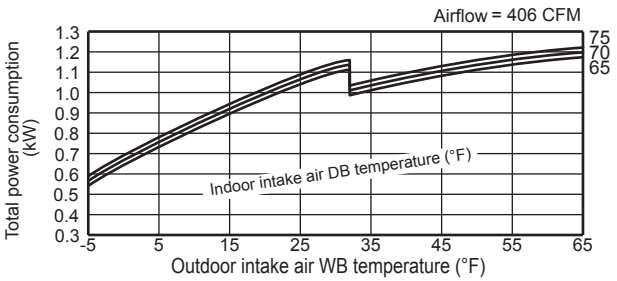
MUZ-GL09NAH



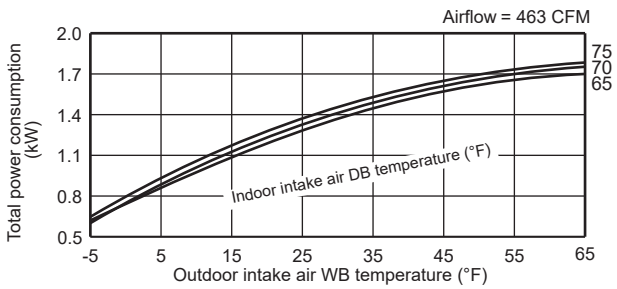
MUZ-GL12NA



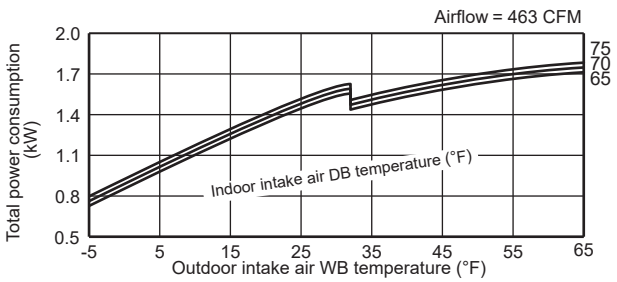
MUZ-GL12NAH



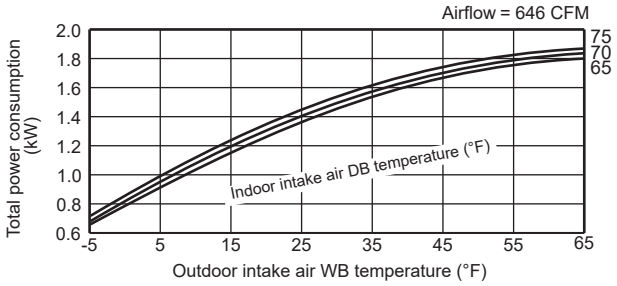
MUZ-GL15NA



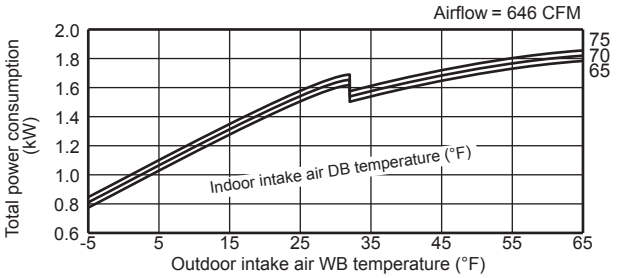
MUZ-GL15NAH



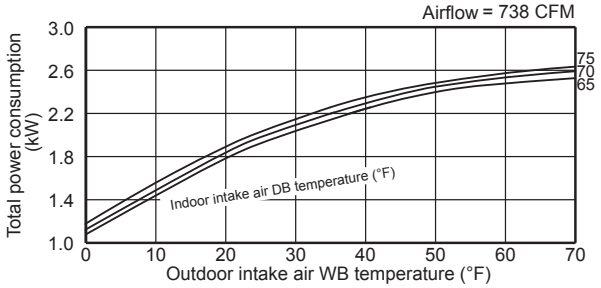
MUZ-GL18NA



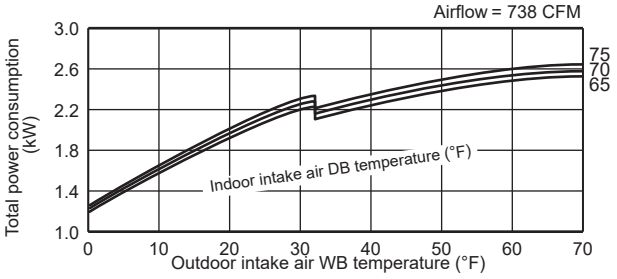
MUZ-GL18NAH



MUZ-GL24NA

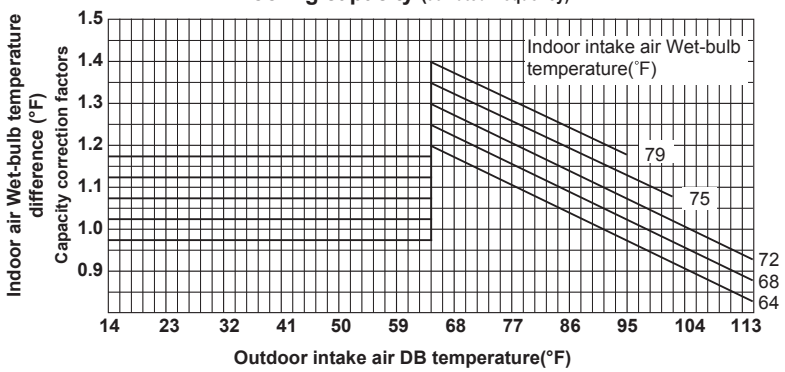


MUZ-GL24NAH

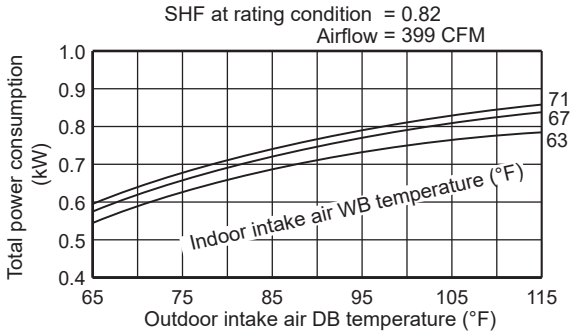


This value of frequency is not the same as the actual frequency in operating.
Refer to A.1.5.1.4 and A.1.5.1.5 for the relationships between frequency and capacity.

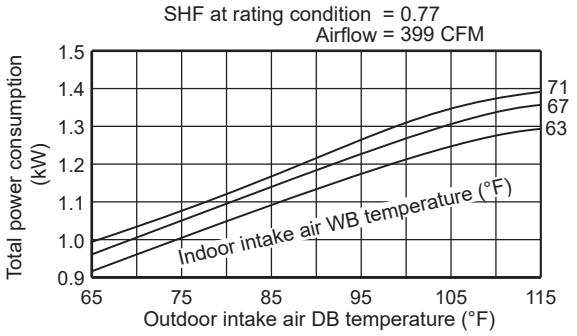
Cooling capacity (at Rated frequency)



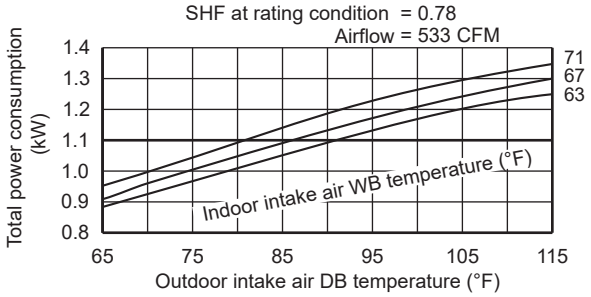
MUZ-HM09NA(H)



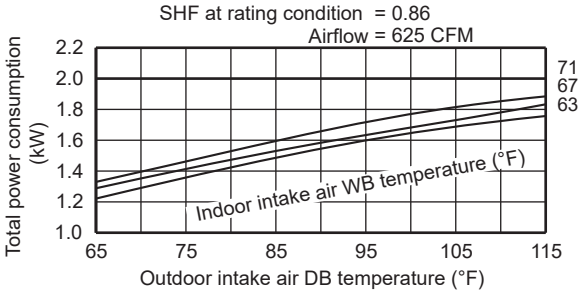
MUZ-HM12NA(H)



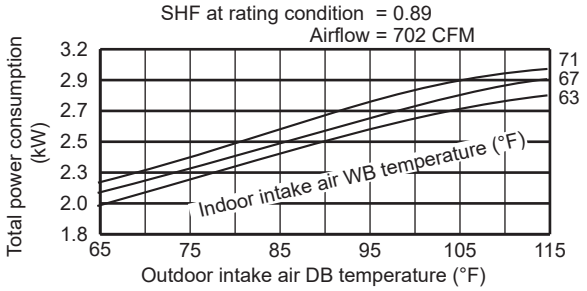
MUZ-HM15NA(H)



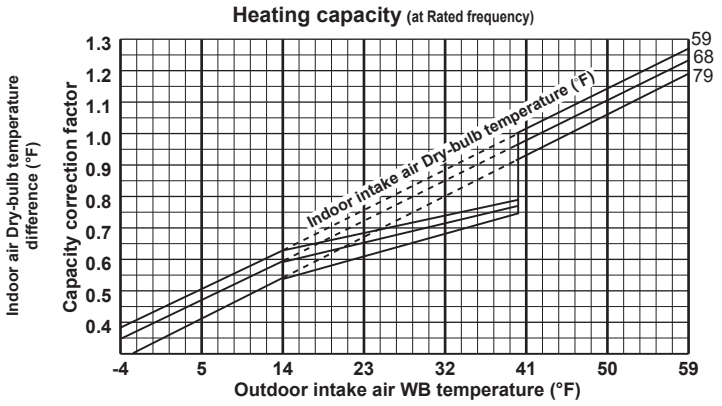
MUZ-HM18NA(H)



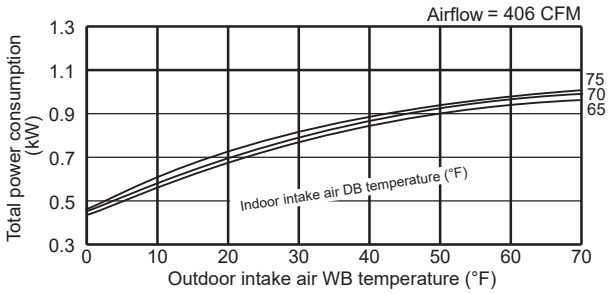
MUZ-HM24NA(H)



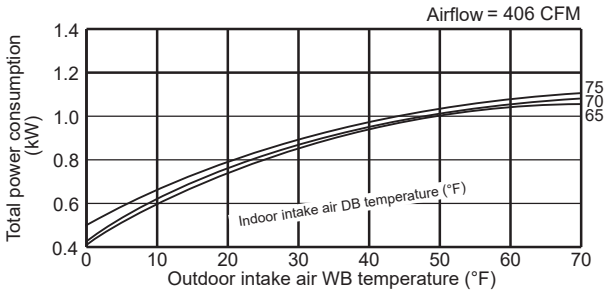
This value of frequency is not the same as the actual frequency in operating.
Refer to A.1.5.1.4 and A.1.5.1.5 for the relationships between frequency and capacity.



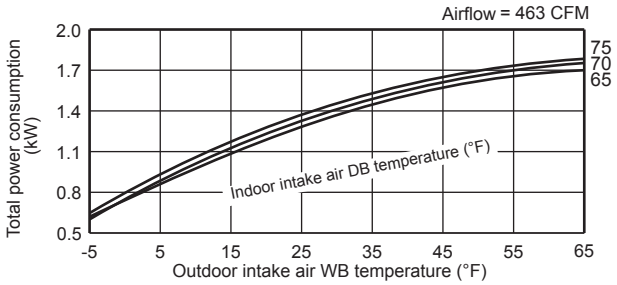
MUZ-HM09NA(H)



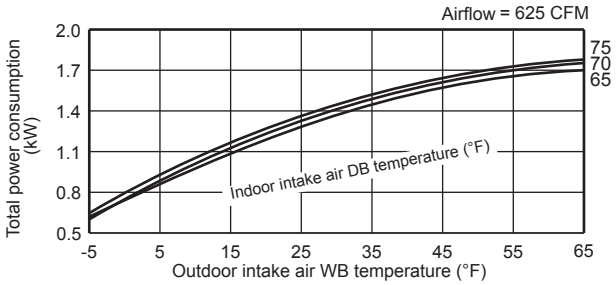
MUZ-HM12NA(H)



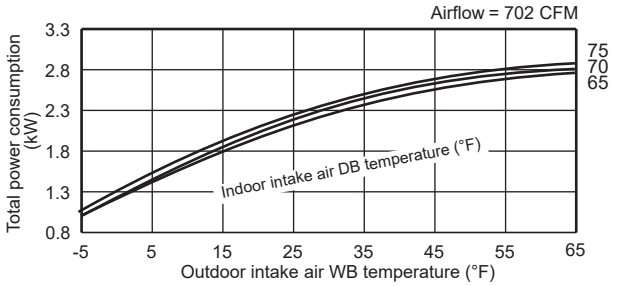
MUZ-HM15NA(H)



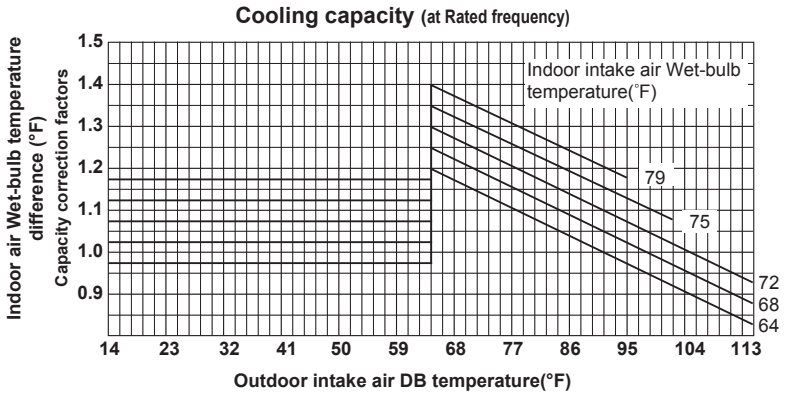
MUZ-HM18NA(H)



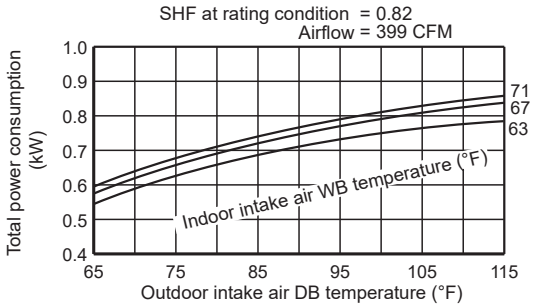
MUZ-HM24NA(H)



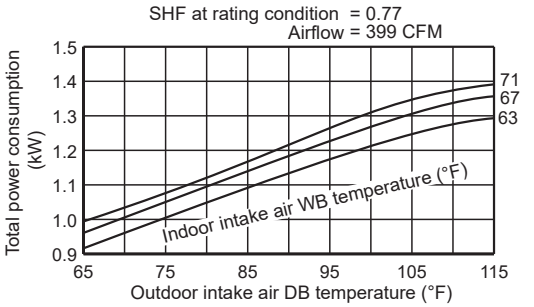
This value of frequency is not the same as the actual frequency in operating.
Refer to A.1.5.1.4 and A.1.5.1.5 for the relationships between frequency and capacity.



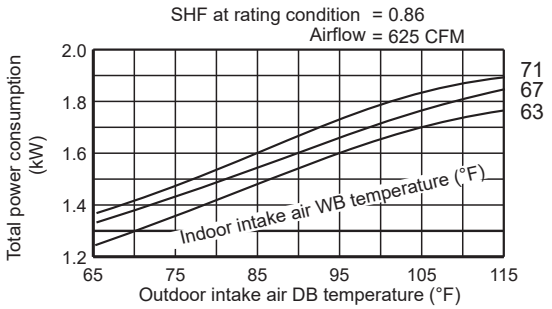
MUZ-WR09NA



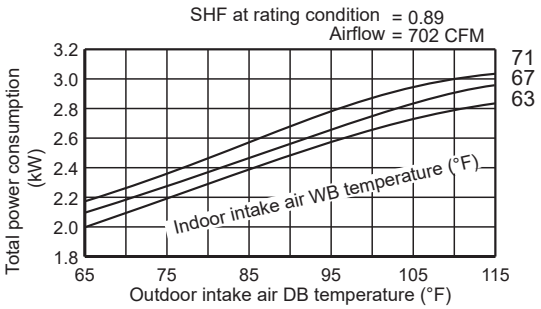
MUZ-WR12NA



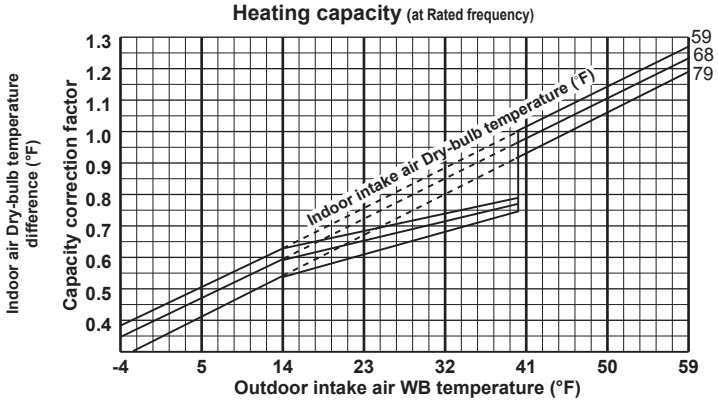
MUZ-WR18NA



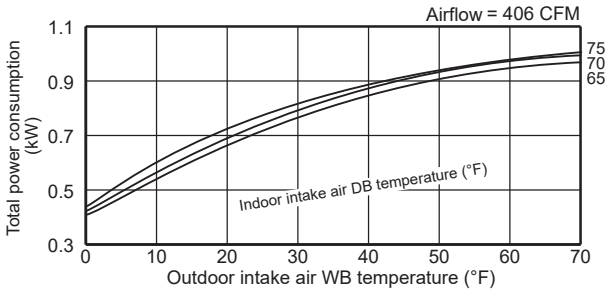
MUZ-WR24NA



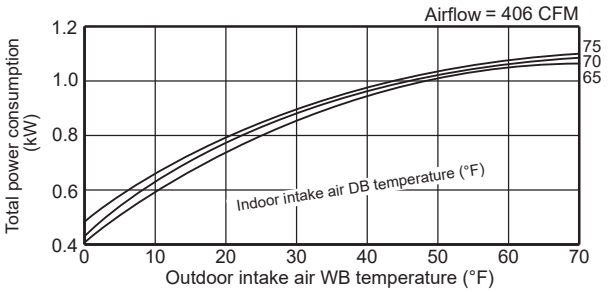
This value of frequency is not the same as the actual frequency in operating.
Refer to A.1.5.1.4 and A.1.5.1.5 for the relationships between frequency and capacity.



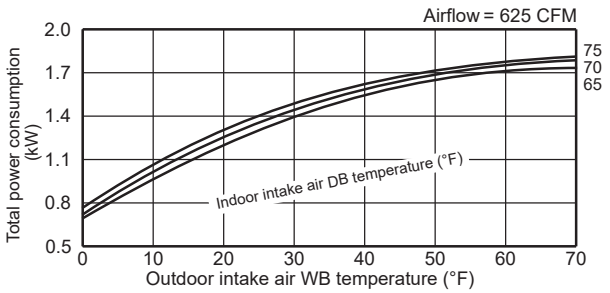
MUZ-WR09NA



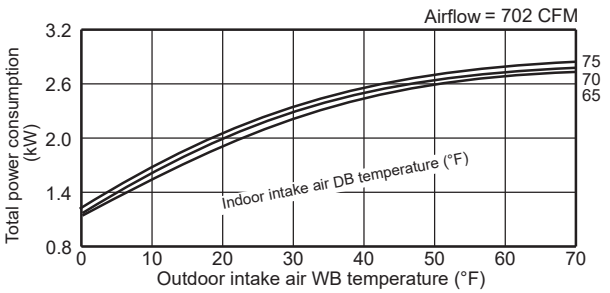
MUZ-WR12NA



MUZ-WR18NA

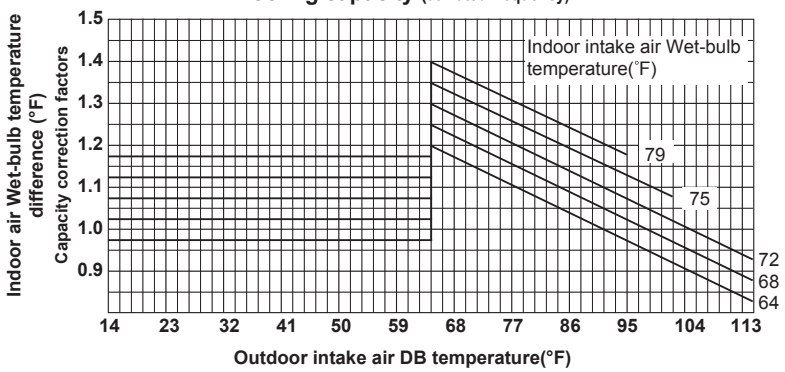


MUZ-WR24NA

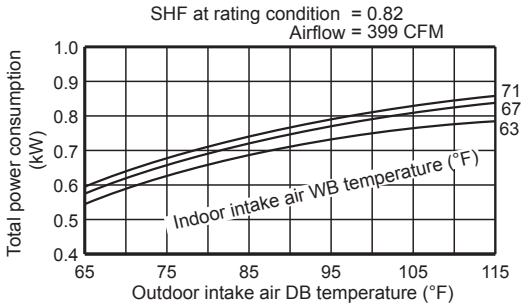


This value of frequency is not the same as the actual frequency in operating.
Refer to A.1.5.1.4 and A.1.5.1.5 for the relationships between frequency and capacity.

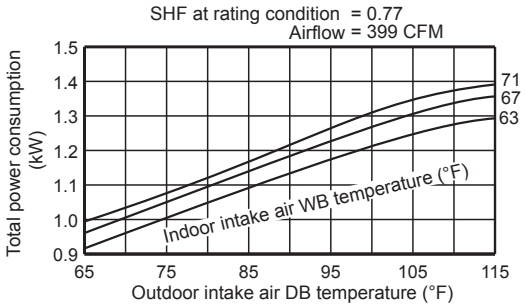
Cooling capacity (at Rated frequency)



MUZ-JP09WA

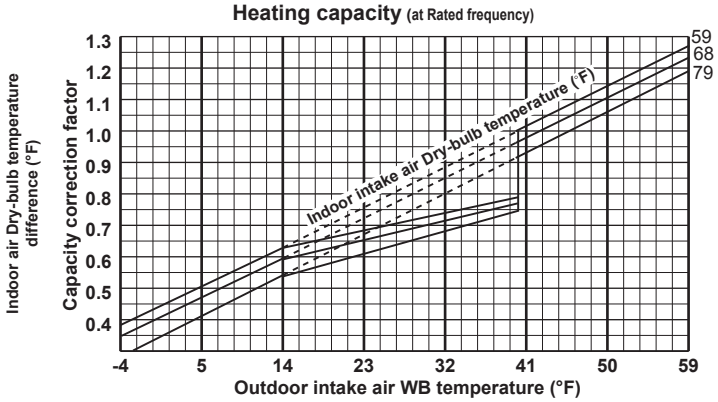


MUZ-JP12WA

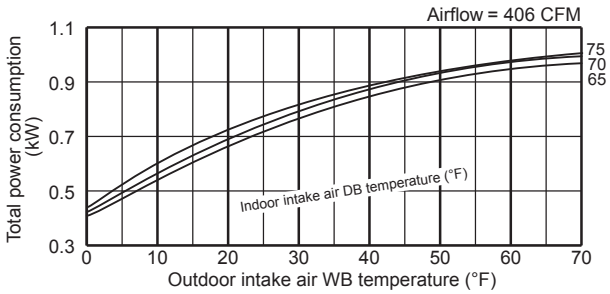


This value of frequency is not the same as the actual frequency in operating.
Refer to A.1.5.1.4 and A.1.5.1.5 for the relationships between frequency and capacity.

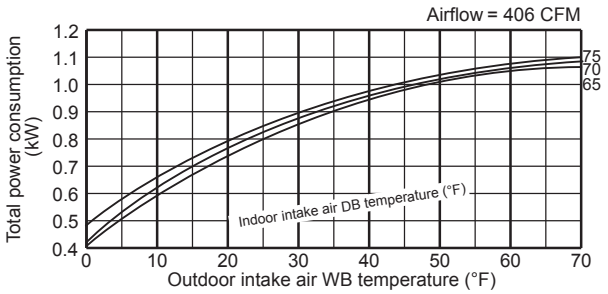
Heating capacity (at Rated frequency)



MUZ-JP09WA



MUZ-JP12WA



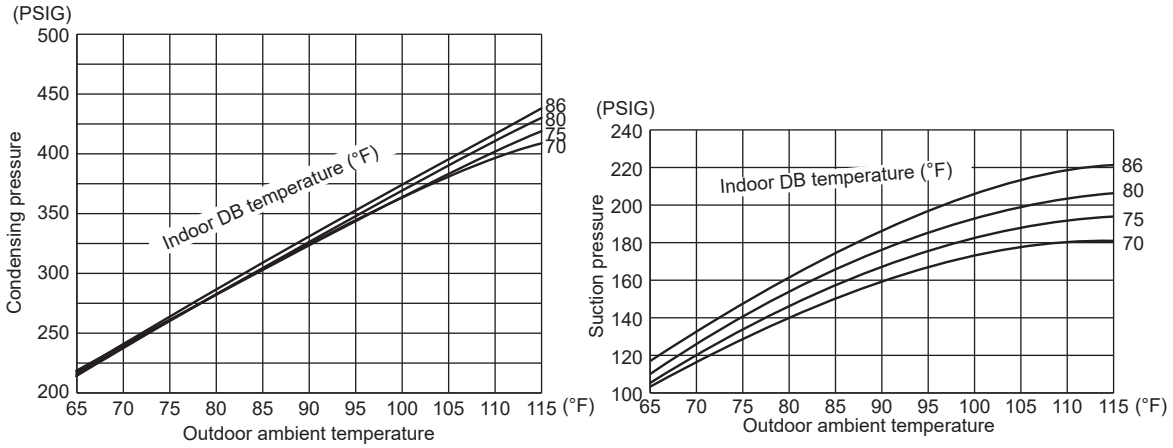
This value of frequency is not the same as the actual frequency in operating.
Refer to A.1.5.1.4 and A.1.5.1.5 for the relationships between frequency and capacity.

A.1.5.1.2 CONDENSING PRESSURE

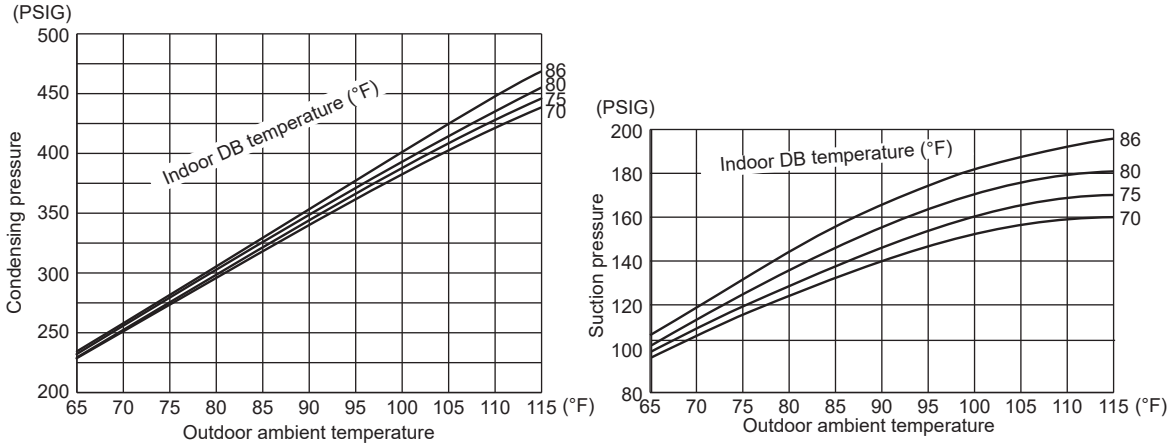
Cooling

Data are based on the condition of indoor humidity 50 %.
Airflow should be set to High speed.

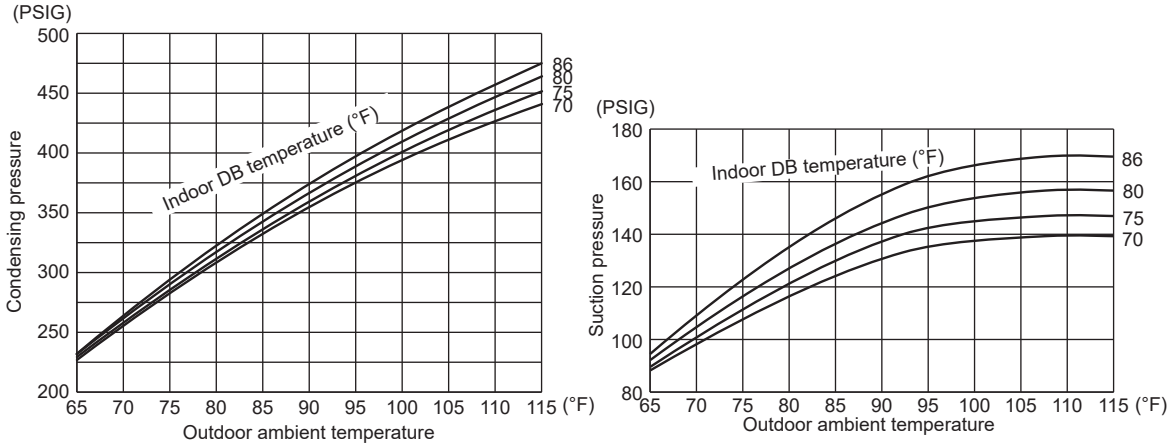
MUZ-FS06NA MUZ-FS06NAH



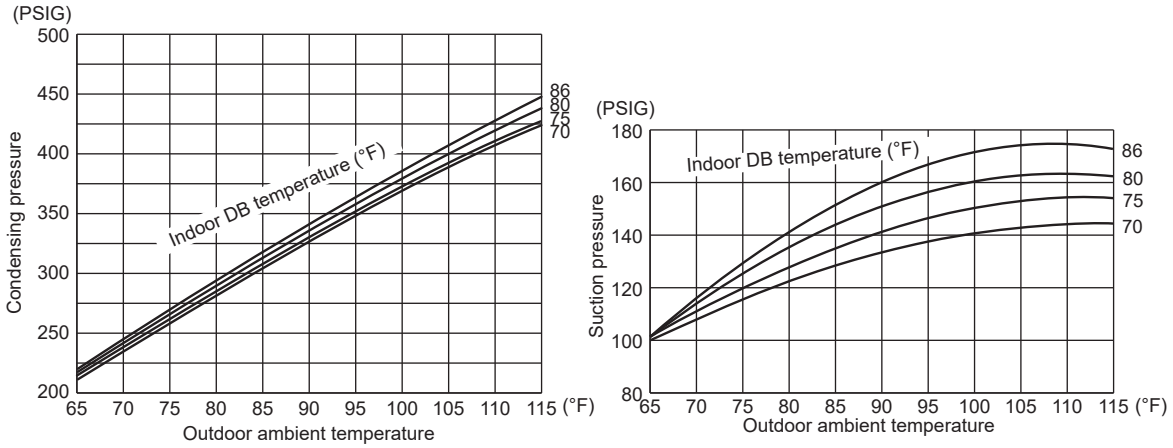
MUZ-FS09NA MUZ-FS09NAH



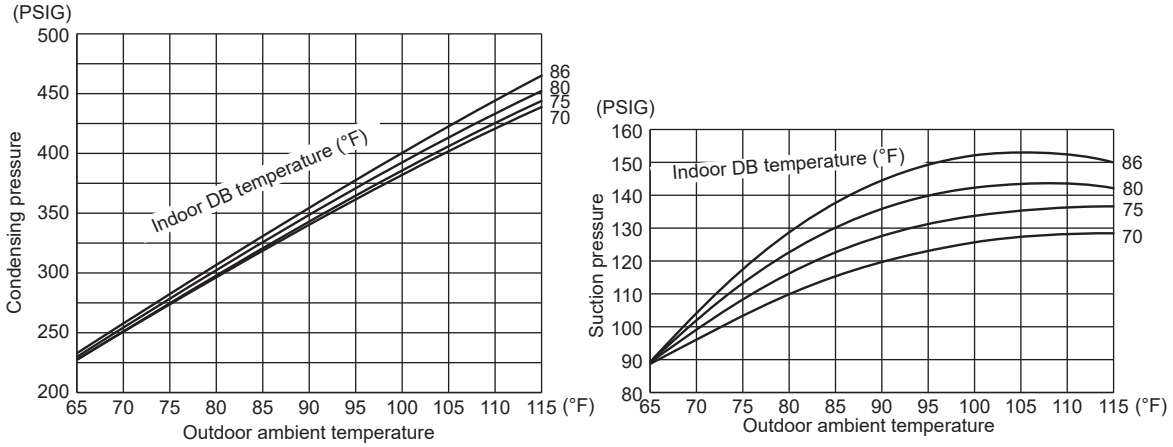
MUZ-FS12NA MUZ-FS12NAH



MUZ-FS15NA MUZ-FS15NAH



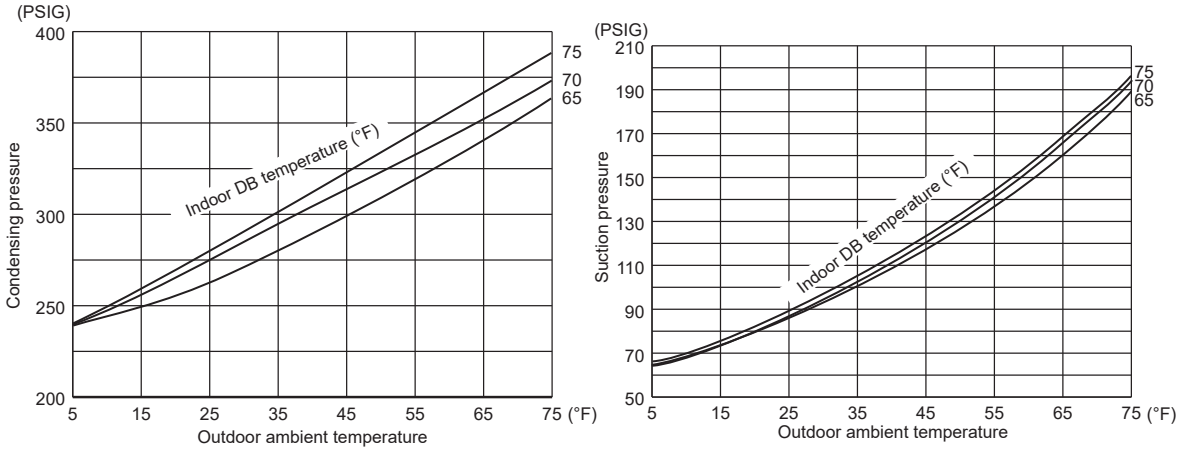
MUZ-FS18NA MUZ-FS18NAH



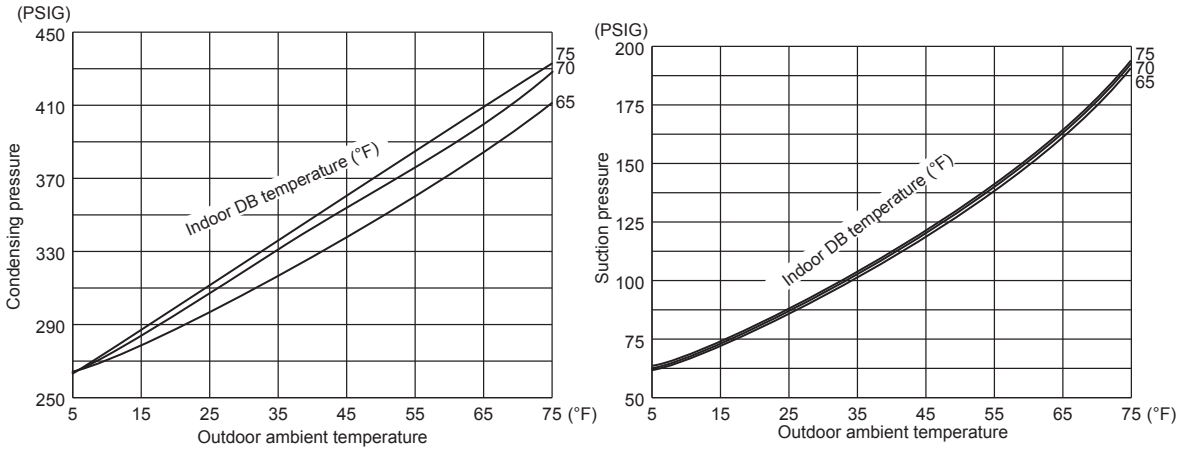
Heating

Data are based on the condition of outdoor humidity 75%.
Airflow should be set to High speed.
Data are for heating operation without any frost.

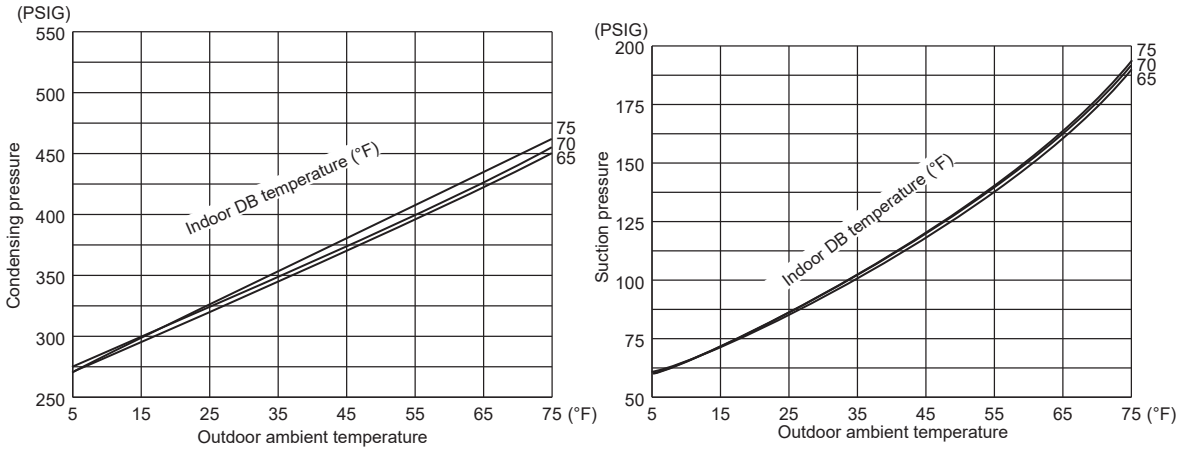
MUZ-FS06NA MUZ-FS06NAH MUZ-FS09NA MUZ-FS09NAH



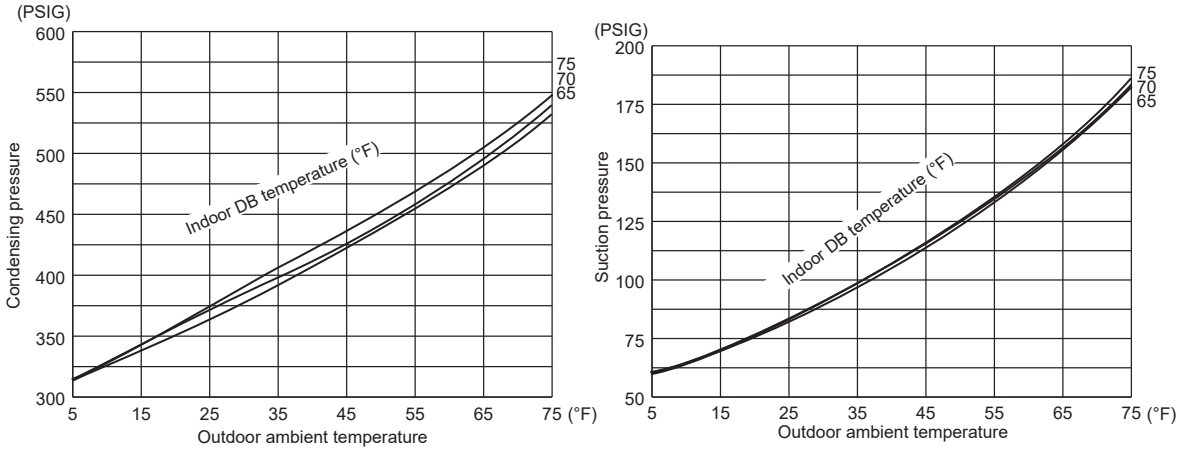
MUZ-FS12NA MUZ-FS12NAH



MUZ-FS15NA MUZ-FS15NAH



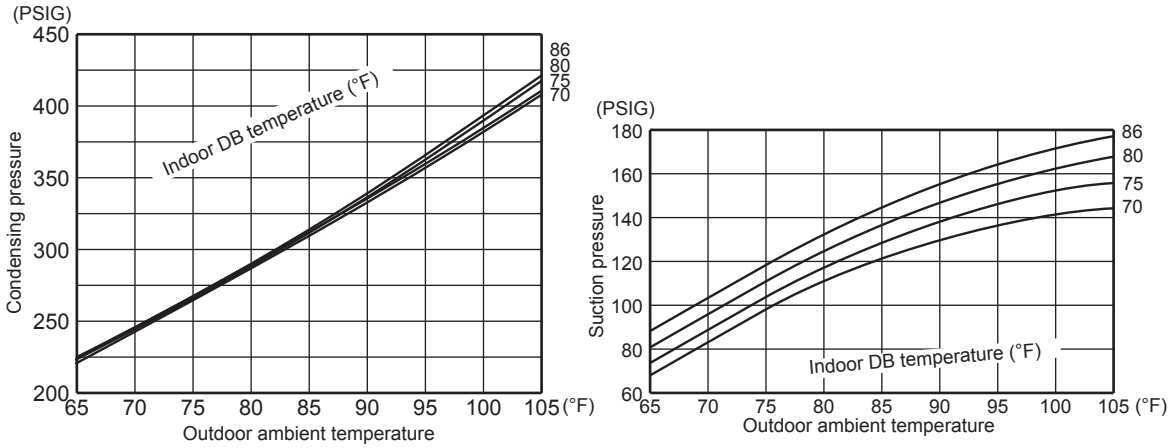
MUZ-FS18NA MUZ-FS18NAH



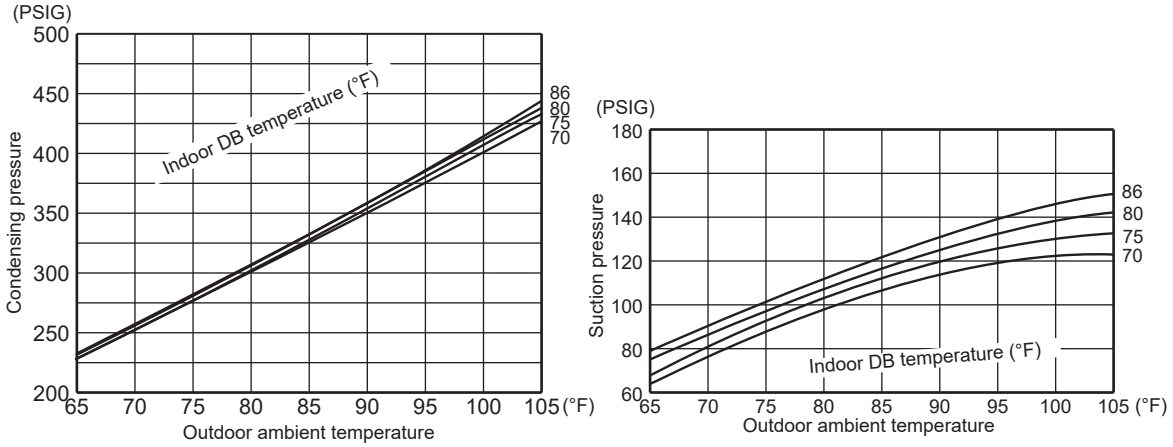
Cooling

Data are based on the condition of indoor humidity 50 %.
Airflow should be set to High speed.

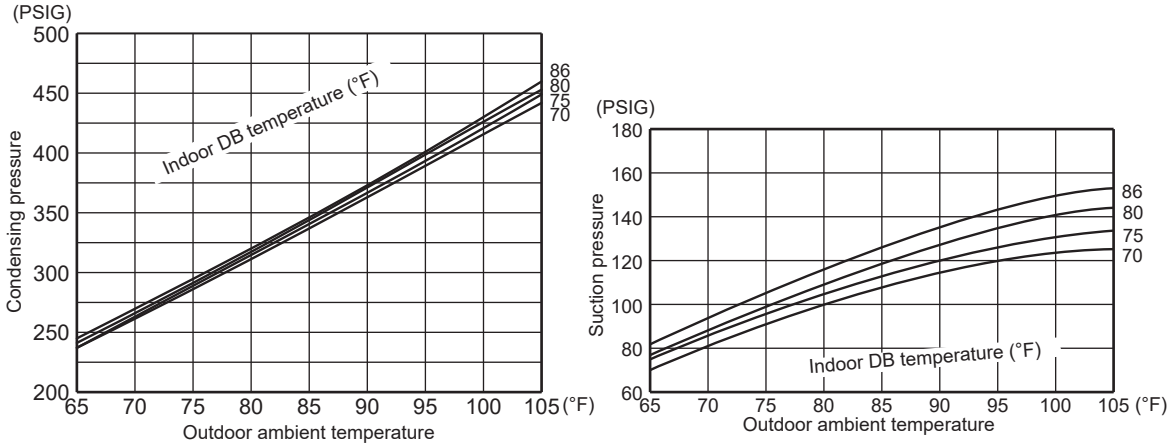
MUZ-GL09NA MUZ-GL09NAH MUY-GL09NA



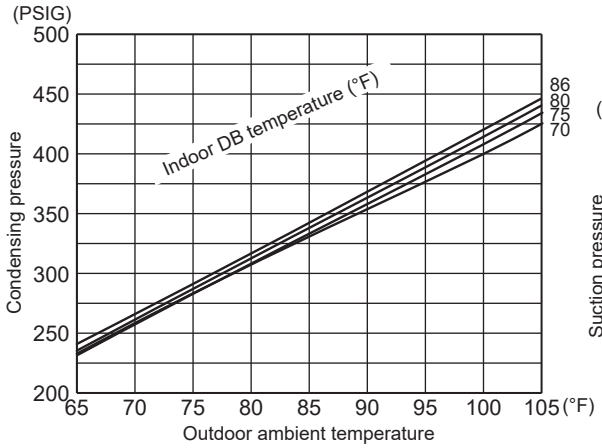
MUZ-GL12NA MUZ-GL12NAH MUY-GL12NA

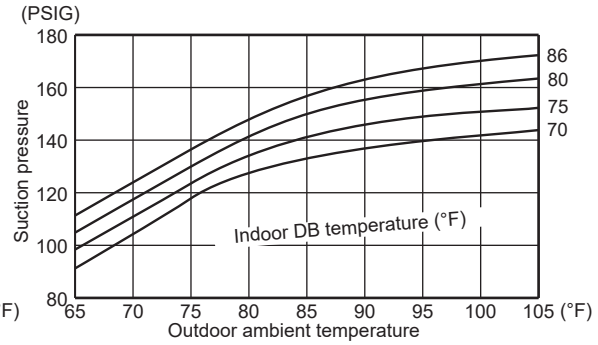


MUZ-GL15NA MUZ-GL15NAH MUY-GL15NA

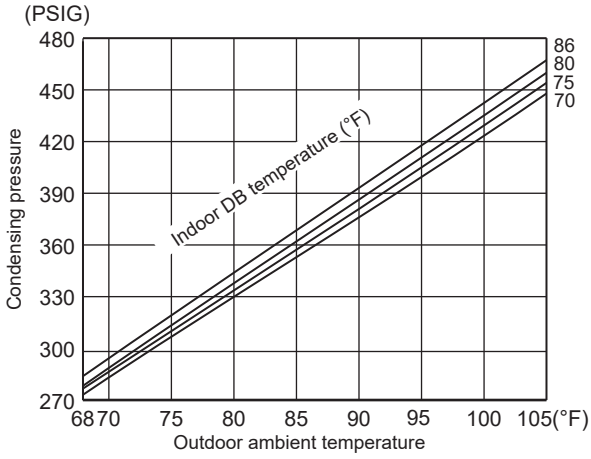


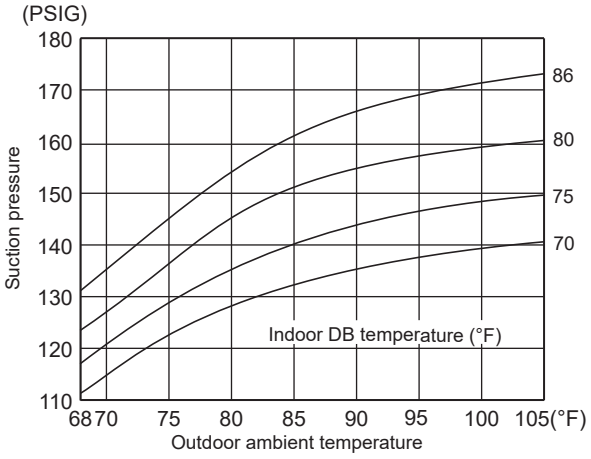
MUZ-GL18NA MUZ-GL18NAH MUY-GL18NA





MUZ-GL24NA MUZ-GL24NAH MUY-GL24NA

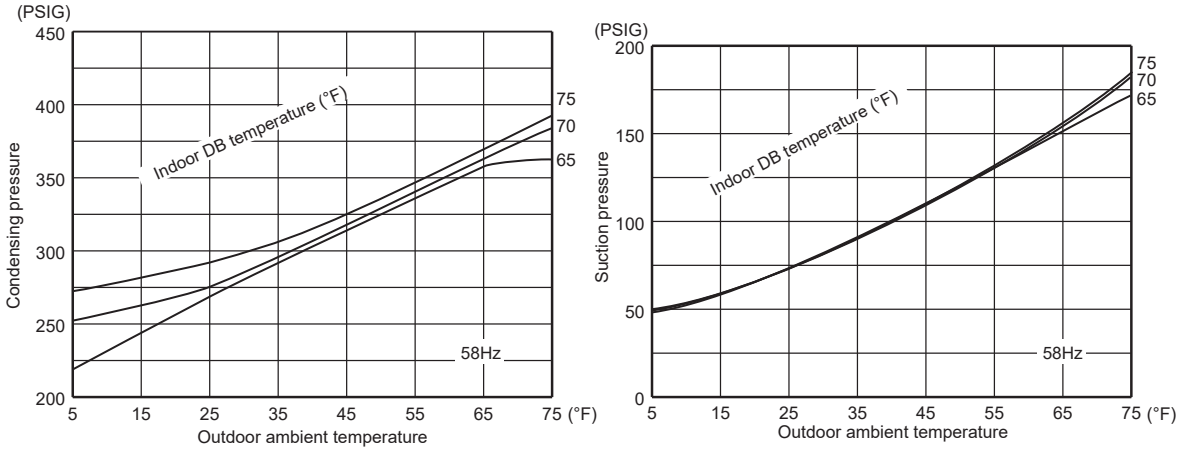




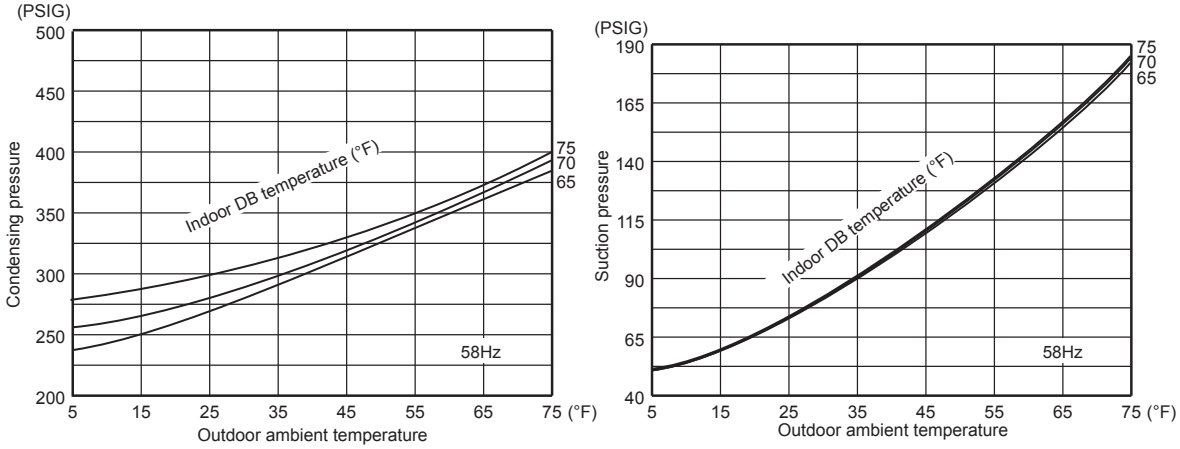
Heating

Data are based on the condition of outdoor humidity 75%.
Airflow should be set to High speed.
Data are for heating operation without any frost.

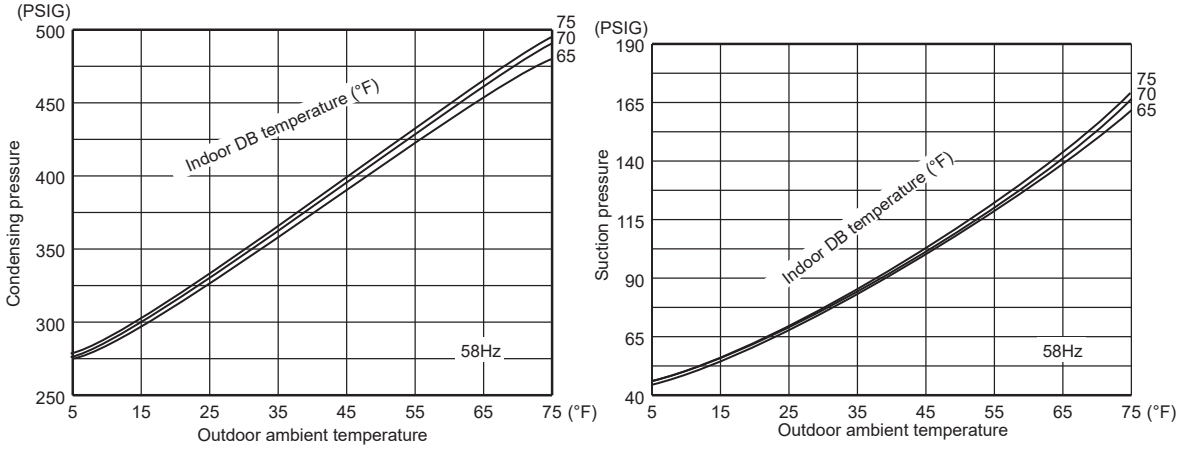
MUZ-GL09NA-U1, U2 MUZ-GL09NAH-U1, U2



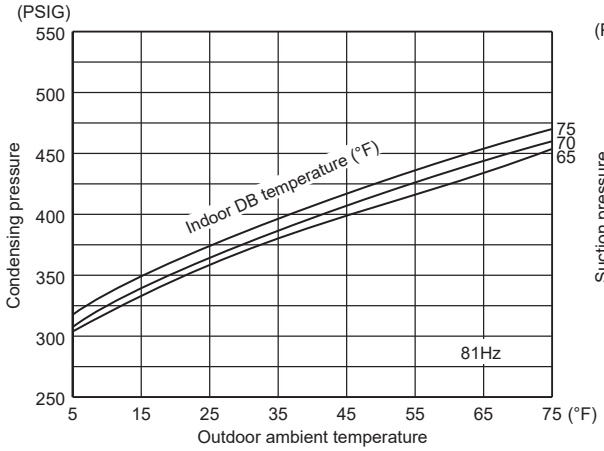
MUZ-GL09NA-U8 MUZ-GL09NAH-U8 MUZ-GL12NA MUZ-GL12NAH

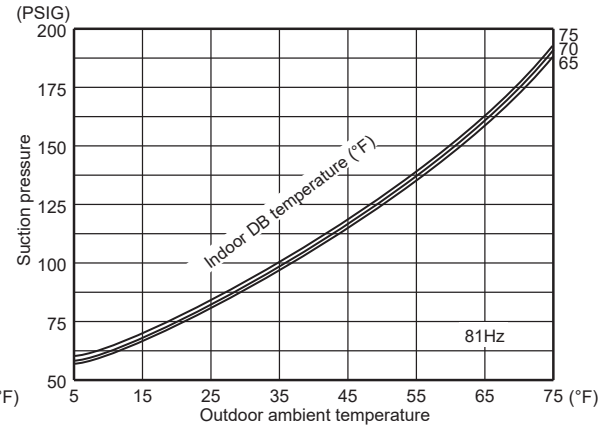


MUZ-GL15NA MUZ-GL15NAH

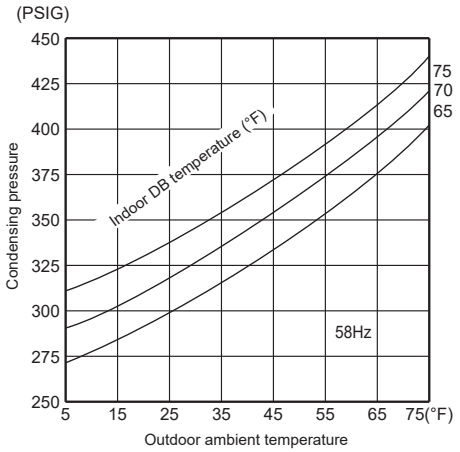


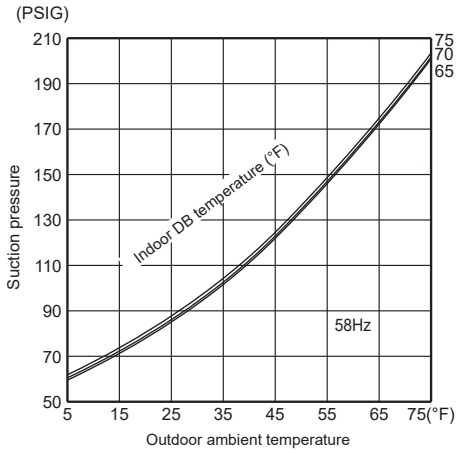
MUZ-GL18NA MUZ-GL18NAH





MUZ-GL24NA MUZ-GL24NAH

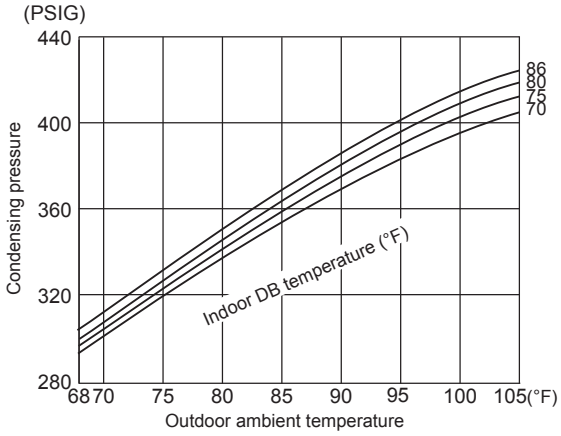


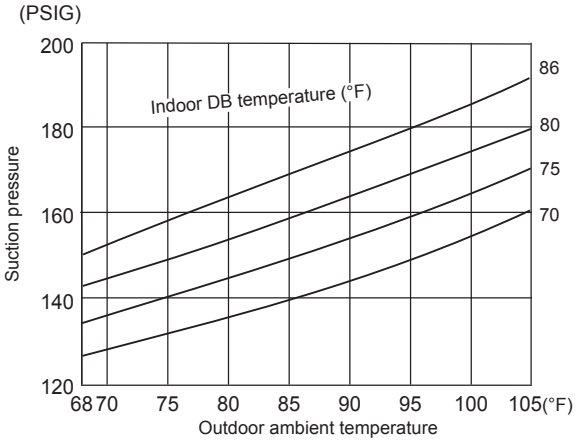


Cooling

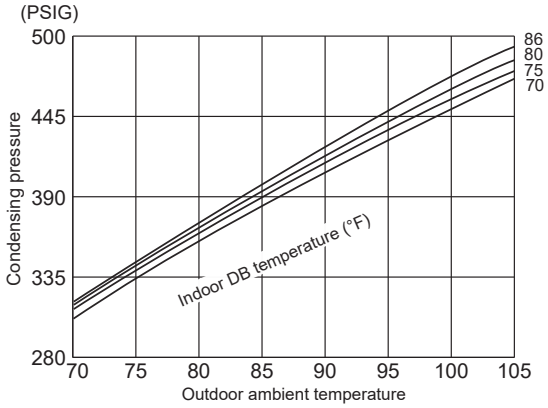
Data are based on the condition of indoor humidity 50 %.
Airflow should be set to High speed.

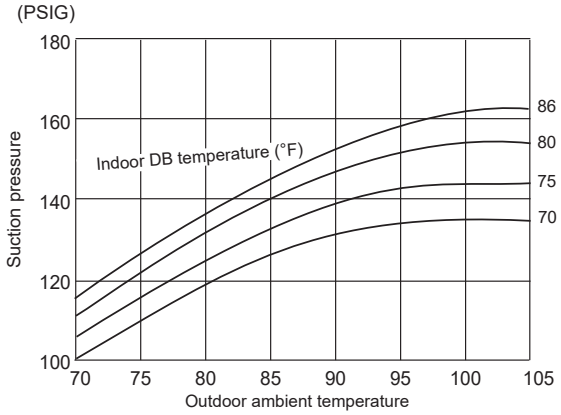
MUZ-HM09NA(H)



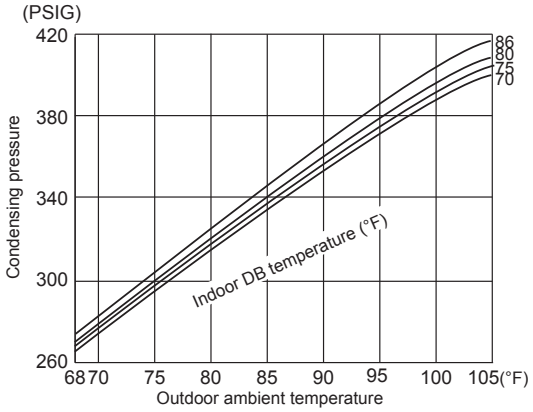


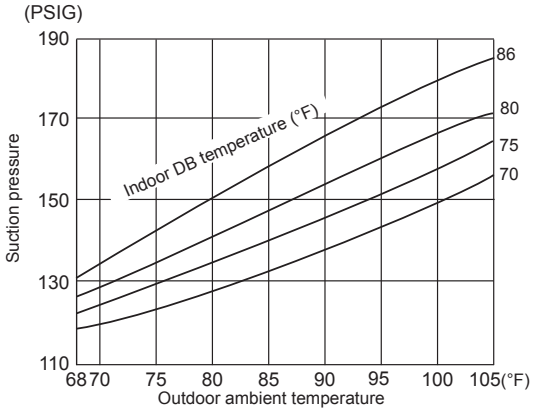
MUZ-HM12NA-U1, U2 MUZ-HM12NAH



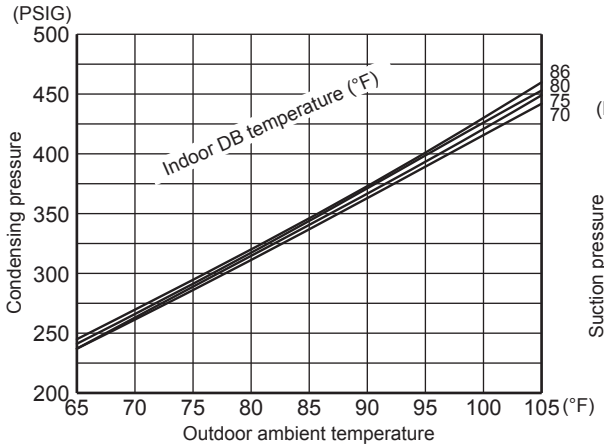


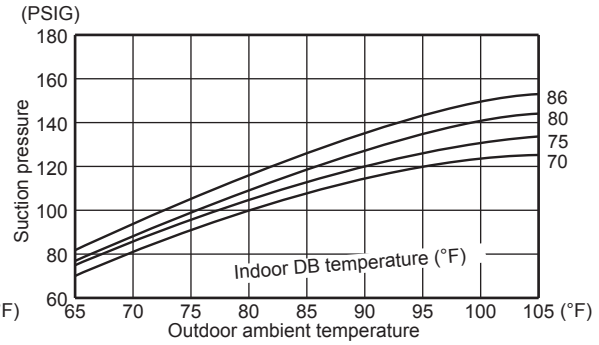
MUZ-HM12NA-U8



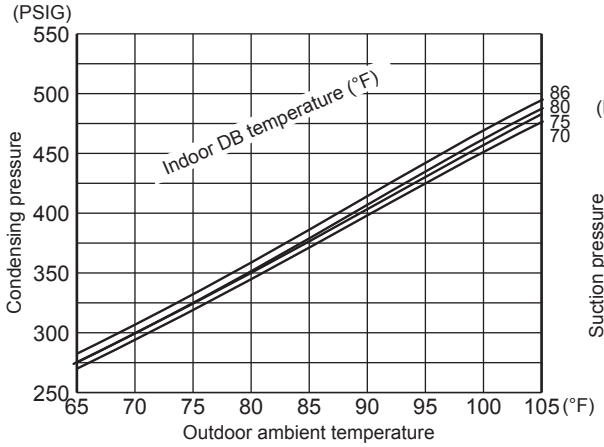


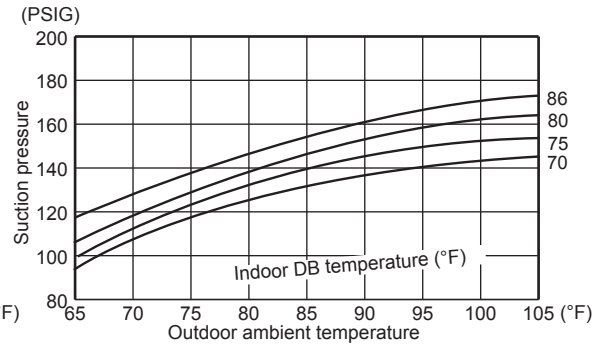
MUZ-HM15NA(H)



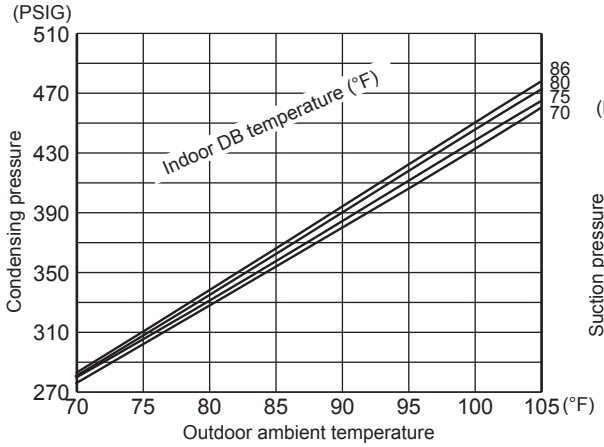


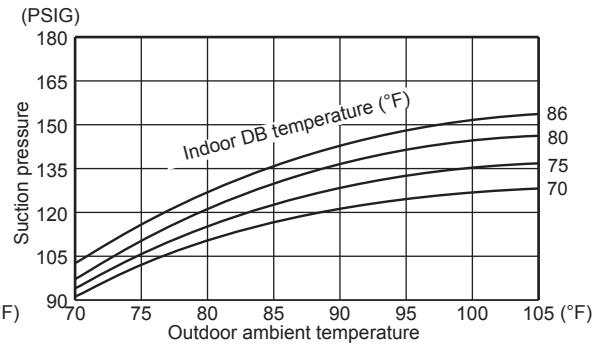
MUZ-HM18NA(H)





MUZ-HM24NA(H)

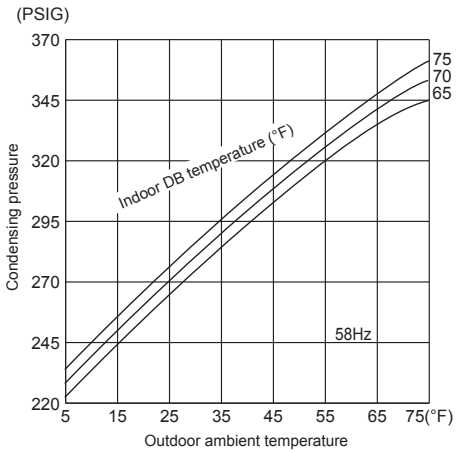


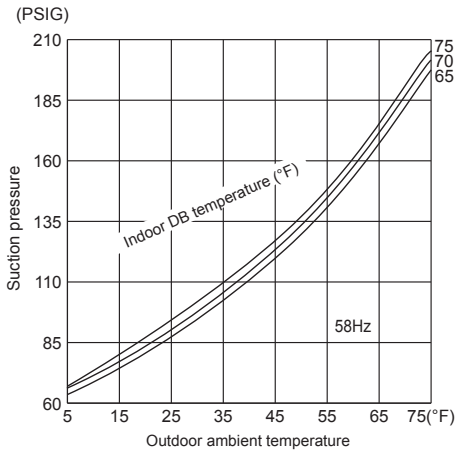


Heating

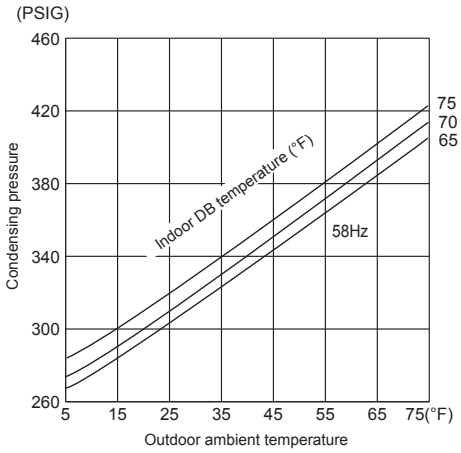
Data are based on the condition of outdoor humidity 75%.
Airflow should be set to High speed.
Data are for heating operation without any frost.

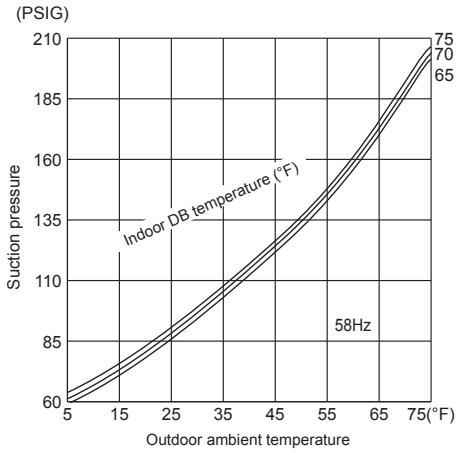
MUZ-HM09NA(H) MUZ-HM12NA-U1, U2 MUZ-HM12NAH



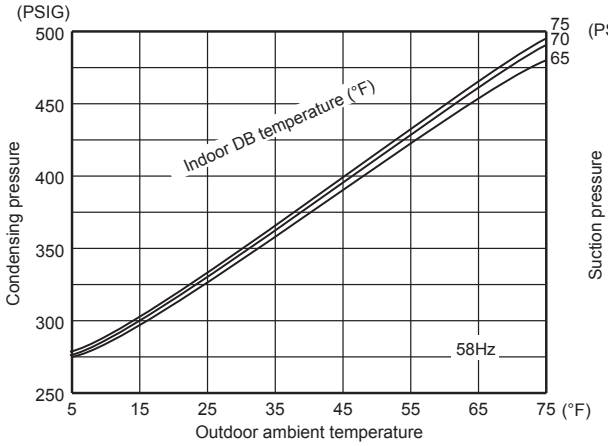


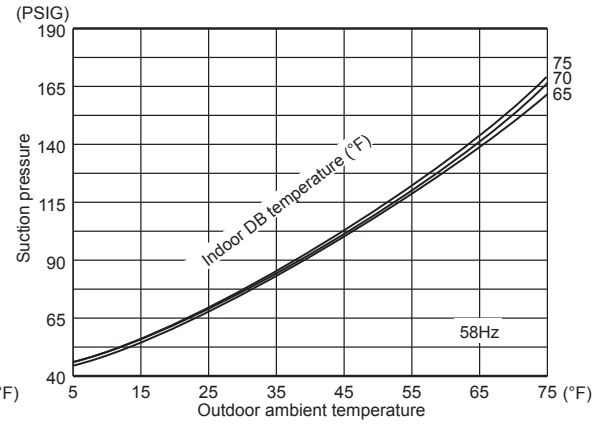
MUZ-HM12NA-U8



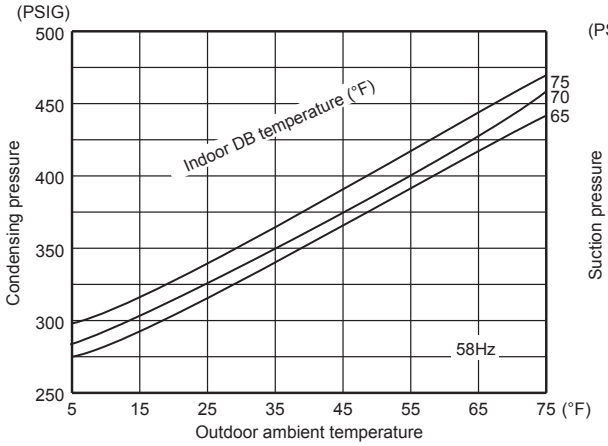


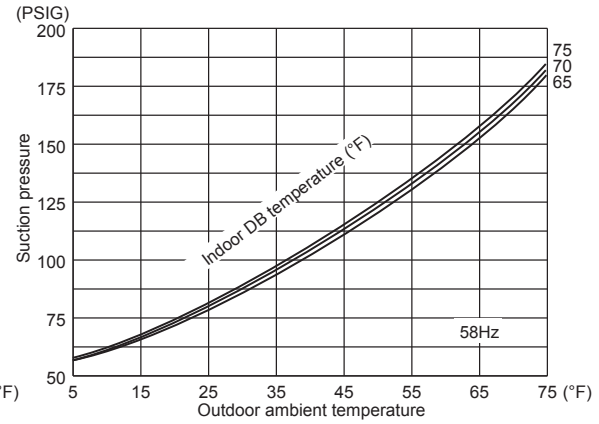
MUZ-HM15NA(H)



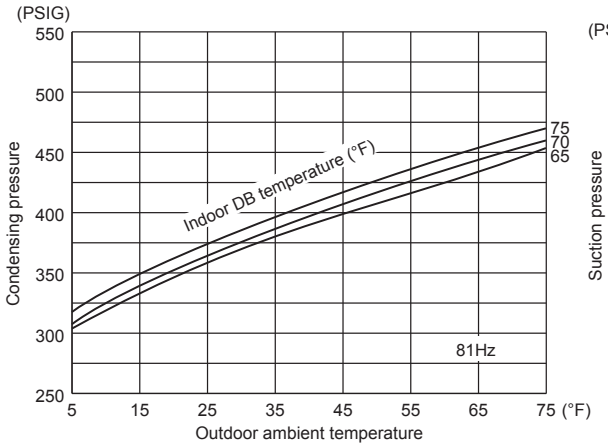


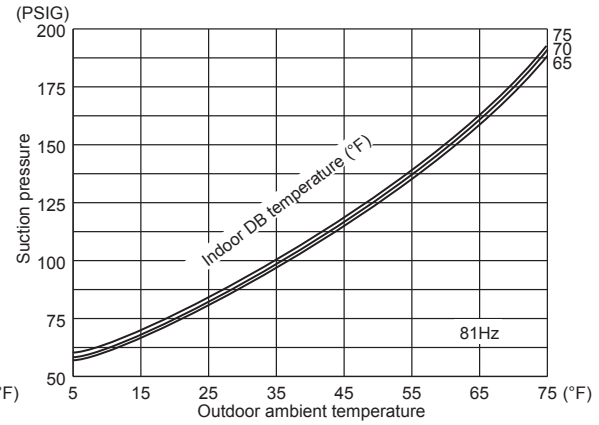
MUZ-HM18NA(H)





MUZ-HM24NA(H)

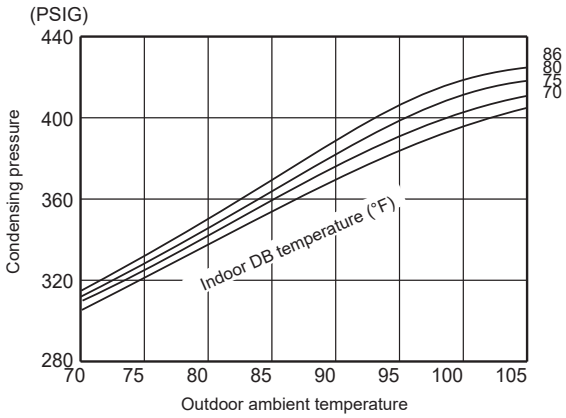


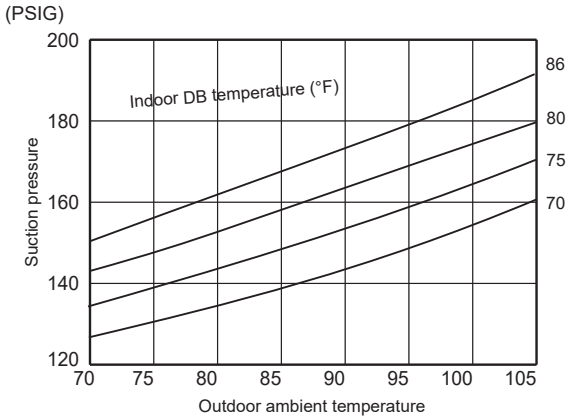


Cooling

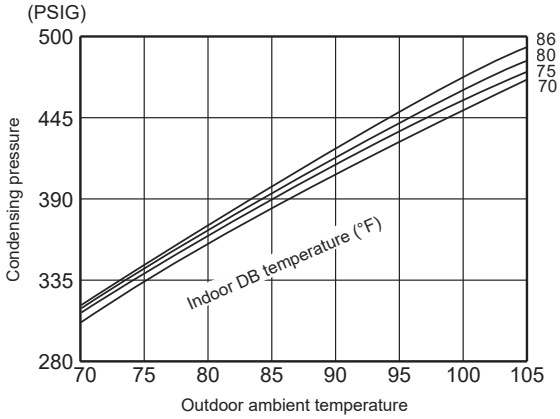
Data are based on the condition of indoor humidity 50 %.
Airflow should be set to High speed.

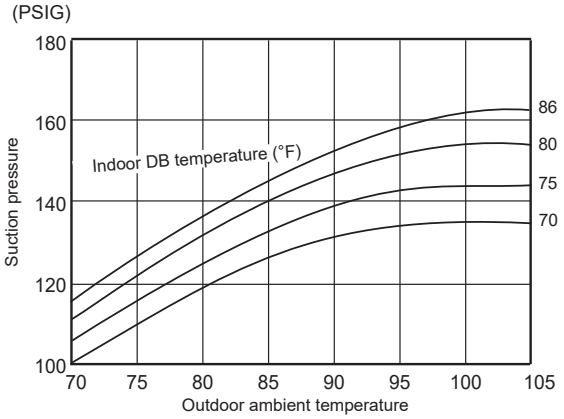
MUZ-WR09NA



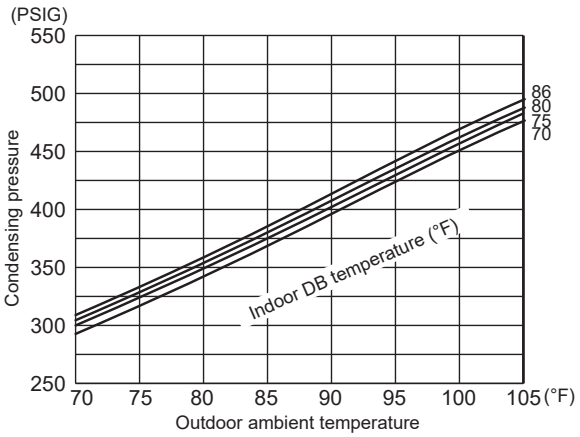


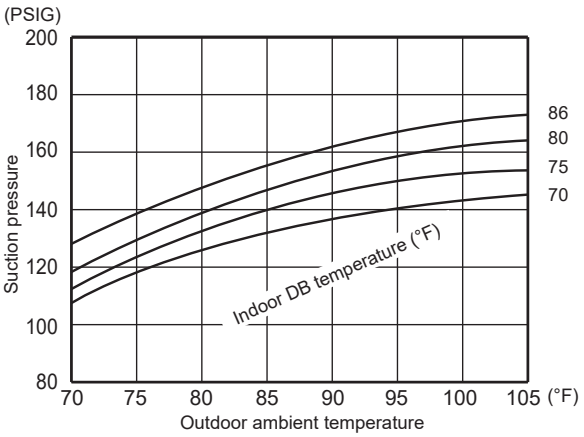
MUZ-WR12NA



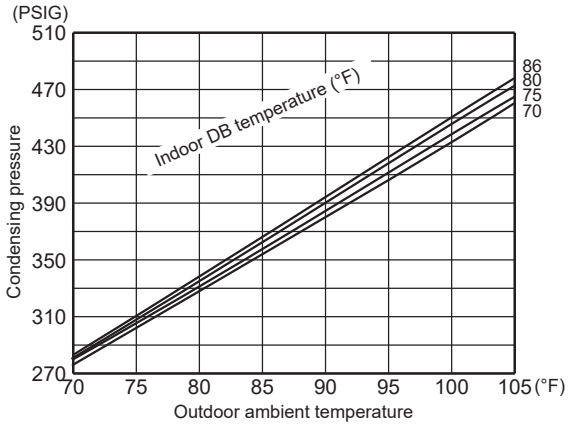


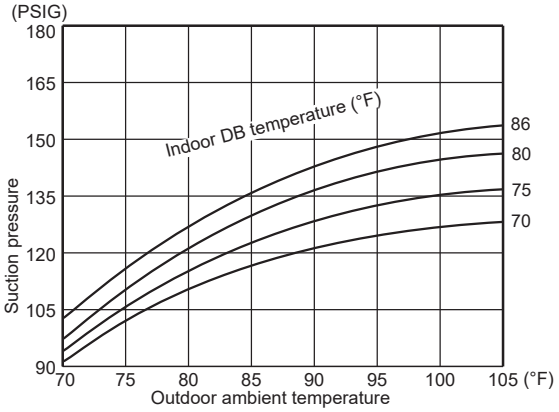
MUZ-WR18NA





MUZ-WR24NA

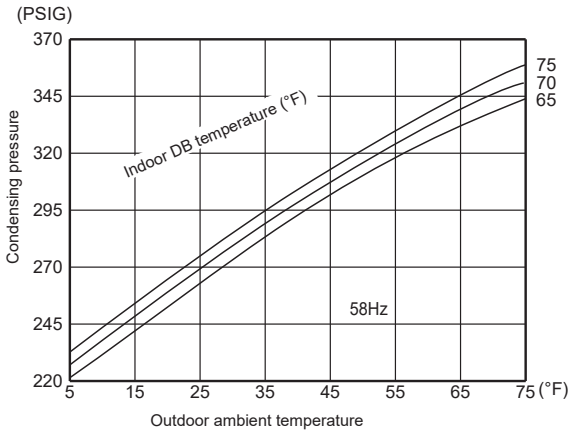

(PSIG)
510
470
430
390
350
310
270
Condensing pressure
Indoor DB temperature (°F)
86
80
75
70
70 75 80 85 90 95 100 105 (°F)
Outdoor ambient temperature

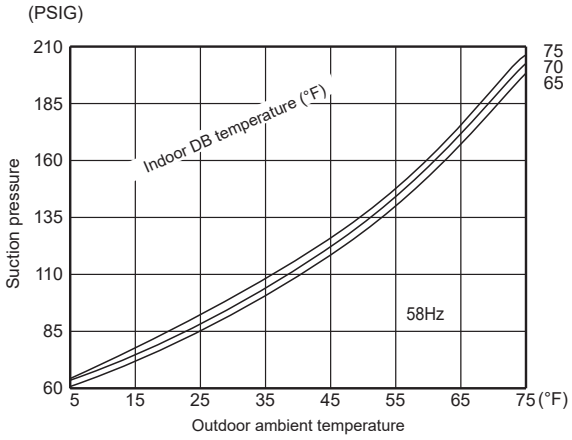

(PSIG)
180
165
150
135
120
105
90
Suction pressure
Indoor DB temperature (°F)
86
80
75
70
70 75 80 85 90 95 100 105 (°F)
Outdoor ambient temperature

Heating

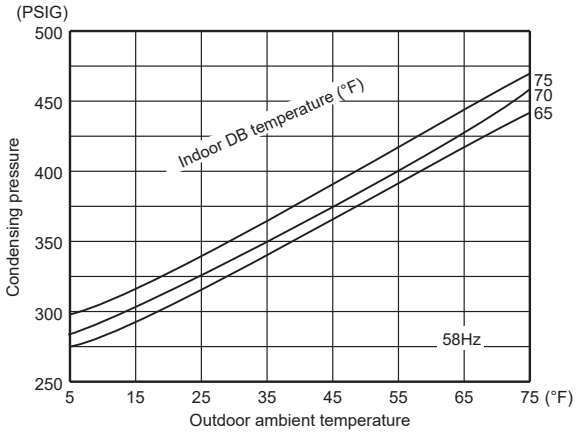
Data are based on the condition of outdoor humidity 75%.
Airflow should be set to High speed.
Data are for heating operation without any frost.

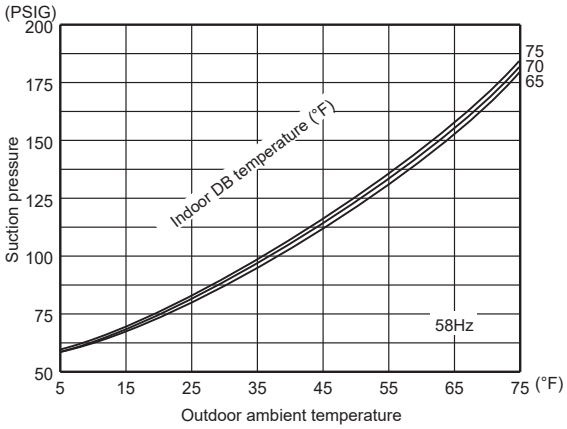
MUZ-WR09NA MUZ-WR12NA



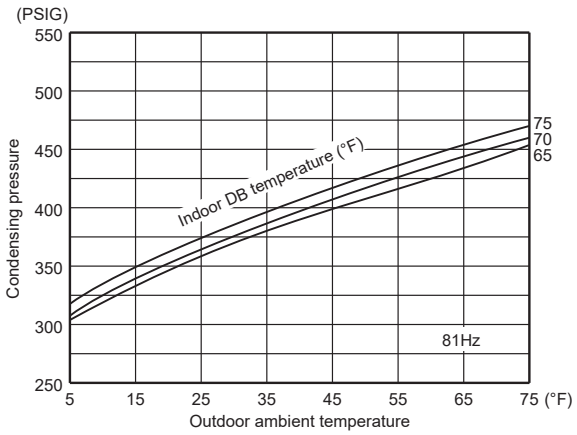


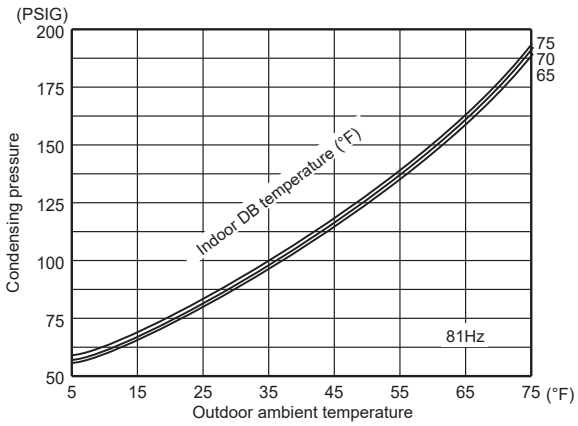
MUZ-WR18NA





MUZ-WR24NA

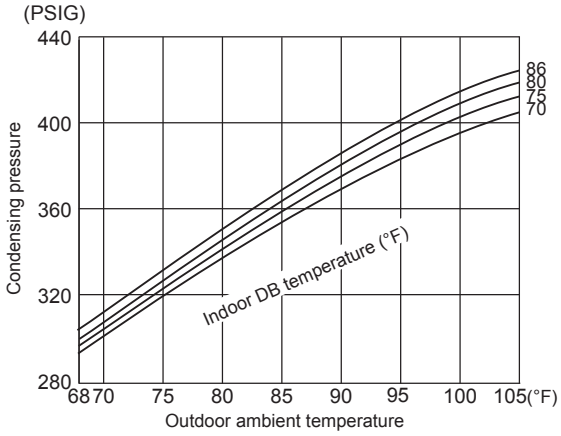


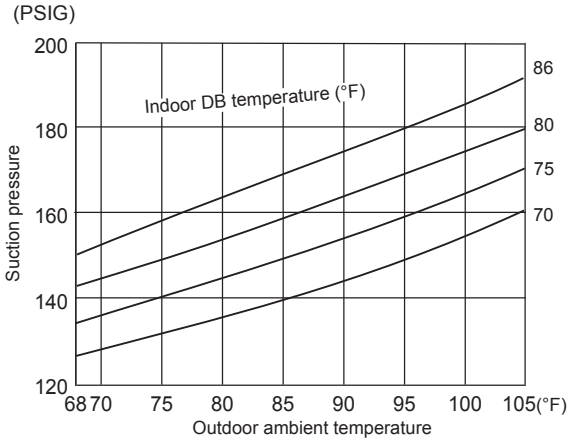


Cooling

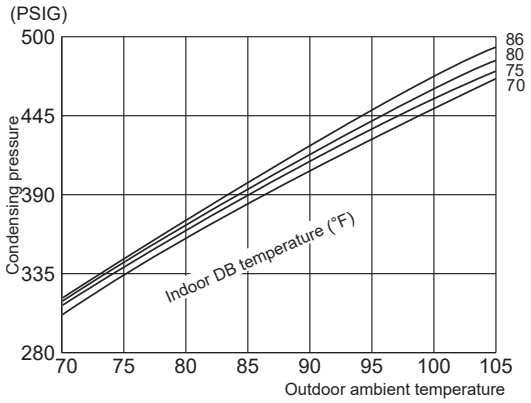
Data are based on the condition of indoor humidity 50 %.
Airflow should be set to High speed.

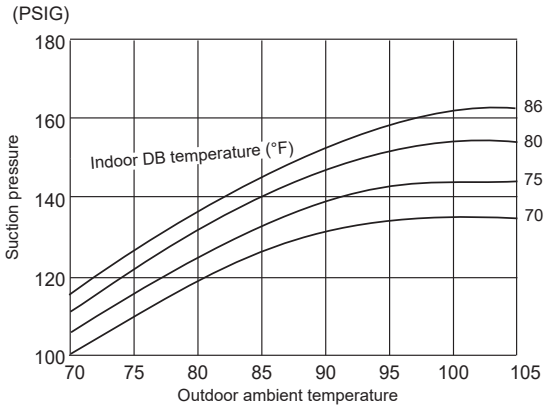
MUZ-JP09WA





MUZ-JP12WA

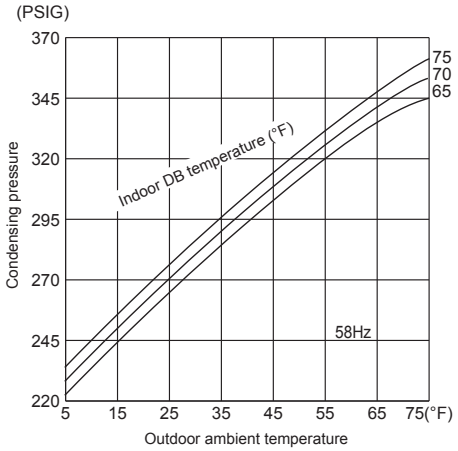


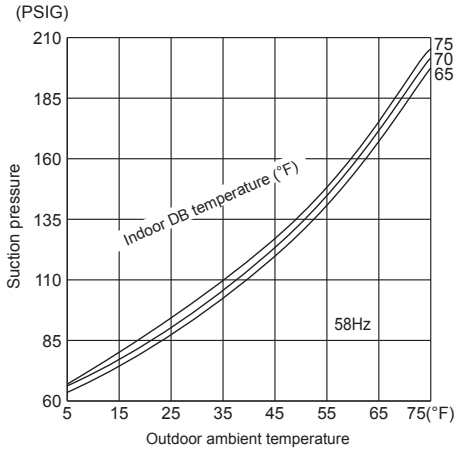


Heating

Data are based on the condition of outdoor humidity 75%.
Airflow should be set to High speed.
Data are for heating operation without any frost.

MUZ-JP09WA MUZ-JP12WA





A.1.5.1.3 STANDARD OPERATION DATA

Model				MSZ-FS06NA		MSZ-FS09NA		MSZ-FS12NA		MSZ-FS15NA		MSZ-FS18NA	
Item			Unit	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Total	Capacity		Btu/h	6,000	8,700	9,000	9,600	12,000	12,300	14,000	16,000	17,200	19,000
	SHF		—	0.96	—	0.92	—	0.83	—	0.70	—	0.67	—
	Input		kW	0.315	0.545	0.560	0.620	0.870	0.850	1.000	1.155	1.375	1.610
	Rated frequency		Hz	28	51	47.5	51	46	49	45	45	58	58
Electrical circuit	Indoor unit			MSZ-FS06NA		MSZ-FS09NA		MSZ-FS12NA		MSZ-FS15NA		MSZ-FS18NA	
	Power supply		V, phase, Hz	208/230, 1, 60									
	Input		kW	Cooling: 0.019 Heating: 0.025				Cooling: 0.025 Heating: 0.027		Cooling: 0.025 Heating: 0.036			
	Fan motor current		A	Cooling: 0.21/0.19 Heating: 0.27/0.24				Cooling: 0.27/0.24 Heating: 0.29/0.26		Cooling: 0.27/0.24 Heating: 0.36/0.33			
	Outdoor unit			MUZ-FS06NA MUZ-FS06NAH		MUZ-FS09NA MUZ-FS09NAH		MUZ-FS12NA MUZ-FS12NAH		MUZ-FS15NA MUZ-FS15NAH		MUZ-FS18NA MUZ-FS18NAH	
	Power supply		V, phase, Hz	208/230, 1, 60									
	Input		kW	0.296	0.520	0.541	0.595	0.845	0.823	0.975	1.119	1.350	1.574
	Comp. current		A	1.33/1.18	2.25/2.01	2.43/2.18	2.55/2.31	3.75/3.39	3.63/3.28	3.86/3.49	4.32/3.91	5.63/5.09	6.54/5.91
	Fan motor current		A	0.36/0.33	0.39/0.35	0.36/0.33	0.39/0.35	0.41/0.37	0.40/0.36	0.85/0.77	0.95/0.86	0.85/0.77	0.95/0.86
Refrigerant circuit	Condensing pressure		PSIG	336	295	360	295	377	333	345	363	361	410
	Suction pressure		PSIG	175	110	152	110	137	104	139	109	123	107
	Discharge temperature		˚F	133	139	146	139	163	150	143	163	153	178
	Condensing temperature		˚F	104	94	108	94	112	102	106	108	109	117
	Suction temperature		˚F	69	46	61	46	63	41	53	46	47	44
	Comp. shell bottom temperature		˚F	122	126	136	126	151	137	130	142	141	159
	Ref. pipe length		ft.	25									
	Refrigerant charge (R410A)			2 lb. 9 oz.						3 lb 7 oz.			
Indoor unit	Intake air temperature	DB	˚F	80	70	80	70	80	70	80	70	80	70
		WB	˚F	67	60	67	60	67	60	67	60	67	60
	Discharge air temperature	DB	˚F	64	92	58	92	57	100	56	103	52	112
		WB	˚F	60	—	55	—	54	—	54	—	51	—
	Fan speed (High)		rpm	1,150	1,280	1,150	1,280	1,280	1,320	1,280	1,460	1,280	1,460
	Airflow (High)		CFM	328 (Wet)	437	328 (Wet)	437	376 (Wet)	454	376 (Wet)	514	376 (Wet)	514
Outdoor unit	Intake air temperature	DB	˚F	95	47	95	47	95	47	95	47	95	47
		WB	˚F	—	43	—	43	—	43	—	43	—	43
	Fan speed		rpm	860	890	860	890	910	900	740	800	740	800
	Airflow		CFM	1,141	1,183	1,141	1,183	1,215	1,201	1,801	1,949	1,801	1,949

Model				MSZ-GL09NA-U1 MSZ-GL09NA-U2		MSZ-GL09NA-U8		MSY-GL09NA-U1 MSY-GL09NA-U2	
Item			Unit	Cooling	Heating	Cooling	Heating	Cooling	
Total	Capacity		Btu/h	9,000	10,900	9,000	10,900	9,000	
	SHF		—	0.82	—	0.82	—	0.82	
	Input		kW	0.585	0.72	0.585	0.72	0.585	
	Rated		Hz	59.5	72	48	59	59.5	
Electrical circuit	Indoor unit			MSZ-GL09NA		MSZ-GL09NA		MSY-GL09NA	
	Power supply	V, phase, Hz		208/230, 1, 60		208/230, 1, 60		208/230, 1, 60	
	Input		kW	0.022	0.023	0.022	0.023	0.022	
	Fan motor current		A	0.24/0.22	0.25/0.23	0.24/0.22	0.25/0.23	0.24/0.22	
	Outdoor unit			MUZ-GL09NA-U1, U2 MUZ-GL09NAH-U1, U2		MUZ-GL09NA-U8 MUZ-GL09NAH-U8		MUY-GL09NA-U1	MUY-GL09NA-U2
	Power supply	V, phase, Hz		208/230, 1, 60		208/230, 1, 60		208/230, 1, 60	
	Input		kW	0.563	0.697	0.563	0.697	0.563	
	Comp. current		A	2.67/2.41	3.25/2.94	2.45/2.21	3.05/2.76	2.63/2.37	
	Fan motor current		A	0.36/0.33	0.34/0.31	0.36/0.33	0.34/0.31	0.36/0.33	
Refrigerant circuit	Condensing pressure		PSIG	357	345	358	349	358	
	Suction pressure		PSIG	151	107	149	108	149	
	Discharge temperature		˚F	146	156	148	155	154	
	Condensing temperature		˚F	108	102	108	104	108	
	Suction temperature		˚F	61	44	63	44	66	
	Comp. shell bottom temperature		˚F	144	154	140	144	152	
	Ref. pipe length		ft.	25		25		25	
	Refrigerant charge (R410A)			2 lb 5 oz.		2 lb 9 oz.		2 lb 9 oz.	2 lb 5 oz.
Indoor unit	Intake air temperature	DB	˚F	80	70	80	70	80	
		WB	˚F	67	60	67	60	67	
	Discharge air temperature	DB	˚F	59	99	59	99	59	
		WB	˚F	56	—	56	—	56	
	Fan speed (High)		rpm	1,020	1,040	1,020	1,040	1,020	
	Airflow (High)		CFM	367 (Wet)	413	367 (Wet)	413	367 (Wet)	
Outdoor unit	Intake air temperature	DB	˚F	95	47	95	47	95	
		WB	˚F	—	—	—	—	—	
	Fan speed		rpm	900	860	900	860	900	
	Airflow		CFM	1,229	1,172	1,229	1,172	1,229	

Model				MSZ-GL12NA		MSY-GL12NA	MSZ-GL15NA		MSY-GL15NA
Item			Unit	Cooling	Heating	Cooling	Cooling	Heating	Cooling
Total	Capacity		Btu/h	12,000	14,400	12,000	14,000	18,000	14,000
	SHF		—	0.77	—	0.77	0.78	—	0.78
	Input		kW	0.920	1.10	0.920	1.080	1.60	1.080
	Rated		Hz	70	77	70	56.5	74	56.5
Electrical circuit	Indoor unit			MSZ-GL12NA		MSY-GL12NA	MSZ-GL15NA		MSY-GL15NA
	Power supply	V, phase, Hz		208/230, 1, 60		208/230, 1, 60	208/230, 1, 60		208/230, 1, 60
	Input		kW	0.022	0.023	0.022	0.043	0.030	0.043
	Fan motor current		A	0.24/0.22	0.25/0.23	0.24/0.22	0.43/0.39	0.34/0.31	0.43/0.39
	Outdoor unit			MUZ-GL12NA MUZ-GL12NAH		MUY-GL12NA	MUZ-GL15NA MUZ-GL15NAH		MUY-GL15NA
	Power supply	V, phase, Hz		208/230, 1, 60		208/230, 1, 60	208/230, 1, 60		208/230, 1, 60
	Input		kW	0.898	1.077	0.898	1.037	1.570	1.037
	Comp. current		A	4.01/3.62	4.86/4.39	4.01/3.62	4.51/4.08	7.11/6.43	4.51/4.08
	Fan motor current		A	0.41/0.37	0.40/0.36	0.41/0.37	0.41/0.37	0.40/0.36	0.41/0.37
Refrigerant circuit	Condensing pressure		PSIG	380	402	380	396	427	396
	Suction pressure		PSIG	133	106	133	138	98	138
	Discharge temperature		˚F	166	167	166	168	178	168
	Condensing temperature		˚F	112	115	112	115	120	115
	Suction temperature		˚F	60	35	60	61	31	61
	Comp. shell bottom temperature		˚F	152	150	152	152	158	152
	Ref. pipe length		ft.	25		25	25		25
	Refrigerant charge (R410A)			2 lb 9 oz.		2 lb 9 oz.	2 lb 9 oz.		2 lb 9 oz.
Indoor unit	Intake air temperature	DB	˚F	80	70	80	80	70	80
		WB	˚F	67	60	67	67	60	67
	Discharge air temperature	DB	˚F	57	110	57	58	114	58
		WB	˚F	55	—	55	56	—	56
	Fan speed (High)		rpm	1,020	1,040	1,020	1,280	1,140	1,280
	Airflow (High)		CFM	367 (Wet)	413	367 (Wet)	498 (Wet)	463	498 (Wet)
Outdoor unit	Intake air temperature	DB	˚F	95	47	95	95	47	95
		WB	˚F	—	43	—	—	43	—
	Fan speed		rpm	900	860	900	910	900	910
	Airflow		CFM	1,229	1,172	1,229	1,243	1,229	1,243

Model				MSZ-GL18NA		MSY-GL18NA	MSZ-GL24NA		MSY-GL24NA
Item			Unit	Cooling	Heating	Cooling	Cooling	Heating	Cooling
Total	Capacity		Btu/h	18,000	21,600	18,000	22,500	27,600	22,500
	SHF		—	0.87	—	0.87	0.75	—	0.75
	Input		kW	1.34	1.68	1.34	1.80	2.34	1.80
	Rated		Hz	69	81	69	67.5	82.0	67.5
Electrical circuit	Indoor unit			MSZ-GL18NA		MSY-GL18NA	MSZ-GL24NA		MSY-GL24NA
	Power supply	V, phase, Hz		208/230, 1, 60		208/230, 1, 60	208/230, 1, 60		208/230, 1, 60
	Input		kW	0.045		0.045	0.058		0.058
	Fan motor current		A	0.46/0.42		0.46/0.42	0.56/0.51		0.56/0.51
	Outdoor unit			MUZ-GL18NA MUZ-GL18NAH		MUY-GL18NA	MUZ-GL24NA MUZ-GL24NAH		MUY-GL24NA
	Power supply	V, phase, Hz		208/230, 1, 60		208/230, 1, 60	208/230, 1, 60		208/230, 1, 60
	Input		kW	1.295	1.635	1.295	1.742	2.282	1.742
	Comp. current		A	5.01/4.53	6.67/6.03	5.01/4.53	7.01/6.34	9.59/8.67	7.01/6.34
	Fan motor current		A	1.05/0.95	1.05/0.95	1.05/0.95	1.16/1.05	1.13/1.02	1.16/1.05
Refrigerant circuit	Condensing pressure		PSIG	377	391	377	395	405	395
	Suction pressure		PSIG	144	103	144	141	102	141
	Discharge temperature		˚F	149	178	149	158	171	158
	Condensing temperature		˚F	111	111	111	115	115	115
	Suction temperature		˚F	51	43	51	52	33	52
	Comp. shell bottom temperature		˚F	134	160	134	140	148	140
	Ref. pipe length		ft.	25		25	25		25
	Refrigerant charge (R410A)			3 lb 9 oz.		3 lb 9 oz.	4 lb 3 oz.		4 lb 3 oz.
Indoor unit	Intake air temperature	DB	˚F	80	70	80	80	70	80
		WB	˚F	67	60	67	67	60	67
	Discharge air temperature	DB	˚F	52	111	52	56	111	56
		WB	˚F	51	—	51	53	—	53
	Fan speed (High)		rpm	1,170	1,170	1,170	1,300	1,300	1,300
	Airflow (High)		CFM	581 (Wet)	646	581 (Wet)	634 (Wet)	738	634 (Wet)
Outdoor unit	Intake air temperature	DB	˚F	95	47	95	95	47	95
		WB	˚F	—	43	—	—	43	—
	Fan speed		rpm	810	810	810	840	810	840
	Airflow		CFM	1,691	1,691	1,691	1,769	1,701	1,769

Model				**MSZ-HM09NA** - U1, U2		**MSZ-HM09NA** - U8	
Item			Unit	Cooling	Heating	Cooling	Heating
Total	Capacity		Btu/h	9,000	10,900	9,000	10,900
	SHF		—	0.82	—	0.82	—
	Input		kW	0.750	0.900	0.750	0.900
	Rated frequency		Hz	59.5	79.0	59.5	77.5
Electrical circuit	Indoor unit			**MSZ-HM09NA**		**MSZ-HM09NA**	
	Power supply		V, phase, Hz	208/230, 1, 60			
	Input		kW	0.022	0.023	0.022	0.023
	Fan motor current		A	0.24/0.22	0.25/0.23	0.24/0.22	0.25/0.23
	Outdoor unit			**MUZ-HM09NA** - U1, U2 **MUZ-HM09NAH**		**MUZ-HM09NA** - U8	
	Power supply		V, phase, Hz	208/230, 1, 60			
	Input		kW	0.728	0.877	0.728	0.877
	Comp. current		A	3.64/3.29	4.25/3.85	3.32/3.00	3.66/3.31
	Fan motor current		A	0.27/0.24	0.30/0.27	0.27/0.24	0.30/0.27
Refrigerant circuit	Condensing pressure		PSIG	384	331	389	331
	Suction pressure		PSIG	152	102	151	103
	Discharge temperature		˚F	151	155	154	152
	Condensing temperature		˚F	113	101	115	103
	Suction temperature		˚F	58	41	59	39
	Comp. shell bottom temperature		˚F	146	149	151	149
	Ref. pipe length		ft.	25			
	Refrigerant charge (R410A)			1 lb. 12 oz.			
Indoor unit	Intake air temperature	DB	˚F	80	70	80	70
		WB	˚F	67	60	67	60
	Discharge air temperature	DB	˚F	60	97	60	97
		WB	˚F	58	—	58	—
	Fan speed (High)		rpm	1,020	1,040	1,020	1,040
	Airflow (High)		CFM	367 (Wet)	413	367 (Wet)	413
Outdoor unit	Intake air temperature	DB	˚F	95	47	95	47
		WB	˚F	—	43	—	43
	Fan speed		rpm	800	850	800	850
	Airflow		CFM	1151	1225	1151	1225

Model				**MSZ-HM12NA** - U1, U2		**MSZ-HM12NA** - U8	
Item			Unit	Cooling	Heating	Cooling	Heating
Total	Capacity		Btu/h	12,000	12,200	12,000	14,400
	SHF		—	0.77	—	0.77	—
	Input		kW	1.210	0.990	1.210	0.990
	Rated frequency		Hz	89.0	90.0	69.0	77.0
Electrical circuit	Indoor unit			**MSZ-HM12NA**		**MSZ-HM12NA**	
	Power supply		V, phase, Hz	208/230, 1, 60			
	Input		kW	0.022	0.023	0.022	0.023
	Fan motor current		A	0.24/0.22	0.25/0.23	0.24/0.22	0.25/0.23
	Outdoor unit			**MUZ-HM12NA** - U1, U2 **MUZ-HM12NAH**		**MUZ-HM12NA** - U8	
	Power supply		V, phase, Hz	208/230, 1, 60			
	Input		kW	1.188	0.967	1.188	0.967
	Comp. current		A	5.61/5.08	4.56/4.13	4.39/3.97	5.41/4.89
	Fan motor current		A	0.27/0.24	0.30/0.27	0.34/0.31	0.31/0.28
Refrigerant circuit	Condensing pressure		PSIG	429	347	389	397
	Suction pressure		PSIG	135	99	133	104
	Discharge temperature		˚F	180	165	163	162
	Condensing temperature		˚F	120	104	115	116
	Suction temperature		˚F	60	41	56	35
	Comp. shell bottom temperature		˚F	174	157	158	158
	Ref. pipe length		ft.	25			
	Refrigerant charge (R410A)			1 lb. 12 oz.		2 lb. 9 oz.	
Indoor unit	Intake air temperature	DB	˚F	80	70	80	70
		WB	˚F	67	60	67	60
	Discharge air temperature	DB	˚F	56	108	56	108
		WB	˚F	55	—	55	—
	Fan speed (High)		rpm	1,020	1,040	1,020	1,040
	Airflow (High)		CFM	367 (Wet)	413	367 (Wet)	413
Outdoor unit	Intake air temperature	DB	˚F	95	47	95	47
		WB	˚F	—	43	—	43
	Fan speed		rpm	800	850	900	860
	Airflow		CFM	1151	1225	1229	1172

Model				MSZ-HM15NA		MSZ-HM18NA		MSZ-HM24NA	
Item			Unit	Cooling	Heating	Cooling	Heating	Cooling	Heating
Total	Capacity		Btu/h	14,000	18,000	17,200	18,000	22,500	26,000
	SHF		—	0.78	—	0.86	—	0.89	—
	Input		kW	1.17	1.60	1.64	1.59	2.63	2.5
	Rated frequency		Hz	56.5	74	68	74	98	108
Electrical circuit	Indoor unit			MSZ-HM15NA		MSZ-HM18NA		MSZ-HM24NA	
	Power supply		V, phase, Hz	208/230, 1, 60					
	Input		kW	0.043	0.030	0.042	0.042	0.055	
	Fan motor current		A	0.43/0.39	0.34/0.31	0.44/0.40	0.44/0.40	0.55/0.50	
	Outdoor unit			MUZ-HM15NA(H)		MUZ-HM18NA(H)		MUZ-HM24NA(H)	
	Power supply		V, phase, Hz	208/230, 1, 60					
	Input		kW	1.127	1.570	1.598	1.548	2.575	2.445
	Comp. current		A	4.91/4.44	7.11/6.43	7.22/6.53	7.11/6.43	11.11/10.05	10.56/9.55
	Fan motor current		A	0.41/0.37	0.40/0.36	0.41/0.37	0.40/0.36	1.05/0.95	1.05/0.95
Refrigerant circuit	Condensing pressure		PSIG	396	427	423	361	404	403
	Suction pressure		PSIG	138	98	144	99	127	94
	Discharge temperature		˚F	168	178	165	161	174	194
	Condensing temperature		˚F	115	120	120	108	116	116
	Suction temperature		˚F	61	31	54	35	54	44
	Comp. shell bottom temperature		˚F	152	158	149	143	173	192
	Ref. pipe length		ft.	25					
	Refrigerant charge (R410A)			2 lb. 9 oz.		2 lb. 10 oz.		3 lb 9 oz.	
Indoor unit	Intake air temperature	DB	˚F	80	70	80	70	80	70
		WB	˚F	67	60	67	60	67	60
	Discharge air temperature	DB	˚F	58	114	58	114	57	108
		WB	˚F	56	—	56	—	56	—
	Fan speed (High)		rpm	1,280	1,140	1,140	1,140	1,250	1,250
	Airflow (High)		CFM	498 (Wet)	463	562 (Wet)	625	632 (Wet)	702
Outdoor unit	Intake air temperature	DB	˚F	95	47	95	47	95	47
		WB	˚F	—	43	—	43	—	43
	Fan speed		rpm	910	900	910	900	810	810
	Airflow		CFM	1,243	1,229	1,243	1,229	1,691	1,691

Model				MSZ-WR09NA		MSZ-WR12NA	
Item			Unit	Cooling	Heating	Cooling	Heating
Total	Capacity		Btu/h	9,000	10,900	12,000	12,200
	SHF		—	0.82	—	0.77	—
	Input		kW	0.750	0.900	1.210	0.990
	Rated frequency		Hz	59.5	79.0	89.0	90.0
Electrical circuit	Indoor unit			MSZ-WR09NA		MSZ-WR12NA	
	Power supply		V, phase, Hz	208/230, 1, 60			
	Input		kW	0.022	0.023	0.022	0.023
	Fan motor current		A	0.24/0.22	0.25/0.23	0.24/0.22	0.25/0.23
	Outdoor unit			MUZ-WR09NA		MUZ-WR12NA	
	Power supply		V, phase, Hz	208/230, 1, 60			
	Input		kW	0.728	0.877	1.188	0.967
	Comp. current		A	3.64/3.29	4.25/3.85	5.61/5.08	4.56/4.13
	Fan motor current		A	0.27/0.24	0.30/0.27	0.27/0.24	0.30/0.27
Refrigerant circuit	Condensing pressure		PSIG	384	331	429	347
	Suction pressure		PSIG	152	102	135	99
	Discharge temperature		˚F	151	155	180	165
	Condensing temperature		˚F	113	101	120	104
	Suction temperature		˚F	58	41	60	41
	Comp. shell bottom temperature		˚F	146	149	174	157
	Ref. pipe length		ft.	25			
	Refrigerant charge (R410A)			1 lb. 12 oz.		1 lb. 12 oz.	
Indoor unit	Intake air temperature	DB	˚F	80	70	80	70
		WB	˚F	67	60	67	60
	Discharge air temperature	DB	˚F	60	97	56	108
		WB	˚F	58	—	55	—
	Fan speed (High)		rpm	1,020	1,040	1,020	1,040
	Airflow (High)		CFM	367 (Wet)	413	367 (Wet)	413
Outdoor unit	Intake air temperature	DB	˚F	95	47	95	47
		WB	˚F	—	43	—	43
	Fan speed		rpm	800	850	800	850
	Airflow		CFM	1151	1225	1151	1225

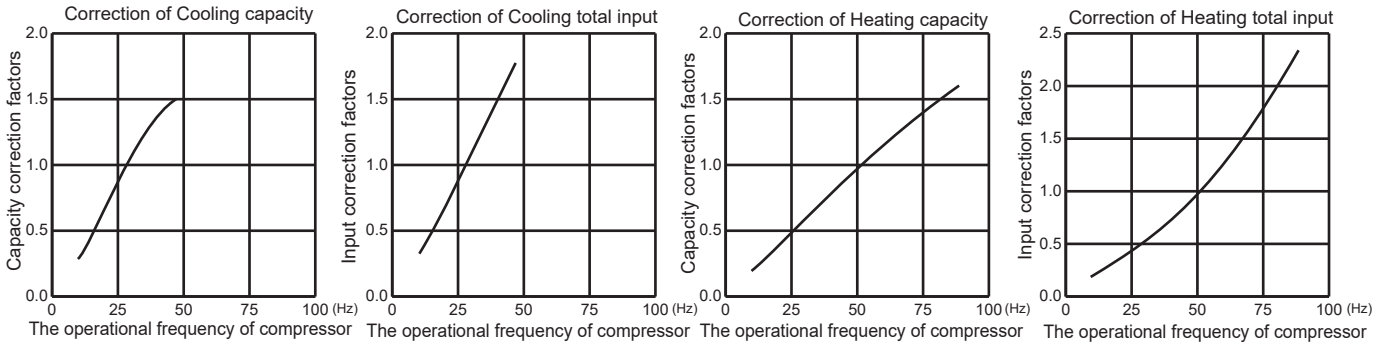
Model				MSZ-WR18NA		MSZ-WR24NA	
Item			Unit	Cooling	Heating	Cooling	Heating
Total	Capacity		Btu/h	17,200	18,000	22,500	26,000
	SHF		—	0.86	—	0.89	—
	Input		kW	1.64	1.59	2.63	2.5
	Rated frequency		Hz	68	74	98	108
Electrical circuit	Indoor unit			MSZ-WR18NA		MSZ-WR24NA	
	Power supply		V, phase, Hz	208/230, 1, 60			
	Input		kW	0.042	0.042	0.055	
	Fan motor current		A	0.44/0.40	0.44/0.40	0.55/0.50	
	Outdoor unit			MUZ-WR18NA		MUZ-WR24NA	
	Power supply		V, phase, Hz	208/230, 1, 60			
	Input		kW	1.598	1.548	2.575	2.445
	Comp. current		A	7.22/6.53	7.11/6.43	11.11/10.05	10.56/9.55
	Fan motor current		A	0.41/0.37	0.40/0.36	1.05/0.95	1.05/0.95
Refrigerant circuit	Condensing pressure		PSIG	423	361	404	403
	Suction pressure		PSIG	144	99	127	94
	Discharge temperature		˚F	165	161	174	194
	Condensing temperature		˚F	120	108	116	116
	Suction temperature		˚F	54	35	54	44
	Comp. shell bottom temperature		˚F	149	143	173	192
	Ref. pipe length		ft.	25			
	Refrigerant charge (R410A)			2 lb. 10 oz.		3 lb. 9 oz.	
Indoor unit	Intake air temperature	DB	˚F	80	70	80	70
		WB	˚F	67	60	67	60
	Discharge air temperature	DB	˚F	58	114	57	108
		WB	˚F	56	—	56	—
	Fan speed (High)		rpm	1,140	1,140	1,250	1,250
	Airflow (High)		CFM	562 (Wet)	625	632 (Wet)	702
Outdoor unit	Intake air temperature	DB	˚F	95	47	95	47
		WB	˚F	—	43	—	43
	Fan speed		rpm	910	900	810	810
	Airflow		CFM	1,243	1,229	1,691	1,691

Model				MSZ-JP09WA	
Item			Unit	Cooling	Heating
Total	Capacity		Btu/h	9,000	10,900
	SHF		—	0.82	—
	Input		kW	0.750	0.900
	Rated frequency		Hz	61.0	79.0
Electrical circuit	Indoor unit			MSZ-JP09WA	
	Power supply		V, phase, Hz	115, 1, 60	
	Input		kW	0.022	0.023
	Fan motor current		A	0.37	0.38
	Outdoor unit			MUZ-JP09WA	
	Power supply		V, phase, Hz	115, 1, 60	
	Input		kW	0.728	0.877
	Comp. current		A	6.15	7.38
	Fan motor current		A	0.48	0.54
Refrigerant circuit	Condensing pressure		PSIG	384	331
	Suction pressure		PSIG	152	102
	Discharge temperature		˚F	151	155
	Condensing temperature		˚F	113	101
	Suction temperature		˚F	58	41
	Comp. shell bottom temperature		˚F	146	149
	Ref. pipe length		ft.	25	
	Refrigerant charge (R410A)			1 lb. 12 oz.	
Indoor unit	Intake air temperature	DB	˚F	80	70
		WB	˚F	67	60
	Discharge air temperature	DB	˚F	60	97
		WB	˚F	58	—
	Fan speed (High)		rpm	1,020	1,040
	Airflow (High)		CFM	367 (Wet)	413
Outdoor unit	Intake air temperature	DB	˚F	95	47
		WB	˚F	—	43
	Fan speed		rpm	770	850
	Airflow		CFM	1,105	1,225

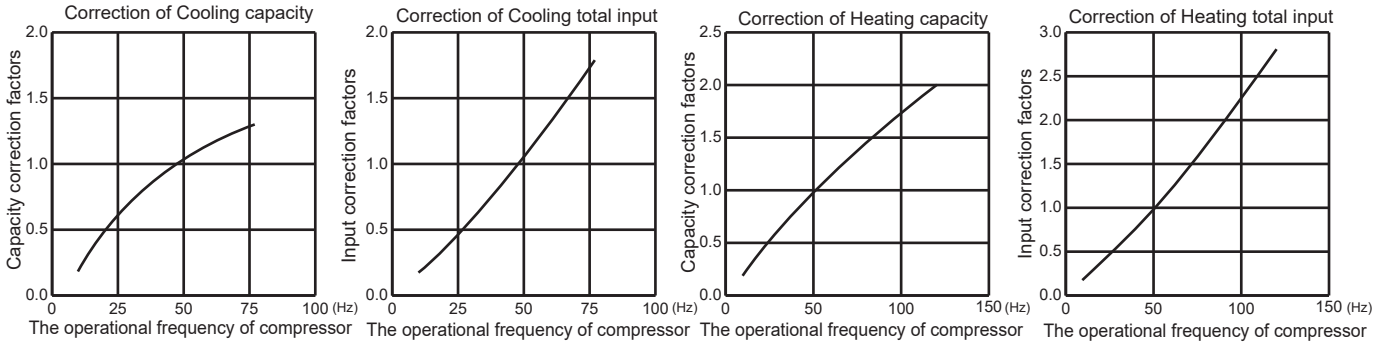
Model				MSZ-JP12WA	
Item			Unit	Cooling	Heating
Total	Capacity		Btu/h	12,000	12,200
	SHF		—	0.77	—
	Input		kW	1.210	0.990
	Rated frequency		Hz	91.0	90.0
Electrical circuit	Indoor unit			MSZ-JP12WA	
	Power supply		V, phase, Hz	115, 1, 60	
	Input		kW	0.022	0.023
	Fan motor current		A	0.37	0.38
	Outdoor unit			MUZ-JP12WA	
	Power supply		V, phase, Hz	115, 1, 60	
	Input		kW	1.188	0.967
	Comp. current		A	10.35	8.18
	Fan motor current		A	0.48	0.54
Refrigerant circuit	Condensing pressure		PSIG	429	347
	Suction pressure		PSIG	135	99
	Discharge temperature		˚F	180	165
	Condensing temperature		˚F	120	104
	Suction temperature		˚F	60	41
	Comp. shell bottom temperature		˚F	174	157
	Ref. pipe length		ft.	25	
	Refrigerant charge (R410A)			1 lb. 12 oz.	
Indoor unit	Intake air temperature	DB	˚F	80	70
		WB	˚F	67	60
	Discharge air temperature	DB	˚F	56	108
		WB	˚F	55	—
	Fan speed (High)		rpm	1,020	1,040
	Airflow (High)		CFM	367 (Wet)	413
Outdoor unit	Intake air temperature	DB	˚F	95	47
		WB	˚F	—	43
	Fan speed		rpm	770	850
	Airflow		CFM	1,105	1,225

A.1.5.1.4 CAPACITY AND INPUT CORRECTION BY OPERATIONAL FREQUENCY OF COMPRESSOR

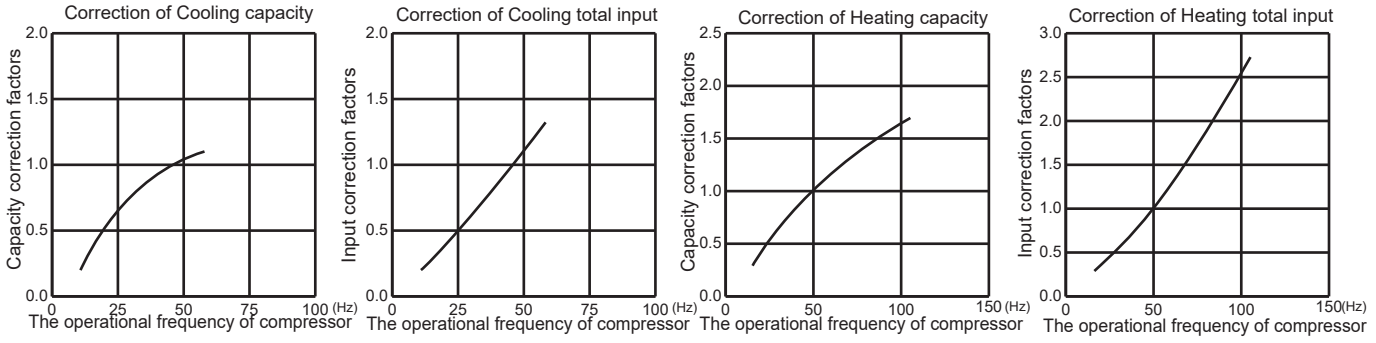
MUZ-FS06NA MUZ-FS06NAH



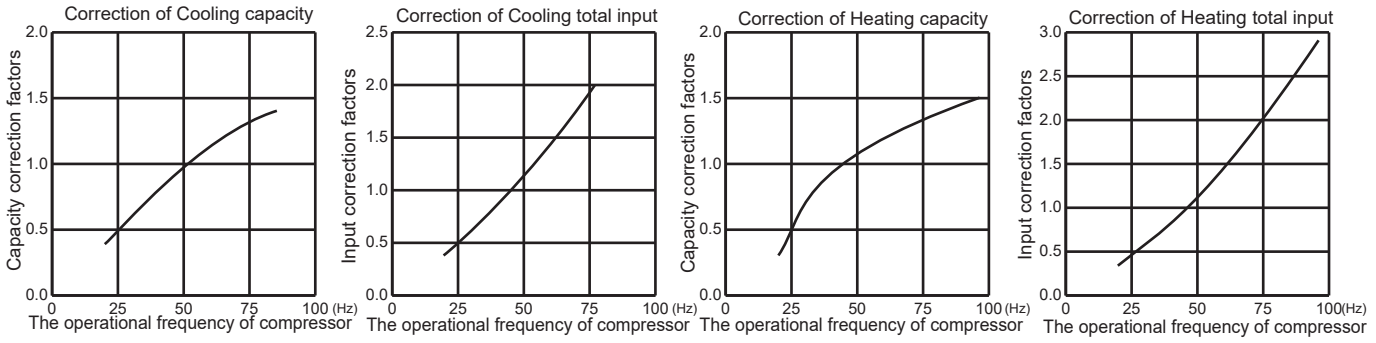
MUZ-FS09NA MUZ-FS09NAH



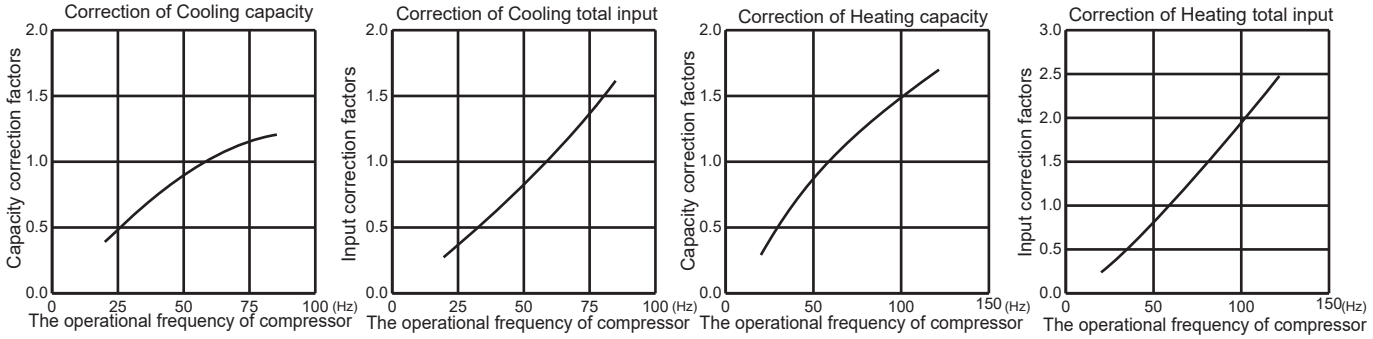
MUZ-FS12NA MUZ-FS12NAH



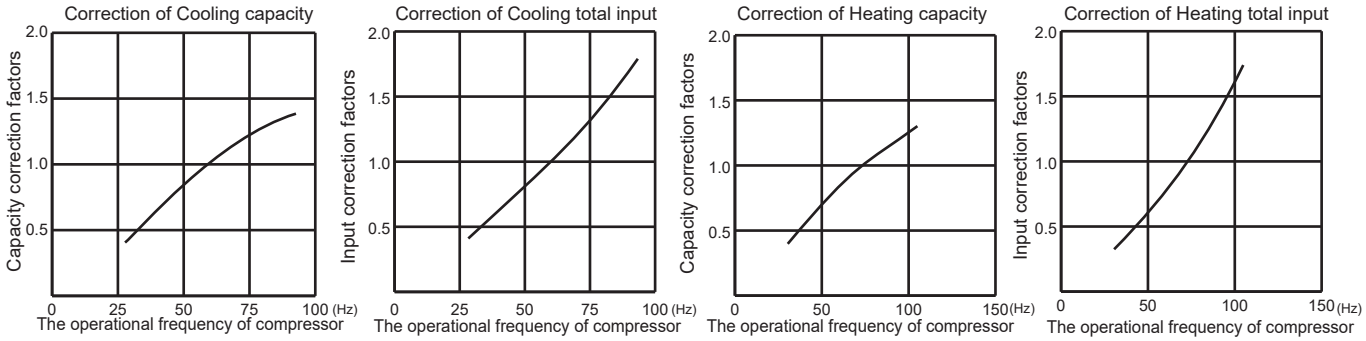
MUZ-FS15NA MUZ-FS15NAH



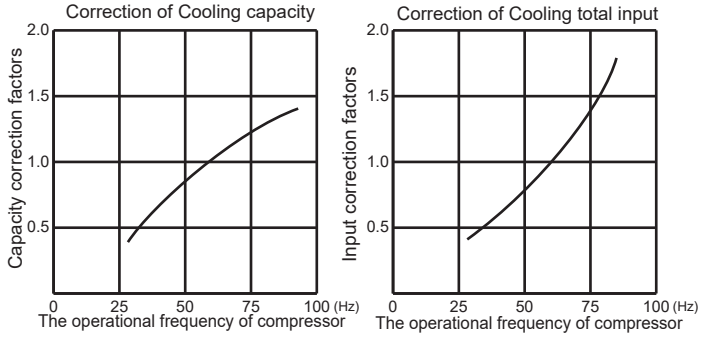
MUZ-FS18NA MUZ-FS18NAH



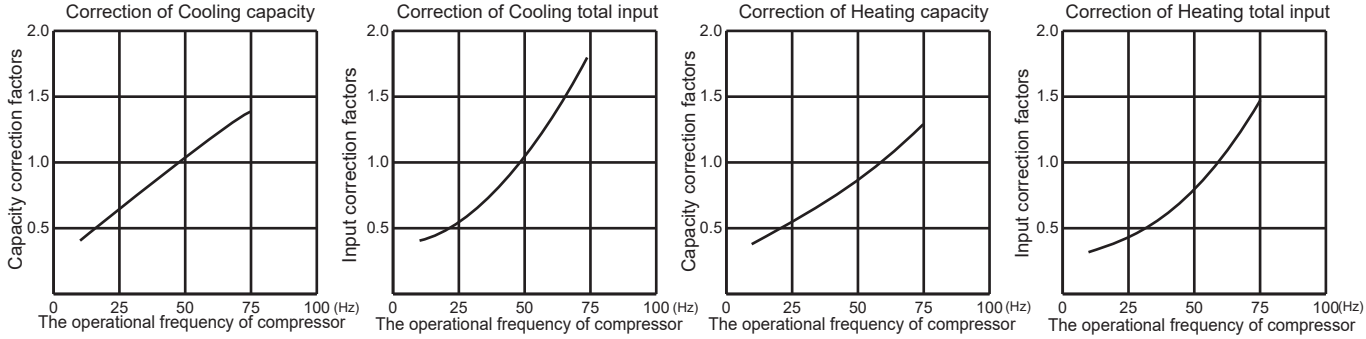
MUZ-GL09NA - U1, U2 MUZ-GL09NAH- U1, U2



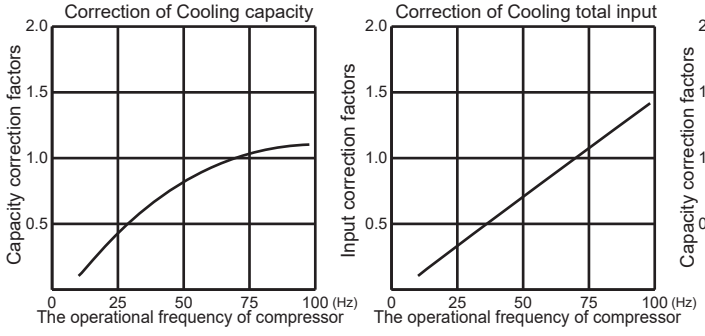
MUY-GL09NA



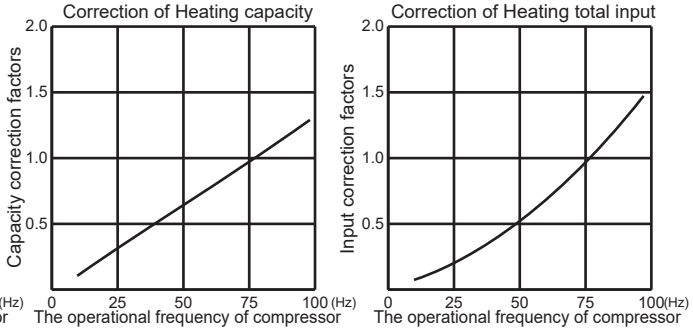
MUZ-GL09NA - U8 MUZ-GL09NAH - U8



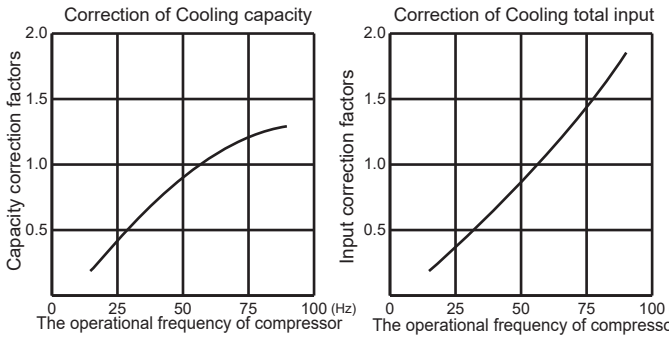
MUZ-GL12NA MUZ-GL12NAH MUY-GL12NA



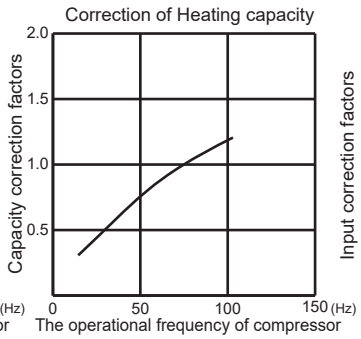
MUZ-GL12NA MUZ-GL12NAH

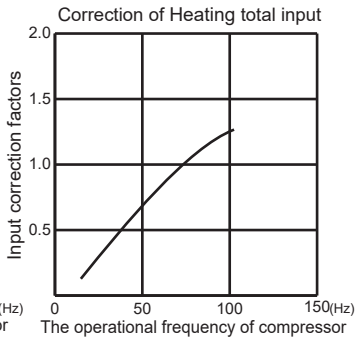


MUZ-GL15NA MUZ-GL15NAH MUY-GL15NA

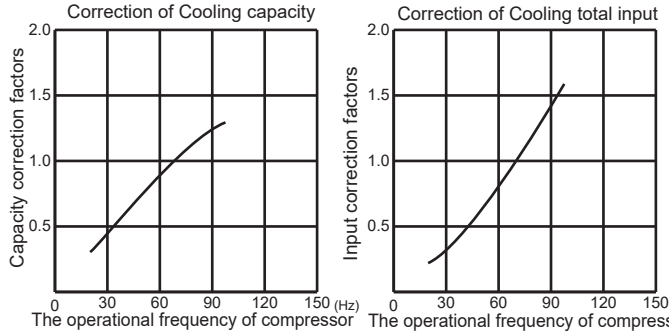


MUZ-GL15NA MUZ-GL15NAH

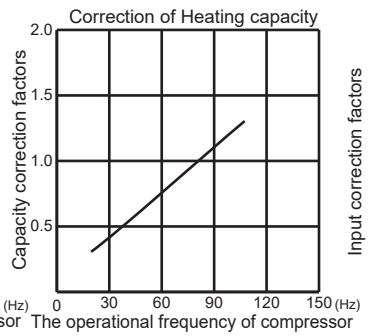


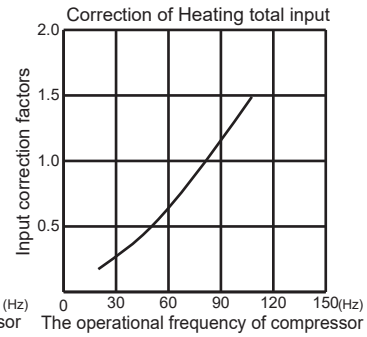


MUZ-GL18NA MUZ-GL18NAH MUY-GL18NA

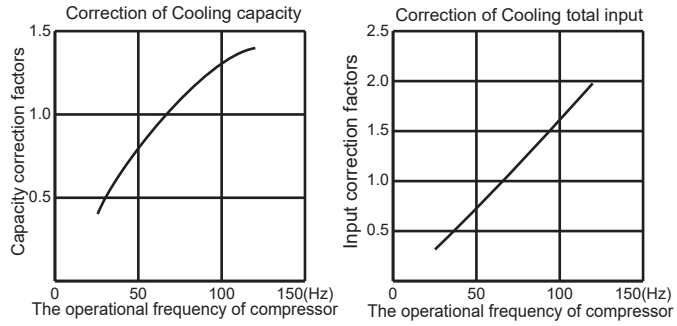


MUZ-GL18NA MUZ-GL18NAH

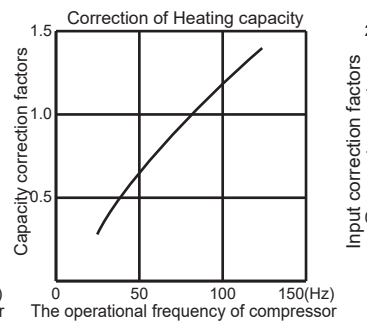


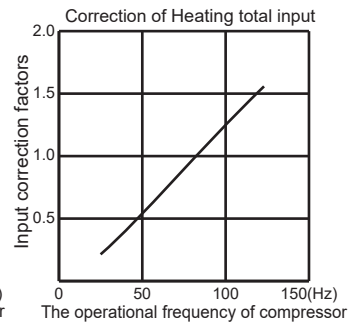


MUZ-GL24NA MUZ-GL24NAH MUY-GL24NA

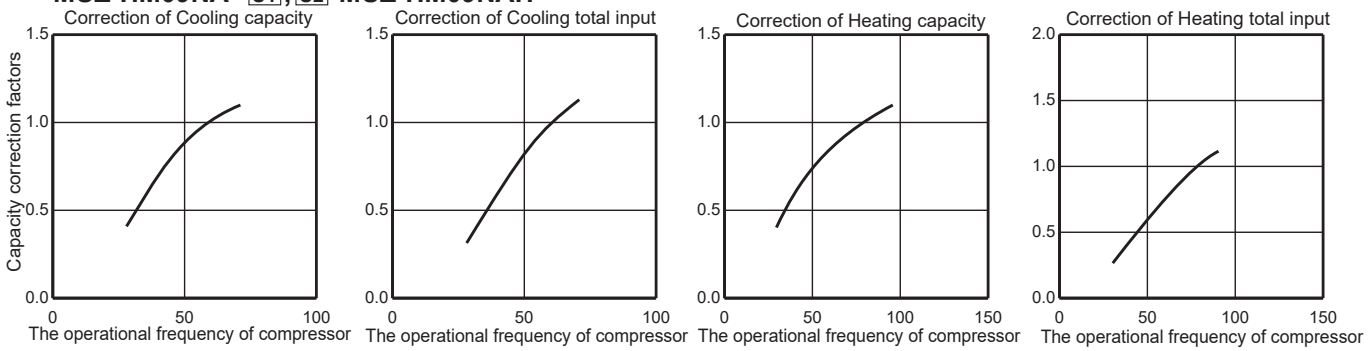


MUZ-GL24NA MUZ-GL24NAH

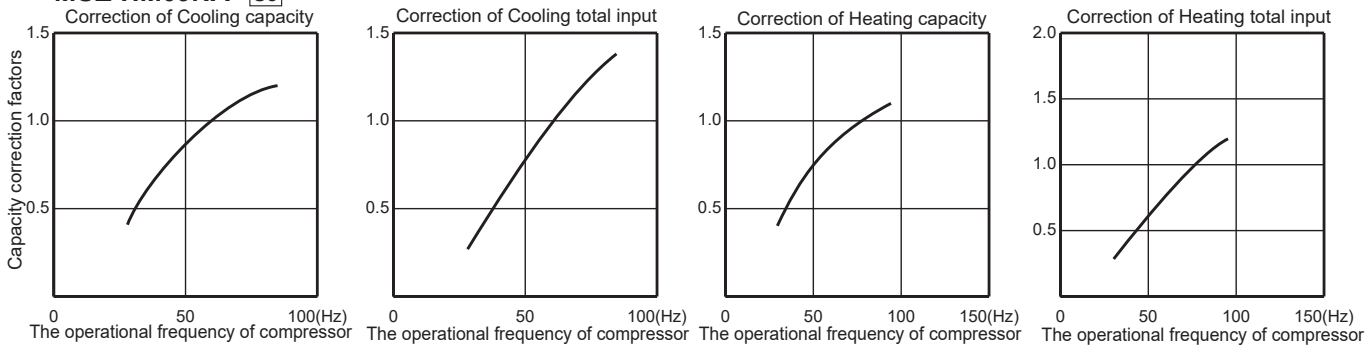




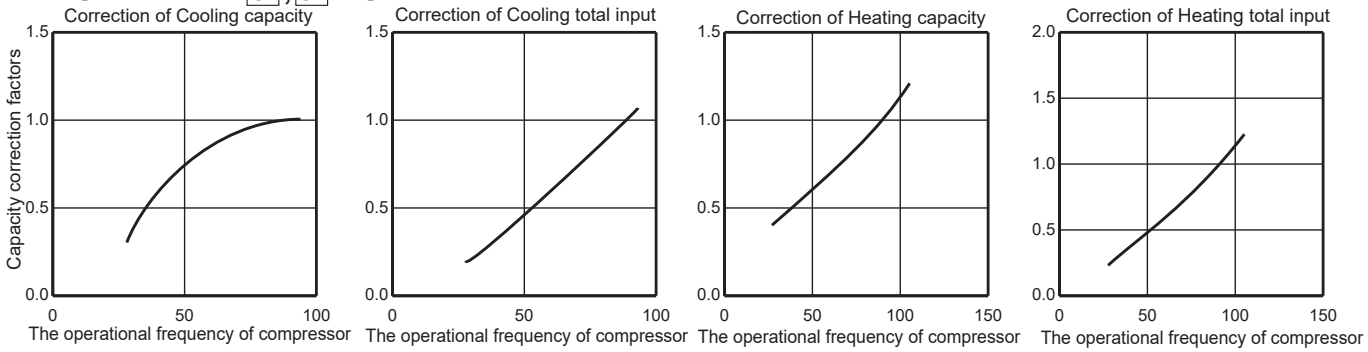
MUZ-HM09NA - U1, U2 MUZ-HM09NAH



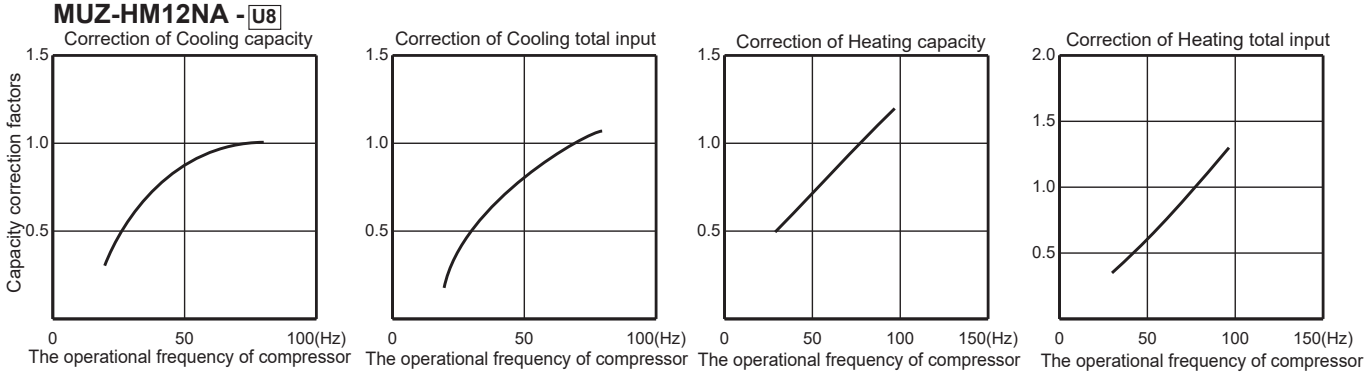
MUZ-HM09NA - U8



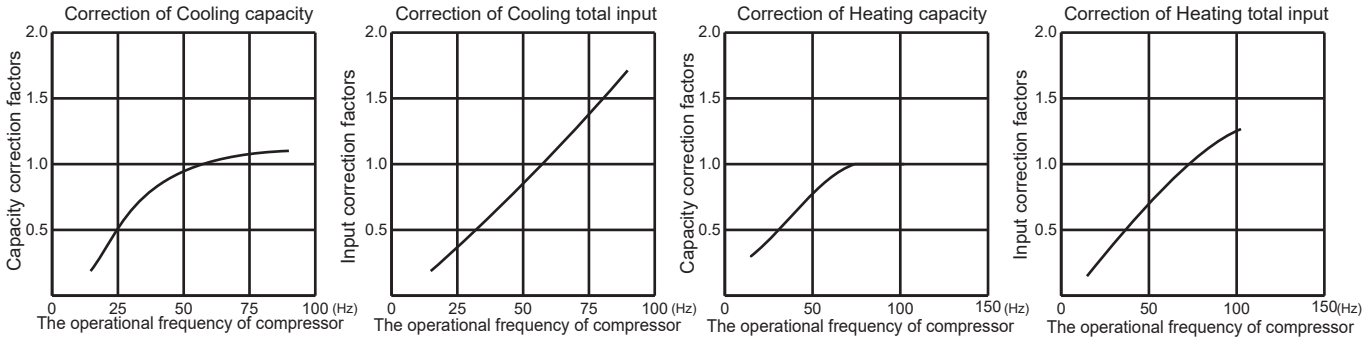
MUZ-HM12NA - U1, U2 MUZ-HM12NAH



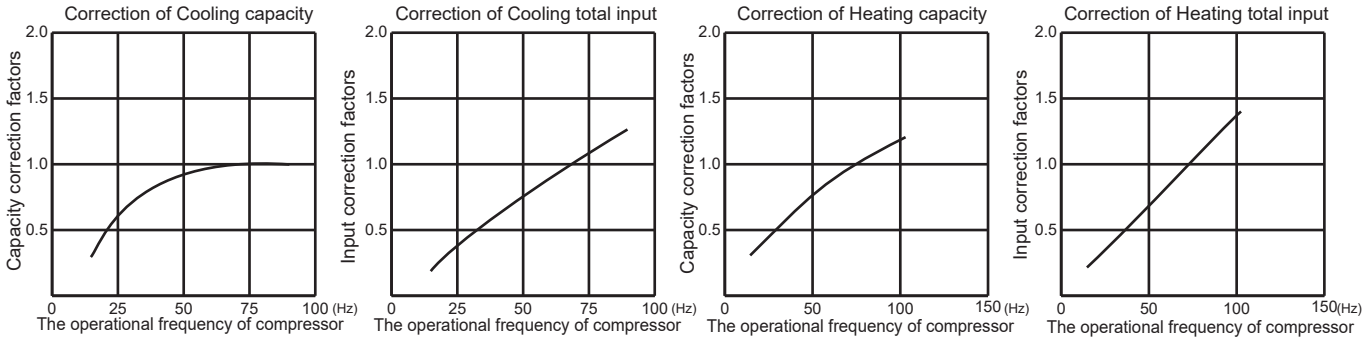
MUZ-HM12NA - U8



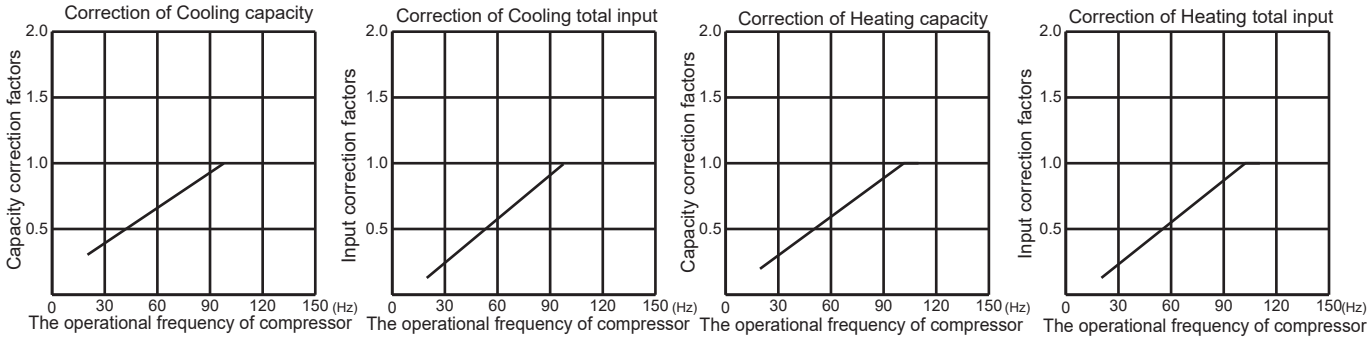
MUZ-HM15NA(H)



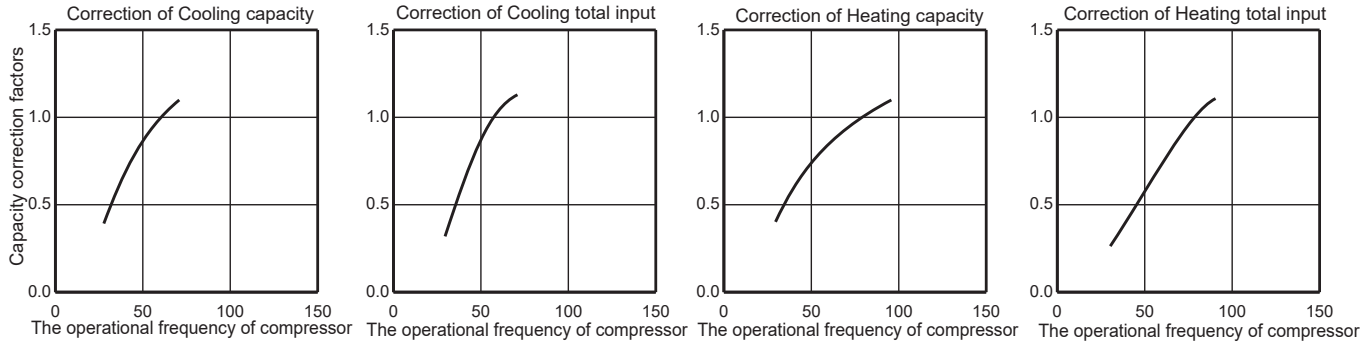
MUZ-HM18NA(H)



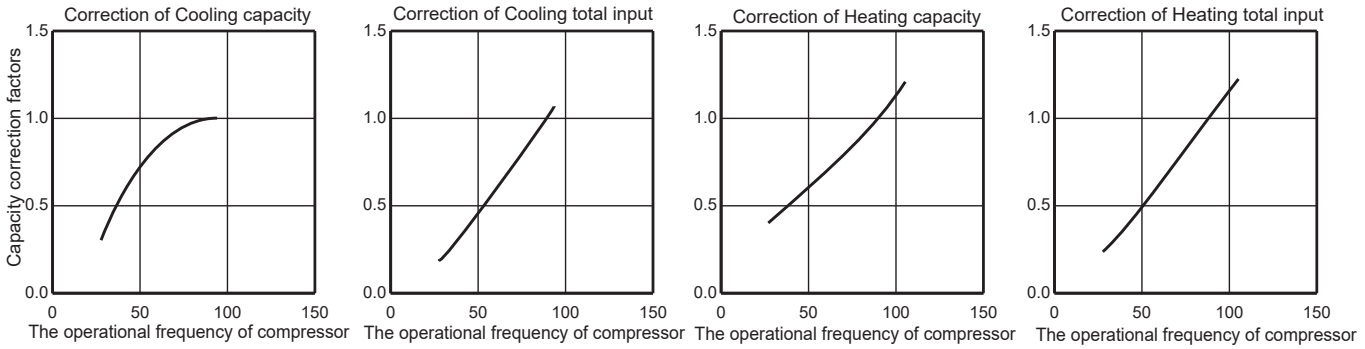
MUZ-HM24NA(H)



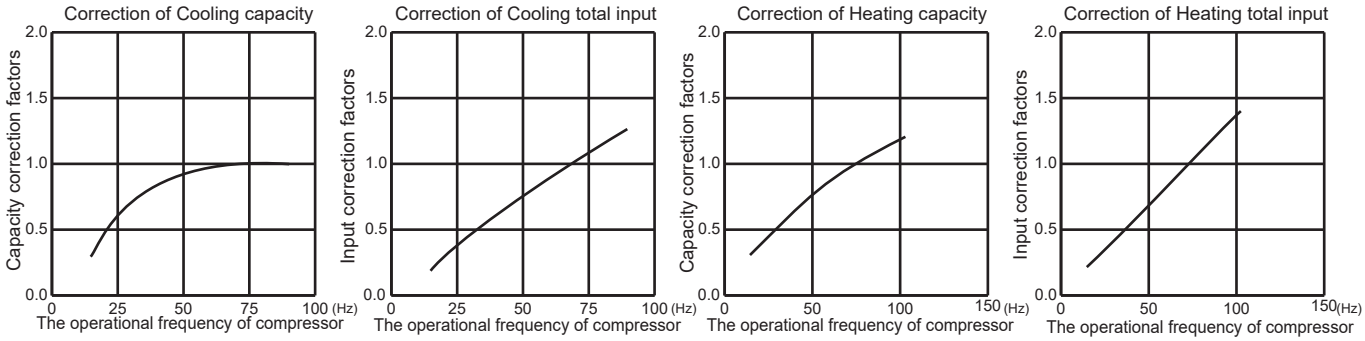
MUZ-WR09NA



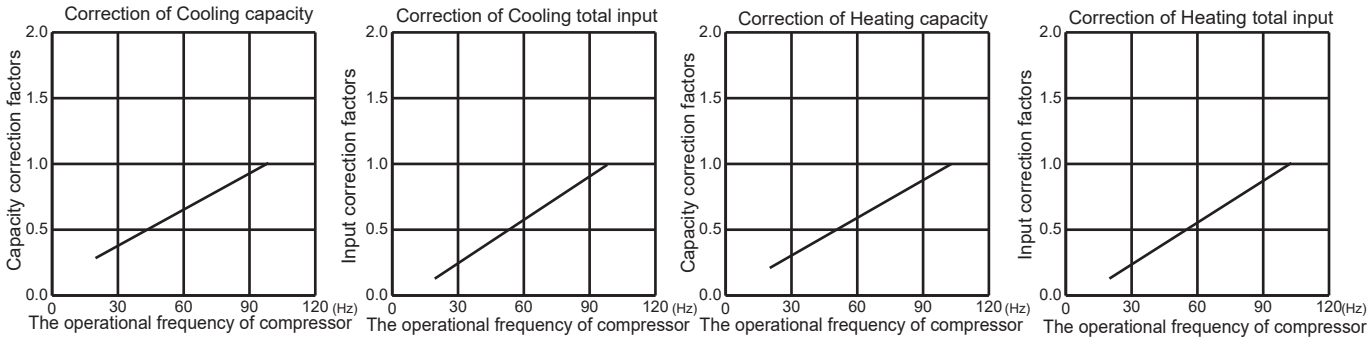
MUZ-WR12NA



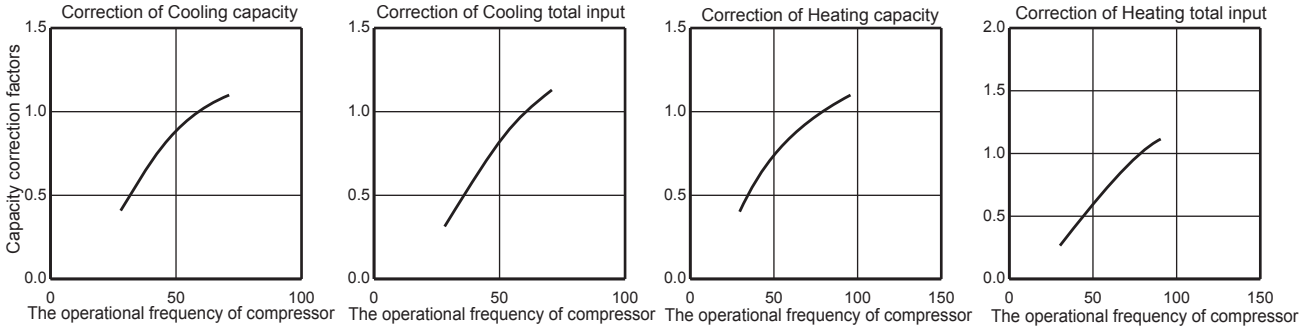
MUZ-WR18NA



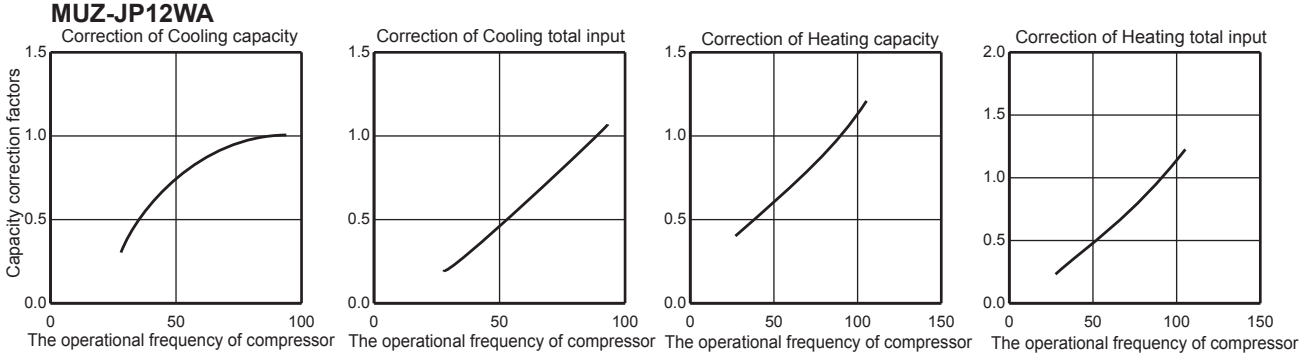
MUZ-WR24NA



MUZ-JP09WA



MUZ-JP12WA

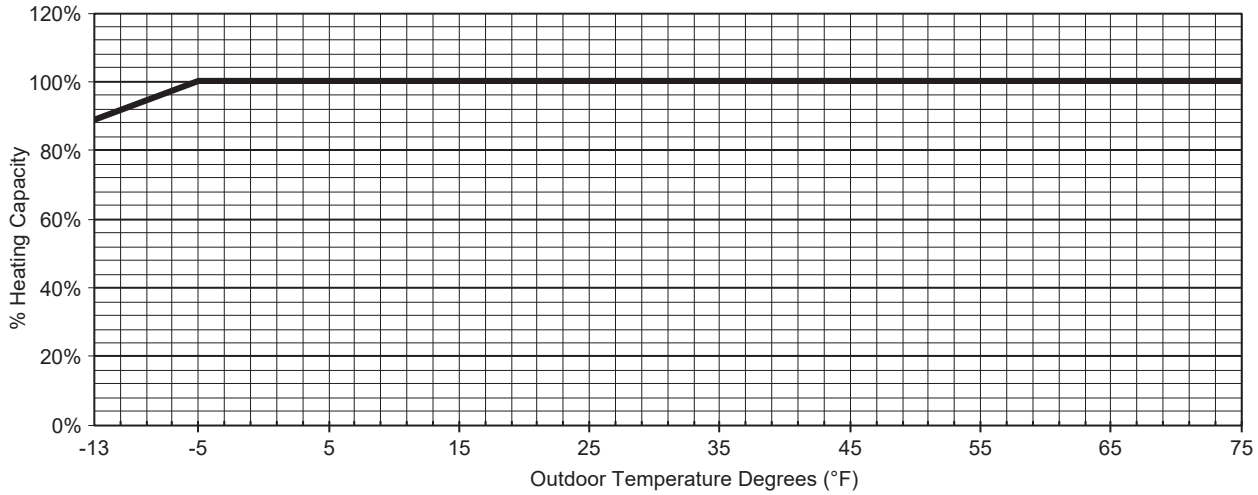


A.1.5.1.5 HOW TO OPERATE FIXED-FREQUENCY OPERATION (Test run operation)

1. Press EMERGENCY OPERATION switch to start COOL or HEAT mode (COOL: Press once, HEAT: Press twice).
2. Test run operation starts and continues to operate for 30 minutes.
3. Compressor operates at rated frequency in COOL mode or 58 Hz in HEAT mode.
4. Indoor fan operates at High speed.
5. After 30 minutes, test run operation finishes and EMERGENCY OPERATION starts (operation frequency of compressor varies).
6. To cancel test run operation (EMERGENCY OPERATION), press EMERGENCY OPERATION switch or any button on the remote controller.

A.1.5.1.6 MAX. HEATING CAPACITY IN LOW AMBIENT TEMPERATURE

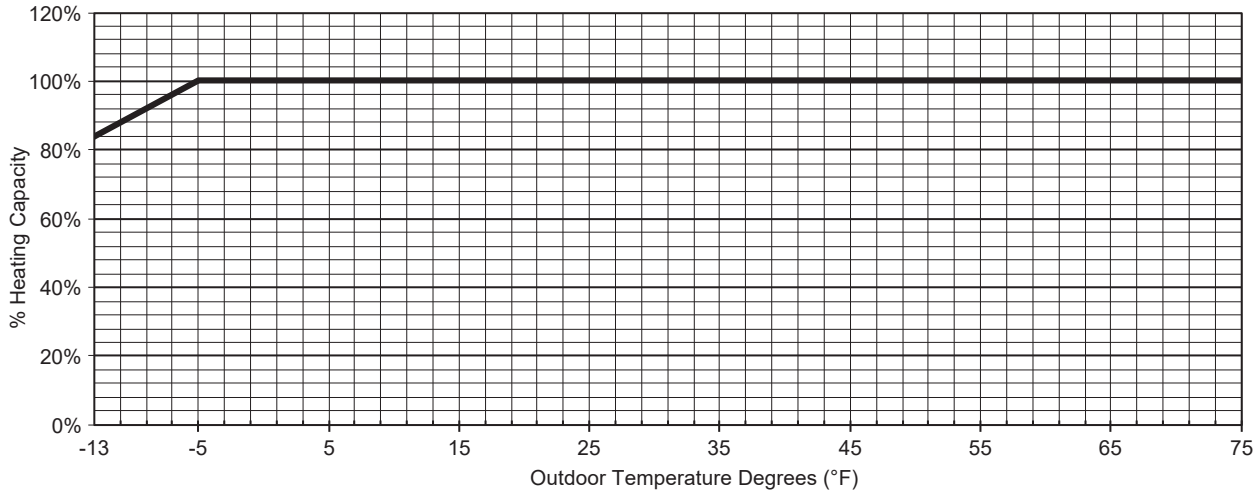
MUZ-FS06NA MUZ-FS06NAH



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-13.0	-5.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	89%	100%	100%	100%	100%	100%	100%	100%	100%	100%

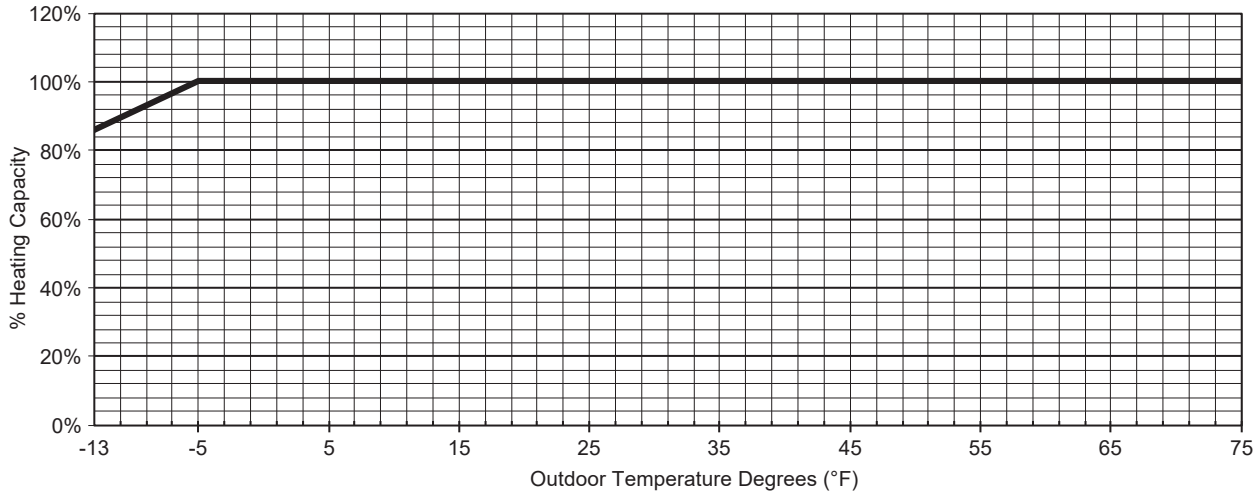
MUZ-FS09NA MUZ-FS09NAH



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-13.0	-5.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	84%	100%	100%	100%	100%	100%	100%	100%	100%	100%

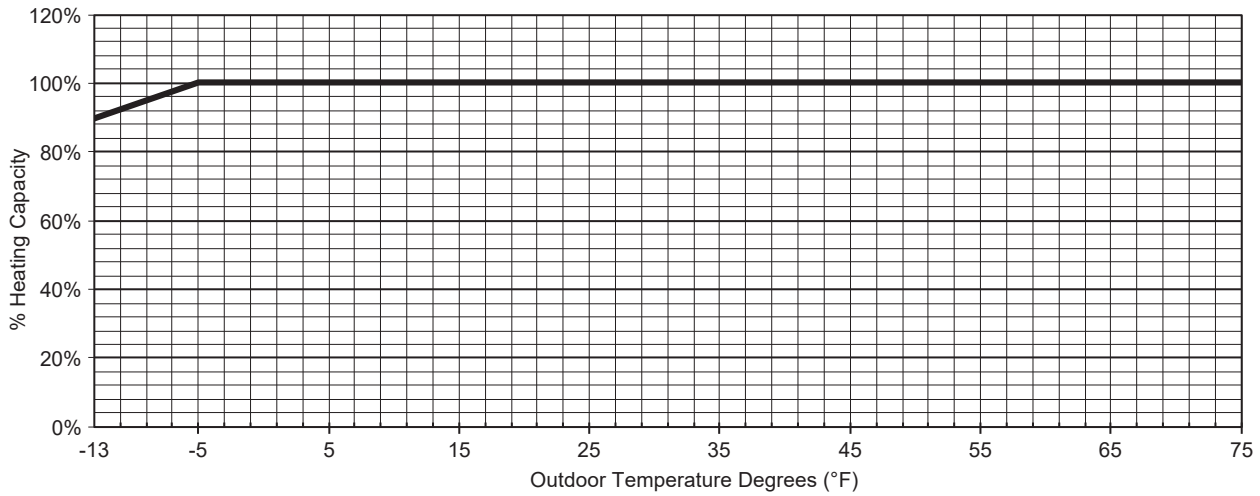
MUZ-FS12NA MUZ-FS12NAH



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-13.0	-5.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	86%	100%	100%	100%	100%	100%	100%	100%	100%	100%

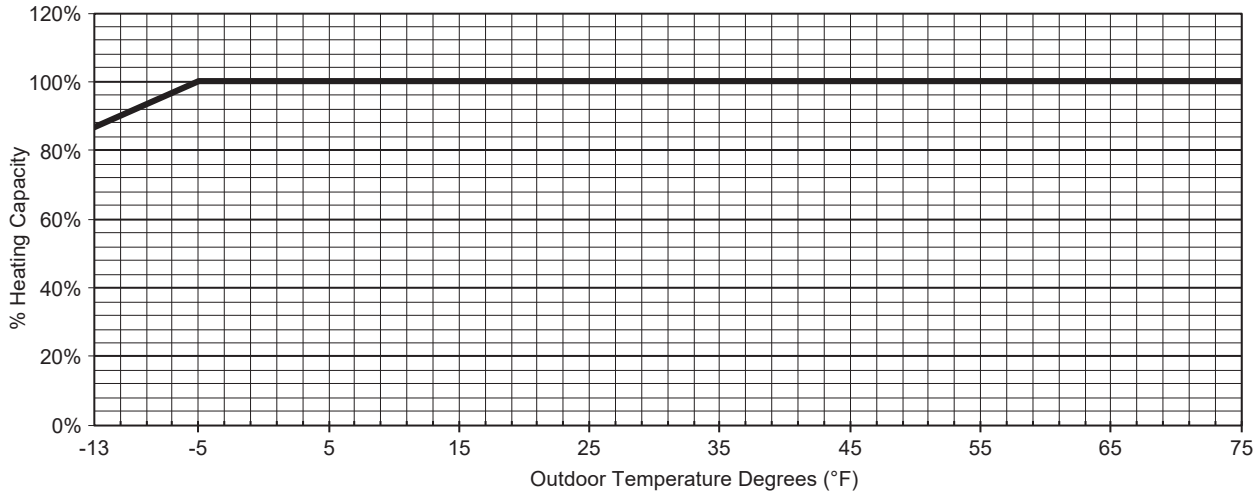
MUZ-FS15NA MUZ-FS15NAH



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-13.0	-5.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	90%	100%	100%	100%	100%	100%	100%	100%	100%	100%

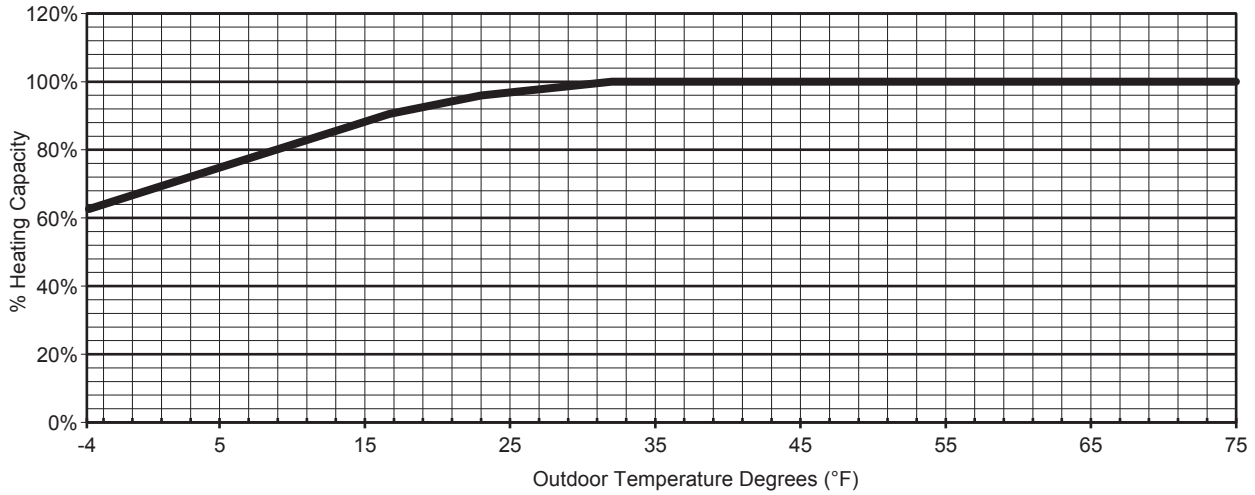
MUZ-FS18NA MUZ-FS18NAH



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-13.0	-5.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	86%	100%	100%	100%	100%	100%	100%	100%	100%	100%

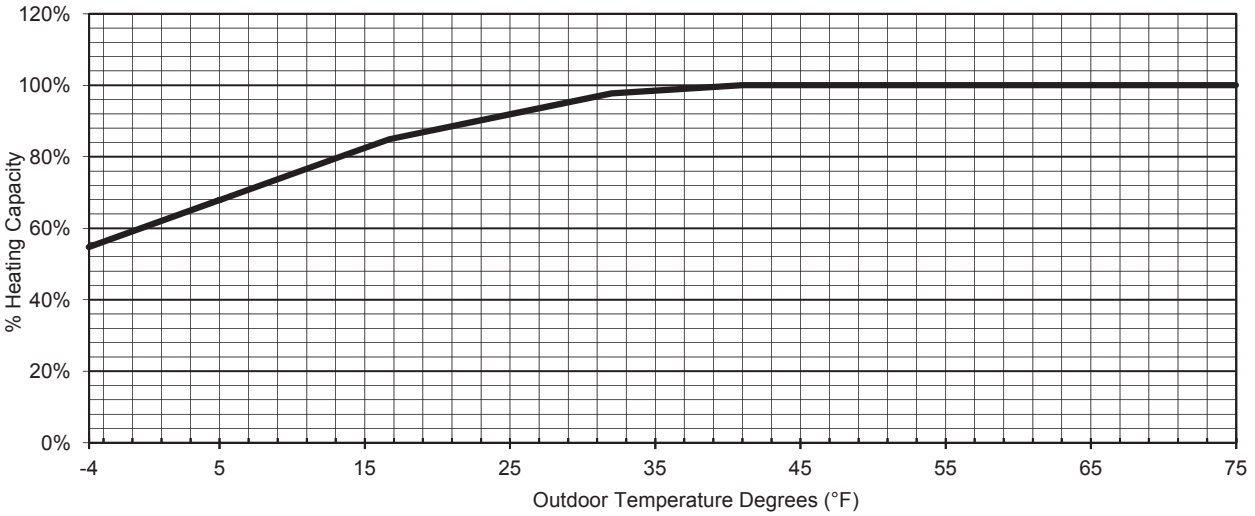
MUZ-GL09NA MUZ-GL09NAH



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	63%	75%	87%	96%	100%	100%	100%	100%	100%

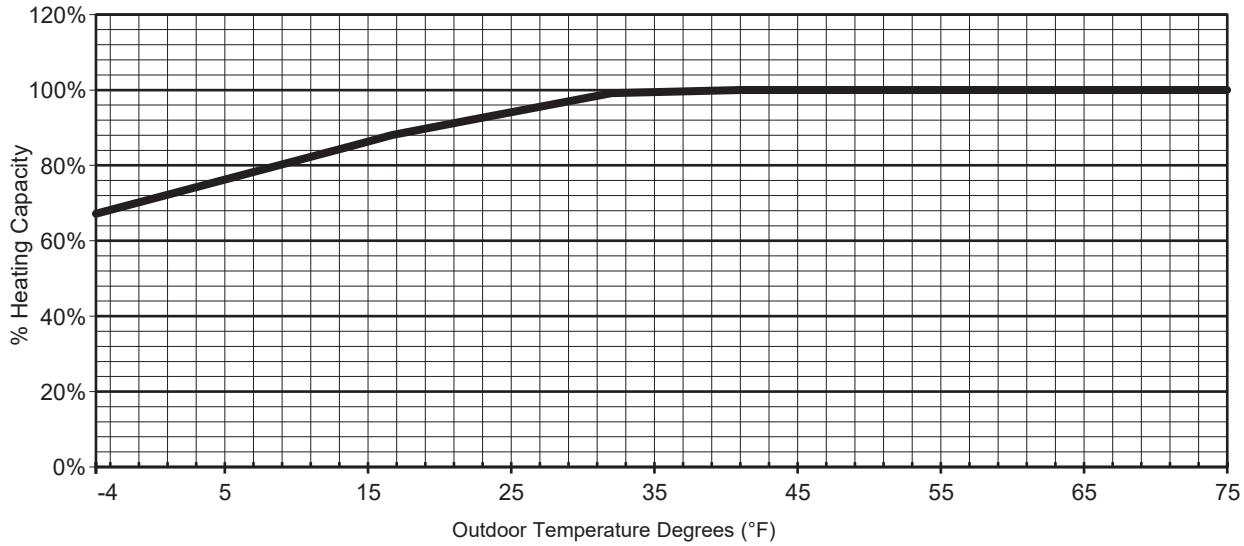
MUZ-GL12NA MUZ-GL12NAH



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	55%	68%	81%	90%	98%	100%	100%	100%	100%

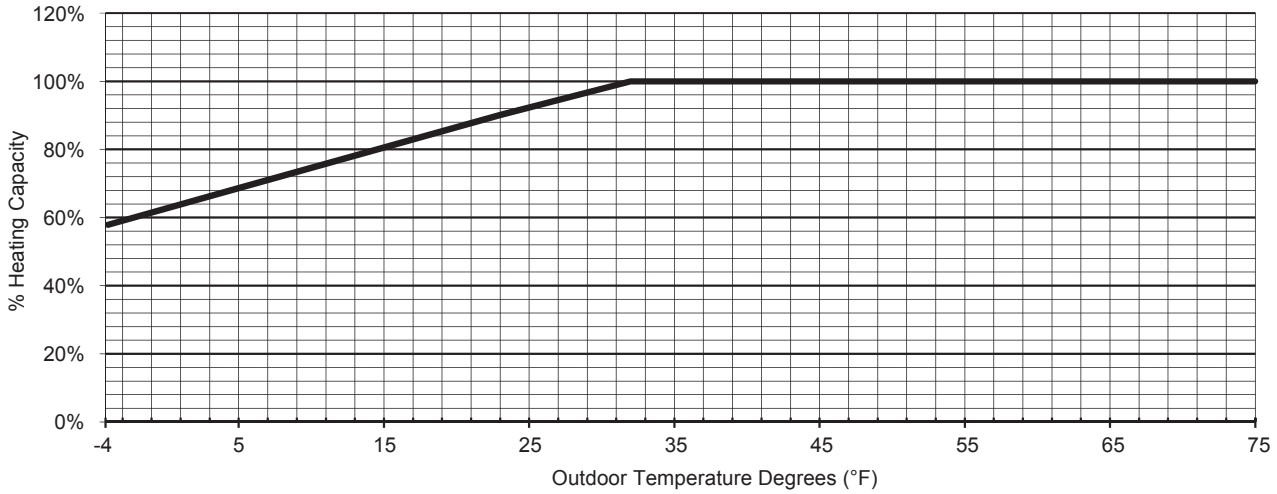
MUZ-GL15NA MUZ-GL15NAH



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-13.0	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	58%	67%	76%	85%	93%	99%	100%	100%	100%	100%

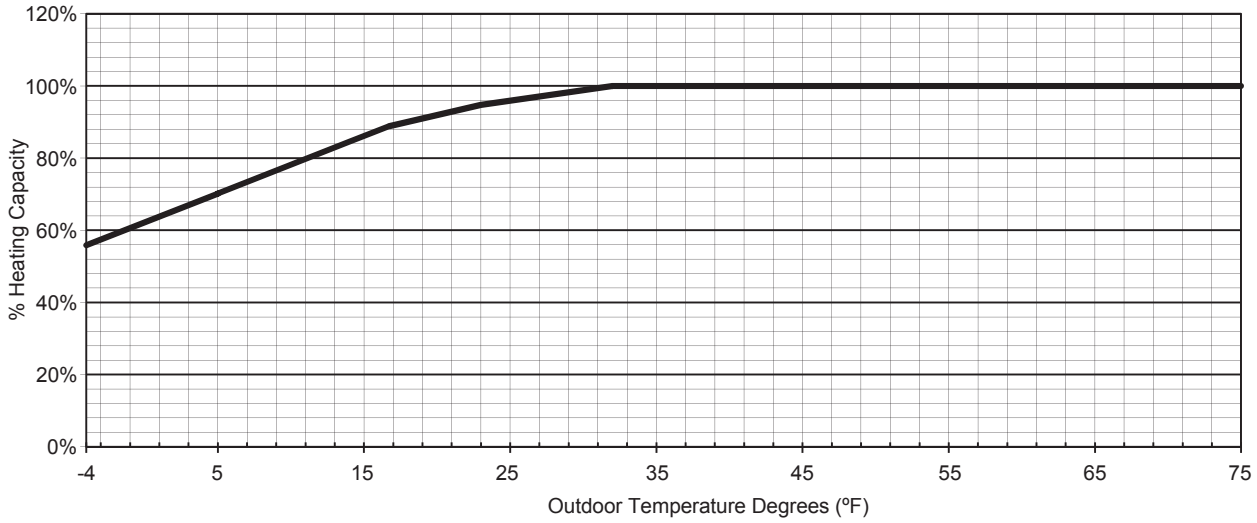
MUZ-GL18NA MUZ-GL18NAH



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	58%	69%	79%	90%	100%	100%	100%	100%	100%

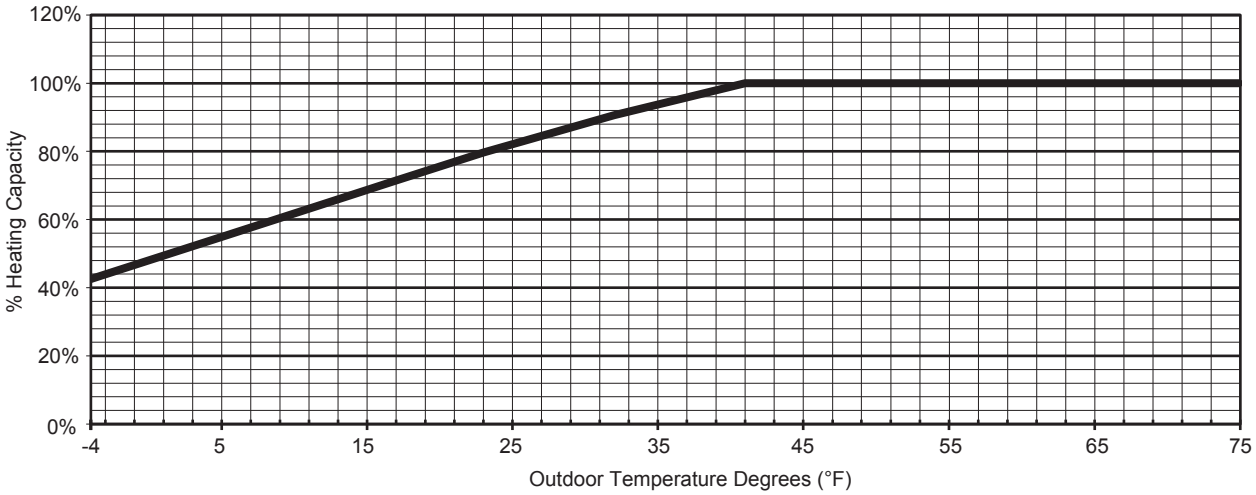
MUZ-GL24NA MUZ-GL24NAH



HEATING CAPACITY

Outdoor Temperature Degrees (ºF)	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	56%	70%	85%	95%	100%	100%	100%	100%	100%

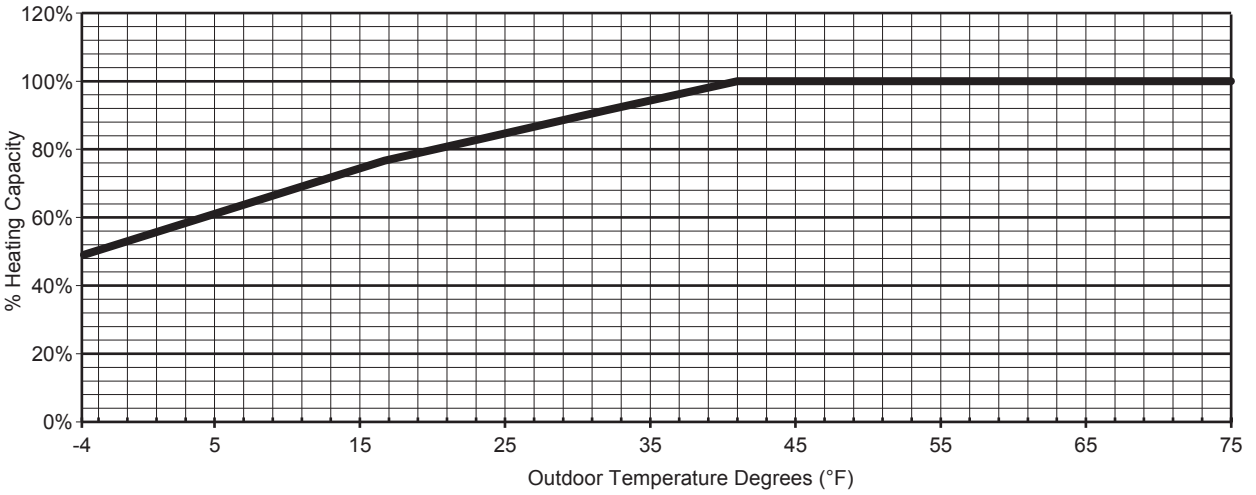
MUZ-HM09NA MUZ-HM09NAH



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	43%	55%	67%	80%	91%	100%	100%	100%	100%

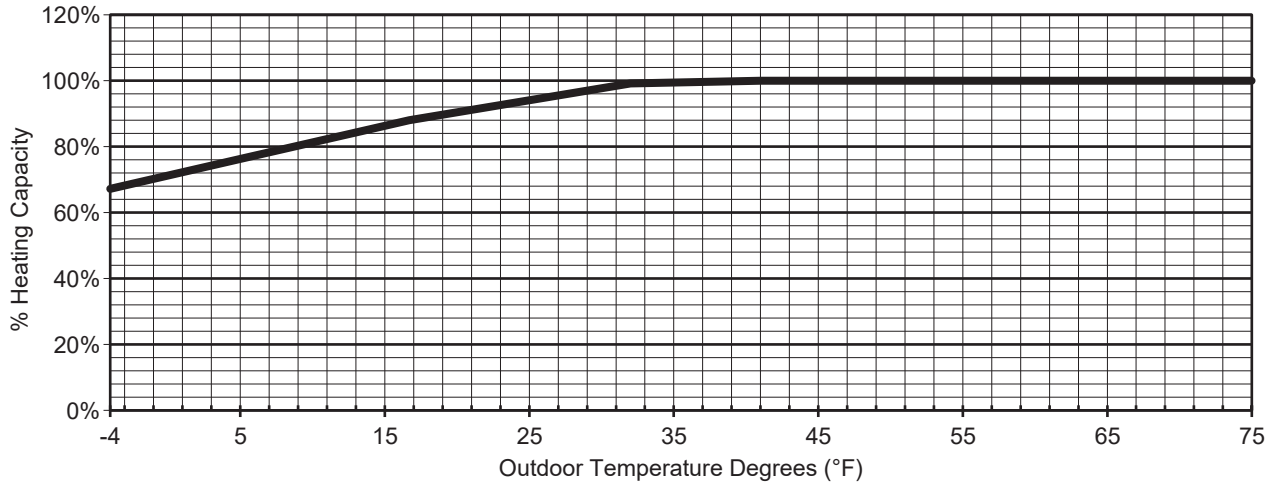
MUZ-HM12NA MUZ-HM12NAH



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	48%	61%	74%	83%	92%	100%	100%	100%	100%

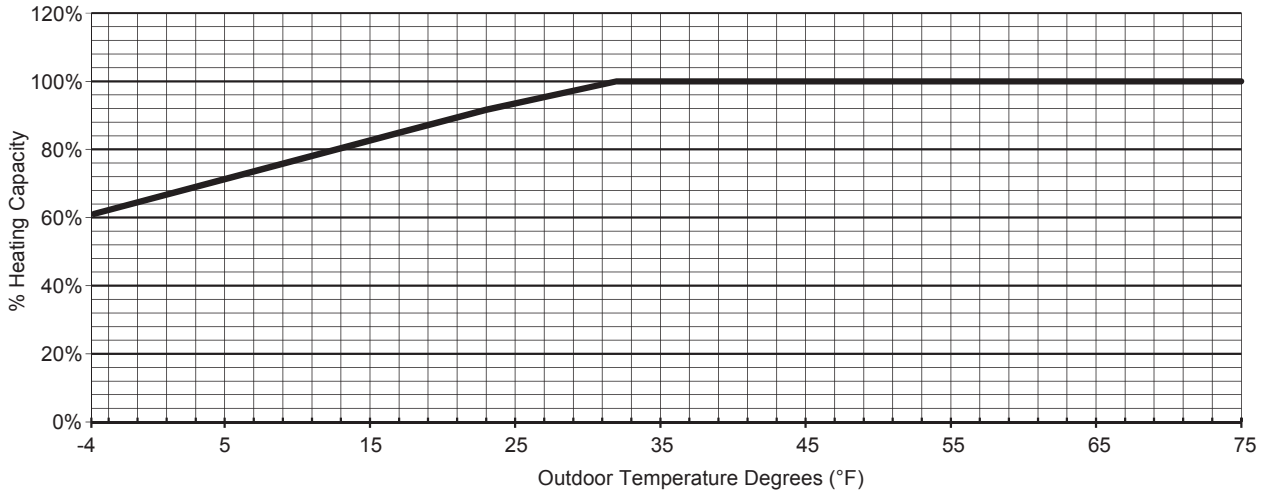
MUZ-HM15NA MUZ-HM15NAH



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	67%	76%	85%	93%	99%	100%	100%	100%	100%

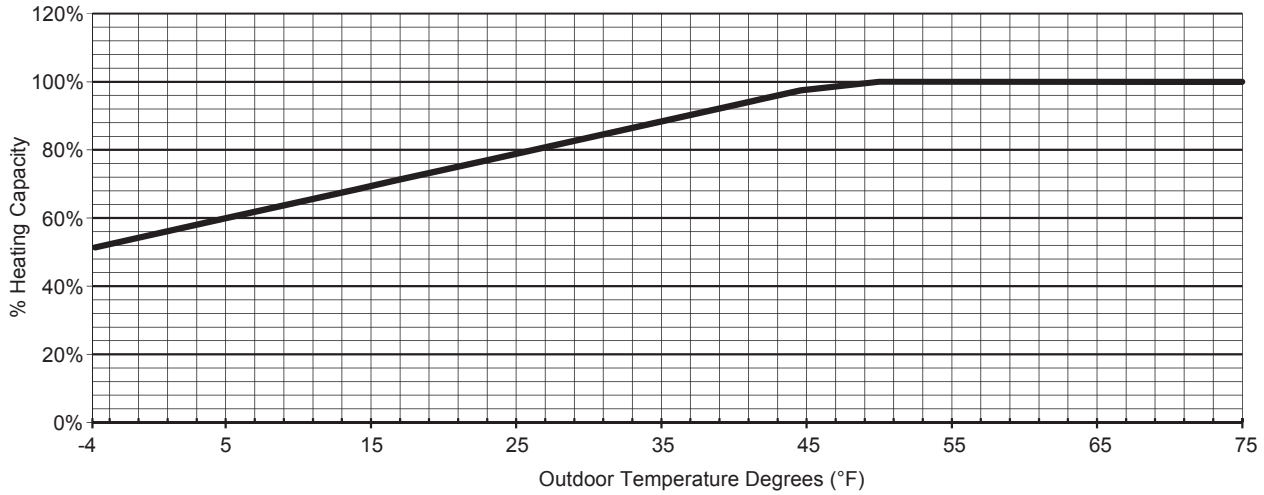
MUZ-HM18NA MUZ-HM18NAH



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	61%	71%	81%	92%	100%	100%	100%	100%	100%

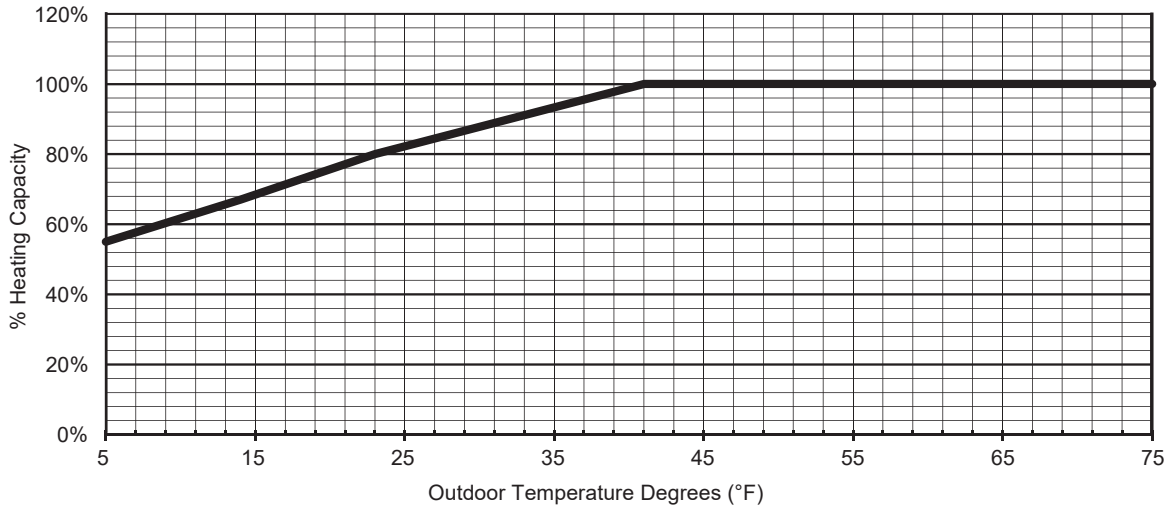
MUZ-HM24NA MUZ-HM24NAH



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	51%	60%	68%	77%	86%	94%	100%	100%	100%

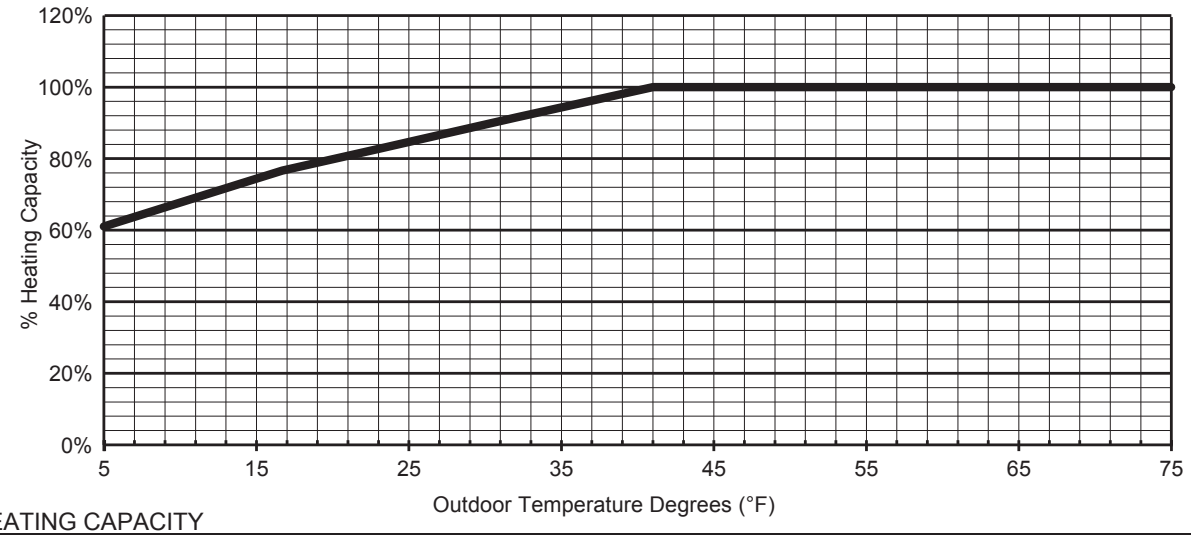
MUZ-WR09NA



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	55%	67%	80%	91%	100%	100%	100%	100%

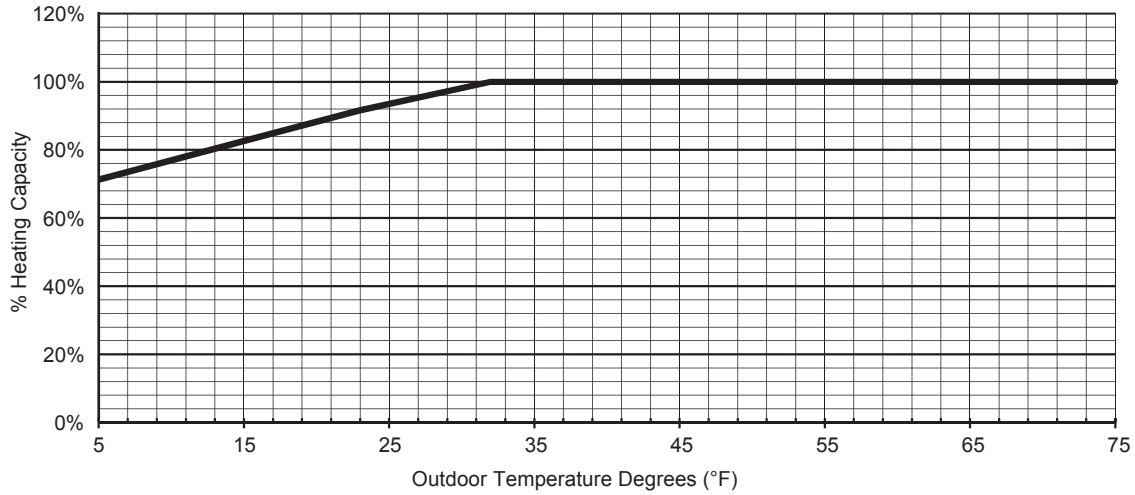
MUZ-WR12NA



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	61%	74%	83%	92%	100%	100%	100%	100%

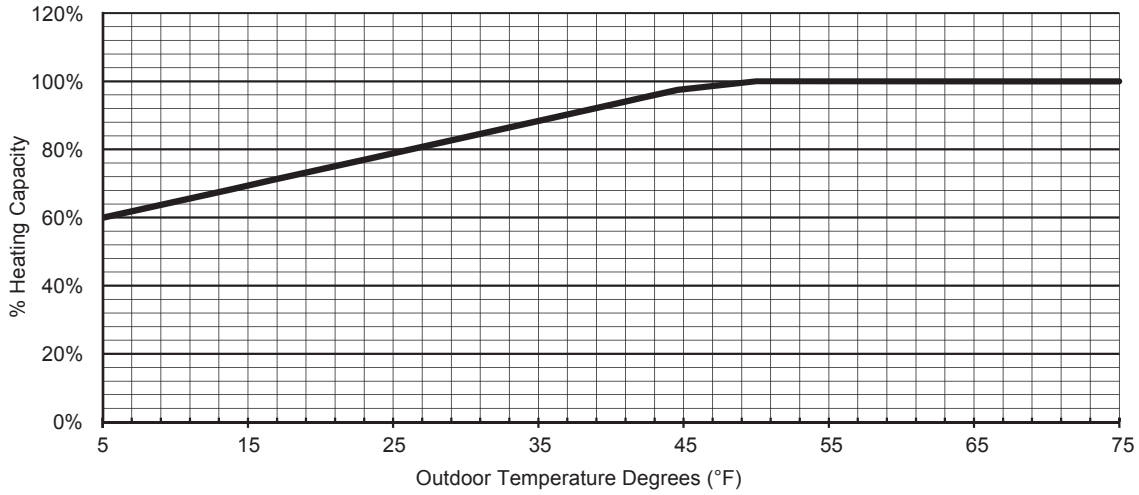
MUZ-WR18NA



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	71%	81%	92%	100%	100%	100%	100%	100%

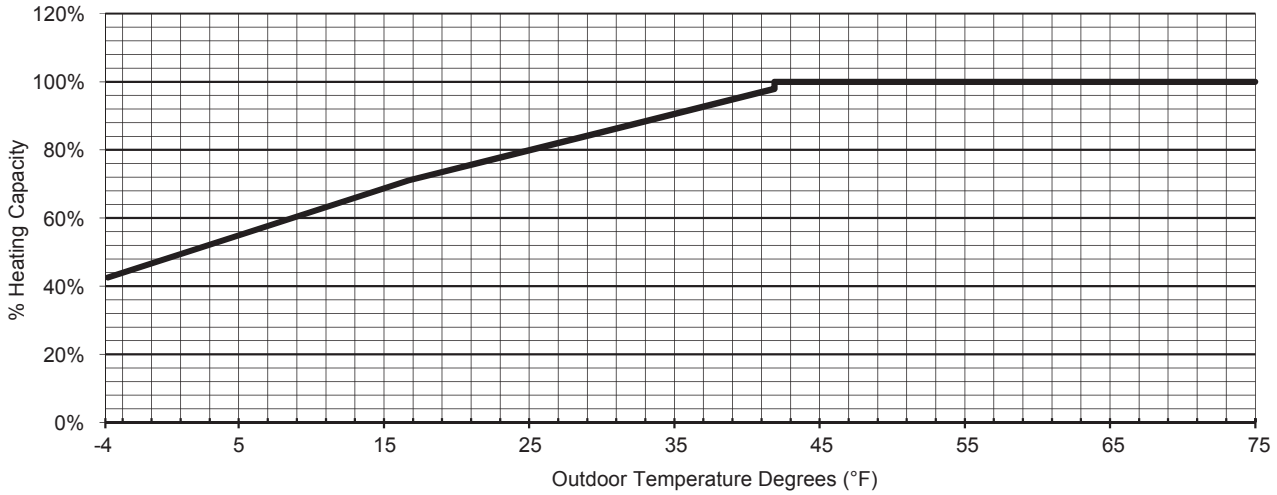
MUZ-WR24NA



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	60%	68%	77%	86%	94%	100%	100%	100%

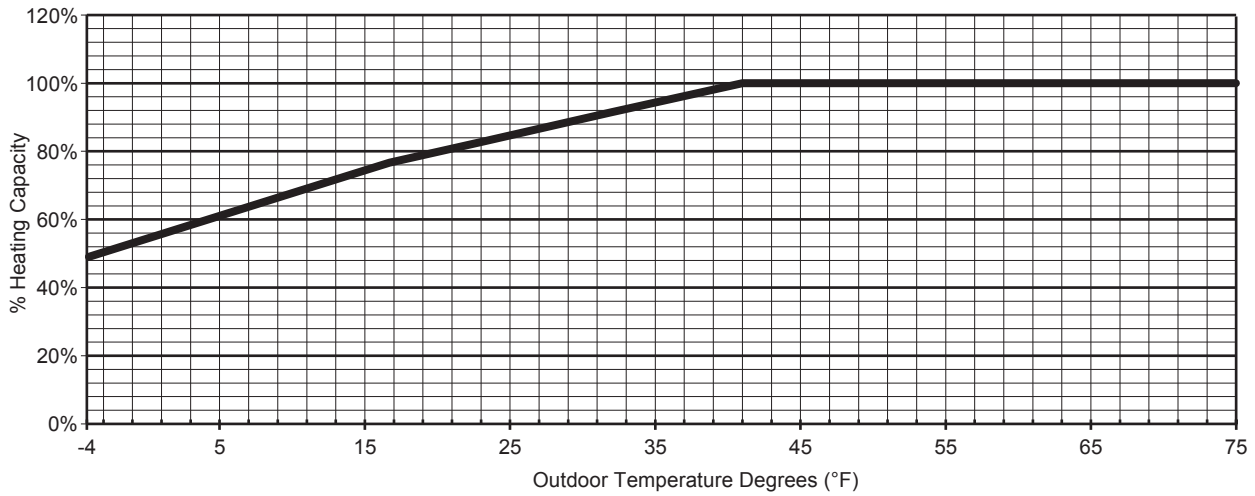
MUZ-JP09WA-U1



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	43%	55%	67%	78%	87%	97%	100%	100%	100%

MUZ-JP12WA-U1



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	48%	61%	74%	83%	92%	100%	100%	100%	100%

A.1.6 PERFORMANCE DATA

A.1.6.1 Inverter

COOLING CAPACITY

MSZ-FS06NA: MUZ-FS06NA MUZ-FS06NAH

CAPACITY (Btu/h): 6000 INPUT (W): 315 SHF: 0.96

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	7050	5499	0.78	252	6750	5265	0.78	265	6480	5054	0.78	277	6240	4867	0.78	290
70	68	7350	4851	0.66	265	7050	4653	0.66	280	6840	4514	0.66	287	6600	4356	0.66	299
72	64	7050	5781	0.82	252	6750	5535	0.82	265	6480	5314	0.82	277	6240	5117	0.82	290
72	68	7350	5145	0.70	265	7050	4935	0.70	280	6840	4788	0.70	287	6600	4620	0.70	299
72	72	7650	4437	0.58	274	7380	4280	0.58	291	7200	4176	0.58	299	6900	4002	0.58	312
73	64	7050	6063	0.86	252	6750	5805	0.86	265	6480	5573	0.86	277	6240	5366	0.86	290
73	68	7350	5439	0.74	265	7050	5217	0.74	280	6840	5062	0.74	287	6600	4884	0.74	299
73	72	7650	4743	0.62	274	7380	4576	0.62	291	7200	4464	0.62	299	6900	4278	0.62	312
75	64	7050	6345	0.90	252	6750	6075	0.90	265	6480	5832	0.90	277	6240	5616	0.90	290
75	68	7350	5733	0.78	265	7050	5499	0.78	280	6840	5335	0.78	287	6600	5148	0.78	299
75	72	7650	5049	0.66	274	7380	4871	0.66	291	7200	4752	0.66	299	6900	4554	0.66	312
75	75	8040	4342	0.54	287	7740	4180	0.54	302	7560	4082	0.54	312	7320	3953	0.54	328
77	64	7050	6627	0.94	252	6750	6345	0.94	265	6480	6091	0.94	277	6240	5866	0.94	290
77	68	7350	6027	0.82	265	7050	5781	0.82	280	6840	5609	0.82	287	6600	5412	0.82	299
77	72	7650	5355	0.70	274	7380	5166	0.70	291	7200	5040	0.70	299	6900	4830	0.70	312
77	75	8040	4663	0.58	287	7740	4489	0.58	302	7560	4385	0.58	312	7320	4246	0.58	328
79	64	7050	6909	0.98	252	6750	6615	0.98	265	6480	6350	0.98	277	6240	6115	0.98	290
79	68	7350	6321	0.86	265	7050	6063	0.86	280	6840	5882	0.86	287	6600	5676	0.86	299
79	72	7650	5661	0.74	274	7380	5461	0.74	291	7200	5328	0.74	299	6900	5106	0.74	312
79	75	8040	4985	0.62	287	7740	4799	0.62	302	7560	4687	0.62	312	7320	4538	0.62	328
79	79	8280	4140	0.50	302	8040	4020	0.50	318	7920	3960	0.50	328	7680	3840	0.50	337
81	64	7050	7050	1.00	252	6750	6750	1.00	265	6480	6480	1.00	277	6240	6240	1.00	290
81	68	7350	6615	0.90	265	7050	6345	0.90	280	6840	6156	0.90	287	6600	5940	0.90	299
81	72	7650	5967	0.78	274	7380	5756	0.78	291	7200	5616	0.78	299	6900	5382	0.78	312
81	75	8040	5306	0.66	287	7740	5108	0.66	302	7560	4990	0.66	312	7320	4831	0.66	328
81	79	8280	4471	0.54	302	8040	4342	0.54	318	7920	4277	0.54	328	7680	4147	0.54	337
82	64	7050	7050	1.00	252	6750	6750	1.00	265	6480	6480	1.00	277	6240	6240	1.00	290
82	68	7350	6909	0.94	265	7050	6627	0.94	280	6840	6430	0.94	287	6600	6204	0.94	299
82	72	7650	6273	0.82	274	7380	6052	0.82	291	7200	5904	0.82	299	6900	5658	0.82	312
82	75	8040	5628	0.70	287	7740	5418	0.70	302	7560	5292	0.70	312	7320	5124	0.70	328
82	79	8280	4802	0.58	302	8040	4663	0.58	318	7920	4594	0.58	328	7680	4454	0.58	337
84	64	7050	7050	1.00	252	6750	6750	1.00	265	6480	6480	1.00	277	6240	6240	1.00	290
84	68	7350	7203	0.98	265	7050	6909	0.98	280	6840	6703	0.98	287	6600	6468	0.98	299
84	72	7650	6579	0.86	274	7380	6347	0.86	291	7200	6192	0.86	299	6900	5934	0.86	312
84	75	8040	5950	0.74	287	7740	5728	0.74	302	7560	5594	0.74	312	7320	5417	0.74	328
84	79	8280	5134	0.62	302	8040	4985	0.62	318	7920	4910	0.62	328	7680	4762	0.62	337
86	64	7050	7050	1.00	252	6750	6750	1.00	265	6480	6480	1.00	277	6240	6240	1.00	290
86	68	7350	7350	1.00	265	7050	7050	1.00	280	6840	6840	1.00	287	6600	6600	1.00	299
86	72	7650	6885	0.90	274	7380	6642	0.90	291	7200	6480	0.90	299	6900	6210	0.90	312
86	75	8040	6271	0.78	287	7740	6037	0.78	302	7560	5897	0.78	312	7320	5710	0.78	328
86	79	8280	5465	0.66	302	8040	5306	0.66	318	7920	5227	0.66	328	7680	5069	0.66	337
88	64	7050	7050	1.00	252	6750	6750	1.00	265	6480	6480	1.00	277	6240	6240	1.00	290
88	68	7350	7350	1.00	265	7050	7050	1.00	280	6840	6840	1.00	287	6600	6600	1.00	299
88	72	7650	7191	0.94	274	7380	6937	0.94	291	7200	6768	0.94	299	6900	6486	0.94	312
88	75	8040	6593	0.82	287	7740	6347	0.82	302	7560	6199	0.82	312	7320	6002	0.82	328
88	79	8280	5796	0.70	302	8040	5628	0.70	318	7920	5544	0.70	328	7680	5376	0.70	337
90	64	7050	7050	1.00	252	6750	6750	1.00	265	6480	6480	1.00	277	6240	6240	1.00	290
90	68	7350	7350	1.00	265	7050	7050	1.00	280	6840	6840	1.00	287	6600	6600	1.00	299
90	72	7650	7497	0.98	274	7380	7232	0.98	291	7200	7056	0.98	299	6900	6762	0.98	312
90	75	8040	6914	0.86	287	7740	6656	0.86	302	7560	6502	0.86	312	7320	6295	0.86	328
90	79	8280	6127	0.74	302	8040	5950	0.74	318	7920	5861	0.74	328	7680	5683	0.74	337

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

COOLING CAPACITY

MSZ-FS06NA: MUZ-FS06NA MUZ-FS06NAH

CAPACITY (Btu/h): 6000 INPUT (W): 315 SHF: 0.96

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	5880	4586	0.78	309	5400	4212	0.78	328	4980	3884	0.78	340
70	68	6180	4079	0.66	321	5760	3802	0.66	337	5340	3524	0.66	356
72	64	5880	4822	0.82	309	5400	4428	0.82	328	4980	4084	0.82	340
72	68	6180	4326	0.70	321	5760	4032	0.70	337	5340	3738	0.70	356
72	72	6540	3793	0.58	334	6120	3550	0.58	353	5700	3306	0.58	365
73	64	5880	5057	0.86	309	5400	4644	0.86	328	4980	4283	0.86	340
73	68	6180	4573	0.74	321	5760	4262	0.74	337	5340	3952	0.74	356
73	72	6540	4055	0.62	334	6120	3794	0.62	353	5700	3534	0.62	365
75	64	5880	5292	0.90	309	5400	4860	0.90	328	4980	4482	0.90	340
75	68	6180	4820	0.78	321	5760	4493	0.78	337	5340	4165	0.78	356
75	72	6540	4316	0.66	334	6120	4039	0.66	353	5700	3762	0.66	365
75	75	6900	3726	0.54	347	6480	3499	0.54	362	6120	3305	0.54	378
77	64	5880	5527	0.94	309	5400	5076	0.94	328	4980	4681	0.94	340
77	68	6180	5068	0.82	321	5760	4723	0.82	337	5340	4379	0.82	356
77	72	6540	4578	0.70	334	6120	4284	0.70	353	5700	3990	0.70	365
77	75	6900	4002	0.58	347	6480	3758	0.58	362	6120	3550	0.58	378
79	64	5880	5762	0.98	309	5400	5292	0.98	328	4980	4880	0.98	340
79	68	6180	5315	0.86	321	5760	4954	0.86	337	5340	4592	0.86	356
79	72	6540	4840	0.74	334	6120	4529	0.74	353	5700	4218	0.74	365
79	75	6900	4278	0.62	347	6480	4018	0.62	362	6120	3794	0.62	378
79	79	7260	3630	0.50	359	6840	3420	0.50	375	6420	3210	0.50	391
81	64	5880	5880	1.00	309	5400	5400	1.00	328	4980	4980	1.00	340
81	68	6180	5562	0.90	321	5760	5184	0.90	337	5340	4806	0.90	356
81	72	6540	5101	0.78	334	6120	4774	0.78	353	5700	4446	0.78	365
81	75	6900	4554	0.66	347	6480	4277	0.66	362	6120	4039	0.66	378
81	79	7260	3920	0.54	359	6840	3694	0.54	375	6420	3467	0.54	391
82	64	5880	5880	1.00	309	5400	5400	1.00	328	4980	4980	1.00	340
82	68	6180	5809	0.94	321	5760	5414	0.94	337	5340	5020	0.94	356
82	72	6540	5363	0.82	334	6120	5018	0.82	353	5700	4674	0.82	365
82	75	6900	4830	0.70	347	6480	4536	0.70	362	6120	4284	0.70	378
82	79	7260	4211	0.58	359	6840	3967	0.58	375	6420	3724	0.58	391
84	64	5880	5880	1.00	309	5400	5400	1.00	328	4980	4980	1.00	340
84	68	6180	6056	0.98	321	5760	5645	0.98	337	5340	5233	0.98	356
84	72	6540	5624	0.86	334	6120	5263	0.86	353	5700	4902	0.86	365
84	75	6900	5106	0.74	347	6480	4795	0.74	362	6120	4529	0.74	378
84	79	7260	4501	0.62	359	6840	4241	0.62	375	6420	3980	0.62	391
86	64	5880	5880	1.00	309	5400	5400	1.00	328	4980	4980	1.00	340
86	68	6180	6180	1.00	321	5760	5760	1.00	337	5340	5340	1.00	356
86	72	6540	5886	0.90	334	6120	5508	0.90	353	5700	5130	0.90	365
86	75	6900	5382	0.78	347	6480	5054	0.78	362	6120	4774	0.78	378
86	79	7260	4792	0.66	359	6840	4514	0.66	375	6420	4237	0.66	391
88	64	5880	5880	1.00	309	5400	5400	1.00	328	4980	4980	1.00	340
88	68	6180	6180	1.00	321	5760	5760	1.00	337	5340	5340	1.00	356
88	72	6540	6148	0.94	334	6120	5753	0.94	353	5700	5358	0.94	365
88	75	6900	5658	0.82	347	6480	5314	0.82	362	6120	5018	0.82	378
88	79	7260	5082	0.70	359	6840	4788	0.70	375	6420	4494	0.70	391
90	64	5880	5880	1.00	309	5400	5400	1.00	328	4980	4980	1.00	340
90	68	6180	6180	1.00	321	5760	5760	1.00	337	5340	5340	1.00	356
90	72	6540	6409	0.98	334	6120	5998	0.98	353	5700	5586	0.98	365
90	75	6900	5934	0.86	347	6480	5573	0.86	362	6120	5263	0.86	378
90	79	7260	5372	0.74	359	6840	5062	0.74	375	6420	4751	0.74	391

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

COOLING CAPACITY

MSZ-FS09NA: MUZ-FS09NA MUZ-FS09NAH

CAPACITY (Btu/h): 9000 INPUT (W): 560 SHF: 0.92

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	10575	7826	0.74	448	10125	7493	0.74	470	9720	7193	0.74	493	9360	6926	0.74	515
70	68	11025	6836	0.62	470	10575	6557	0.62	498	10260	6361	0.62	510	9900	6138	0.62	532
72	64	10575	8249	0.78	448	10125	7898	0.78	470	9720	7582	0.78	493	9360	7301	0.78	515
72	68	11025	7277	0.66	470	10575	6980	0.66	498	10260	6772	0.66	510	9900	6534	0.66	532
72	72	11475	6197	0.54	487	11070	5978	0.54	518	10800	5832	0.54	532	10350	5589	0.54	554
73	64	10575	8672	0.82	448	10125	8303	0.82	470	9720	7970	0.82	493	9360	7675	0.82	515
73	68	11025	7718	0.70	470	10575	7403	0.70	498	10260	7182	0.70	510	9900	6930	0.70	532
73	72	11475	6656	0.58	487	11070	6421	0.58	518	10800	6264	0.58	532	10350	6003	0.58	554
75	64	10575	9095	0.86	448	10125	8708	0.86	470	9720	8359	0.86	493	9360	8050	0.86	515
75	68	11025	8159	0.74	470	10575	7826	0.74	498	10260	7592	0.74	510	9900	7326	0.74	532
75	72	11475	7115	0.62	487	11070	6863	0.62	518	10800	6696	0.62	532	10350	6417	0.62	554
75	75	12060	6030	0.50	510	11610	5805	0.50	538	11340	5670	0.50	554	10980	5490	0.50	582
77	64	10575	9518	0.90	448	10125	9113	0.90	470	9720	8748	0.90	493	9360	8424	0.90	515
77	68	11025	8600	0.78	470	10575	8249	0.78	498	10260	8003	0.78	510	9900	7722	0.78	532
77	72	11475	7574	0.66	487	11070	7306	0.66	518	10800	7128	0.66	532	10350	6831	0.66	554
77	75	12060	6512	0.54	510	11610	6269	0.54	538	11340	6124	0.54	554	10980	5929	0.54	582
79	64	10575	9941	0.94	448	10125	9518	0.94	470	9720	9137	0.94	493	9360	8798	0.94	515
79	68	11025	9041	0.82	470	10575	8672	0.82	498	10260	8413	0.82	510	9900	8118	0.82	532
79	72	11475	8033	0.70	487	11070	7749	0.70	518	10800	7560	0.70	532	10350	7245	0.70	554
79	75	12060	6995	0.58	510	11610	6734	0.58	538	11340	6577	0.58	554	10980	6368	0.58	582
79	79	12420	5713	0.46	538	12060	5548	0.46	566	11880	5465	0.46	582	11520	5299	0.46	599
81	64	10575	10364	0.98	448	10125	9923	0.98	470	9720	9526	0.98	493	9360	9173	0.98	515
81	68	11025	9482	0.86	470	10575	9095	0.86	498	10260	8824	0.86	510	9900	8514	0.86	532
81	72	11475	8492	0.74	487	11070	8192	0.74	518	10800	7992	0.74	532	10350	7659	0.74	554
81	75	12060	7477	0.62	510	11610	7198	0.62	538	11340	7031	0.62	554	10980	6808	0.62	582
81	79	12420	6210	0.50	538	12060	6030	0.50	566	11880	5940	0.50	582	11520	5760	0.50	599
82	64	10575	10575	1.00	448	10125	10125	1.00	470	9720	9720	1.00	493	9360	9360	1.00	515
82	68	11025	9923	0.90	470	10575	9518	0.90	498	10260	9234	0.90	510	9900	8910	0.90	532
82	72	11475	8951	0.78	487	11070	8635	0.78	518	10800	8424	0.78	532	10350	8073	0.78	554
82	75	12060	7960	0.66	510	11610	7663	0.66	538	11340	7484	0.66	554	10980	7247	0.66	582
82	79	12420	6707	0.54	538	12060	6512	0.54	566	11880	6415	0.54	582	11520	6221	0.54	599
84	64	10575	10575	1.00	448	10125	10125	1.00	470	9720	9720	1.00	493	9360	9360	1.00	515
84	68	11025	10364	0.94	470	10575	9941	0.94	498	10260	9644	0.94	510	9900	9306	0.94	532
84	72	11475	9410	0.82	487	11070	9077	0.82	518	10800	8856	0.82	532	10350	8487	0.82	554
84	75	12060	8442	0.70	510	11610	8127	0.70	538	11340	7938	0.70	554	10980	7686	0.70	582
84	79	12420	7204	0.58	538	12060	6995	0.58	566	11880	6890	0.58	582	11520	6682	0.58	599
86	64	10575	10575	1.00	448	10125	10125	1.00	470	9720	9720	1.00	493	9360	9360	1.00	515
86	68	11025	10805	0.98	470	10575	10364	0.98	498	10260	10055	0.98	510	9900	9702	0.98	532
86	72	11475	9869	0.86	487	11070	9520	0.86	518	10800	9288	0.86	532	10350	8901	0.86	554
86	75	12060	8924	0.74	510	11610	8591	0.74	538	11340	8392	0.74	554	10980	8125	0.74	582
86	79	12420	7700	0.62	538	12060	7477	0.62	566	11880	7366	0.62	582	11520	7142	0.62	599
88	64	10575	10575	1.00	448	10125	10125	1.00	470	9720	9720	1.00	493	9360	9360	1.00	515
88	68	11025	11025	1.00	470	10575	10575	1.00	498	10260	10260	1.00	510	9900	9900	1.00	532
88	72	11475	10328	0.90	487	11070	9963	0.90	518	10800	9720	0.90	532	10350	9315	0.90	554
88	75	12060	9407	0.78	510	11610	9056	0.78	538	11340	8845	0.78	554	10980	8564	0.78	582
88	79	12420	8197	0.66	538	12060	7960	0.66	566	11880	7841	0.66	582	11520	7603	0.66	599
90	64	10575	10575	1.00	448	10125	10125	1.00	470	9720	9720	1.00	493	9360	9360	1.00	515
90	68	11025	11025	1.00	470	10575	10575	1.00	498	10260	10260	1.00	510	9900	9900	1.00	532
90	72	11475	10787	0.94	487	11070	10406	0.94	518	10800	10152	0.94	532	10350	9729	0.94	554
90	75	12060	9889	0.82	510	11610	9520	0.82	538	11340	9299	0.82	554	10980	9004	0.82	582
90	79	12420	8694	0.70	538	12060	8442	0.70	566	11880	8316	0.70	582	11520	8064	0.70	599

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

COOLING CAPACITY

MSZ-FS09NA: MUZ-FS09NA MUZ-FS09NAH

CAPACITY (Btu/h): 9000 INPUT (W): 560 SHF: 0.92

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	8820	6527	0.74	549	8100	5994	0.74	582	7470	5528	0.74	605
70	68	9270	5747	0.62	571	8640	5357	0.62	599	8010	4966	0.62	633
72	64	8820	6880	0.78	549	8100	6318	0.78	582	7470	5827	0.78	605
72	68	9270	6118	0.66	571	8640	5702	0.66	599	8010	5287	0.66	633
72	72	9810	5297	0.54	594	9180	4957	0.54	627	8550	4617	0.54	650
73	64	8820	7232	0.82	549	8100	6642	0.82	582	7470	6125	0.82	605
73	68	9270	6489	0.70	571	8640	6048	0.70	599	8010	5607	0.70	633
73	72	9810	5690	0.58	594	9180	5324	0.58	627	8550	4959	0.58	650
75	64	8820	7585	0.86	549	8100	6966	0.86	582	7470	6424	0.86	605
75	68	9270	6860	0.74	571	8640	6394	0.74	599	8010	5927	0.74	633
75	72	9810	6082	0.62	594	9180	5692	0.62	627	8550	5301	0.62	650
75	75	10350	5175	0.50	616	9720	4860	0.50	644	9180	4590	0.50	672
77	64	8820	7938	0.90	549	8100	7290	0.90	582	7470	6723	0.9	605
77	68	9270	7231	0.78	571	8640	6739	0.78	599	8010	6248	0.78	633
77	72	9810	6475	0.66	594	9180	6059	0.66	627	8550	5643	0.66	650
77	75	10350	5589	0.54	616	9720	5249	0.54	644	9180	4957	0.54	672
79	64	8820	8291	0.94	549	8100	7614	0.94	582	7470	7022	0.94	605
79	68	9270	7601	0.82	571	8640	7085	0.82	599	8010	6568	0.82	633
79	72	9810	6867	0.70	594	9180	6426	0.70	627	8550	5985	0.70	650
79	75	10350	6003	0.58	616	9720	5638	0.58	644	9180	5324	0.58	672
79	79	10890	5009	0.46	638	10260	4720	0.46	666	9630	4430	0.46	694
81	64	8820	8644	0.98	549	8100	7938	0.98	582	7470	7321	0.98	605
81	68	9270	7972	0.86	571	8640	7430	0.86	599	8010	6889	0.86	633
81	72	9810	7259	0.74	594	9180	6793	0.74	627	8550	6327	0.74	650
81	75	10350	6417	0.62	616	9720	6026	0.62	644	9180	5692	0.62	672
81	79	10890	5445	0.50	638	10260	5130	0.50	666	9630	4815	0.50	694
82	64	8820	8820	1.00	549	8100	8100	1.00	582	7470	7470	1.00	605
82	68	9270	8343	0.90	571	8640	7776	0.90	599	8010	7209	0.90	633
82	72	9810	7652	0.78	594	9180	7160	0.78	627	8550	6669	0.78	650
82	75	10350	6831	0.66	616	9720	6415	0.66	644	9180	6059	0.66	672
82	79	10890	5881	0.54	638	10260	5540	0.54	666	9630	5200	0.54	694
84	64	8820	8820	1.00	549	8100	8100	1.00	582	7470	7470	1.00	605
84	68	9270	8714	0.94	571	8640	8122	0.94	599	8010	7529	0.94	633
84	72	9810	8044	0.82	594	9180	7528	0.82	627	8550	7011	0.82	650
84	75	10350	7245	0.70	616	9720	6804	0.70	644	9180	6426	0.70	672
84	79	10890	6316	0.58	638	10260	5951	0.58	666	9630	5585	0.58	694
86	64	8820	8820	1.00	549	8100	8100	1.00	582	7470	7470	1.00	605
86	68	9270	9085	0.98	571	8640	8467	0.98	599	8010	7850	0.98	633
86	72	9810	8437	0.86	594	9180	7895	0.86	627	8550	7353	0.86	650
86	75	10350	7659	0.74	616	9720	7193	0.74	644	9180	6793	0.74	672
86	79	10890	6752	0.62	638	10260	6361	0.62	666	9630	5971	0.62	694
88	64	8820	8820	1.00	549	8100	8100	1.00	582	7470	7470	1.00	605
88	68	9270	9270	1.00	571	8640	8640	1.00	599	8010	8010	1.00	633
88	72	9810	8829	0.90	594	9180	8262	0.90	627	8550	7695	0.90	650
88	75	10350	8073	0.78	616	9720	7582	0.78	644	9180	7160	0.78	672
88	79	10890	7187	0.66	638	10260	6772	0.66	666	9630	6356	0.66	694
90	64	8820	8820	1.00	549	8100	8100	1.00	582	7470	7470	1.00	605
90	68	9270	9270	1.00	571	8640	8640	1.00	599	8010	8010	1.00	633
90	72	9810	9221	0.94	594	9180	8629	0.94	627	8550	8037	0.94	650
90	75	10350	8487	0.82	616	9720	7970	0.82	644	9180	7528	0.82	672
90	79	10890	7623	0.70	638	10260	7182	0.70	666	9630	6741	0.70	694

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

COOLING CAPACITY

MSZ-FS12NA: MUZ-FS12NA MUZ-FS12NAH

CAPACITY (Btu/h): 12000 INPUT (W): 870 SHF: 0.83

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	14100	9165	0.65	696	13500	8775	0.65	731	12960	8424	0.65	766	12480	8112	0.65	800
70	68	14700	7791	0.53	731	14100	7473	0.53	774	13680	7250	0.53	792	13200	6996	0.53	827
72	64	14100	9729	0.69	696	13500	9315	0.69	731	12960	8942	0.69	766	12480	8611	0.69	800
72	68	14700	8379	0.57	731	14100	8037	0.57	774	13680	7798	0.57	792	13200	7524	0.57	827
72	72	15300	6885	0.45	757	14760	6642	0.45	805	14400	6480	0.45	827	13800	6210	0.45	861
73	64	14100	10293	0.73	696	13500	9855	0.73	731	12960	9461	0.73	766	12480	9110	0.73	800
73	68	14700	8967	0.61	731	14100	8601	0.61	774	13680	8345	0.61	792	13200	8052	0.61	827
73	72	15300	7497	0.49	757	14760	7232	0.49	805	14400	7056	0.49	827	13800	6762	0.49	861
75	64	14100	10857	0.77	696	13500	10395	0.77	731	12960	9979	0.77	766	12480	9610	0.77	800
75	68	14700	9555	0.65	731	14100	9165	0.65	774	13680	8892	0.65	792	13200	8580	0.65	827
75	72	15300	8109	0.53	757	14760	7823	0.53	805	14400	7632	0.53	827	13800	7314	0.53	861
75	75	16080	6593	0.41	792	15480	6347	0.41	835	15120	6199	0.41	861	14640	6002	0.41	905
77	64	14100	11421	0.81	696	13500	10935	0.81	731	12960	10498	0.81	766	12480	10109	0.81	800
77	68	14700	10143	0.69	731	14100	9729	0.69	774	13680	9439	0.69	792	13200	9108	0.69	827
77	72	15300	8721	0.57	757	14760	8413	0.57	805	14400	8208	0.57	827	13800	7866	0.57	861
77	75	16080	7236	0.45	792	15480	6966	0.45	835	15120	6804	0.45	861	14640	6588	0.45	905
79	64	14100	11985	0.85	696	13500	11475	0.85	731	12960	11016	0.85	766	12480	10608	0.85	800
79	68	14700	10731	0.73	731	14100	10293	0.73	774	13680	9986	0.73	792	13200	9636	0.73	827
79	72	15300	9333	0.61	757	14760	9004	0.61	805	14400	8784	0.61	827	13800	8418	0.61	861
79	75	16080	7879	0.49	792	15480	7585	0.49	835	15120	7409	0.49	861	14640	7174	0.49	905
79	79	16560	6127	0.37	835	16080	5950	0.37	879	15840	5861	0.37	905	15360	5683	0.37	931
81	64	14100	12549	0.89	696	13500	12015	0.89	731	12960	11534	0.89	766	12480	11107	0.89	800
81	68	14700	11319	0.77	731	14100	10857	0.77	774	13680	10534	0.77	792	13200	10164	0.77	827
81	72	15300	9945	0.65	757	14760	9594	0.65	805	14400	9360	0.65	827	13800	8970	0.65	861
81	75	16080	8522	0.53	792	15480	8204	0.53	835	15120	8014	0.53	861	14640	7759	0.53	905
81	79	16560	6790	0.41	835	16080	6593	0.41	879	15840	6494	0.41	905	15360	6298	0.41	931
82	64	14100	13113	0.93	696	13500	12555	0.93	731	12960	12053	0.93	766	12480	11606	0.93	800
82	68	14700	11907	0.81	731	14100	11421	0.81	774	13680	11081	0.81	792	13200	10692	0.81	827
82	72	15300	10557	0.69	757	14760	10184	0.69	805	14400	9936	0.69	827	13800	9522	0.69	861
82	75	16080	9166	0.57	792	15480	8824	0.57	835	15120	8618	0.57	861	14640	8345	0.57	905
82	79	16560	7452	0.45	835	16080	7236	0.45	879	15840	7128	0.45	905	15360	6912	0.45	931
84	64	14100	13677	0.97	696	13500	13095	0.97	731	12960	12571	0.97	766	12480	12106	0.97	800
84	68	14700	12495	0.85	731	14100	11985	0.85	774	13680	11628	0.85	792	13200	11220	0.85	827
84	72	15300	11169	0.73	757	14760	10775	0.73	805	14400	10512	0.73	827	13800	10074	0.73	861
84	75	16080	9809	0.61	792	15480	9443	0.61	835	15120	9223	0.61	861	14640	8930	0.61	905
84	79	16560	8114	0.49	835	16080	7879	0.49	879	15840	7762	0.49	905	15360	7526	0.49	931
86	64	14100	14100	1.00	696	13500	13500	1.00	731	12960	12960	1.00	766	12480	12480	1.00	800
86	68	14700	13083	0.89	731	14100	12549	0.89	774	13680	12175	0.89	792	13200	11748	0.89	827
86	72	15300	11781	0.77	757	14760	11365	0.77	805	14400	11088	0.77	827	13800	10626	0.77	861
86	75	16080	10452	0.65	792	15480	10062	0.65	835	15120	9828	0.65	861	14640	9516	0.65	905
86	79	16560	8777	0.53	835	16080	8522	0.53	879	15840	8395	0.53	905	15360	8141	0.53	931
88	64	14100	14100	1.00	696	13500	13500	1.00	731	12960	12960	1.00	766	12480	12480	1.00	800
88	68	14700	13671	0.93	731	14100	13113	0.93	774	13680	12722	0.93	792	13200	12276	0.93	827
88	72	15300	12393	0.81	757	14760	11956	0.81	805	14400	11664	0.81	827	13800	11178	0.81	861
88	75	16080	11095	0.69	792	15480	10681	0.69	835	15120	10433	0.69	861	14640	10102	0.69	905
88	79	16560	9439	0.57	835	16080	9166	0.57	879	15840	9029	0.57	905	15360	8755	0.57	931
90	64	14100	14100	1.00	696	13500	13500	1.00	731	12960	12960	1.00	766	12480	12480	1.00	800
90	68	14700	14259	0.97	731	14100	13677	0.97	774	13680	13270	0.97	792	13200	12804	0.97	827
90	72	15300	13005	0.85	757	14760	12546	0.85	805	14400	12240	0.85	827	13800	11730	0.85	861
90	75	16080	11738	0.73	792	15480	11300	0.73	835	15120	11038	0.73	861	14640	10687	0.73	905
90	79	16560	10102	0.61	835	16080	9809	0.61	879	15840	9662	0.61	905	15360	9370	0.61	931

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

COOLING CAPACITY

MSZ-FS12NA: MUZ-FS12NA MUZ-FS12NAH

CAPACITY (Btu/h): 12000 INPUT (W): 870 SHF: 0.83

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	11760	7644	0.65	853	10800	7020	0.65	905	9960	6474	0.65	940
70	68	12360	6551	0.53	887	11520	6106	0.53	931	10680	5660	0.53	983
72	64	11760	8114	0.69	853	10800	7452	0.69	905	9960	6872	0.69	940
72	68	12360	7045	0.57	887	11520	6566	0.57	931	10680	6088	0.57	983
72	72	13080	5886	0.45	922	12240	5508	0.45	974	11400	5130	0.45	1009
73	64	11760	8585	0.73	853	10800	7884	0.73	905	9960	7271	0.73	940
73	68	12360	7540	0.61	887	11520	7027	0.61	931	10680	6515	0.61	983
73	72	13080	6409	0.49	922	12240	5998	0.49	974	11400	5586	0.49	1009
75	64	11760	9055	0.77	853	10800	8316	0.77	905	9960	7669	0.77	940
75	68	12360	8034	0.65	887	11520	7488	0.65	931	10680	6942	0.65	983
75	72	13080	6932	0.53	922	12240	6487	0.53	974	11400	6042	0.53	1009
75	75	13800	5658	0.41	957	12960	5314	0.41	1001	12240	5018	0.41	1044
77	64	11760	9526	0.81	853	10800	8748	0.81	905	9960	8068	0.81	940
77	68	12360	8528	0.69	887	11520	7949	0.69	931	10680	7369	0.69	983
77	72	13080	7456	0.57	922	12240	6977	0.57	974	11400	6498	0.57	1009
77	75	13800	6210	0.45	957	12960	5832	0.45	1001	12240	5508	0.45	1044
79	64	11760	9996	0.85	853	10800	9180	0.85	905	9960	8466	0.85	940
79	68	12360	9023	0.73	887	11520	8410	0.73	931	10680	7796	0.73	983
79	72	13080	7979	0.61	922	12240	7466	0.61	974	11400	6954	0.61	1009
79	75	13800	6762	0.49	957	12960	6350	0.49	1001	12240	5998	0.49	1044
79	79	14520	5372	0.37	992	13680	5062	0.37	1035	12840	4751	0.37	1079
81	64	11760	10466	0.89	853	10800	9612	0.89	905	9960	8864	0.89	940
81	68	12360	9517	0.77	887	11520	8870	0.77	931	10680	8224	0.77	983
81	72	13080	8502	0.65	922	12240	7956	0.65	974	11400	7410	0.65	1009
81	75	13800	7314	0.53	957	12960	6869	0.53	1001	12240	6487	0.53	1044
81	79	14520	5953	0.41	992	13680	5609	0.41	1035	12840	5264	0.41	1079
82	64	11760	10937	0.93	853	10800	10044	0.93	905	9960	9263	0.93	940
82	68	12360	10012	0.81	887	11520	9331	0.81	931	10680	8651	0.81	983
82	72	13080	9025	0.69	922	12240	8446	0.69	974	11400	7866	0.69	1009
82	75	13800	7866	0.57	957	12960	7387	0.57	1001	12240	6977	0.57	1044
82	79	14520	6534	0.45	992	13680	6156	0.45	1035	12840	5778	0.45	1079
84	64	11760	11407	0.97	853	10800	10476	0.97	905	9960	9661	0.97	940
84	68	12360	10506	0.85	887	11520	9792	0.85	931	10680	9078	0.85	983
84	72	13080	9548	0.73	922	12240	8935	0.73	974	11400	8322	0.73	1009
84	75	13800	8418	0.61	957	12960	7906	0.61	1001	12240	7466	0.61	1044
84	79	14520	7115	0.49	992	13680	6703	0.49	1035	12840	6292	0.49	1079
86	64	11760	11760	1.00	853	10800	10800	1.00	905	9960	9960	1.00	940
86	68	12360	11000	0.89	887	11520	10253	0.89	931	10680	9505	0.89	983
86	72	13080	10072	0.77	922	12240	9425	0.77	974	11400	8778	0.77	1009
86	75	13800	8970	0.65	957	12960	8424	0.65	1001	12240	7956	0.65	1044
86	79	14520	7696	0.53	992	13680	7250	0.53	1035	12840	6805	0.53	1079
88	64	11760	11760	1.00	853	10800	10800	1.00	905	9960	9960	1.00	940
88	68	12360	11495	0.93	887	11520	10714	0.93	931	10680	9932	0.93	983
88	72	13080	10595	0.81	922	12240	9914	0.81	974	11400	9234	0.81	1009
88	75	13800	9522	0.69	957	12960	8942	0.69	1001	12240	8446	0.69	1044
88	79	14520	8276	0.57	992	13680	7798	0.57	1035	12840	7319	0.57	1079
90	64	11760	11760	1.00	853	10800	10800	1.00	905	9960	9960	1.00	940
90	68	12360	11989	0.97	887	11520	11174	0.97	931	10680	10360	0.97	983
90	72	13080	11118	0.85	922	12240	10404	0.85	974	11400	9690	0.85	1009
90	75	13800	10074	0.73	957	12960	9461	0.73	1001	12240	8935	0.73	1044
90	79	14520	8857	0.61	992	13680	8345	0.61	1035	12840	7832	0.61	1079

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

COOLING CAPACITY

MSZ-FS15NA: MUZ-FS15NA MUZ-FS15NAH

CAPACITY (Btu/h): 14000 INPUT (W): 1000 SHF: 0.7

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	16450	8554	0.52	800	15750	8190	0.52	840	15120	7862	0.52	880	14560	7571	0.52	920
70	68	17150	6860	0.40	840	16450	6580	0.40	890	15960	6384	0.40	910	15400	6160	0.40	950
72	64	16450	9212	0.56	800	15750	8820	0.56	840	15120	8467	0.56	880	14560	8154	0.56	920
72	68	17150	7546	0.44	840	16450	7238	0.44	890	15960	7022	0.44	910	15400	6776	0.44	950
72	72	17850	5712	0.32	870	17220	5510	0.32	925	16800	5376	0.32	950	16100	5152	0.32	990
73	64	16450	9870	0.60	800	15750	9450	0.60	840	15120	9072	0.60	880	14560	8736	0.60	920
73	68	17150	8232	0.48	840	16450	7896	0.48	890	15960	7661	0.48	910	15400	7392	0.48	950
73	72	17850	6426	0.36	870	17220	6199	0.36	925	16800	6048	0.36	950	16100	5796	0.36	990
75	64	16450	10528	0.64	800	15750	10080	0.64	840	15120	9677	0.64	880	14560	9318	0.64	920
75	68	17150	8918	0.52	840	16450	8554	0.52	890	15960	8299	0.52	910	15400	8008	0.52	950
75	72	17850	7140	0.40	870	17220	6888	0.40	925	16800	6720	0.40	950	16100	6440	0.40	990
75	75	18760	5253	0.28	910	18060	5057	0.28	960	17640	4939	0.28	990	17080	4782	0.28	1040
77	64	16450	11186	0.68	800	15750	10710	0.68	840	15120	10282	0.68	880	14560	9901	0.68	920
77	68	17150	9604	0.56	840	16450	9212	0.56	890	15960	8938	0.56	910	15400	8624	0.56	950
77	72	17850	7854	0.44	870	17220	7577	0.44	925	16800	7392	0.44	950	16100	7084	0.44	990
77	75	18760	6003	0.32	910	18060	5779	0.32	960	17640	5645	0.32	990	17080	5466	0.32	1040
79	64	16450	11844	0.72	800	15750	11340	0.72	840	15120	10886	0.72	880	14560	10483	0.72	920
79	68	17150	10290	0.60	840	16450	9870	0.60	890	15960	9576	0.60	910	15400	9240	0.60	950
79	72	17850	8568	0.48	870	17220	8266	0.48	925	16800	8064	0.48	950	16100	7728	0.48	990
79	75	18760	6754	0.36	910	18060	6502	0.36	960	17640	6350	0.36	990	17080	6149	0.36	1040
79	79	19320	4637	0.24	960	18760	4502	0.24	1010	18480	4435	0.24	1040	17920	4301	0.24	1070
81	64	16450	12502	0.76	800	15750	11970	0.76	840	15120	11491	0.76	880	14560	11066	0.76	920
81	68	17150	10976	0.64	840	16450	10528	0.64	890	15960	10214	0.64	910	15400	9856	0.64	950
81	72	17850	9282	0.52	870	17220	8954	0.52	925	16800	8736	0.52	950	16100	8372	0.52	990
81	75	18760	7504	0.40	910	18060	7224	0.40	960	17640	7056	0.40	990	17080	6832	0.40	1040
81	79	19320	5410	0.28	960	18760	5253	0.28	1010	18480	5174	0.28	1040	17920	5018	0.28	1070
82	64	16450	13160	0.80	800	15750	12600	0.80	840	15120	12096	0.80	880	14560	11648	0.80	920
82	68	17150	11662	0.68	840	16450	11186	0.68	890	15960	10853	0.68	910	15400	10472	0.68	950
82	72	17850	9996	0.56	870	17220	9643	0.56	925	16800	9408	0.56	950	16100	9016	0.56	990
82	75	18760	8254	0.44	910	18060	7946	0.44	960	17640	7762	0.44	990	17080	7515	0.44	1040
82	79	19320	6182	0.32	960	18760	6003	0.32	1010	18480	5914	0.32	1040	17920	5734	0.32	1070
84	64	16450	13818	0.84	800	15750	13230	0.84	840	15120	12701	0.84	880	14560	12230	0.84	920
84	68	17150	12348	0.72	840	16450	11844	0.72	890	15960	11491	0.72	910	15400	11088	0.72	950
84	72	17850	10710	0.60	870	17220	10332	0.60	925	16800	10080	0.60	950	16100	9660	0.60	990
84	75	18760	9005	0.48	910	18060	8669	0.48	960	17640	8467	0.48	990	17080	8198	0.48	1040
84	79	19320	6955	0.36	960	18760	6754	0.36	1010	18480	6653	0.36	1040	17920	6451	0.36	1070
86	64	16450	14476	0.88	800	15750	13860	0.88	840	15120	13306	0.88	880	14560	12813	0.88	920
86	68	17150	13034	0.76	840	16450	12502	0.76	890	15960	12130	0.76	910	15400	11704	0.76	950
86	72	17850	11424	0.64	870	17220	11021	0.64	925	16800	10752	0.64	950	16100	10304	0.64	990
86	75	18760	9755	0.52	910	18060	9391	0.52	960	17640	9173	0.52	990	17080	8882	0.52	1040
86	79	19320	7728	0.40	960	18760	7504	0.40	1010	18480	7392	0.40	1040	17920	7168	0.40	1070
88	64	16450	15134	0.92	800	15750	14490	0.92	840	15120	13910	0.92	880	14560	13395	0.92	920
88	68	17150	13720	0.80	840	16450	13160	0.80	890	15960	12768	0.80	910	15400	12320	0.80	950
88	72	17850	12138	0.68	870	17220	11710	0.68	925	16800	11424	0.68	950	16100	10948	0.68	990
88	75	18760	10506	0.56	910	18060	10114	0.56	960	17640	9878	0.56	990	17080	9565	0.56	1040
88	79	19320	8501	0.44	960	18760	8254	0.44	1010	18480	8131	0.44	1040	17920	7885	0.44	1070
90	64	16450	15792	0.96	800	15750	15120	0.96	840	15120	14515	0.96	880	14560	13978	0.96	920
90	68	17150	14406	0.84	840	16450	13818	0.84	890	15960	13406	0.84	910	15400	12936	0.84	950
90	72	17850	12852	0.72	870	17220	12398	0.72	925	16800	12096	0.72	950	16100	11592	0.72	990
90	75	18760	11256	0.60	910	18060	10836	0.60	960	17640	10584	0.60	990	17080	10248	0.60	1040
90	79	19320	9274	0.48	960	18760	9005	0.48	1010	18480	8870	0.48	1040	17920	8602	0.48	1070

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

COOLING CAPACITY

MSZ-FS15NA: MUZ-FS15NA MUZ-FS15NAH

CAPACITY (Btu/h): 14000 INPUT (W): 1000 SHF: 0.7

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	13720	7134	0.52	980	12600	6552	0.52	1040	11620	6042	0.52	1080
70	68	14420	5768	0.40	1020	13440	5376	0.40	1070	12460	4984	0.40	1130
72	64	13720	7683	0.56	980	12600	7056	0.56	1040	11620	6507	0.56	1080
72	68	14420	6345	0.44	1020	13440	5914	0.44	1070	12460	5482	0.44	1130
72	72	15260	4883	0.32	1060	14280	4570	0.32	1120	13300	4256	0.32	1160
73	64	13720	8232	0.60	980	12600	7560	0.60	1040	11620	6972	0.60	1080
73	68	14420	6922	0.48	1020	13440	6451	0.48	1070	12460	5981	0.48	1130
73	72	15260	5494	0.36	1060	14280	5141	0.36	1120	13300	4788	0.36	1160
75	64	13720	8781	0.64	980	12600	8064	0.64	1040	11620	7437	0.64	1080
75	68	14420	7498	0.52	1020	13440	6989	0.52	1070	12460	6479	0.52	1130
75	72	15260	6104	0.40	1060	14280	5712	0.40	1120	13300	5320	0.40	1160
75	75	16100	4508	0.28	1100	15120	4234	0.28	1150	14280	3998	0.28	1200
77	64	13720	9330	0.68	980	12600	8568	0.68	1040	11620	7902	0.68	1080
77	68	14420	8075	0.56	1020	13440	7526	0.56	1070	12460	6978	0.56	1130
77	72	15260	6714	0.44	1060	14280	6283	0.44	1120	13300	5852	0.44	1160
77	75	16100	5152	0.32	1100	15120	4838	0.32	1150	14280	4570	0.32	1200
79	64	13720	9878	0.72	980	12600	9072	0.72	1040	11620	8366	0.72	1080
79	68	14420	8652	0.60	1020	13440	8064	0.60	1070	12460	7476	0.60	1130
79	72	15260	7325	0.48	1060	14280	6854	0.48	1120	13300	6384	0.48	1160
79	75	16100	5796	0.36	1100	15120	5443	0.36	1150	14280	5141	0.36	1200
79	79	16940	4066	0.24	1140	15960	3830	0.24	1190	14980	3595	0.24	1240
81	64	13720	10427	0.76	980	12600	9576	0.76	1040	11620	8831	0.76	1080
81	68	14420	9229	0.64	1020	13440	8602	0.64	1070	12460	7974	0.64	1130
81	72	15260	7935	0.52	1060	14280	7426	0.52	1120	13300	6916	0.52	1160
81	75	16100	6440	0.40	1100	15120	6048	0.40	1150	14280	5712	0.40	1200
81	79	16940	4743	0.28	1140	15960	4469	0.28	1190	14980	4194	0.28	1240
82	64	13720	10976	0.80	980	12600	10080	0.80	1040	11620	9296	0.80	1080
82	68	14420	9806	0.68	1020	13440	9139	0.68	1070	12460	8473	0.68	1130
82	72	15260	8546	0.56	1060	14280	7997	0.56	1120	13300	7448	0.56	1160
82	75	16100	7084	0.44	1100	15120	6653	0.44	1150	14280	6283	0.44	1200
82	79	16940	5421	0.32	1140	15960	5107	0.32	1190	14980	4794	0.32	1240
84	64	13720	11525	0.84	980	12600	10584	0.84	1040	11620	9761	0.84	1080
84	68	14420	10382	0.72	1020	13440	9677	0.72	1070	12460	8971	0.72	1130
84	72	15260	9156	0.60	1060	14280	8568	0.60	1120	13300	7980	0.60	1160
84	75	16100	7728	0.48	1100	15120	7258	0.48	1150	14280	6854	0.48	1200
84	79	16940	6098	0.36	1140	15960	5746	0.36	1190	14980	5393	0.36	1240
86	64	13720	12074	0.88	980	12600	11088	0.88	1040	11620	10226	0.88	1080
86	68	14420	10959	0.76	1020	13440	10214	0.76	1070	12460	9470	0.76	1130
86	72	15260	9766	0.64	1060	14280	9139	0.64	1120	13300	8512	0.64	1160
86	75	16100	8372	0.52	1100	15120	7862	0.52	1150	14280	7426	0.52	1200
86	79	16940	6776	0.40	1140	15960	6384	0.40	1190	14980	5992	0.40	1240
88	64	13720	12622	0.92	980	12600	11592	0.92	1040	11620	10690	0.92	1080
88	68	14420	11536	0.80	1020	13440	10752	0.80	1070	12460	9968	0.80	1130
88	72	15260	10377	0.68	1060	14280	9710	0.68	1120	13300	9044	0.68	1160
88	75	16100	9016	0.56	1100	15120	8467	0.56	1150	14280	7997	0.56	1200
88	79	16940	7454	0.44	1140	15960	7022	0.44	1190	14980	6591	0.44	1240
90	64	13720	13171	0.96	980	12600	12096	0.96	1040	11620	11155	0.96	1080
90	68	14420	12113	0.84	1020	13440	11290	0.84	1070	12460	10466	0.84	1130
90	72	15260	10987	0.72	1060	14280	10282	0.72	1120	13300	9576	0.72	1160
90	75	16100	9660	0.60	1100	15120	9072	0.60	1150	14280	8568	0.60	1200
90	79	16940	8131	0.48	1140	15960	7661	0.48	1190	14980	7190	0.48	1240

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

COOLING CAPACITY

MSZ-FS18NA: MUZ-FS18NA, MUZ-FS18NAH

CAPACITY (Btu/h): 17200 INPUT (W): 1375 SHF: 0.69

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	20210	10307	0.51	1100	19350	9869	0.51	1155	18576	9474	0.51	1210	17888	9123	0.51	1265
70	68	21070	8217	0.39	1155	20210	7882	0.39	1224	19608	7647	0.39	1251	18920	7379	0.39	1306
72	64	20210	11116	0.55	1100	19350	10643	0.55	1155	18576	10217	0.55	1210	17888	9838	0.55	1265
72	68	21070	9060	0.43	1155	20210	8690	0.43	1224	19608	8431	0.43	1251	18920	8136	0.43	1306
72	72	21930	6798	0.31	1196	21156	6558	0.31	1272	20640	6398	0.31	1306	19780	6132	0.31	1361
73	64	20210	11924	0.59	1100	19350	11417	0.59	1155	18576	10960	0.59	1210	17888	10554	0.59	1265
73	68	21070	9903	0.47	1155	20210	9499	0.47	1224	19608	9216	0.47	1251	18920	8892	0.47	1306
73	72	21930	7676	0.35	1196	21156	7405	0.35	1272	20640	7224	0.35	1306	19780	6923	0.35	1361
75	64	20210	12732	0.63	1100	19350	12191	0.63	1155	18576	11703	0.63	1210	17888	11269	0.63	1265
75	68	21070	10746	0.51	1155	20210	10307	0.51	1224	19608	10000	0.51	1251	18920	9649	0.51	1306
75	72	21930	8553	0.39	1196	21156	8251	0.39	1272	20640	8050	0.39	1306	19780	7714	0.39	1361
75	75	23048	6223	0.27	1251	22188	5991	0.27	1320	21672	5851	0.27	1361	20984	5666	0.27	1430
77	64	20210	13541	0.67	1100	19350	12965	0.67	1155	18576	12446	0.67	1210	17888	11985	0.67	1265
77	68	21070	11589	0.55	1155	20210	11116	0.55	1224	19608	10784	0.55	1251	18920	10406	0.55	1306
77	72	21930	9430	0.43	1196	21156	9097	0.43	1272	20640	8875	0.43	1306	19780	8505	0.43	1361
77	75	23048	7145	0.31	1251	22188	6878	0.31	1320	21672	6718	0.31	1361	20984	6505	0.31	1430
79	64	20210	14349	0.71	1100	19350	13739	0.71	1155	18576	13189	0.71	1210	17888	12700	0.71	1265
79	68	21070	12431	0.59	1155	20210	11924	0.59	1224	19608	11569	0.59	1251	18920	11163	0.59	1306
79	72	21930	10307	0.47	1196	21156	9943	0.47	1272	20640	9701	0.47	1306	19780	9297	0.47	1361
79	75	23048	8067	0.35	1251	22188	7766	0.35	1320	21672	7585	0.35	1361	20984	7344	0.35	1430
79	79	23736	5459	0.23	1320	23048	5301	0.23	1389	22704	5222	0.23	1430	22016	5064	0.23	1471
81	64	20210	15158	0.75	1100	19350	14513	0.75	1155	18576	13932	0.75	1210	17888	13416	0.75	1265
81	68	21070	13274	0.63	1155	20210	12732	0.63	1224	19608	12353	0.63	1251	18920	11920	0.63	1306
81	72	21930	11184	0.51	1196	21156	10790	0.51	1272	20640	10526	0.51	1306	19780	10088	0.51	1361
81	75	23048	8989	0.39	1251	22188	8653	0.39	1320	21672	8452	0.39	1361	20984	8184	0.39	1430
81	79	23736	6409	0.27	1320	23048	6223	0.27	1389	22704	6130	0.27	1430	22016	5944	0.27	1471
82	64	20210	15966	0.79	1100	19350	15287	0.79	1155	18576	14675	0.79	1210	17888	14132	0.79	1265
82	68	21070	14117	0.67	1155	20210	13541	0.67	1224	19608	13137	0.67	1251	18920	12676	0.67	1306
82	72	21930	12062	0.55	1196	21156	11636	0.55	1272	20640	11352	0.55	1306	19780	10879	0.55	1361
82	75	23048	9911	0.43	1251	22188	9541	0.43	1320	21672	9319	0.43	1361	20984	9023	0.43	1430
82	79	23736	7358	0.31	1320	23048	7145	0.31	1389	22704	7038	0.31	1430	22016	6825	0.31	1471
84	64	20210	16774	0.83	1100	19350	16061	0.83	1155	18576	15418	0.83	1210	17888	14847	0.83	1265
84	68	21070	14960	0.71	1155	20210	14349	0.71	1224	19608	13922	0.71	1251	18920	13433	0.71	1306
84	72	21930	12939	0.59	1196	21156	12482	0.59	1272	20640	12178	0.59	1306	19780	11670	0.59	1361
84	75	23048	10833	0.47	1251	22188	10428	0.47	1320	21672	10186	0.47	1361	20984	9862	0.47	1430
84	79	23736	8308	0.35	1320	23048	8067	0.35	1389	22704	7946	0.35	1430	22016	7706	0.35	1471
86	64	20210	17583	0.87	1100	19350	16835	0.87	1155	18576	16161	0.87	1210	17888	15563	0.87	1265
86	68	21070	15803	0.75	1155	20210	15158	0.75	1224	19608	14706	0.75	1251	18920	14190	0.75	1306
86	72	21930	13816	0.63	1196	21156	13328	0.63	1272	20640	13003	0.63	1306	19780	12461	0.63	1361
86	75	23048	11754	0.51	1251	22188	11316	0.51	1320	21672	11053	0.51	1361	20984	10702	0.51	1430
86	79	23736	9257	0.39	1320	23048	8989	0.39	1389	22704	8855	0.39	1430	22016	8586	0.39	1471
88	64	20210	18391	0.91	1100	19350	17609	0.91	1155	18576	16904	0.91	1210	17888	16278	0.91	1265
88	68	21070	16645	0.79	1155	20210	15966	0.79	1224	19608	15490	0.79	1251	18920	14947	0.79	1306
88	72	21930	14693	0.67	1196	21156	14175	0.67	1272	20640	13829	0.67	1306	19780	13253	0.67	1361
88	75	23048	12676	0.55	1251	22188	12203	0.55	1320	21672	11920	0.55	1361	20984	11541	0.55	1430
88	79	23736	10206	0.43	1320	23048	9911	0.43	1389	22704	9763	0.43	1430	22016	9467	0.43	1471
90	64	20210	19200	0.95	1100	19350	18383	0.95	1155	18576	17647	0.95	1210	17888	16994	0.95	1265
90	68	21070	17488	0.83	1155	20210	16774	0.83	1224	19608	16275	0.83	1251	18920	15704	0.83	1306
90	72	21930	15570	0.71	1196	21156	15021	0.71	1272	20640	14654	0.71	1306	19780	14044	0.71	1361
90	75	23048	13598	0.59	1251	22188	13091	0.59	1320	21672	12786	0.59	1361	20984	12381	0.59	1430
90	79	23736	11156	0.47	1320	23048	10833	0.47	1389	22704	10671	0.47	1430	22016	10348	0.47	1471

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

COOLING CAPACITY

MSZ-FS18NA: MUZ-FS18NA, MUZ-FS18NAH

CAPACITY (Btu/h): 17200 INPUT (W): 1375 SHF: 0.69

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	16856	8597	0.51	1348	15480	7895	0.51	1430	14276	7281	0.51	1485
70	68	17716	6909	0.39	1403	16512	6440	0.39	1471	15308	5970	0.39	1554
72	64	16856	9271	0.55	1348	15480	8514	0.55	1430	14276	7852	0.55	1485
72	68	17716	7618	0.43	1403	16512	7100	0.43	1471	15308	6582	0.43	1554
72	72	18748	5812	0.31	1458	17544	5439	0.31	1540	16340	5065	0.31	1595
73	64	16856	9945	0.59	1348	15480	9133	0.59	1430	14276	8423	0.59	1485
73	68	17716	8327	0.47	1403	16512	7761	0.47	1471	15308	7195	0.47	1554
73	72	18748	6562	0.35	1458	17544	6140	0.35	1540	16340	5719	0.35	1595
75	64	16856	10619	0.63	1348	15480	9752	0.63	1430	14276	8994	0.63	1485
75	68	17716	9035	0.51	1403	16512	8421	0.51	1471	15308	7807	0.51	1554
75	72	18748	7312	0.39	1458	17544	6842	0.39	1540	16340	6373	0.39	1595
75	75	19780	5341	0.27	1513	18576	5016	0.27	1581	17544	4737	0.27	1650
77	64	16856	11294	0.67	1348	15480	10372	0.67	1430	14276	9565	0.67	1485
77	68	17716	9744	0.55	1403	16512	9082	0.55	1471	15308	8419	0.55	1554
77	72	18748	8062	0.43	1458	17544	7544	0.43	1540	16340	7026	0.43	1595
77	75	19780	6132	0.31	1513	18576	5759	0.31	1581	17544	5439	0.31	1650
79	64	16856	11968	0.71	1348	15480	10991	0.71	1430	14276	10136	0.71	1485
79	68	17716	10452	0.59	1403	16512	9742	0.59	1471	15308	9032	0.59	1554
79	72	18748	8812	0.47	1458	17544	8246	0.47	1540	16340	7680	0.47	1595
79	75	19780	6923	0.35	1513	18576	6502	0.35	1581	17544	6140	0.35	1650
79	79	20812	4787	0.23	1568	19608	4510	0.23	1636	18404	4233	0.23	1705
81	64	16856	12642	0.75	1348	15480	11610	0.75	1430	14276	10707	0.75	1485
81	68	17716	11161	0.63	1403	16512	10403	0.63	1471	15308	9644	0.63	1554
81	72	18748	9561	0.51	1458	17544	8947	0.51	1540	16340	8333	0.51	1595
81	75	19780	7714	0.39	1513	18576	7245	0.39	1581	17544	6842	0.39	1650
81	79	20812	5619	0.27	1568	19608	5294	0.27	1636	18404	4969	0.27	1705
82	64	16856	13316	0.79	1348	15480	12229	0.79	1430	14276	11278	0.79	1485
82	68	17716	11870	0.67	1403	16512	11063	0.67	1471	15308	10256	0.67	1554
82	72	18748	10311	0.55	1458	17544	9649	0.55	1540	16340	8987	0.55	1595
82	75	19780	8505	0.43	1513	18576	7988	0.43	1581	17544	7544	0.43	1650
82	79	20812	6452	0.31	1568	19608	6078	0.31	1636	18404	5705	0.31	1705
84	64	16856	13990	0.83	1348	15480	12848	0.83	1430	14276	11849	0.83	1485
84	68	17716	12578	0.71	1403	16512	11724	0.71	1471	15308	10869	0.71	1554
84	72	18748	11061	0.59	1458	17544	10351	0.59	1540	16340	9641	0.59	1595
84	75	19780	9297	0.47	1513	18576	8731	0.47	1581	17544	8246	0.47	1650
84	79	20812	7284	0.35	1568	19608	6863	0.35	1636	18404	6441	0.35	1705
86	64	16856	14665	0.87	1348	15480	13468	0.87	1430	14276	12420	0.87	1485
86	68	17716	13287	0.75	1403	16512	12384	0.75	1471	15308	11481	0.75	1554
86	72	18748	11811	0.63	1458	17544	11053	0.63	1540	16340	10294	0.63	1595
86	75	19780	10088	0.51	1513	18576	9474	0.51	1581	17544	8947	0.51	1650
86	79	20812	8117	0.39	1568	19608	7647	0.39	1636	18404	7178	0.39	1705
88	64	16856	15339	0.91	1348	15480	14087	0.91	1430	14276	12991	0.91	1485
88	68	17716	13996	0.79	1403	16512	13044	0.79	1471	15308	12093	0.79	1554
88	72	18748	12561	0.67	1458	17544	11754	0.67	1540	16340	10948	0.67	1595
88	75	19780	10879	0.55	1513	18576	10217	0.55	1581	17544	9649	0.55	1650
88	79	20812	8949	0.43	1568	19608	8431	0.43	1636	18404	7914	0.43	1705
90	64	16856	16013	0.95	1348	15480	14706	0.95	1430	14276	13562	0.95	1485
90	68	17716	14704	0.83	1403	16512	13705	0.83	1471	15308	12706	0.83	1554
90	72	18748	13311	0.71	1458	17544	12456	0.71	1540	16340	11601	0.71	1595
90	75	19780	11670	0.59	1513	18576	10960	0.59	1581	17544	10351	0.59	1650
90	79	20812	9782	0.47	1568	19608	9216	0.47	1636	18404	8650	0.47	1705

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

COOLING CAPACITY

MSZ-GL09NA MSY-GL09NA: MUZ-GL09NA MUZ-GL09NAH MUY-GL09NA

CAPACITY (Btu/h): 9000 INPUT (W): 585 SHF: 0.82

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	10575	6768	0.64	468	10125	6480	0.64	491	9720	6221	0.64	515	9360	5990	0.64	538
70	68	11025	5733	0.52	491	10575	5499	0.52	521	10260	5335	0.52	532	9900	5148	0.52	556
72	64	10575	7191	0.68	468	10125	6885	0.68	491	9720	6610	0.68	515	9360	6365	0.68	538
72	68	11025	6174	0.56	491	10575	5922	0.56	521	10260	5746	0.56	532	9900	5544	0.56	556
72	72	11475	5049	0.44	509	11070	4871	0.44	541	10800	4752	0.44	556	10350	4554	0.44	579
73	64	10575	7614	0.72	468	10125	7290	0.72	491	9720	6998	0.72	515	9360	6739	0.72	538
73	68	11025	6615	0.60	491	10575	6345	0.60	521	10260	6156	0.60	532	9900	5940	0.60	556
73	72	11475	5508	0.48	509	11070	5314	0.48	541	10800	5184	0.48	556	10350	4968	0.48	579
75	64	10575	8037	0.76	468	10125	7695	0.76	491	9720	7387	0.76	515	9360	7114	0.76	538
75	68	11025	7056	0.64	491	10575	6768	0.64	521	10260	6566	0.64	532	9900	6336	0.64	556
75	72	11475	5967	0.52	509	11070	5756	0.52	541	10800	5616	0.52	556	10350	5382	0.52	579
75	75	12060	4824	0.40	532	11610	4644	0.40	562	11340	4536	0.40	579	10980	4392	0.40	608
77	64	10575	8460	0.80	468	10125	8100	0.80	491	9720	7776	0.80	515	9360	7488	0.80	538
77	68	11025	7497	0.68	491	10575	7191	0.68	521	10260	6977	0.68	532	9900	6732	0.68	556
77	72	11475	6426	0.56	509	11070	6199	0.56	541	10800	6048	0.56	556	10350	5796	0.56	579
77	75	12060	5306	0.44	532	11610	5108	0.44	562	11340	4990	0.44	579	10980	4831	0.44	608
79	64	10575	8883	0.84	468	10125	8505	0.84	491	9720	8165	0.84	515	9360	7862	0.84	538
79	68	11025	7938	0.72	491	10575	7614	0.72	521	10260	7387	0.72	532	9900	7128	0.72	556
79	72	11475	6885	0.60	509	11070	6642	0.60	541	10800	6480	0.60	556	10350	6210	0.60	579
79	75	12060	5789	0.48	532	11610	5573	0.48	562	11340	5443	0.48	579	10980	5270	0.48	608
79	79	12420	4471	0.36	562	12060	4342	0.36	591	11880	4277	0.36	608	11520	4147	0.36	626
81	64	10575	9306	0.88	468	10125	8910	0.88	491	9720	8554	0.88	515	9360	8237	0.88	538
81	68	11025	8379	0.76	491	10575	8037	0.76	521	10260	7798	0.76	532	9900	7524	0.76	556
81	72	11475	7344	0.64	509	11070	7085	0.64	541	10800	6912	0.64	556	10350	6624	0.64	579
81	75	12060	6271	0.52	532	11610	6037	0.52	562	11340	5897	0.52	579	10980	5710	0.52	608
81	79	12420	4968	0.40	562	12060	4824	0.40	591	11880	4752	0.40	608	11520	4608	0.40	626
82	64	10575	9729	0.92	468	10125	9315	0.92	491	9720	8942	0.92	515	9360	8611	0.92	538
82	68	11025	8820	0.80	491	10575	8460	0.80	521	10260	8208	0.80	532	9900	7920	0.80	556
82	72	11475	7803	0.68	509	11070	7528	0.68	541	10800	7344	0.68	556	10350	7038	0.68	579
82	75	12060	6754	0.56	532	11610	6502	0.56	562	11340	6350	0.56	579	10980	6149	0.56	608
82	79	12420	5465	0.44	562	12060	5306	0.44	591	11880	5227	0.44	608	11520	5069	0.44	626
84	64	10575	10152	0.96	468	10125	9720	0.96	491	9720	9331	0.96	515	9360	8986	0.96	538
84	68	11025	9261	0.84	491	10575	8883	0.84	521	10260	8618	0.84	532	9900	8316	0.84	556
84	72	11475	8262	0.72	509	11070	7970	0.72	541	10800	7776	0.72	556	10350	7452	0.72	579
84	75	12060	7236	0.60	532	11610	6966	0.60	562	11340	6804	0.60	579	10980	6588	0.60	608
84	79	12420	5962	0.48	562	12060	5789	0.48	591	11880	5702	0.48	608	11520	5530	0.48	626
86	64	10575	10575	1.00	468	10125	10125	1.00	491	9720	9720	1.00	515	9360	9360	1.00	538
86	68	11025	9702	0.88	491	10575	9306	0.88	521	10260	9029	0.88	532	9900	8712	0.88	556
86	72	11475	8721	0.76	509	11070	8413	0.76	541	10800	8208	0.76	556	10350	7866	0.76	579
86	75	12060	7718	0.64	532	11610	7430	0.64	562	11340	7258	0.64	579	10980	7027	0.64	608
86	79	12420	6458	0.52	562	12060	6271	0.52	591	11880	6178	0.52	608	11520	5990	0.52	626
88	64	10575	10575	1.00	468	10125	10125	1.00	491	9720	9720	1.00	515	9360	9360	1.00	538
88	68	11025	10143	0.92	491	10575	9729	0.92	521	10260	9439	0.92	532	9900	9108	0.92	556
88	72	11475	9180	0.80	509	11070	8856	0.80	541	10800	8640	0.80	556	10350	8280	0.80	579
88	75	12060	8201	0.68	532	11610	7895	0.68	562	11340	7711	0.68	579	10980	7466	0.68	608
88	79	12420	6955	0.56	562	12060	6754	0.56	591	11880	6653	0.56	608	11520	6451	0.56	626
90	64	10575	10575	1.00	468	10125	10125	1.00	491	9720	9720	1.00	515	9360	9360	1.00	538
90	68	11025	10584	0.96	491	10575	10152	0.96	521	10260	9850	0.96	532	9900	9504	0.96	556
90	72	11475	9639	0.84	509	11070	9299	0.84	541	10800	9072	0.84	556	10350	8694	0.84	579
90	75	12060	8683	0.72	532	11610	8359	0.72	562	11340	8165	0.72	579	10980	7906	0.72	608
90	79	12420	7452	0.60	562	12060	7236	0.60	591	11880	7128	0.60	608	11520	6912	0.60	626

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

COOLING CAPACITY

MSZ-GL09NA MSY-GL09NA: MUZ-GL09NA MUZ-GL09NAH MUY-GL09NA

CAPACITY (Btu/h): 9000 INPUT (W): 585 SHF: 0.82

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	8820	5645	0.64	573	8100	5184	0.64	608	7470	4781	0.64	632
70	68	9270	4820	0.52	597	8640	4493	0.52	626	8010	4165	0.52	661
72	64	8820	5998	0.68	573	8100	5508	0.68	608	7470	5080	0.68	632
72	68	9270	5191	0.56	597	8640	4838	0.56	626	8010	4486	0.56	661
72	72	9810	4316	0.44	620	9180	4039	0.44	655	8550	3762	0.44	679
73	64	8820	6350	0.72	573	8100	5832	0.72	608	7470	5378	0.72	632
73	68	9270	5562	0.60	597	8640	5184	0.60	626	8010	4806	0.60	661
73	72	9810	4709	0.48	620	9180	4406	0.48	655	8550	4104	0.48	679
75	64	8820	6703	0.76	573	8100	6156	0.76	608	7470	5677	0.76	632
75	68	9270	5933	0.64	597	8640	5530	0.64	626	8010	5126	0.64	661
75	72	9810	5101	0.52	620	9180	4774	0.52	655	8550	4446	0.52	679
75	75	10350	4140	0.40	644	9720	3888	0.40	673	9180	3672	0.40	702
77	64	8820	7056	0.80	573	8100	6480	0.80	608	7470	5976	0.8	632
77	68	9270	6304	0.68	597	8640	5875	0.68	626	8010	5447	0.68	661
77	72	9810	5494	0.56	620	9180	5141	0.56	655	8550	4788	0.56	679
77	75	10350	4554	0.44	644	9720	4277	0.44	673	9180	4039	0.44	702
79	64	8820	7409	0.84	573	8100	6804	0.84	608	7470	6275	0.84	632
79	68	9270	6674	0.72	597	8640	6221	0.72	626	8010	5767	0.72	661
79	72	9810	5886	0.60	620	9180	5508	0.60	655	8550	5130	0.60	679
79	75	10350	4968	0.48	644	9720	4666	0.48	673	9180	4406	0.48	702
79	79	10890	3920	0.36	667	10260	3694	0.36	696	9630	3467	0.36	725
81	64	8820	7762	0.88	573	8100	7128	0.88	608	7470	6574	0.88	632
81	68	9270	7045	0.76	597	8640	6566	0.76	626	8010	6088	0.76	661
81	72	9810	6278	0.64	620	9180	5875	0.64	655	8550	5472	0.64	679
81	75	10350	5382	0.52	644	9720	5054	0.52	673	9180	4774	0.52	702
81	79	10890	4356	0.40	667	10260	4104	0.40	696	9630	3852	0.40	725
82	64	8820	8114	0.92	573	8100	7452	0.92	608	7470	6872	0.92	632
82	68	9270	7416	0.80	597	8640	6912	0.80	626	8010	6408	0.80	661
82	72	9810	6671	0.68	620	9180	6242	0.68	655	8550	5814	0.68	679
82	75	10350	5796	0.56	644	9720	5443	0.56	673	9180	5141	0.56	702
82	79	10890	4792	0.44	667	10260	4514	0.44	696	9630	4237	0.44	725
84	64	8820	8467	0.96	573	8100	7776	0.96	608	7470	7171	0.96	632
84	68	9270	7787	0.84	597	8640	7258	0.84	626	8010	6728	0.84	661
84	72	9810	7063	0.72	620	9180	6610	0.72	655	8550	6156	0.72	679
84	75	10350	6210	0.60	644	9720	5832	0.60	673	9180	5508	0.60	702
84	79	10890	5227	0.48	667	10260	4925	0.48	696	9630	4622	0.48	725
86	64	8820	8820	1.00	573	8100	8100	1.00	608	7470	7470	1.00	632
86	68	9270	8158	0.88	597	8640	7603	0.88	626	8010	7049	0.88	661
86	72	9810	7456	0.76	620	9180	6977	0.76	655	8550	6498	0.76	679
86	75	10350	6624	0.64	644	9720	6221	0.64	673	9180	5875	0.64	702
86	79	10890	5663	0.52	667	10260	5335	0.52	696	9630	5008	0.52	725
88	64	8820	8820	1.00	573	8100	8100	1.00	608	7470	7470	1.00	632
88	68	9270	8528	0.92	597	8640	7949	0.92	626	8010	7369	0.92	661
88	72	9810	7848	0.80	620	9180	7344	0.80	655	8550	6840	0.80	679
88	75	10350	7038	0.68	644	9720	6610	0.68	673	9180	6242	0.68	702
88	79	10890	6098	0.56	667	10260	5746	0.56	696	9630	5393	0.56	725
90	64	8820	8820	1.00	573	8100	8100	1.00	608	7470	7470	1.00	632
90	68	9270	8899	0.96	597	8640	8294	0.96	626	8010	7690	0.96	661
90	72	9810	8240	0.84	620	9180	7711	0.84	655	8550	7182	0.84	679
90	75	10350	7452	0.72	644	9720	6998	0.72	673	9180	6610	0.72	702
90	79	10890	6534	0.60	667	10260	6156	0.60	696	9630	5778	0.60	725

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

COOLING CAPACITY

MSZ-GL12NA MSY-GL12NA: MUZ-GL12NA MUZ-GL12NAH MUY-GL12NA

CAPACITY (Btu/h): 12000 INPUT (W): 920 SHF: 0.77

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	14100	8319	0.59	736	13500	7965	0.59	773	12960	7646	0.59	810	12480	7363	0.59	846
70	68	14700	6909	0.47	773	14100	6627	0.47	819	13680	6430	0.47	837	13200	6204	0.47	874
72	64	14100	8883	0.63	736	13500	8505	0.63	773	12960	8165	0.63	810	12480	7862	0.63	846
72	68	14700	7497	0.51	773	14100	7191	0.51	819	13680	6977	0.51	837	13200	6732	0.51	874
72	72	15300	5967	0.39	800	14760	5756	0.39	851	14400	5616	0.39	874	13800	5382	0.39	911
73	64	14100	9447	0.67	736	13500	9045	0.67	773	12960	8683	0.67	810	12480	8362	0.67	846
73	68	14700	8085	0.55	773	14100	7755	0.55	819	13680	7524	0.55	837	13200	7260	0.55	874
73	72	15300	6579	0.43	800	14760	6347	0.43	851	14400	6192	0.43	874	13800	5934	0.43	911
75	64	14100	10011	0.71	736	13500	9585	0.71	773	12960	9202	0.71	810	12480	8861	0.71	846
75	68	14700	8673	0.59	773	14100	8319	0.59	819	13680	8071	0.59	837	13200	7788	0.59	874
75	72	15300	7191	0.47	800	14760	6937	0.47	851	14400	6768	0.47	874	13800	6486	0.47	911
75	75	16080	5628	0.35	837	15480	5418	0.35	883	15120	5292	0.35	911	14640	5124	0.35	957
77	64	14100	10575	0.75	736	13500	10125	0.75	773	12960	9720	0.75	810	12480	9360	0.75	846
77	68	14700	9261	0.63	773	14100	8883	0.63	819	13680	8618	0.63	837	13200	8316	0.63	874
77	72	15300	7803	0.51	800	14760	7528	0.51	851	14400	7344	0.51	874	13800	7038	0.51	911
77	75	16080	6271	0.39	837	15480	6037	0.39	883	15120	5897	0.39	911	14640	5710	0.39	957
79	64	14100	11139	0.79	736	13500	10665	0.79	773	12960	10238	0.79	810	12480	9859	0.79	846
79	68	14700	9849	0.67	773	14100	9447	0.67	819	13680	9166	0.67	837	13200	8844	0.67	874
79	72	15300	8415	0.55	800	14760	8118	0.55	851	14400	7920	0.55	874	13800	7590	0.55	911
79	75	16080	6914	0.43	837	15480	6656	0.43	883	15120	6502	0.43	911	14640	6295	0.43	957
79	79	16560	5134	0.31	883	16080	4985	0.31	929	15840	4910	0.31	957	15360	4762	0.31	984
81	64	14100	11703	0.83	736	13500	11205	0.83	773	12960	10757	0.83	810	12480	10358	0.83	846
81	68	14700	10437	0.71	773	14100	10011	0.71	819	13680	9713	0.71	837	13200	9372	0.71	874
81	72	15300	9027	0.59	800	14760	8708	0.59	851	14400	8496	0.59	874	13800	8142	0.59	911
81	75	16080	7558	0.47	837	15480	7276	0.47	883	15120	7106	0.47	911	14640	6881	0.47	957
81	79	16560	5796	0.35	883	16080	5628	0.35	929	15840	5544	0.35	957	15360	5376	0.35	984
82	64	14100	12267	0.87	736	13500	11745	0.87	773	12960	11275	0.87	810	12480	10858	0.87	846
82	68	14700	11025	0.75	773	14100	10575	0.75	819	13680	10260	0.75	837	13200	9900	0.75	874
82	72	15300	9639	0.63	800	14760	9299	0.63	851	14400	9072	0.63	874	13800	8694	0.63	911
82	75	16080	8201	0.51	837	15480	7895	0.51	883	15120	7711	0.51	911	14640	7466	0.51	957
82	79	16560	6458	0.39	883	16080	6271	0.39	929	15840	6178	0.39	957	15360	5990	0.39	984
84	64	14100	12831	0.91	736	13500	12285	0.91	773	12960	11794	0.91	810	12480	11357	0.91	846
84	68	14700	11613	0.79	773	14100	11139	0.79	819	13680	10807	0.79	837	13200	10428	0.79	874
84	72	15300	10251	0.67	800	14760	9889	0.67	851	14400	9648	0.67	874	13800	9246	0.67	911
84	75	16080	8844	0.55	837	15480	8514	0.55	883	15120	8316	0.55	911	14640	8052	0.55	957
84	79	16560	7121	0.43	883	16080	6914	0.43	929	15840	6811	0.43	957	15360	6605	0.43	984
86	64	14100	13395	0.95	736	13500	12825	0.95	773	12960	12312	0.95	810	12480	11856	0.95	846
86	68	14700	12201	0.83	773	14100	11703	0.83	819	13680	11354	0.83	837	13200	10956	0.83	874
86	72	15300	10863	0.71	800	14760	10480	0.71	851	14400	10224	0.71	874	13800	9798	0.71	911
86	75	16080	9487	0.59	837	15480	9133	0.59	883	15120	8921	0.59	911	14640	8638	0.59	957
86	79	16560	7783	0.47	883	16080	7558	0.47	929	15840	7445	0.47	957	15360	7219	0.47	984
88	64	14100	13959	0.99	736	13500	13365	0.99	773	12960	12830	0.99	810	12480	12355	0.99	846
88	68	14700	12789	0.87	773	14100	12267	0.87	819	13680	11902	0.87	837	13200	11484	0.87	874
88	72	15300	11475	0.75	800	14760	11070	0.75	851	14400	10800	0.75	874	13800	10350	0.75	911
88	75	16080	10130	0.63	837	15480	9752	0.63	883	15120	9526	0.63	911	14640	9223	0.63	957
88	79	16560	8446	0.51	883	16080	8201	0.51	929	15840	8078	0.51	957	15360	7834	0.51	984
90	64	14100	14100	1.00	736	13500	13500	1.00	773	12960	12960	1.00	810	12480	12480	1.00	846
90	68	14700	13377	0.91	773	14100	12831	0.91	819	13680	12449	0.91	837	13200	12012	0.91	874
90	72	15300	12087	0.79	800	14760	11660	0.79	851	14400	11376	0.79	874	13800	10902	0.79	911
90	75	16080	10774	0.67	837	15480	10372	0.67	883	15120	10130	0.67	911	14640	9809	0.67	957
90	79	16560	9108	0.55	883	16080	8844	0.55	929	15840	8712	0.55	957	15360	8448	0.55	984

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

COOLING CAPACITY

MSZ-GL12NA MSY-GL12NA: MUZ-GL12NA MUZ-GL12NAH MUY-GL12NA

CAPACITY (Btu/h): 12000 INPUT (W): 920 SHF: 0.77

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	11760	6938	0.59	902	10800	6372	0.59	957	9960	5876	0.59	994
70	68	12360	5809	0.47	938	11520	5414	0.47	984	10680	5020	0.47	1040
72	64	11760	7409	0.63	902	10800	6804	0.63	957	9960	6275	0.63	994
72	68	12360	6304	0.51	938	11520	5875	0.51	984	10680	5447	0.51	1040
72	72	13080	5101	0.39	975	12240	4774	0.39	1030	11400	4446	0.39	1067
73	64	11760	7879	0.67	902	10800	7236	0.67	957	9960	6673	0.67	994
73	68	12360	6798	0.55	938	11520	6336	0.55	984	10680	5874	0.55	1040
73	72	13080	5624	0.43	975	12240	5263	0.43	1030	11400	4902	0.43	1067
75	64	11760	8350	0.71	902	10800	7668	0.71	957	9960	7072	0.71	994
75	68	12360	7292	0.59	938	11520	6797	0.59	984	10680	6301	0.59	1040
75	72	13080	6148	0.47	975	12240	5753	0.47	1030	11400	5358	0.47	1067
75	75	13800	4830	0.35	1012	12960	4536	0.35	1058	12240	4284	0.35	1104
77	64	11760	8820	0.75	902	10800	8100	0.75	957	9960	7470	0.75	994
77	68	12360	7787	0.63	938	11520	7258	0.63	984	10680	6728	0.63	1040
77	72	13080	6671	0.51	975	12240	6242	0.51	1030	11400	5814	0.51	1067
77	75	13800	5382	0.39	1012	12960	5054	0.39	1058	12240	4774	0.39	1104
79	64	11760	9290	0.79	902	10800	8532	0.79	957	9960	7868	0.79	994
79	68	12360	8281	0.67	938	11520	7718	0.67	984	10680	7156	0.67	1040
79	72	13080	7194	0.55	975	12240	6732	0.55	1030	11400	6270	0.55	1067
79	75	13800	5934	0.43	1012	12960	5573	0.43	1058	12240	5263	0.43	1104
79	79	14520	4501	0.31	1049	13680	4241	0.31	1095	12840	3980	0.31	1141
81	64	11760	9761	0.83	902	10800	8964	0.83	957	9960	8267	0.83	994
81	68	12360	8776	0.71	938	11520	8179	0.71	984	10680	7583	0.71	1040
81	72	13080	7717	0.59	975	12240	7222	0.59	1030	11400	6726	0.59	1067
81	75	13800	6486	0.47	1012	12960	6091	0.47	1058	12240	5753	0.47	1104
81	79	14520	5082	0.35	1049	13680	4788	0.35	1095	12840	4494	0.35	1141
82	64	11760	10231	0.87	902	10800	9396	0.87	957	9960	8665	0.87	994
82	68	12360	9270	0.75	938	11520	8640	0.75	984	10680	8010	0.75	1040
82	72	13080	8240	0.63	975	12240	7711	0.63	1030	11400	7182	0.63	1067
82	75	13800	7038	0.51	1012	12960	6610	0.51	1058	12240	6242	0.51	1104
82	79	14520	5663	0.39	1049	13680	5335	0.39	1095	12840	5008	0.39	1141
84	64	11760	10702	0.91	902	10800	9828	0.91	957	9960	9064	0.91	994
84	68	12360	9764	0.79	938	11520	9101	0.79	984	10680	8437	0.79	1040
84	72	13080	8764	0.67	975	12240	8201	0.67	1030	11400	7638	0.67	1067
84	75	13800	7590	0.55	1012	12960	7128	0.55	1058	12240	6732	0.55	1104
84	79	14520	6244	0.43	1049	13680	5882	0.43	1095	12840	5521	0.43	1141
86	64	11760	11172	0.95	902	10800	10260	0.95	957	9960	9462	0.95	994
86	68	12360	10259	0.83	938	11520	9562	0.83	984	10680	8864	0.83	1040
86	72	13080	9287	0.71	975	12240	8690	0.71	1030	11400	8094	0.71	1067
86	75	13800	8142	0.59	1012	12960	7646	0.59	1058	12240	7222	0.59	1104
86	79	14520	6824	0.47	1049	13680	6430	0.47	1095	12840	6035	0.47	1141
88	64	11760	11642	0.99	902	10800	10692	0.99	957	9960	9860	0.99	994
88	68	12360	10753	0.87	938	11520	10022	0.87	984	10680	9292	0.87	1040
88	72	13080	9810	0.75	975	12240	9180	0.75	1030	11400	8550	0.75	1067
88	75	13800	8694	0.63	1012	12960	8165	0.63	1058	12240	7711	0.63	1104
88	79	14520	7405	0.51	1049	13680	6977	0.51	1095	12840	6548	0.51	1141
90	64	11760	11760	1.00	902	10800	10800	1.00	957	9960	9960	1.00	994
90	68	12360	11248	0.91	938	11520	10483	0.91	984	10680	9719	0.91	1040
90	72	13080	10333	0.79	975	12240	9670	0.79	1030	11400	9006	0.79	1067
90	75	13800	9246	0.67	1012	12960	8683	0.67	1058	12240	8201	0.67	1104
90	79	14520	7986	0.55	1049	13680	7524	0.55	1095	12840	7062	0.55	1141

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

COOLING CAPACITY

MSZ-GL15NA MSY-GL15NA: MUZ-GL15NA MUZ-GL15NAH MUY-GL15NA

CAPACITY (Btu/h): 14000 INPUT (W): 1080 SHF: 0.78

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	16450	9870	0.60	864	15750	9450	0.60	907	15120	9072	0.60	950	14560	8736	0.60	994
70	68	17150	8232	0.48	907	16450	7896	0.48	961	15960	7661	0.48	983	15400	7392	0.48	1026
72	64	16450	10528	0.64	864	15750	10080	0.64	907	15120	9677	0.64	950	14560	9318	0.64	994
72	68	17150	8918	0.52	907	16450	8554	0.52	961	15960	8299	0.52	983	15400	8008	0.52	1026
72	72	17850	7140	0.40	940	17220	6888	0.40	999	16800	6720	0.40	1026	16100	6440	0.40	1069
73	64	16450	11186	0.68	864	15750	10710	0.68	907	15120	10282	0.68	950	14560	9901	0.68	994
73	68	17150	9604	0.56	907	16450	9212	0.56	961	15960	8938	0.56	983	15400	8624	0.56	1026
73	72	17850	7854	0.44	940	17220	7577	0.44	999	16800	7392	0.44	1026	16100	7084	0.44	1069
75	64	16450	11844	0.72	864	15750	11340	0.72	907	15120	10886	0.72	950	14560	10483	0.72	994
75	68	17150	10290	0.60	907	16450	9870	0.60	961	15960	9576	0.60	983	15400	9240	0.60	1026
75	72	17850	8568	0.48	940	17220	8266	0.48	999	16800	8064	0.48	1026	16100	7728	0.48	1069
75	75	18760	6754	0.36	983	18060	6502	0.36	1037	17640	6350	0.36	1069	17080	6149	0.36	1123
77	64	16450	12502	0.76	864	15750	11970	0.76	907	15120	11491	0.76	950	14560	11066	0.76	994
77	68	17150	10976	0.64	907	16450	10528	0.64	961	15960	10214	0.64	983	15400	9856	0.64	1026
77	72	17850	9282	0.52	940	17220	8954	0.52	999	16800	8736	0.52	1026	16100	8372	0.52	1069
77	75	18760	7504	0.40	983	18060	7224	0.40	1037	17640	7056	0.40	1069	17080	6832	0.40	1123
79	64	16450	13160	0.80	864	15750	12600	0.80	907	15120	12096	0.80	950	14560	11648	0.80	994
79	68	17150	11662	0.68	907	16450	11186	0.68	961	15960	10853	0.68	983	15400	10472	0.68	1026
79	72	17850	9996	0.56	940	17220	9643	0.56	999	16800	9408	0.56	1026	16100	9016	0.56	1069
79	75	18760	8254	0.44	983	18060	7946	0.44	1037	17640	7762	0.44	1069	17080	7515	0.44	1123
79	79	19320	6182	0.32	1037	18760	6003	0.32	1091	18480	5914	0.32	1123	17920	5734	0.32	1156
81	64	16450	13818	0.84	864	15750	13230	0.84	907	15120	12701	0.84	950	14560	12230	0.84	994
81	68	17150	12348	0.72	907	16450	11844	0.72	961	15960	11491	0.72	983	15400	11088	0.72	1026
81	72	17850	10710	0.60	940	17220	10332	0.60	999	16800	10080	0.60	1026	16100	9660	0.60	1069
81	75	18760	9005	0.48	983	18060	8669	0.48	1037	17640	8467	0.48	1069	17080	8198	0.48	1123
81	79	19320	6955	0.36	1037	18760	6754	0.36	1091	18480	6653	0.36	1123	17920	6451	0.36	1156
82	64	16450	14476	0.88	864	15750	13860	0.88	907	15120	13306	0.88	950	14560	12813	0.88	994
82	68	17150	13034	0.76	907	16450	12502	0.76	961	15960	12130	0.76	983	15400	11704	0.76	1026
82	72	17850	11424	0.64	940	17220	11021	0.64	999	16800	10752	0.64	1026	16100	10304	0.64	1069
82	75	18760	9755	0.52	983	18060	9391	0.52	1037	17640	9173	0.52	1069	17080	8882	0.52	1123
82	79	19320	7728	0.40	1037	18760	7504	0.40	1091	18480	7392	0.40	1123	17920	7168	0.40	1156
84	64	16450	15134	0.92	864	15750	14490	0.92	907	15120	13910	0.92	950	14560	13395	0.92	994
84	68	17150	13720	0.80	907	16450	13160	0.80	961	15960	12768	0.80	983	15400	12320	0.80	1026
84	72	17850	12138	0.68	940	17220	11710	0.68	999	16800	11424	0.68	1026	16100	10948	0.68	1069
84	75	18760	10506	0.56	983	18060	10114	0.56	1037	17640	9878	0.56	1069	17080	9565	0.56	1123
84	79	19320	8501	0.44	1037	18760	8254	0.44	1091	18480	8131	0.44	1123	17920	7885	0.44	1156
86	64	16450	15792	0.96	864	15750	15120	0.96	907	15120	14515	0.96	950	14560	13978	0.96	994
86	68	17150	14406	0.84	907	16450	13818	0.84	961	15960	13406	0.84	983	15400	12936	0.84	1026
86	72	17850	12852	0.72	940	17220	12398	0.72	999	16800	12096	0.72	1026	16100	11592	0.72	1069
86	75	18760	11256	0.60	983	18060	10836	0.60	1037	17640	10584	0.60	1069	17080	10248	0.60	1123
86	79	19320	9274	0.48	1037	18760	9005	0.48	1091	18480	8870	0.48	1123	17920	8602	0.48	1156
88	64	16450	16450	1.00	864	15750	15750	1.00	907	15120	15120	1.00	950	14560	14560	1.00	994
88	68	17150	15092	0.88	907	16450	14476	0.88	961	15960	14045	0.88	983	15400	13552	0.88	1026
88	72	17850	13566	0.76	940	17220	13087	0.76	999	16800	12768	0.76	1026	16100	12236	0.76	1069
88	75	18760	12006	0.64	983	18060	11558	0.64	1037	17640	11290	0.64	1069	17080	10931	0.64	1123
88	79	19320	10046	0.52	1037	18760	9755	0.52	1091	18480	9610	0.52	1123	17920	9318	0.52	1156
90	64	16450	16450	1.00	864	15750	15750	1.00	907	15120	15120	1.00	950	14560	14560	1.00	994
90	68	17150	15778	0.92	907	16450	15134	0.92	961	15960	14683	0.92	983	15400	14168	0.92	1026
90	72	17850	14280	0.80	940	17220	13776	0.80	999	16800	13440	0.80	1026	16100	12880	0.80	1069
90	75	18760	12757	0.68	983	18060	12281	0.68	1037	17640	11995	0.68	1069	17080	11614	0.68	1123
90	79	19320	10819	0.56	1037	18760	10506	0.56	1091	18480	10349	0.56	1123	17920	10035	0.56	1156

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

COOLING CAPACITY

MSZ-GL15NA MSY-GL15NA: MUZ-GL15NA MUZ-GL15NAH MUY-GL15NA

CAPACITY (Btu/h): 14000 INPUT (W): 1080 SHF: 0.78

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	13720	8232	0.60	1058	12600	7560	0.60	1123	11620	6972	0.60	1166
70	68	14420	6922	0.48	1102	13440	6451	0.48	1156	12460	5981	0.48	1220
72	64	13720	8781	0.64	1058	12600	8064	0.64	1123	11620	7437	0.64	1166
72	68	14420	7498	0.52	1102	13440	6989	0.52	1156	12460	6479	0.52	1220
72	72	15260	6104	0.40	1145	14280	5712	0.40	1210	13300	5320	0.40	1253
73	64	13720	9330	0.68	1058	12600	8568	0.68	1123	11620	7902	0.68	1166
73	68	14420	8075	0.56	1102	13440	7526	0.56	1156	12460	6978	0.56	1220
73	72	15260	6714	0.44	1145	14280	6283	0.44	1210	13300	5852	0.44	1253
75	64	13720	9878	0.72	1058	12600	9072	0.72	1123	11620	8366	0.72	1166
75	68	14420	8652	0.60	1102	13440	8064	0.60	1156	12460	7476	0.60	1220
75	72	15260	7325	0.48	1145	14280	6854	0.48	1210	13300	6384	0.48	1253
75	75	16100	5796	0.36	1188	15120	5443	0.36	1242	14280	5141	0.36	1296
77	64	13720	10427	0.76	1058	12600	9576	0.76	1123	11620	8831	0.76	1166
77	68	14420	9229	0.64	1102	13440	8602	0.64	1156	12460	7974	0.64	1220
77	72	15260	7935	0.52	1145	14280	7426	0.52	1210	13300	6916	0.52	1253
77	75	16100	6440	0.40	1188	15120	6048	0.40	1242	14280	5712	0.40	1296
79	64	13720	10976	0.80	1058	12600	10080	0.80	1123	11620	9296	0.80	1166
79	68	14420	9806	0.68	1102	13440	9139	0.68	1156	12460	8473	0.68	1220
79	72	15260	8546	0.56	1145	14280	7997	0.56	1210	13300	7448	0.56	1253
79	75	16100	7084	0.44	1188	15120	6653	0.44	1242	14280	6283	0.44	1296
79	79	16940	5421	0.32	1231	15960	5107	0.32	1285	14980	4794	0.32	1339
81	64	13720	11525	0.84	1058	12600	10584	0.84	1123	11620	9761	0.84	1166
81	68	14420	10382	0.72	1102	13440	9677	0.72	1156	12460	8971	0.72	1220
81	72	15260	9156	0.60	1145	14280	8568	0.60	1210	13300	7980	0.60	1253
81	75	16100	7728	0.48	1188	15120	7258	0.48	1242	14280	6854	0.48	1296
81	79	16940	6098	0.36	1231	15960	5746	0.36	1285	14980	5393	0.36	1339
82	64	13720	12074	0.88	1058	12600	11088	0.88	1123	11620	10226	0.88	1166
82	68	14420	10959	0.76	1102	13440	10214	0.76	1156	12460	9470	0.76	1220
82	72	15260	9766	0.64	1145	14280	9139	0.64	1210	13300	8512	0.64	1253
82	75	16100	8372	0.52	1188	15120	7862	0.52	1242	14280	7426	0.52	1296
82	79	16940	6776	0.40	1231	15960	6384	0.40	1285	14980	5992	0.40	1339
84	64	13720	12622	0.92	1058	12600	11592	0.92	1123	11620	10690	0.92	1166
84	68	14420	11536	0.80	1102	13440	10752	0.80	1156	12460	9968	0.80	1220
84	72	15260	10377	0.68	1145	14280	9710	0.68	1210	13300	9044	0.68	1253
84	75	16100	9016	0.56	1188	15120	8467	0.56	1242	14280	7997	0.56	1296
84	79	16940	7454	0.44	1231	15960	7022	0.44	1285	14980	6591	0.44	1339
86	64	13720	13171	0.96	1058	12600	12096	0.96	1123	11620	11155	0.96	1166
86	68	14420	12113	0.84	1102	13440	11290	0.84	1156	12460	10466	0.84	1220
86	72	15260	10987	0.72	1145	14280	10282	0.72	1210	13300	9576	0.72	1253
86	75	16100	9660	0.60	1188	15120	9072	0.60	1242	14280	8568	0.60	1296
86	79	16940	8131	0.48	1231	15960	7661	0.48	1285	14980	7190	0.48	1339
88	64	13720	13720	1.00	1058	12600	12600	1.00	1123	11620	11620	1.00	1166
88	68	14420	12690	0.88	1102	13440	11827	0.88	1156	12460	10965	0.88	1220
88	72	15260	11598	0.76	1145	14280	10853	0.76	1210	13300	10108	0.76	1253
88	75	16100	10304	0.64	1188	15120	9677	0.64	1242	14280	9139	0.64	1296
88	79	16940	8809	0.52	1231	15960	8299	0.52	1285	14980	7790	0.52	1339
90	64	13720	13720	1.00	1058	12600	12600	1.00	1123	11620	11620	1.00	1166
90	68	14420	13266	0.92	1102	13440	12365	0.92	1156	12460	11463	0.92	1220
90	72	15260	12208	0.80	1145	14280	11424	0.80	1210	13300	10640	0.80	1253
90	75	16100	10948	0.68	1188	15120	10282	0.68	1242	14280	9710	0.68	1296
90	79	16940	9486	0.56	1231	15960	8938	0.56	1285	14980	8389	0.56	1339

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

COOLING CAPACITY

MSZ-GL18NA MSY-GL18NA: MUZ-GL18NA MUZ-GL18NAH MUY-GL18NA

CAPACITY (Btu/h): 18000 INPUT (W): 1340 SHF: 0.87

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	21150	14594	0.69	1072	20250	13973	0.69	1126	19440	13414	0.69	1179	18720	12917	0.69	1233
70	68	22050	12569	0.57	1126	21150	12056	0.57	1193	20520	11696	0.57	1219	19800	11286	0.57	1273
72	64	21150	15440	0.73	1072	20250	14783	0.73	1126	19440	14191	0.73	1179	18720	13666	0.73	1233
72	68	22050	13451	0.61	1126	21150	12902	0.61	1193	20520	12517	0.61	1219	19800	12078	0.61	1273
72	72	22950	11246	0.49	1166	22140	10849	0.49	1240	21600	10584	0.49	1273	20700	10143	0.49	1327
73	64	21150	16286	0.77	1072	20250	15593	0.77	1126	19440	14969	0.77	1179	18720	14414	0.77	1233
73	68	22050	14333	0.65	1126	21150	13748	0.65	1193	20520	13338	0.65	1219	19800	12870	0.65	1273
73	72	22950	12164	0.53	1166	22140	11734	0.53	1240	21600	11448	0.53	1273	20700	10971	0.53	1327
75	64	21150	17132	0.81	1072	20250	16403	0.81	1126	19440	15746	0.81	1179	18720	15163	0.81	1233
75	68	22050	15215	0.69	1126	21150	14594	0.69	1193	20520	14159	0.69	1219	19800	13662	0.69	1273
75	72	22950	13082	0.57	1166	22140	12620	0.57	1240	21600	12312	0.57	1273	20700	11799	0.57	1327
75	75	24120	10854	0.45	1219	23220	10449	0.45	1286	22680	10206	0.45	1327	21960	9882	0.45	1394
77	64	21150	17978	0.85	1072	20250	17213	0.85	1126	19440	16524	0.85	1179	18720	15912	0.85	1233
77	68	22050	16097	0.73	1126	21150	15440	0.73	1193	20520	14980	0.73	1219	19800	14454	0.73	1273
77	72	22950	14000	0.61	1166	22140	13505	0.61	1240	21600	13176	0.61	1273	20700	12627	0.61	1327
77	75	24120	11819	0.49	1219	23220	11378	0.49	1286	22680	11113	0.49	1327	21960	10760	0.49	1394
79	64	21150	18824	0.89	1072	20250	18023	0.89	1126	19440	17302	0.89	1179	18720	16661	0.89	1233
79	68	22050	16979	0.77	1126	21150	16286	0.77	1193	20520	15800	0.77	1219	19800	15246	0.77	1273
79	72	22950	14918	0.65	1166	22140	14391	0.65	1240	21600	14040	0.65	1273	20700	13455	0.65	1327
79	75	24120	12784	0.53	1219	23220	12307	0.53	1286	22680	12020	0.53	1327	21960	11639	0.53	1394
79	79	24840	10184	0.41	1286	24120	9889	0.41	1353	23760	9742	0.41	1394	23040	9446	0.41	1434
81	64	21150	19670	0.93	1072	20250	18833	0.93	1126	19440	18079	0.93	1179	18720	17410	0.93	1233
81	68	22050	17861	0.81	1126	21150	17132	0.81	1193	20520	16621	0.81	1219	19800	16038	0.81	1273
81	72	22950	15836	0.69	1166	22140	15277	0.69	1240	21600	14904	0.69	1273	20700	14283	0.69	1327
81	75	24120	13748	0.57	1219	23220	13235	0.57	1286	22680	12928	0.57	1327	21960	12517	0.57	1394
81	79	24840	11178	0.45	1286	24120	10854	0.45	1353	23760	10692	0.45	1394	23040	10368	0.45	1434
82	64	21150	20516	0.97	1072	20250	19643	0.97	1126	19440	18857	0.97	1179	18720	18158	0.97	1233
82	68	22050	18743	0.85	1126	21150	17978	0.85	1193	20520	17442	0.85	1219	19800	16830	0.85	1273
82	72	22950	16754	0.73	1166	22140	16162	0.73	1240	21600	15768	0.73	1273	20700	15111	0.73	1327
82	75	24120	14713	0.61	1219	23220	14164	0.61	1286	22680	13835	0.61	1327	21960	13396	0.61	1394
82	79	24840	12172	0.49	1286	24120	11819	0.49	1353	23760	11642	0.49	1394	23040	11290	0.49	1434
84	64	21150	21150	1.00	1072	20250	20250	1.00	1126	19440	19440	1.00	1179	18720	18720	1.00	1233
84	68	22050	19625	0.89	1126	21150	18824	0.89	1193	20520	18263	0.89	1219	19800	17622	0.89	1273
84	72	22950	17672	0.77	1166	22140	17048	0.77	1240	21600	16632	0.77	1273	20700	15939	0.77	1327
84	75	24120	15678	0.65	1219	23220	15093	0.65	1286	22680	14742	0.65	1327	21960	14274	0.65	1394
84	79	24840	13165	0.53	1286	24120	12784	0.53	1353	23760	12593	0.53	1394	23040	12211	0.53	1434
86	64	21150	21150	1.00	1072	20250	20250	1.00	1126	19440	19440	1.00	1179	18720	18720	1.00	1233
86	68	22050	20507	0.93	1126	21150	19670	0.93	1193	20520	19084	0.93	1219	19800	18414	0.93	1273
86	72	22950	18590	0.81	1166	22140	17933	0.81	1240	21600	17496	0.81	1273	20700	16767	0.81	1327
86	75	24120	16643	0.69	1219	23220	16022	0.69	1286	22680	15649	0.69	1327	21960	15152	0.69	1394
86	79	24840	14159	0.57	1286	24120	13748	0.57	1353	23760	13543	0.57	1394	23040	13133	0.57	1434
88	64	21150	21150	1.00	1072	20250	20250	1.00	1126	19440	19440	1.00	1179	18720	18720	1.00	1233
88	68	22050	21389	0.97	1126	21150	20516	0.97	1193	20520	19904	0.97	1219	19800	19206	0.97	1273
88	72	22950	19508	0.85	1166	22140	18819	0.85	1240	21600	18360	0.85	1273	20700	17595	0.85	1327
88	75	24120	17608	0.73	1219	23220	16951	0.73	1286	22680	16556	0.73	1327	21960	16031	0.73	1394
88	79	24840	15152	0.61	1286	24120	14713	0.61	1353	23760	14494	0.61	1394	23040	14054	0.61	1434
90	64	21150	21150	1.00	1072	20250	20250	1.00	1126	19440	19440	1.00	1179	18720	18720	1.00	1233
90	68	22050	22050	1.00	1126	21150	21150	1.00	1193	20520	20520	1.00	1219	19800	19800	1.00	1273
90	72	22950	20426	0.89	1166	22140	19705	0.89	1240	21600	19224	0.89	1273	20700	18423	0.89	1327
90	75	24120	18572	0.77	1219	23220	17879	0.77	1286	22680	17464	0.77	1327	21960	16909	0.77	1394
90	79	24840	16146	0.65	1286	24120	15678	0.65	1353	23760	15444	0.65	1394	23040	14976	0.65	1434

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

COOLING CAPACITY

MSZ-GL18NA MSY-GL18NA: MUZ-GL18NA MUZ-GL18NAH MUY-GL18NA

CAPACITY (Btu/h): 18000 INPUT (W): 1340 SHF: 0.87

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	17640	12172	0.69	1313	16200	11178	0.69	1394	14940	10309	0.69	1447
70	68	18540	10568	0.57	1367	17280	9850	0.57	1434	16020	9131	0.57	1514
72	64	17640	12877	0.73	1313	16200	11826	0.73	1394	14940	10906	0.73	1447
72	68	18540	11309	0.61	1367	17280	10541	0.61	1434	16020	9772	0.61	1514
72	72	19620	9614	0.49	1420	18360	8996	0.49	1501	17100	8379	0.49	1554
73	64	17640	13583	0.77	1313	16200	12474	0.77	1394	14940	11504	0.77	1447
73	68	18540	12051	0.65	1367	17280	11232	0.65	1434	16020	10413	0.65	1514
73	72	19620	10399	0.53	1420	18360	9731	0.53	1501	17100	9063	0.53	1554
75	64	17640	14288	0.81	1313	16200	13122	0.81	1394	14940	12101	0.81	1447
75	68	18540	12793	0.69	1367	17280	11923	0.69	1434	16020	11054	0.69	1514
75	72	19620	11183	0.57	1420	18360	10465	0.57	1501	17100	9747	0.57	1554
75	75	20700	9315	0.45	1474	19440	8748	0.45	1541	18360	8262	0.45	1608
77	64	17640	14994	0.85	1313	16200	13770	0.85	1394	14940	12699	0.85	1447
77	68	18540	13534	0.73	1367	17280	12614	0.73	1434	16020	11695	0.73	1514
77	72	19620	11968	0.61	1420	18360	11200	0.61	1501	17100	10431	0.61	1554
77	75	20700	10143	0.49	1474	19440	9526	0.49	1541	18360	8996	0.49	1608
79	64	17640	15700	0.89	1313	16200	14418	0.89	1394	14940	13297	0.89	1447
79	68	18540	14276	0.77	1367	17280	13306	0.77	1434	16020	12335	0.77	1514
79	72	19620	12753	0.65	1420	18360	11934	0.65	1501	17100	11115	0.65	1554
79	75	20700	10971	0.53	1474	19440	10303	0.53	1541	18360	9731	0.53	1608
79	79	21780	8930	0.41	1528	20520	8413	0.41	1595	19260	7897	0.41	1662
81	64	17640	16405	0.93	1313	16200	15066	0.93	1394	14940	13894	0.93	1447
81	68	18540	15017	0.81	1367	17280	13997	0.81	1434	16020	12976	0.81	1514
81	72	19620	13538	0.69	1420	18360	12668	0.69	1501	17100	11799	0.69	1554
81	75	20700	11799	0.57	1474	19440	11081	0.57	1541	18360	10465	0.57	1608
81	79	21780	9801	0.45	1528	20520	9234	0.45	1595	19260	8667	0.45	1662
82	64	17640	17111	0.97	1313	16200	15714	0.97	1394	14940	14492	0.97	1447
82	68	18540	15759	0.85	1367	17280	14688	0.85	1434	16020	13617	0.85	1514
82	72	19620	14323	0.73	1420	18360	13403	0.73	1501	17100	12483	0.73	1554
82	75	20700	12627	0.61	1474	19440	11858	0.61	1541	18360	11200	0.61	1608
82	79	21780	10672	0.49	1528	20520	10055	0.49	1595	19260	9437	0.49	1662
84	64	17640	17640	1.00	1313	16200	16200	1.00	1394	14940	14940	1.00	1447
84	68	18540	16501	0.89	1367	17280	15379	0.89	1434	16020	14258	0.89	1514
84	72	19620	15107	0.77	1420	18360	14137	0.77	1501	17100	13167	0.77	1554
84	75	20700	13455	0.65	1474	19440	12636	0.65	1541	18360	11934	0.65	1608
84	79	21780	11543	0.53	1528	20520	10876	0.53	1595	19260	10208	0.53	1662
86	64	17640	17640	1.00	1313	16200	16200	1.00	1394	14940	14940	1.00	1447
86	68	18540	17242	0.93	1367	17280	16070	0.93	1434	16020	14899	0.93	1514
86	72	19620	15892	0.81	1420	18360	14872	0.81	1501	17100	13851	0.81	1554
86	75	20700	14283	0.69	1474	19440	13414	0.69	1541	18360	12668	0.69	1608
86	79	21780	12415	0.57	1528	20520	11696	0.57	1595	19260	10978	0.57	1662
88	64	17640	17640	1.00	1313	16200	16200	1.00	1394	14940	14940	1.00	1447
88	68	18540	17984	0.97	1367	17280	16762	0.97	1434	16020	15539	0.97	1514
88	72	19620	16677	0.85	1420	18360	15606	0.85	1501	17100	14535	0.85	1554
88	75	20700	15111	0.73	1474	19440	14191	0.73	1541	18360	13403	0.73	1608
88	79	21780	13286	0.61	1528	20520	12517	0.61	1595	19260	11749	0.61	1662
90	64	17640	17640	1.00	1313	16200	16200	1.00	1394	14940	14940	1.00	1447
90	68	18540	18540	1.00	1367	17280	17280	1.00	1434	16020	16020	1.00	1514
90	72	19620	17462	0.89	1420	18360	16340	0.89	1501	17100	15219	0.89	1554
90	75	20700	15939	0.77	1474	19440	14969	0.77	1541	18360	14137	0.77	1608
90	79	21780	14157	0.65	1528	20520	13338	0.65	1595	19260	12519	0.65	1662

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

COOLING CAPACITY

MSZ-GL24NA MSY-GL24NA: MUZ-GL24NA MUZ-GL24NAH MUY-GL24NA

CAPACITY (Btu/h): 22500 INPUT (W): 1800 SHF: 0.75

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	26438	15069	0.57	1440	25313	14428	0.57	1512	24300	13851	0.57	1584	23400	13338	0.57	1656
70	68	27563	12403	0.45	1512	26438	11897	0.45	1602	25650	11543	0.45	1638	24750	11138	0.45	1710
72	64	26438	16127	0.61	1440	25313	15441	0.61	1512	24300	14823	0.61	1584	23400	14274	0.61	1656
72	68	27563	13506	0.49	1512	26438	12954	0.49	1602	25650	12569	0.49	1638	24750	12128	0.49	1710
72	72	28688	10614	0.37	1566	27675	10240	0.37	1665	27000	9990	0.37	1710	25875	9574	0.37	1782
73	64	26438	17184	0.65	1440	25313	16453	0.65	1512	24300	15795	0.65	1584	23400	15210	0.65	1656
73	68	27563	14608	0.53	1512	26438	14012	0.53	1602	25650	13595	0.53	1638	24750	13118	0.53	1710
73	72	28688	11762	0.41	1566	27675	11347	0.41	1665	27000	11070	0.41	1710	25875	10609	0.41	1782
75	64	26438	18242	0.69	1440	25313	17466	0.69	1512	24300	16767	0.69	1584	23400	16146	0.69	1656
75	68	27563	15711	0.57	1512	26438	15069	0.57	1602	25650	14621	0.57	1638	24750	14108	0.57	1710
75	72	28688	12909	0.45	1566	27675	12454	0.45	1665	27000	12150	0.45	1710	25875	11644	0.45	1782
75	75	30150	9950	0.33	1638	29025	9578	0.33	1728	28350	9356	0.33	1782	27450	9059	0.33	1872
77	64	26438	19299	0.73	1440	25313	18478	0.73	1512	24300	17739	0.73	1584	23400	17082	0.73	1656
77	68	27563	16813	0.61	1512	26438	16127	0.61	1602	25650	15647	0.61	1638	24750	15098	0.61	1710
77	72	28688	14057	0.49	1566	27675	13561	0.49	1665	27000	13230	0.49	1710	25875	12679	0.49	1782
77	75	30150	11156	0.37	1638	29025	10739	0.37	1728	28350	10490	0.37	1782	27450	10157	0.37	1872
79	64	26438	20357	0.77	1440	25313	19491	0.77	1512	24300	18711	0.77	1584	23400	18018	0.77	1656
79	68	27563	17916	0.65	1512	26438	17184	0.65	1602	25650	16673	0.65	1638	24750	16088	0.65	1710
79	72	28688	15204	0.53	1566	27675	14668	0.53	1665	27000	14310	0.53	1710	25875	13714	0.53	1782
79	75	30150	12362	0.41	1638	29025	11900	0.41	1728	28350	11624	0.41	1782	27450	11255	0.41	1872
79	79	31050	9005	0.29	1728	30150	8744	0.29	1818	29700	8613	0.29	1872	28800	8352	0.29	1926
81	64	26438	21414	0.81	1440	25313	20503	0.81	1512	24300	19683	0.81	1584	23400	18954	0.81	1656
81	68	27563	19018	0.69	1512	26438	18242	0.69	1602	25650	17699	0.69	1638	24750	17078	0.69	1710
81	72	28688	16352	0.57	1566	27675	15775	0.57	1665	27000	15390	0.57	1710	25875	14749	0.57	1782
81	75	30150	13568	0.45	1638	29025	13061	0.45	1728	28350	12758	0.45	1782	27450	12353	0.45	1872
81	79	31050	10247	0.33	1728	30150	9950	0.33	1818	29700	9801	0.33	1872	28800	9504	0.33	1926
82	64	26438	22472	0.85	1440	25313	21516	0.85	1512	24300	20655	0.85	1584	23400	19890	0.85	1656
82	68	27563	20121	0.73	1512	26438	19299	0.73	1602	25650	18725	0.73	1638	24750	18068	0.73	1710
82	72	28688	17499	0.61	1566	27675	16882	0.61	1665	27000	16470	0.61	1710	25875	15784	0.61	1782
82	75	30150	14774	0.49	1638	29025	14222	0.49	1728	28350	13892	0.49	1782	27450	13451	0.49	1872
82	79	31050	11489	0.37	1728	30150	11156	0.37	1818	29700	10989	0.37	1872	28800	10656	0.37	1926
84	64	26438	23529	0.89	1440	25313	22528	0.89	1512	24300	21627	0.89	1584	23400	20826	0.89	1656
84	68	27563	21223	0.77	1512	26438	20357	0.77	1602	25650	19751	0.77	1638	24750	19058	0.77	1710
84	72	28688	18647	0.65	1566	27675	17989	0.65	1665	27000	17550	0.65	1710	25875	16819	0.65	1782
84	75	30150	15980	0.53	1638	29025	15383	0.53	1728	28350	15026	0.53	1782	27450	14549	0.53	1872
84	79	31050	12731	0.41	1728	30150	12362	0.41	1818	29700	12177	0.41	1872	28800	11808	0.41	1926
86	64	26438	24587	0.93	1440	25313	23541	0.93	1512	24300	22599	0.93	1584	23400	21762	0.93	1656
86	68	27563	22326	0.81	1512	26438	21414	0.81	1602	25650	20777	0.81	1638	24750	20048	0.81	1710
86	72	28688	19794	0.69	1566	27675	19096	0.69	1665	27000	18630	0.69	1710	25875	17854	0.69	1782
86	75	30150	17186	0.57	1638	29025	16544	0.57	1728	28350	16160	0.57	1782	27450	15647	0.57	1872
86	79	31050	13973	0.45	1728	30150	13568	0.45	1818	29700	13365	0.45	1872	28800	12960	0.45	1926
88	64	26438	25644	0.97	1440	25313	24553	0.97	1512	24300	23571	0.97	1584	23400	22698	0.97	1656
88	68	27563	23428	0.85	1512	26438	22472	0.85	1602	25650	21803	0.85	1638	24750	21038	0.85	1710
88	72	28688	20942	0.73	1566	27675	20203	0.73	1665	27000	19710	0.73	1710	25875	18889	0.73	1782
88	75	30150	18392	0.61	1638	29025	17705	0.61	1728	28350	17294	0.61	1782	27450	16745	0.61	1872
88	79	31050	15215	0.49	1728	30150	14774	0.49	1818	29700	14553	0.49	1872	28800	14112	0.49	1926
90	64	26438	26438	1.00	1440	25313	25313	1.00	1512	24300	24300	1.00	1584	23400	23400	1.00	1656
90	68	27563	24531	0.89	1512	26438	23529	0.89	1602	25650	22829	0.89	1638	24750	22028	0.89	1710
90	72	28688	22089	0.77	1566	27675	21310	0.77	1665	27000	20790	0.77	1710	25875	19924	0.77	1782
90	75	30150	19598	0.65	1638	29025	18866	0.65	1728	28350	18428	0.65	1782	27450	17843	0.65	1872
90	79	31050	16457	0.53	1728	30150	15980	0.53	1818	29700	15741	0.53	1872	28800	15264	0.53	1926

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

COOLING CAPACITY

MSZ-GL24NA MSY-GL24NA: MUZ-GL24NA MUZ-GL24NAH MUY-GL24NA

CAPACITY (Btu/h): 22500 INPUT (W): 1800 SHF: 0.75

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	22050	12569	0.57	1764	20250	11543	0.57	1872	18675	10645	0.57	1944
70	68	23175	10429	0.45	1836	21600	9720	0.45	1926	20025	9011	0.45	2034
72	64	22050	13451	0.61	1764	20250	12353	0.61	1872	18675	11392	0.61	1944
72	68	23175	11356	0.49	1836	21600	10584	0.49	1926	20025	9812	0.49	2034
72	72	24525	9074	0.37	1908	22950	8492	0.37	2016	21375	7909	0.37	2088
73	64	22050	14333	0.65	1764	20250	13163	0.65	1872	18675	12139	0.65	1944
73	68	23175	12283	0.53	1836	21600	11448	0.53	1926	20025	10613	0.53	2034
73	72	24525	10055	0.41	1908	22950	9410	0.41	2016	21375	8764	0.41	2088
75	64	22050	15215	0.69	1764	20250	13973	0.69	1872	18675	12886	0.69	1944
75	68	23175	13210	0.57	1836	21600	12312	0.57	1926	20025	11414	0.57	2034
75	72	24525	11036	0.45	1908	22950	10328	0.45	2016	21375	9619	0.45	2088
75	75	25875	8539	0.33	1980	24300	8019	0.33	2070	22950	7574	0.33	2160
77	64	22050	16097	0.73	1764	20250	14783	0.73	1872	18675	13633	0.73	1944
77	68	23175	14137	0.61	1836	21600	13176	0.61	1926	20025	12215	0.61	2034
77	72	24525	12017	0.49	1908	22950	11246	0.49	2016	21375	10474	0.49	2088
77	75	25875	9574	0.37	1980	24300	8991	0.37	2070	22950	8492	0.37	2160
79	64	22050	16979	0.77	1764	20250	15593	0.77	1872	18675	14380	0.77	1944
79	68	23175	15064	0.65	1836	21600	14040	0.65	1926	20025	13016	0.65	2034
79	72	24525	12998	0.53	1908	22950	12164	0.53	2016	21375	11329	0.53	2088
79	75	25875	10609	0.41	1980	24300	9963	0.41	2070	22950	9410	0.41	2160
79	79	27225	7895	0.29	2052	25650	7439	0.29	2142	24075	6982	0.29	2232
81	64	22050	17861	0.81	1764	20250	16403	0.81	1872	18675	15127	0.81	1944
81	68	23175	15991	0.69	1836	21600	14904	0.69	1926	20025	13817	0.69	2034
81	72	24525	13979	0.57	1908	22950	13082	0.57	2016	21375	12184	0.57	2088
81	75	25875	11644	0.45	1980	24300	10935	0.45	2070	22950	10328	0.45	2160
81	79	27225	8984	0.33	2052	25650	8465	0.33	2142	24075	7945	0.33	2232
82	64	22050	18743	0.85	1764	20250	17213	0.85	1872	18675	15874	0.85	1944
82	68	23175	16918	0.73	1836	21600	15768	0.73	1926	20025	14618	0.73	2034
82	72	24525	14960	0.61	1908	22950	14000	0.61	2016	21375	13039	0.61	2088
82	75	25875	12679	0.49	1980	24300	11907	0.49	2070	22950	11246	0.49	2160
82	79	27225	10073	0.37	2052	25650	9491	0.37	2142	24075	8908	0.37	2232
84	64	22050	19625	0.89	1764	20250	18023	0.89	1872	18675	16621	0.89	1944
84	68	23175	17845	0.77	1836	21600	16632	0.77	1926	20025	15419	0.77	2034
84	72	24525	15941	0.65	1908	22950	14918	0.65	2016	21375	13894	0.65	2088
84	75	25875	13714	0.53	1980	24300	12879	0.53	2070	22950	12164	0.53	2160
84	79	27225	11162	0.41	2052	25650	10517	0.41	2142	24075	9871	0.41	2232
86	64	22050	20507	0.93	1764	20250	18833	0.93	1872	18675	17368	0.93	1944
86	68	23175	18772	0.81	1836	21600	17496	0.81	1926	20025	16220	0.81	2034
86	72	24525	16922	0.69	1908	22950	15836	0.69	2016	21375	14749	0.69	2088
86	75	25875	14749	0.57	1980	24300	13851	0.57	2070	22950	13082	0.57	2160
86	79	27225	12251	0.45	2052	25650	11543	0.45	2142	24075	10834	0.45	2232
88	64	22050	21389	0.97	1764	20250	19643	0.97	1872	18675	18115	0.97	1944
88	68	23175	19699	0.85	1836	21600	18360	0.85	1926	20025	17021	0.85	2034
88	72	24525	17903	0.73	1908	22950	16754	0.73	2016	21375	15604	0.73	2088
88	75	25875	15784	0.61	1980	24300	14823	0.61	2070	22950	14000	0.61	2160
88	79	27225	13340	0.49	2052	25650	12569	0.49	2142	24075	11797	0.49	2232
90	64	22050	22050	1.00	1764	20250	20250	1.00	1872	18675	18675	1.00	1944
90	68	23175	20626	0.89	1836	21600	19224	0.89	1926	20025	17822	0.89	2034
90	72	24525	18884	0.77	1908	22950	17672	0.77	2016	21375	16459	0.77	2088
90	75	25875	16819	0.65	1980	24300	15795	0.65	2070	22950	14918	0.65	2160
90	79	27225	14429	0.53	2052	25650	13595	0.53	2142	24075	12760	0.53	2232

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

COOLING CAPACITY

MSZ-HM09NA: MUZ-HM09NA MUZ-HM09NAH

CAPACITY (Btu/h): 9000 INPUT (W): 750 SHF: 0.82

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	10575	6768	0.64	600	10125	6480	0.64	630	9720	6221	0.64	660	9360	5990	0.64	690
70	68	11025	5733	0.52	630	10575	5499	0.52	668	10260	5335	0.52	683	9900	5148	0.52	713
72	64	10575	7191	0.68	600	10125	6885	0.68	630	9720	6610	0.68	660	9360	6365	0.68	690
72	68	11025	6174	0.56	630	10575	5922	0.56	668	10260	5746	0.56	683	9900	5544	0.56	713
72	72	11475	5049	0.44	653	11070	4871	0.44	694	10800	4752	0.44	713	10350	4554	0.44	743
73	64	10575	7614	0.72	600	10125	7290	0.72	630	9720	6998	0.72	660	9360	6739	0.72	690
73	68	11025	6615	0.60	630	10575	6345	0.60	668	10260	6156	0.60	683	9900	5940	0.60	713
73	72	11475	5508	0.48	653	11070	5314	0.48	694	10800	5184	0.48	713	10350	4968	0.48	743
75	64	10575	8037	0.76	600	10125	7695	0.76	630	9720	7387	0.76	660	9360	7114	0.76	690
75	68	11025	7056	0.64	630	10575	6768	0.64	668	10260	6566	0.64	683	9900	6336	0.64	713
75	72	11475	5967	0.52	653	11070	5756	0.52	694	10800	5616	0.52	713	10350	5382	0.52	743
75	75	12060	4824	0.40	683	11610	4644	0.40	720	11340	4536	0.40	743	10980	4392	0.40	780
77	64	10575	8460	0.80	600	10125	8100	0.80	630	9720	7776	0.80	660	9360	7488	0.80	690
77	68	11025	7497	0.68	630	10575	7191	0.68	668	10260	6977	0.68	683	9900	6732	0.68	713
77	72	11475	6426	0.56	653	11070	6199	0.56	694	10800	6048	0.56	713	10350	5796	0.56	743
77	75	12060	5306	0.44	683	11610	5108	0.44	720	11340	4990	0.44	743	10980	4831	0.44	780
79	64	10575	8883	0.84	600	10125	8505	0.84	630	9720	8165	0.84	660	9360	7862	0.84	690
79	68	11025	7938	0.72	630	10575	7614	0.72	668	10260	7387	0.72	683	9900	7128	0.72	713
79	72	11475	6885	0.60	653	11070	6642	0.60	694	10800	6480	0.60	713	10350	6210	0.60	743
79	75	12060	5789	0.48	683	11610	5573	0.48	720	11340	5443	0.48	743	10980	5270	0.48	780
79	79	12420	4471	0.36	720	12060	4342	0.36	758	11880	4277	0.36	780	11520	4147	0.36	803
81	64	10575	9306	0.88	600	10125	8910	0.88	630	9720	8554	0.88	660	9360	8237	0.88	690
81	68	11025	8379	0.76	630	10575	8037	0.76	668	10260	7798	0.76	683	9900	7524	0.76	713
81	72	11475	7344	0.64	653	11070	7085	0.64	694	10800	6912	0.64	713	10350	6624	0.64	743
81	75	12060	6271	0.52	683	11610	6037	0.52	720	11340	5897	0.52	743	10980	5710	0.52	780
81	79	12420	4968	0.40	720	12060	4824	0.40	758	11880	4752	0.40	780	11520	4608	0.40	803
82	64	10575	9729	0.92	600	10125	9315	0.92	630	9720	8942	0.92	660	9360	8611	0.92	690
82	68	11025	8820	0.80	630	10575	8460	0.80	668	10260	8208	0.80	683	9900	7920	0.80	713
82	72	11475	7803	0.68	653	11070	7528	0.68	694	10800	7344	0.68	713	10350	7038	0.68	743
82	75	12060	6754	0.56	683	11610	6502	0.56	720	11340	6350	0.56	743	10980	6149	0.56	780
82	79	12420	5465	0.44	720	12060	5306	0.44	758	11880	5227	0.44	780	11520	5069	0.44	803
84	64	10575	10152	0.96	600	10125	9720	0.96	630	9720	9331	0.96	660	9360	8986	0.96	690
84	68	11025	9261	0.84	630	10575	8883	0.84	668	10260	8618	0.84	683	9900	8316	0.84	713
84	72	11475	8262	0.72	653	11070	7970	0.72	694	10800	7776	0.72	713	10350	7452	0.72	743
84	75	12060	7236	0.60	683	11610	6966	0.60	720	11340	6804	0.60	743	10980	6588	0.60	780
84	79	12420	5962	0.48	720	12060	5789	0.48	758	11880	5702	0.48	780	11520	5530	0.48	803
86	64	10575	10575	1.00	600	10125	10125	1.00	630	9720	9720	1.00	660	9360	9360	1.00	690
86	68	11025	9702	0.88	630	10575	9306	0.88	668	10260	9029	0.88	683	9900	8712	0.88	713
86	72	11475	8721	0.76	653	11070	8413	0.76	694	10800	8208	0.76	713	10350	7866	0.76	743
86	75	12060	7718	0.64	683	11610	7430	0.64	720	11340	7258	0.64	743	10980	7027	0.64	780
86	79	12420	6458	0.52	720	12060	6271	0.52	758	11880	6178	0.52	780	11520	5990	0.52	803
88	64	10575	10575	1.00	600	10125	10125	1.00	630	9720	9720	1.00	660	9360	9360	1.00	690
88	68	11025	10143	0.92	630	10575	9729	0.92	668	10260	9439	0.92	683	9900	9108	0.92	713
88	72	11475	9180	0.80	653	11070	8856	0.80	694	10800	8640	0.80	713	10350	8280	0.80	743
88	75	12060	8201	0.68	683	11610	7895	0.68	720	11340	7711	0.68	743	10980	7466	0.68	780
88	79	12420	6955	0.56	720	12060	6754	0.56	758	11880	6653	0.56	780	11520	6451	0.56	803
90	64	10575	10575	1.00	600	10125	10125	1.00	630	9720	9720	1.00	660	9360	9360	1.00	690
90	68	11025	10584	0.96	630	10575	10152	0.96	668	10260	9850	0.96	683	9900	9504	0.96	713
90	72	11475	9639	0.84	653	11070	9299	0.84	694	10800	9072	0.84	713	10350	8694	0.84	743
90	75	12060	8683	0.72	683	11610	8359	0.72	720	11340	8165	0.72	743	10980	7906	0.72	780
90	79	12420	7452	0.60	720	12060	7236	0.60	758	11880	7128	0.60	780	11520	6912	0.60	803

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

COOLING CAPACITY

MSZ-HM09NA: MUZ-HM09NA MUZ-HM09NAH

CAPACITY (Btu/h): 9000 INPUT (W): 750 SHF: 0.82

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	8820	5645	0.64	735	8100	5184	0.64	780	7470	4781	0.64	810
70	68	9270	4820	0.52	765	8640	4493	0.52	803	8010	4165	0.52	848
72	64	8820	5998	0.68	735	8100	5508	0.68	780	7470	5080	0.68	810
72	68	9270	5191	0.56	765	8640	4838	0.56	803	8010	4486	0.56	848
72	72	9810	4316	0.44	795	9180	4039	0.44	840	8550	3762	0.44	870
73	64	8820	6350	0.72	735	8100	5832	0.72	780	7470	5378	0.72	810
73	68	9270	5562	0.60	765	8640	5184	0.60	803	8010	4806	0.60	848
73	72	9810	4709	0.48	795	9180	4406	0.48	840	8550	4104	0.48	870
75	64	8820	6703	0.76	735	8100	6156	0.76	780	7470	5677	0.76	810
75	68	9270	5933	0.64	765	8640	5530	0.64	803	8010	5126	0.64	848
75	72	9810	5101	0.52	795	9180	4774	0.52	840	8550	4446	0.52	870
75	75	10350	4140	0.40	825	9720	3888	0.40	863	9180	3672	0.40	900
77	64	8820	7056	0.80	735	8100	6480	0.80	780	7470	5976	0.8	810
77	68	9270	6304	0.68	765	8640	5875	0.68	803	8010	5447	0.68	848
77	72	9810	5494	0.56	795	9180	5141	0.56	840	8550	4788	0.56	870
77	75	10350	4554	0.44	825	9720	4277	0.44	863	9180	4039	0.44	900
79	64	8820	7409	0.84	735	8100	6804	0.84	780	7470	6275	0.84	810
79	68	9270	6674	0.72	765	8640	6221	0.72	803	8010	5767	0.72	848
79	72	9810	5886	0.60	795	9180	5508	0.60	840	8550	5130	0.60	870
79	75	10350	4968	0.48	825	9720	4666	0.48	863	9180	4406	0.48	900
79	79	10890	3920	0.36	855	10260	3694	0.36	893	9630	3467	0.36	930
81	64	8820	7762	0.88	735	8100	7128	0.88	780	7470	6574	0.88	810
81	68	9270	7045	0.76	765	8640	6566	0.76	803	8010	6088	0.76	848
81	72	9810	6278	0.64	795	9180	5875	0.64	840	8550	5472	0.64	870
81	75	10350	5382	0.52	825	9720	5054	0.52	863	9180	4774	0.52	900
81	79	10890	4356	0.40	855	10260	4104	0.40	893	9630	3852	0.40	930
82	64	8820	8114	0.92	735	8100	7452	0.92	780	7470	6872	0.92	810
82	68	9270	7416	0.80	765	8640	6912	0.80	803	8010	6408	0.80	848
82	72	9810	6671	0.68	795	9180	6242	0.68	840	8550	5814	0.68	870
82	75	10350	5796	0.56	825	9720	5443	0.56	863	9180	5141	0.56	900
82	79	10890	4792	0.44	855	10260	4514	0.44	893	9630	4237	0.44	930
84	64	8820	8467	0.96	735	8100	7776	0.96	780	7470	7171	0.96	810
84	68	9270	7787	0.84	765	8640	7258	0.84	803	8010	6728	0.84	848
84	72	9810	7063	0.72	795	9180	6610	0.72	840	8550	6156	0.72	870
84	75	10350	6210	0.60	825	9720	5832	0.60	863	9180	5508	0.60	900
84	79	10890	5227	0.48	855	10260	4925	0.48	893	9630	4622	0.48	930
86	64	8820	8820	1.00	735	8100	8100	1.00	780	7470	7470	1.00	810
86	68	9270	8158	0.88	765	8640	7603	0.88	803	8010	7049	0.88	848
86	72	9810	7456	0.76	795	9180	6977	0.76	840	8550	6498	0.76	870
86	75	10350	6624	0.64	825	9720	6221	0.64	863	9180	5875	0.64	900
86	79	10890	5663	0.52	855	10260	5335	0.52	893	9630	5008	0.52	930
88	64	8820	8820	1.00	735	8100	8100	1.00	780	7470	7470	1.00	810
88	68	9270	8528	0.92	765	8640	7949	0.92	803	8010	7369	0.92	848
88	72	9810	7848	0.80	795	9180	7344	0.80	840	8550	6840	0.80	870
88	75	10350	7038	0.68	825	9720	6610	0.68	863	9180	6242	0.68	900
88	79	10890	6098	0.56	855	10260	5746	0.56	893	9630	5393	0.56	930
90	64	8820	8820	1.00	735	8100	8100	1.00	780	7470	7470	1.00	810
90	68	9270	8899	0.96	765	8640	8294	0.96	803	8010	7690	0.96	848
90	72	9810	8240	0.84	795	9180	7711	0.84	840	8550	7182	0.84	870
90	75	10350	7452	0.72	825	9720	6998	0.72	863	9180	6610	0.72	900
90	79	10890	6534	0.60	855	10260	6156	0.60	893	9630	5778	0.60	930

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

COOLING CAPACITY

MSZ-HM12NA: MUZ-HM12NA MUZ-HM12NAH

CAPACITY (Btu/h): 12000 INPUT (W): 1210 SHF: 0.77

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	14100	8319	0.59	968	13500	7965	0.59	1016	12960	7646	0.59	1065	12480	7363	0.59	1113
70	68	14700	6909	0.47	1016	14100	6627	0.47	1077	13680	6430	0.47	1101	13200	6204	0.47	1150
72	64	14100	8883	0.63	968	13500	8505	0.63	1016	12960	8165	0.63	1065	12480	7862	0.63	1113
72	68	14700	7497	0.51	1016	14100	7191	0.51	1077	13680	6977	0.51	1101	13200	6732	0.51	1150
72	72	15300	5967	0.39	1053	14760	5756	0.39	1119	14400	5616	0.39	1150	13800	5382	0.39	1198
73	64	14100	9447	0.67	968	13500	9045	0.67	1016	12960	8683	0.67	1065	12480	8362	0.67	1113
73	68	14700	8085	0.55	1016	14100	7755	0.55	1077	13680	7524	0.55	1101	13200	7260	0.55	1150
73	72	15300	6579	0.43	1053	14760	6347	0.43	1119	14400	6192	0.43	1150	13800	5934	0.43	1198
75	64	14100	10011	0.71	968	13500	9585	0.71	1016	12960	9202	0.71	1065	12480	8861	0.71	1113
75	68	14700	8673	0.59	1016	14100	8319	0.59	1077	13680	8071	0.59	1101	13200	7788	0.59	1150
75	72	15300	7191	0.47	1053	14760	6937	0.47	1119	14400	6768	0.47	1150	13800	6486	0.47	1198
75	75	16080	5628	0.35	1101	15480	5418	0.35	1162	15120	5292	0.35	1198	14640	5124	0.35	1258
77	64	14100	10575	0.75	968	13500	10125	0.75	1016	12960	9720	0.75	1065	12480	9360	0.75	1113
77	68	14700	9261	0.63	1016	14100	8883	0.63	1077	13680	8618	0.63	1101	13200	8316	0.63	1150
77	72	15300	7803	0.51	1053	14760	7528	0.51	1119	14400	7344	0.51	1150	13800	7038	0.51	1198
77	75	16080	6271	0.39	1101	15480	6037	0.39	1162	15120	5897	0.39	1198	14640	5710	0.39	1258
79	64	14100	11139	0.79	968	13500	10665	0.79	1016	12960	10238	0.79	1065	12480	9859	0.79	1113
79	68	14700	9849	0.67	1016	14100	9447	0.67	1077	13680	9166	0.67	1101	13200	8844	0.67	1150
79	72	15300	8415	0.55	1053	14760	8118	0.55	1119	14400	7920	0.55	1150	13800	7590	0.55	1198
79	75	16080	6914	0.43	1101	15480	6656	0.43	1162	15120	6502	0.43	1198	14640	6295	0.43	1258
79	79	16560	5134	0.31	1162	16080	4985	0.31	1222	15840	4910	0.31	1258	15360	4762	0.31	1295
81	64	14100	11703	0.83	968	13500	11205	0.83	1016	12960	10757	0.83	1065	12480	10358	0.83	1113
81	68	14700	10437	0.71	1016	14100	10011	0.71	1077	13680	9713	0.71	1101	13200	9372	0.71	1150
81	72	15300	9027	0.59	1053	14760	8708	0.59	1119	14400	8496	0.59	1150	13800	8142	0.59	1198
81	75	16080	7558	0.47	1101	15480	7276	0.47	1162	15120	7106	0.47	1198	14640	6881	0.47	1258
81	79	16560	5796	0.35	1162	16080	5628	0.35	1222	15840	5544	0.35	1258	15360	5376	0.35	1295
82	64	14100	12267	0.87	968	13500	11745	0.87	1016	12960	11275	0.87	1065	12480	10858	0.87	1113
82	68	14700	11025	0.75	1016	14100	10575	0.75	1077	13680	10260	0.75	1101	13200	9900	0.75	1150
82	72	15300	9639	0.63	1053	14760	9299	0.63	1119	14400	9072	0.63	1150	13800	8694	0.63	1198
82	75	16080	8201	0.51	1101	15480	7895	0.51	1162	15120	7711	0.51	1198	14640	7466	0.51	1258
82	79	16560	6458	0.39	1162	16080	6271	0.39	1222	15840	6178	0.39	1258	15360	5990	0.39	1295
84	64	14100	12831	0.91	968	13500	12285	0.91	1016	12960	11794	0.91	1065	12480	11357	0.91	1113
84	68	14700	11613	0.79	1016	14100	11139	0.79	1077	13680	10807	0.79	1101	13200	10428	0.79	1150
84	72	15300	10251	0.67	1053	14760	9889	0.67	1119	14400	9648	0.67	1150	13800	9246	0.67	1198
84	75	16080	8844	0.55	1101	15480	8514	0.55	1162	15120	8316	0.55	1198	14640	8052	0.55	1258
84	79	16560	7121	0.43	1162	16080	6914	0.43	1222	15840	6811	0.43	1258	15360	6605	0.43	1295
86	64	14100	13395	0.95	968	13500	12825	0.95	1016	12960	12312	0.95	1065	12480	11856	0.95	1113
86	68	14700	12201	0.83	1016	14100	11703	0.83	1077	13680	11354	0.83	1101	13200	10956	0.83	1150
86	72	15300	10863	0.71	1053	14760	10480	0.71	1119	14400	10224	0.71	1150	13800	9798	0.71	1198
86	75	16080	9487	0.59	1101	15480	9133	0.59	1162	15120	8921	0.59	1198	14640	8638	0.59	1258
86	79	16560	7783	0.47	1162	16080	7558	0.47	1222	15840	7445	0.47	1258	15360	7219	0.47	1295
88	64	14100	13959	0.99	968	13500	13365	0.99	1016	12960	12830	0.99	1065	12480	12355	0.99	1113
88	68	14700	12789	0.87	1016	14100	12267	0.87	1077	13680	11902	0.87	1101	13200	11484	0.87	1150
88	72	15300	11475	0.75	1053	14760	11070	0.75	1119	14400	10800	0.75	1150	13800	10350	0.75	1198
88	75	16080	10130	0.63	1101	15480	9752	0.63	1162	15120	9526	0.63	1198	14640	9223	0.63	1258
88	79	16560	8446	0.51	1162	16080	8201	0.51	1222	15840	8078	0.51	1258	15360	7834	0.51	1295
90	64	14100	14100	1.00	968	13500	13500	1.00	1016	12960	12960	1.00	1065	12480	12480	1.00	1113
90	68	14700	13377	0.91	1016	14100	12831	0.91	1077	13680	12449	0.91	1101	13200	12012	0.91	1150
90	72	15300	12087	0.79	1053	14760	11660	0.79	1119	14400	11376	0.79	1150	13800	10902	0.79	1198
90	75	16080	10774	0.67	1101	15480	10372	0.67	1162	15120	10130	0.67	1198	14640	9809	0.67	1258
90	79	16560	9108	0.55	1162	16080	8844	0.55	1222	15840	8712	0.55	1258	15360	8448	0.55	1295

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

COOLING CAPACITY

MSZ-HM12NA: MUZ-HM12NA MUZ-HM12NAH

CAPACITY (Btu/h): 12000 INPUT (W): 1210 SHF: 0.77

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	11760	6938	0.59	1186	10800	6372	0.59	1258	9960	5876	0.59	1307
70	68	12360	5809	0.47	1234	11520	5414	0.47	1295	10680	5020	0.47	1367
72	64	11760	7409	0.63	1186	10800	6804	0.63	1258	9960	6275	0.63	1307
72	68	12360	6304	0.51	1234	11520	5875	0.51	1295	10680	5447	0.51	1367
72	72	13080	5101	0.39	1283	12240	4774	0.39	1355	11400	4446	0.39	1404
73	64	11760	7879	0.67	1186	10800	7236	0.67	1258	9960	6673	0.67	1307
73	68	12360	6798	0.55	1234	11520	6336	0.55	1295	10680	5874	0.55	1367
73	72	13080	5624	0.43	1283	12240	5263	0.43	1355	11400	4902	0.43	1404
75	64	11760	8350	0.71	1186	10800	7668	0.71	1258	9960	7072	0.71	1307
75	68	12360	7292	0.59	1234	11520	6797	0.59	1295	10680	6301	0.59	1367
75	72	13080	6148	0.47	1283	12240	5753	0.47	1355	11400	5358	0.47	1404
75	75	13800	4830	0.35	1331	12960	4536	0.35	1392	12240	4284	0.35	1452
77	64	11760	8820	0.75	1186	10800	8100	0.75	1258	9960	7470	0.75	1307
77	68	12360	7787	0.63	1234	11520	7258	0.63	1295	10680	6728	0.63	1367
77	72	13080	6671	0.51	1283	12240	6242	0.51	1355	11400	5814	0.51	1404
77	75	13800	5382	0.39	1331	12960	5054	0.39	1392	12240	4774	0.39	1452
79	64	11760	9290	0.79	1186	10800	8532	0.79	1258	9960	7868	0.79	1307
79	68	12360	8281	0.67	1234	11520	7718	0.67	1295	10680	7156	0.67	1367
79	72	13080	7194	0.55	1283	12240	6732	0.55	1355	11400	6270	0.55	1404
79	75	13800	5934	0.43	1331	12960	5573	0.43	1392	12240	5263	0.43	1452
79	79	14520	4501	0.31	1379	13680	4241	0.31	1440	12840	3980	0.31	1500
81	64	11760	9761	0.83	1186	10800	8964	0.83	1258	9960	8267	0.83	1307
81	68	12360	8776	0.71	1234	11520	8179	0.71	1295	10680	7583	0.71	1367
81	72	13080	7717	0.59	1283	12240	7222	0.59	1355	11400	6726	0.59	1404
81	75	13800	6486	0.47	1331	12960	6091	0.47	1392	12240	5753	0.47	1452
81	79	14520	5082	0.35	1379	13680	4788	0.35	1440	12840	4494	0.35	1500
82	64	11760	10231	0.87	1186	10800	9396	0.87	1258	9960	8665	0.87	1307
82	68	12360	9270	0.75	1234	11520	8640	0.75	1295	10680	8010	0.75	1367
82	72	13080	8240	0.63	1283	12240	7711	0.63	1355	11400	7182	0.63	1404
82	75	13800	7038	0.51	1331	12960	6610	0.51	1392	12240	6242	0.51	1452
82	79	14520	5663	0.39	1379	13680	5335	0.39	1440	12840	5008	0.39	1500
84	64	11760	10702	0.91	1186	10800	9828	0.91	1258	9960	9064	0.91	1307
84	68	12360	9764	0.79	1234	11520	9101	0.79	1295	10680	8437	0.79	1367
84	72	13080	8764	0.67	1283	12240	8201	0.67	1355	11400	7638	0.67	1404
84	75	13800	7590	0.55	1331	12960	7128	0.55	1392	12240	6732	0.55	1452
84	79	14520	6244	0.43	1379	13680	5882	0.43	1440	12840	5521	0.43	1500
86	64	11760	11172	0.95	1186	10800	10260	0.95	1258	9960	9462	0.95	1307
86	68	12360	10259	0.83	1234	11520	9562	0.83	1295	10680	8864	0.83	1367
86	72	13080	9287	0.71	1283	12240	8690	0.71	1355	11400	8094	0.71	1404
86	75	13800	8142	0.59	1331	12960	7646	0.59	1392	12240	7222	0.59	1452
86	79	14520	6824	0.47	1379	13680	6430	0.47	1440	12840	6035	0.47	1500
88	64	11760	11642	0.99	1186	10800	10692	0.99	1258	9960	9860	0.99	1307
88	68	12360	10753	0.87	1234	11520	10022	0.87	1295	10680	9292	0.87	1367
88	72	13080	9810	0.75	1283	12240	9180	0.75	1355	11400	8550	0.75	1404
88	75	13800	8694	0.63	1331	12960	8165	0.63	1392	12240	7711	0.63	1452
88	79	14520	7405	0.51	1379	13680	6977	0.51	1440	12840	6548	0.51	1500
90	64	11760	11760	1.00	1186	10800	10800	1.00	1258	9960	9960	1.00	1307
90	68	12360	11248	0.91	1234	11520	10483	0.91	1295	10680	9719	0.91	1367
90	72	13080	10333	0.79	1283	12240	9670	0.79	1355	11400	9006	0.79	1404
90	75	13800	9246	0.67	1331	12960	8683	0.67	1392	12240	8201	0.67	1452
90	79	14520	7986	0.55	1379	13680	7524	0.55	1440	12840	7062	0.55	1500

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

COOLING CAPACITY

MSZ-HM15NA: MUZ-HM15NA MUZ-HM15NAH

CAPACITY (Btu/h): 14000 INPUT (W): 1170 SHF: 0.78

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	16450	9870	0.60	936	15750	9450	0.60	983	15120	9072	0.60	1030	14560	8736	0.60	1076
70	68	17150	8232	0.48	983	16450	7896	0.48	1041	15960	7661	0.48	1065	15400	7392	0.48	1112
72	64	16450	10528	0.64	936	15750	10080	0.64	983	15120	9677	0.64	1030	14560	9318	0.64	1076
72	68	17150	8918	0.52	983	16450	8554	0.52	1041	15960	8299	0.52	1065	15400	8008	0.52	1112
72	72	17850	7140	0.40	1018	17220	6888	0.40	1082	16800	6720	0.40	1112	16100	6440	0.40	1158
73	64	16450	11186	0.68	936	15750	10710	0.68	983	15120	10282	0.68	1030	14560	9901	0.68	1076
73	68	17150	9604	0.56	983	16450	9212	0.56	1041	15960	8938	0.56	1065	15400	8624	0.56	1112
73	72	17850	7854	0.44	1018	17220	7577	0.44	1082	16800	7392	0.44	1112	16100	7084	0.44	1158
75	64	16450	11844	0.72	936	15750	11340	0.72	983	15120	10886	0.72	1030	14560	10483	0.72	1076
75	68	17150	10290	0.60	983	16450	9870	0.60	1041	15960	9576	0.60	1065	15400	9240	0.60	1112
75	72	17850	8568	0.48	1018	17220	8266	0.48	1082	16800	8064	0.48	1112	16100	7728	0.48	1158
75	75	18760	6754	0.36	1065	18060	6502	0.36	1123	17640	6350	0.36	1158	17080	6149	0.36	1217
77	64	16450	12502	0.76	936	15750	11970	0.76	983	15120	11491	0.76	1030	14560	11066	0.76	1076
77	68	17150	10976	0.64	983	16450	10528	0.64	1041	15960	10214	0.64	1065	15400	9856	0.64	1112
77	72	17850	9282	0.52	1018	17220	8954	0.52	1082	16800	8736	0.52	1112	16100	8372	0.52	1158
77	75	18760	7504	0.40	1065	18060	7224	0.40	1123	17640	7056	0.40	1158	17080	6832	0.40	1217
79	64	16450	13160	0.80	936	15750	12600	0.80	983	15120	12096	0.80	1030	14560	11648	0.80	1076
79	68	17150	11662	0.68	983	16450	11186	0.68	1041	15960	10853	0.68	1065	15400	10472	0.68	1112
79	72	17850	9996	0.56	1018	17220	9643	0.56	1082	16800	9408	0.56	1112	16100	9016	0.56	1158
79	75	18760	8254	0.44	1065	18060	7946	0.44	1123	17640	7762	0.44	1158	17080	7515	0.44	1217
79	79	19320	6182	0.32	1123	18760	6003	0.32	1182	18480	5914	0.32	1217	17920	5734	0.32	1252
81	64	16450	13818	0.84	936	15750	13230	0.84	983	15120	12701	0.84	1030	14560	12230	0.84	1076
81	68	17150	12348	0.72	983	16450	11844	0.72	1041	15960	11491	0.72	1065	15400	11088	0.72	1112
81	72	17850	10710	0.60	1018	17220	10332	0.60	1082	16800	10080	0.60	1112	16100	9660	0.60	1158
81	75	18760	9005	0.48	1065	18060	8669	0.48	1123	17640	8467	0.48	1158	17080	8198	0.48	1217
81	79	19320	6955	0.36	1123	18760	6754	0.36	1182	18480	6653	0.36	1217	17920	6451	0.36	1252
82	64	16450	14476	0.88	936	15750	13860	0.88	983	15120	13306	0.88	1030	14560	12813	0.88	1076
82	68	17150	13034	0.76	983	16450	12502	0.76	1041	15960	12130	0.76	1065	15400	11704	0.76	1112
82	72	17850	11424	0.64	1018	17220	11021	0.64	1082	16800	10752	0.64	1112	16100	10304	0.64	1158
82	75	18760	9755	0.52	1065	18060	9391	0.52	1123	17640	9173	0.52	1158	17080	8882	0.52	1217
82	79	19320	7728	0.40	1123	18760	7504	0.40	1182	18480	7392	0.40	1217	17920	7168	0.40	1252
84	64	16450	15134	0.92	936	15750	14490	0.92	983	15120	13910	0.92	1030	14560	13395	0.92	1076
84	68	17150	13720	0.80	983	16450	13160	0.80	1041	15960	12768	0.80	1065	15400	12320	0.80	1112
84	72	17850	12138	0.68	1018	17220	11710	0.68	1082	16800	11424	0.68	1112	16100	10948	0.68	1158
84	75	18760	10506	0.56	1065	18060	10114	0.56	1123	17640	9878	0.56	1158	17080	9565	0.56	1217
84	79	19320	8501	0.44	1123	18760	8254	0.44	1182	18480	8131	0.44	1217	17920	7885	0.44	1252
86	64	16450	15792	0.96	936	15750	15120	0.96	983	15120	14515	0.96	1030	14560	13978	0.96	1076
86	68	17150	14406	0.84	983	16450	13818	0.84	1041	15960	13406	0.84	1065	15400	12936	0.84	1112
86	72	17850	12852	0.72	1018	17220	12398	0.72	1082	16800	12096	0.72	1112	16100	11592	0.72	1158
86	75	18760	11256	0.60	1065	18060	10836	0.60	1123	17640	10584	0.60	1158	17080	10248	0.60	1217
86	79	19320	9274	0.48	1123	18760	9005	0.48	1182	18480	8870	0.48	1217	17920	8602	0.48	1252
88	64	16450	16450	1.00	936	15750	15750	1.00	983	15120	15120	1.00	1030	14560	14560	1.00	1076
88	68	17150	15092	0.88	983	16450	14476	0.88	1041	15960	14045	0.88	1065	15400	13552	0.88	1112
88	72	17850	13566	0.76	1018	17220	13087	0.76	1082	16800	12768	0.76	1112	16100	12236	0.76	1158
88	75	18760	12006	0.64	1065	18060	11558	0.64	1123	17640	11290	0.64	1158	17080	10931	0.64	1217
88	79	19320	10046	0.52	1123	18760	9755	0.52	1182	18480	9610	0.52	1217	17920	9318	0.52	1252
90	64	16450	16450	1.00	936	15750	15750	1.00	983	15120	15120	1.00	1030	14560	14560	1.00	1076
90	68	17150	15778	0.92	983	16450	15134	0.92	1041	15960	14683	0.92	1065	15400	14168	0.92	1112
90	72	17850	14280	0.80	1018	17220	13776	0.80	1082	16800	13440	0.80	1112	16100	12880	0.80	1158
90	75	18760	12757	0.68	1065	18060	12281	0.68	1123	17640	11995	0.68	1158	17080	11614	0.68	1217
90	79	19320	10819	0.56	1123	18760	10506	0.56	1182	18480	10349	0.56	1217	17920	10035	0.56	1252

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

COOLING CAPACITY

MSZ-HM15NA: MUZ-HM15NA MUZ-HM15NAH

CAPACITY (Btu/h): 14000 INPUT (W): 1170 SHF: 0.78

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	13720	8232	0.60	1147	12600	7560	0.60	1217	11620	6972	0.60	1264
70	68	14420	6922	0.48	1193	13440	6451	0.48	1252	12460	5981	0.48	1322
72	64	13720	8781	0.64	1147	12600	8064	0.64	1217	11620	7437	0.64	1264
72	68	14420	7498	0.52	1193	13440	6989	0.52	1252	12460	6479	0.52	1322
72	72	15260	6104	0.40	1240	14280	5712	0.40	1310	13300	5320	0.40	1357
73	64	13720	9330	0.68	1147	12600	8568	0.68	1217	11620	7902	0.68	1264
73	68	14420	8075	0.56	1193	13440	7526	0.56	1252	12460	6978	0.56	1322
73	72	15260	6714	0.44	1240	14280	6283	0.44	1310	13300	5852	0.44	1357
75	64	13720	9878	0.72	1147	12600	9072	0.72	1217	11620	8366	0.72	1264
75	68	14420	8652	0.60	1193	13440	8064	0.60	1252	12460	7476	0.60	1322
75	72	15260	7325	0.48	1240	14280	6854	0.48	1310	13300	6384	0.48	1357
75	75	16100	5796	0.36	1287	15120	5443	0.36	1346	14280	5141	0.36	1404
77	64	13720	10427	0.76	1147	12600	9576	0.76	1217	11620	8831	0.76	1264
77	68	14420	9229	0.64	1193	13440	8602	0.64	1252	12460	7974	0.64	1322
77	72	15260	7935	0.52	1240	14280	7426	0.52	1310	13300	6916	0.52	1357
77	75	16100	6440	0.40	1287	15120	6048	0.40	1346	14280	5712	0.40	1404
79	64	13720	10976	0.80	1147	12600	10080	0.80	1217	11620	9296	0.80	1264
79	68	14420	9806	0.68	1193	13440	9139	0.68	1252	12460	8473	0.68	1322
79	72	15260	8546	0.56	1240	14280	7997	0.56	1310	13300	7448	0.56	1357
79	75	16100	7084	0.44	1287	15120	6653	0.44	1346	14280	6283	0.44	1404
79	79	16940	5421	0.32	1334	15960	5107	0.32	1392	14980	4794	0.32	1451
81	64	13720	11525	0.84	1147	12600	10584	0.84	1217	11620	9761	0.84	1264
81	68	14420	10382	0.72	1193	13440	9677	0.72	1252	12460	8971	0.72	1322
81	72	15260	9156	0.60	1240	14280	8568	0.60	1310	13300	7980	0.60	1357
81	75	16100	7728	0.48	1287	15120	7258	0.48	1346	14280	6854	0.48	1404
81	79	16940	6098	0.36	1334	15960	5746	0.36	1392	14980	5393	0.36	1451
82	64	13720	12074	0.88	1147	12600	11088	0.88	1217	11620	10226	0.88	1264
82	68	14420	10959	0.76	1193	13440	10214	0.76	1252	12460	9470	0.76	1322
82	72	15260	9766	0.64	1240	14280	9139	0.64	1310	13300	8512	0.64	1357
82	75	16100	8372	0.52	1287	15120	7862	0.52	1346	14280	7426	0.52	1404
82	79	16940	6776	0.40	1334	15960	6384	0.40	1392	14980	5992	0.40	1451
84	64	13720	12622	0.92	1147	12600	11592	0.92	1217	11620	10690	0.92	1264
84	68	14420	11536	0.80	1193	13440	10752	0.80	1252	12460	9968	0.80	1322
84	72	15260	10377	0.68	1240	14280	9710	0.68	1310	13300	9044	0.68	1357
84	75	16100	9016	0.56	1287	15120	8467	0.56	1346	14280	7997	0.56	1404
84	79	16940	7454	0.44	1334	15960	7022	0.44	1392	14980	6591	0.44	1451
86	64	13720	13171	0.96	1147	12600	12096	0.96	1217	11620	11155	0.96	1264
86	68	14420	12113	0.84	1193	13440	11290	0.84	1252	12460	10466	0.84	1322
86	72	15260	10987	0.72	1240	14280	10282	0.72	1310	13300	9576	0.72	1357
86	75	16100	9660	0.60	1287	15120	9072	0.60	1346	14280	8568	0.60	1404
86	79	16940	8131	0.48	1334	15960	7661	0.48	1392	14980	7190	0.48	1451
88	64	13720	13720	1.00	1147	12600	12600	1.00	1217	11620	11620	1.00	1264
88	68	14420	12690	0.88	1193	13440	11827	0.88	1252	12460	10965	0.88	1322
88	72	15260	11598	0.76	1240	14280	10853	0.76	1310	13300	10108	0.76	1357
88	75	16100	10304	0.64	1287	15120	9677	0.64	1346	14280	9139	0.64	1404
88	79	16940	8809	0.52	1334	15960	8299	0.52	1392	14980	7790	0.52	1451
90	64	13720	13720	1.00	1147	12600	12600	1.00	1217	11620	11620	1.00	1264
90	68	14420	13266	0.92	1193	13440	12365	0.92	1252	12460	11463	0.92	1322
90	72	15260	12208	0.80	1240	14280	11424	0.80	1310	13300	10640	0.80	1357
90	75	16100	10948	0.68	1287	15120	10282	0.68	1346	14280	9710	0.68	1404
90	79	16940	9486	0.56	1334	15960	8938	0.56	1392	14980	8389	0.56	1451

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

COOLING CAPACITY

MSZ-HM18NA: MUZ-HM18NA MUZ-HM18NAH

CAPACITY (Btu/h): 17200 INPUT (W): 1640 SHF: 0.86

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	20210	13743	0.68	1312	19350	13158	0.68	1378	18576	12632	0.68	1443	17888	12164	0.68	1509
70	68	21070	11799	0.56	1378	20210	11318	0.56	1460	19608	10980	0.56	1492	18920	10595	0.56	1558
72	64	20210	14551	0.72	1312	19350	13932	0.72	1378	18576	13375	0.72	1443	17888	12879	0.72	1509
72	68	21070	12642	0.60	1378	20210	12126	0.60	1460	19608	11765	0.60	1492	18920	11352	0.60	1558
72	72	21930	10526	0.48	1427	21156	10155	0.48	1517	20640	9907	0.48	1558	19780	9494	0.48	1624
73	64	20210	15360	0.76	1312	19350	14706	0.76	1378	18576	14118	0.76	1443	17888	13595	0.76	1509
73	68	21070	13485	0.64	1378	20210	12934	0.64	1460	19608	12549	0.64	1492	18920	12109	0.64	1558
73	72	21930	11404	0.52	1427	21156	11001	0.52	1517	20640	10733	0.52	1558	19780	10286	0.52	1624
75	64	20210	16168	0.80	1312	19350	15480	0.80	1378	18576	14861	0.80	1443	17888	14310	0.80	1509
75	68	21070	14328	0.68	1378	20210	13743	0.68	1460	19608	13333	0.68	1492	18920	12866	0.68	1558
75	72	21930	12281	0.56	1427	21156	11847	0.56	1517	20640	11558	0.56	1558	19780	11077	0.56	1624
75	75	23048	10141	0.44	1492	22188	9763	0.44	1574	21672	9536	0.44	1624	20984	9233	0.44	1706
77	64	20210	16976	0.84	1312	19350	16254	0.84	1378	18576	15604	0.84	1443	17888	15026	0.84	1509
77	68	21070	15170	0.72	1378	20210	14551	0.72	1460	19608	14118	0.72	1492	18920	13622	0.72	1558
77	72	21930	13158	0.60	1427	21156	12694	0.60	1517	20640	12384	0.60	1558	19780	11868	0.60	1624
77	75	23048	11063	0.48	1492	22188	10650	0.48	1574	21672	10403	0.48	1624	20984	10072	0.48	1706
79	64	20210	17785	0.88	1312	19350	17028	0.88	1378	18576	16347	0.88	1443	17888	15741	0.88	1509
79	68	21070	16013	0.76	1378	20210	15360	0.76	1460	19608	14902	0.76	1492	18920	14379	0.76	1558
79	72	21930	14035	0.64	1427	21156	13540	0.64	1517	20640	13210	0.64	1558	19780	12659	0.64	1624
79	75	23048	11985	0.52	1492	22188	11538	0.52	1574	21672	11269	0.52	1624	20984	10912	0.52	1706
79	79	23736	9494	0.40	1574	23048	9219	0.40	1656	22704	9082	0.40	1706	22016	8806	0.40	1755
81	64	20210	18593	0.92	1312	19350	17802	0.92	1378	18576	17090	0.92	1443	17888	16457	0.92	1509
81	68	21070	16856	0.80	1378	20210	16168	0.80	1460	19608	15686	0.80	1492	18920	15136	0.80	1558
81	72	21930	14912	0.68	1427	21156	14386	0.68	1517	20640	14035	0.68	1558	19780	13450	0.68	1624
81	75	23048	12907	0.56	1492	22188	12425	0.56	1574	21672	12136	0.56	1624	20984	11751	0.56	1706
81	79	23736	10444	0.44	1574	23048	10141	0.44	1656	22704	9990	0.44	1706	22016	9687	0.44	1755
82	64	20210	19402	0.96	1312	19350	18576	0.96	1378	18576	17833	0.96	1443	17888	17172	0.96	1509
82	68	21070	17699	0.84	1378	20210	16976	0.84	1460	19608	16471	0.84	1492	18920	15893	0.84	1558
82	72	21930	15790	0.72	1427	21156	15232	0.72	1517	20640	14861	0.72	1558	19780	14242	0.72	1624
82	75	23048	13829	0.60	1492	22188	13313	0.60	1574	21672	13003	0.60	1624	20984	12590	0.60	1706
82	79	23736	11393	0.48	1574	23048	11063	0.48	1656	22704	10898	0.48	1706	22016	10568	0.48	1755
84	64	20210	20210	1.00	1312	19350	19350	1.00	1378	18576	18576	1.00	1443	17888	17888	1.00	1509
84	68	21070	18542	0.88	1378	20210	17785	0.88	1460	19608	17255	0.88	1492	18920	16650	0.88	1558
84	72	21930	16667	0.76	1427	21156	16079	0.76	1517	20640	15686	0.76	1558	19780	15033	0.76	1624
84	75	23048	14751	0.64	1492	22188	14200	0.64	1574	21672	13870	0.64	1624	20984	13430	0.64	1706
84	79	23736	12343	0.52	1574	23048	11985	0.52	1656	22704	11806	0.52	1706	22016	11448	0.52	1755
86	64	20210	20210	1.00	1312	19350	19350	1.00	1378	18576	18576	1.00	1443	17888	17888	1.00	1509
86	68	21070	19384	0.92	1378	20210	18593	0.92	1460	19608	18039	0.92	1492	18920	17406	0.92	1558
86	72	21930	17544	0.80	1427	21156	16925	0.80	1517	20640	16512	0.80	1558	19780	15824	0.80	1624
86	75	23048	15673	0.68	1492	22188	15088	0.68	1574	21672	14737	0.68	1624	20984	14269	0.68	1706
86	79	23736	13292	0.56	1574	23048	12907	0.56	1656	22704	12714	0.56	1706	22016	12329	0.56	1755
88	64	20210	20210	1.00	1312	19350	19350	1.00	1378	18576	18576	1.00	1443	17888	17888	1.00	1509
88	68	21070	20227	0.96	1378	20210	19402	0.96	1460	19608	18824	0.96	1492	18920	18163	0.96	1558
88	72	21930	18421	0.84	1427	21156	17771	0.84	1517	20640	17338	0.84	1558	19780	16615	0.84	1624
88	75	23048	16595	0.72	1492	22188	15975	0.72	1574	21672	15604	0.72	1624	20984	15108	0.72	1706
88	79	23736	14242	0.60	1574	23048	13829	0.60	1656	22704	13622	0.60	1706	22016	13210	0.60	1755
90	64	20210	20210	1.00	1312	19350	19350	1.00	1378	18576	18576	1.00	1443	17888	17888	1.00	1509
90	68	21070	21070	1.00	1378	20210	20210	1.00	1460	19608	19608	1.00	1492	18920	18920	1.00	1558
90	72	21930	19298	0.88	1427	21156	18617	0.88	1517	20640	18163	0.88	1558	19780	17406	0.88	1624
90	75	23048	17516	0.76	1492	22188	16863	0.76	1574	21672	16471	0.76	1624	20984	15948	0.76	1706
90	79	23736	15191	0.64	1574	23048	14751	0.64	1656	22704	14531	0.64	1706	22016	14090	0.64	1755

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

COOLING CAPACITY

MSZ-HM18NA: MUZ-HM18NA MUZ-HM18NAH

CAPACITY (Btu/h): 17200 INPUT (W): 1640 SHF: 0.86

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	16856	11462	0.68	1607	15480	10526	0.68	1706	14276	9708	0.68	1771
70	68	17716	9921	0.56	1673	16512	9247	0.56	1755	15308	8572	0.56	1853
72	64	16856	12136	0.72	1607	15480	11146	0.72	1706	14276	10279	0.72	1771
72	68	17716	10630	0.60	1673	16512	9907	0.60	1755	15308	9185	0.60	1853
72	72	18748	8999	0.48	1738	17544	8421	0.48	1837	16340	7843	0.48	1902
73	64	16856	12811	0.76	1607	15480	11765	0.76	1706	14276	10850	0.76	1771
73	68	17716	11338	0.64	1673	16512	10568	0.64	1755	15308	9797	0.64	1853
73	72	18748	9749	0.52	1738	17544	9123	0.52	1837	16340	8497	0.52	1902
75	64	16856	13485	0.80	1607	15480	12384	0.80	1706	14276	11421	0.80	1771
75	68	17716	12047	0.68	1673	16512	11228	0.68	1755	15308	10409	0.68	1853
75	72	18748	10499	0.56	1738	17544	9825	0.56	1837	16340	9150	0.56	1902
75	75	19780	8703	0.44	1804	18576	8173	0.44	1886	17544	7719	0.44	1968
77	64	16856	14159	0.84	1607	15480	13003	0.84	1706	14276	11992	0.84	1771
77	68	17716	12756	0.72	1673	16512	11889	0.72	1755	15308	11022	0.72	1853
77	72	18748	11249	0.60	1738	17544	10526	0.60	1837	16340	9804	0.60	1902
77	75	19780	9494	0.48	1804	18576	8916	0.48	1886	17544	8421	0.48	1968
79	64	16856	14833	0.88	1607	15480	13622	0.88	1706	14276	12563	0.88	1771
79	68	17716	13464	0.76	1673	16512	12549	0.76	1755	15308	11634	0.76	1853
79	72	18748	11999	0.64	1738	17544	11228	0.64	1837	16340	10458	0.64	1902
79	75	19780	10286	0.52	1804	18576	9660	0.52	1886	17544	9123	0.52	1968
79	79	20812	8325	0.40	1870	19608	7843	0.40	1952	18404	7362	0.40	2034
81	64	16856	15508	0.92	1607	15480	14242	0.92	1706	14276	13134	0.92	1771
81	68	17716	14173	0.80	1673	16512	13210	0.80	1755	15308	12246	0.80	1853
81	72	18748	12749	0.68	1738	17544	11930	0.68	1837	16340	11111	0.68	1902
81	75	19780	11077	0.56	1804	18576	10403	0.56	1886	17544	9825	0.56	1968
81	79	20812	9157	0.44	1870	19608	8628	0.44	1952	18404	8098	0.44	2034
82	64	16856	16182	0.96	1607	15480	14861	0.96	1706	14276	13705	0.96	1771
82	68	17716	14881	0.84	1673	16512	13870	0.84	1755	15308	12859	0.84	1853
82	72	18748	13499	0.72	1738	17544	12632	0.72	1837	16340	11765	0.72	1902
82	75	19780	11868	0.60	1804	18576	11146	0.60	1886	17544	10526	0.60	1968
82	79	20812	9990	0.48	1870	19608	9412	0.48	1952	18404	8834	0.48	2034
84	64	16856	16856	1.00	1607	15480	15480	1.00	1706	14276	14276	1.00	1771
84	68	17716	15590	0.88	1673	16512	14531	0.88	1755	15308	13471	0.88	1853
84	72	18748	14248	0.76	1738	17544	13333	0.76	1837	16340	12418	0.76	1902
84	75	19780	12659	0.64	1804	18576	11889	0.64	1886	17544	11228	0.64	1968
84	79	20812	10822	0.52	1870	19608	10196	0.52	1952	18404	9570	0.52	2034
86	64	16856	16856	1.00	1607	15480	15480	1.00	1706	14276	14276	1.00	1771
86	68	17716	16299	0.92	1673	16512	15191	0.92	1755	15308	14083	0.92	1853
86	72	18748	14998	0.80	1738	17544	14035	0.80	1837	16340	13072	0.80	1902
86	75	19780	13450	0.68	1804	18576	12632	0.68	1886	17544	11930	0.68	1968
86	79	20812	11655	0.56	1870	19608	10980	0.56	1952	18404	10306	0.56	2034
88	64	16856	16856	1.00	1607	15480	15480	1.00	1706	14276	14276	1.00	1771
88	68	17716	17007	0.96	1673	16512	15852	0.96	1755	15308	14696	0.96	1853
88	72	18748	15748	0.84	1738	17544	14737	0.84	1837	16340	13726	0.84	1902
88	75	19780	14242	0.72	1804	18576	13375	0.72	1886	17544	12632	0.72	1968
88	79	20812	12487	0.60	1870	19608	11765	0.60	1952	18404	11042	0.60	2034
90	64	16856	16856	1.00	1607	15480	15480	1.00	1706	14276	14276	1.00	1771
90	68	17716	17716	1.00	1673	16512	16512	1.00	1755	15308	15308	1.00	1853
90	72	18748	16498	0.88	1738	17544	15439	0.88	1837	16340	14379	0.88	1902
90	75	19780	15033	0.76	1804	18576	14118	0.76	1886	17544	13333	0.76	1968
90	79	20812	13320	0.64	1870	19608	12549	0.64	1952	18404	11779	0.64	2034

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

COOLING CAPACITY

MSZ-HM24NA: MUZ-HM24NA MUZ-HM24NAH

CAPACITY (Btu/h): 22500 INPUT (W): 2630 SHF: 0.89

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	26438	18771	0.71	2104	25313	17972	0.71	2209	24300	17253	0.71	2314	23400	16614	0.71	2420
70	68	27563	16262	0.59	2209	26438	15598	0.59	2341	25650	15134	0.59	2393	24750	14603	0.59	2499
72	64	26438	19828	0.75	2104	25313	18984	0.75	2209	24300	18225	0.75	2314	23400	17550	0.75	2420
72	68	27563	17364	0.63	2209	26438	16656	0.63	2341	25650	16160	0.63	2393	24750	15593	0.63	2499
72	72	28688	14631	0.51	2288	27675	14114	0.51	2433	27000	13770	0.51	2499	25875	13196	0.51	2604
73	64	26438	20886	0.79	2104	25313	19997	0.79	2209	24300	19197	0.79	2314	23400	18486	0.79	2420
73	68	27563	18467	0.67	2209	26438	17713	0.67	2341	25650	17186	0.67	2393	24750	16583	0.67	2499
73	72	28688	15778	0.55	2288	27675	15221	0.55	2433	27000	14850	0.55	2499	25875	14231	0.55	2604
75	64	26438	21943	0.83	2104	25313	21009	0.83	2209	24300	20169	0.83	2314	23400	19422	0.83	2420
75	68	27563	19569	0.71	2209	26438	18771	0.71	2341	25650	18212	0.71	2393	24750	17573	0.71	2499
75	72	28688	16926	0.59	2288	27675	16328	0.59	2433	27000	15930	0.59	2499	25875	15266	0.59	2604
75	75	30150	14171	0.47	2393	29025	13642	0.47	2525	28350	13325	0.47	2604	27450	12902	0.47	2735
77	64	26438	23001	0.87	2104	25313	22022	0.87	2209	24300	21141	0.87	2314	23400	20358	0.87	2420
77	68	27563	20672	0.75	2209	26438	19828	0.75	2341	25650	19238	0.75	2393	24750	18563	0.75	2499
77	72	28688	18073	0.63	2288	27675	17435	0.63	2433	27000	17010	0.63	2499	25875	16301	0.63	2604
77	75	30150	15377	0.51	2393	29025	14803	0.51	2525	28350	14459	0.51	2604	27450	14000	0.51	2735
79	64	26438	24058	0.91	2104	25313	23034	0.91	2209	24300	22113	0.91	2314	23400	21294	0.91	2420
79	68	27563	21774	0.79	2209	26438	20886	0.79	2341	25650	20264	0.79	2393	24750	19553	0.79	2499
79	72	28688	19221	0.67	2288	27675	18542	0.67	2433	27000	18090	0.67	2499	25875	17336	0.67	2604
79	75	30150	16583	0.55	2393	29025	15964	0.55	2525	28350	15593	0.55	2604	27450	15098	0.55	2735
79	79	31050	13352	0.43	2525	30150	12965	0.43	2656	29700	12771	0.43	2735	28800	12384	0.43	2814
81	64	26438	25116	0.95	2104	25313	24047	0.95	2209	24300	23085	0.95	2314	23400	22230	0.95	2420
81	68	27563	22877	0.83	2209	26438	21943	0.83	2341	25650	21290	0.83	2393	24750	20543	0.83	2499
81	72	28688	20368	0.71	2288	27675	19649	0.71	2433	27000	19170	0.71	2499	25875	18371	0.71	2604
81	75	30150	17789	0.59	2393	29025	17125	0.59	2525	28350	16727	0.59	2604	27450	16196	0.59	2735
81	79	31050	14594	0.47	2525	30150	14171	0.47	2656	29700	13959	0.47	2735	28800	13536	0.47	2814
82	64	26438	26173	0.99	2104	25313	25059	0.99	2209	24300	24057	0.99	2314	23400	23166	0.99	2420
82	68	27563	23979	0.87	2209	26438	23001	0.87	2341	25650	22316	0.87	2393	24750	21533	0.87	2499
82	72	28688	21516	0.75	2288	27675	20756	0.75	2433	27000	20250	0.75	2499	25875	19406	0.75	2604
82	75	30150	18995	0.63	2393	29025	18286	0.63	2525	28350	17861	0.63	2604	27450	17294	0.63	2735
82	79	31050	15836	0.51	2525	30150	15377	0.51	2656	29700	15147	0.51	2735	28800	14688	0.51	2814
84	64	26438	26438	1.00	2104	25313	25313	1.00	2209	24300	24300	1.00	2314	23400	23400	1.00	2420
84	68	27563	25082	0.91	2209	26438	24058	0.91	2341	25650	23342	0.91	2393	24750	22523	0.91	2499
84	72	28688	22663	0.79	2288	27675	21863	0.79	2433	27000	21330	0.79	2499	25875	20441	0.79	2604
84	75	30150	20201	0.67	2393	29025	19447	0.67	2525	28350	18995	0.67	2604	27450	18392	0.67	2735
84	79	31050	17078	0.55	2525	30150	16583	0.55	2656	29700	16335	0.55	2735	28800	15840	0.55	2814
86	64	26438	26438	1.00	2104	25313	25313	1.00	2209	24300	24300	1.00	2314	23400	23400	1.00	2420
86	68	27563	26184	0.95	2209	26438	25116	0.95	2341	25650	24368	0.95	2393	24750	23513	0.95	2499
86	72	28688	23811	0.83	2288	27675	22970	0.83	2433	27000	22410	0.83	2499	25875	21476	0.83	2604
86	75	30150	21407	0.71	2393	29025	20608	0.71	2525	28350	20129	0.71	2604	27450	19490	0.71	2735
86	79	31050	18320	0.59	2525	30150	17789	0.59	2656	29700	17523	0.59	2735	28800	16992	0.59	2814
88	64	26438	26438	1.00	2104	25313	25313	1.00	2209	24300	24300	1.00	2314	23400	23400	1.00	2420
88	68	27563	27287	0.99	2209	26438	26173	0.99	2341	25650	25394	0.99	2393	24750	24503	0.99	2499
88	72	28688	24958	0.87	2288	27675	24077	0.87	2433	27000	23490	0.87	2499	25875	22511	0.87	2604
88	75	30150	22613	0.75	2393	29025	21769	0.75	2525	28350	21263	0.75	2604	27450	20588	0.75	2735
88	79	31050	19562	0.63	2525	30150	18995	0.63	2656	29700	18711	0.63	2735	28800	18144	0.63	2814
90	64	26438	26438	1.00	2104	25313	25313	1.00	2209	24300	24300	1.00	2314	23400	23400	1.00	2420
90	68	27563	27563	1.00	2209	26438	26438	1.00	2341	25650	25650	1.00	2393	24750	24750	1.00	2499
90	72	28688	26106	0.91	2288	27675	25184	0.91	2433	27000	24570	0.91	2499	25875	23546	0.91	2604
90	75	30150	23819	0.79	2393	29025	22930	0.79	2525	28350	22397	0.79	2604	27450	21686	0.79	2735
90	79	31050	20804	0.67	2525	30150	20201	0.67	2656	29700	19899	0.67	2735	28800	19296	0.67	2814

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

COOLING CAPACITY

MSZ-HM24NA: MUZ-HM24NA MUZ-HM24NAH

CAPACITY (Btu/h): 22500 INPUT (W): 2630 SHF: 0.89

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	22050	15656	0.71	2577	20250	14378	0.71	2735	18675	13259	0.71	2840
70	68	23175	13673	0.59	2683	21600	12744	0.59	2814	20025	11815	0.59	2972
72	64	22050	16538	0.75	2577	20250	15188	0.75	2735	18675	14006	0.75	2840
72	68	23175	14600	0.63	2683	21600	13608	0.63	2814	20025	12616	0.63	2972
72	72	24525	12508	0.51	2788	22950	11705	0.51	2946	21375	10901	0.51	3051
73	64	22050	17420	0.79	2577	20250	15998	0.79	2735	18675	14753	0.79	2840
73	68	23175	15527	0.67	2683	21600	14472	0.67	2814	20025	13417	0.67	2972
73	72	24525	13489	0.55	2788	22950	12623	0.55	2946	21375	11756	0.55	3051
75	64	22050	18302	0.83	2577	20250	16808	0.83	2735	18675	15500	0.83	2840
75	68	23175	16454	0.71	2683	21600	15336	0.71	2814	20025	14218	0.71	2972
75	72	24525	14470	0.59	2788	22950	13541	0.59	2946	21375	12611	0.59	3051
75	75	25875	12161	0.47	2893	24300	11421	0.47	3025	22950	10787	0.47	3156
77	64	22050	19184	0.87	2577	20250	17618	0.87	2735	18675	16247	0.87	2840
77	68	23175	17381	0.75	2683	21600	16200	0.75	2814	20025	15019	0.75	2972
77	72	24525	15451	0.63	2788	22950	14459	0.63	2946	21375	13466	0.63	3051
77	75	25875	13196	0.51	2893	24300	12393	0.51	3025	22950	11705	0.51	3156
79	64	22050	20066	0.91	2577	20250	18428	0.91	2735	18675	16994	0.91	2840
79	68	23175	18308	0.79	2683	21600	17064	0.79	2814	20025	15820	0.79	2972
79	72	24525	16432	0.67	2788	22950	15377	0.67	2946	21375	14321	0.67	3051
79	75	25875	14231	0.55	2893	24300	13365	0.55	3025	22950	12623	0.55	3156
79	79	27225	11707	0.43	2998	25650	11030	0.43	3130	24075	10352	0.43	3261
81	64	22050	20948	0.95	2577	20250	19238	0.95	2735	18675	17741	0.95	2840
81	68	23175	19235	0.83	2683	21600	17928	0.83	2814	20025	16621	0.83	2972
81	72	24525	17413	0.71	2788	22950	16295	0.71	2946	21375	15176	0.71	3051
81	75	25875	15266	0.59	2893	24300	14337	0.59	3025	22950	13541	0.59	3156
81	79	27225	12796	0.47	2998	25650	12056	0.47	3130	24075	11315	0.47	3261
82	64	22050	21830	0.99	2577	20250	20048	0.99	2735	18675	18488	0.99	2840
82	68	23175	20162	0.87	2683	21600	18792	0.87	2814	20025	17422	0.87	2972
82	72	24525	18394	0.75	2788	22950	17213	0.75	2946	21375	16031	0.75	3051
82	75	25875	16301	0.63	2893	24300	15309	0.63	3025	22950	14459	0.63	3156
82	79	27225	13885	0.51	2998	25650	13082	0.51	3130	24075	12278	0.51	3261
84	64	22050	22050	1.00	2577	20250	20250	1.00	2735	18675	18675	1.00	2840
84	68	23175	21089	0.91	2683	21600	19656	0.91	2814	20025	18223	0.91	2972
84	72	24525	19375	0.79	2788	22950	18131	0.79	2946	21375	16886	0.79	3051
84	75	25875	17336	0.67	2893	24300	16281	0.67	3025	22950	15377	0.67	3156
84	79	27225	14974	0.55	2998	25650	14108	0.55	3130	24075	13241	0.55	3261
86	64	22050	22050	1.00	2577	20250	20250	1.00	2735	18675	18675	1.00	2840
86	68	23175	22016	0.95	2683	21600	20520	0.95	2814	20025	19024	0.95	2972
86	72	24525	20356	0.83	2788	22950	19049	0.83	2946	21375	17741	0.83	3051
86	75	25875	18371	0.71	2893	24300	17253	0.71	3025	22950	16295	0.71	3156
86	79	27225	16063	0.59	2998	25650	15134	0.59	3130	24075	14204	0.59	3261
88	64	22050	22050	1.00	2577	20250	20250	1.00	2735	18675	18675	1.00	2840
88	68	23175	22943	0.99	2683	21600	21384	0.99	2814	20025	19825	0.99	2972
88	72	24525	21337	0.87	2788	22950	19967	0.87	2946	21375	18596	0.87	3051
88	75	25875	19406	0.75	2893	24300	18225	0.75	3025	22950	17213	0.75	3156
88	79	27225	17152	0.63	2998	25650	16160	0.63	3130	24075	15167	0.63	3261
90	64	22050	22050	1.00	2577	20250	20250	1.00	2735	18675	18675	1.00	2840
90	68	23175	23175	1.00	2683	21600	21600	1.00	2814	20025	20025	1.00	2972
90	72	24525	22318	0.91	2788	22950	20885	0.91	2946	21375	19451	0.91	3051
90	75	25875	20441	0.79	2893	24300	19197	0.79	3025	22950	18131	0.79	3156
90	79	27225	18241	0.67	2998	25650	17186	0.67	3130	24075	16130	0.67	3261

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

COOLING CAPACITY

MSZ-WR09NA: MUZ-WR09NA

CAPACITY (Btu/h): 9000 INPUT (W): 820 SHF: 0.82

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	10575	6768	0.64	656	10125	6480	0.64	689	9720	6221	0.64	722	9360	5990	0.64	754
70	68	11025	5733	0.52	689	10575	5499	0.52	730	10260	5335	0.52	746	9900	5148	0.52	779
72	64	10575	7191	0.68	656	10125	6885	0.68	689	9720	6610	0.68	722	9360	6365	0.68	754
72	68	11025	6174	0.56	689	10575	5922	0.56	730	10260	5746	0.56	746	9900	5544	0.56	779
72	72	11475	5049	0.44	713	11070	4871	0.44	759	10800	4752	0.44	779	10350	4554	0.44	812
73	64	10575	7614	0.72	656	10125	7290	0.72	689	9720	6998	0.72	722	9360	6739	0.72	754
73	68	11025	6615	0.60	689	10575	6345	0.60	730	10260	6156	0.60	746	9900	5940	0.60	779
73	72	11475	5508	0.48	713	11070	5314	0.48	759	10800	5184	0.48	779	10350	4968	0.48	812
75	64	10575	8037	0.76	656	10125	7695	0.76	689	9720	7387	0.76	722	9360	7114	0.76	754
75	68	11025	7056	0.64	689	10575	6768	0.64	730	10260	6566	0.64	746	9900	6336	0.64	779
75	72	11475	5967	0.52	713	11070	5756	0.52	759	10800	5616	0.52	779	10350	5382	0.52	812
75	75	12060	4824	0.40	746	11610	4644	0.40	787	11340	4536	0.40	812	10980	4392	0.40	853
77	64	10575	8460	0.80	656	10125	8100	0.80	689	9720	7776	0.80	722	9360	7488	0.80	754
77	68	11025	7497	0.68	689	10575	7191	0.68	730	10260	6977	0.68	746	9900	6732	0.68	779
77	72	11475	6426	0.56	713	11070	6199	0.56	759	10800	6048	0.56	779	10350	5796	0.56	812
77	75	12060	5306	0.44	746	11610	5108	0.44	787	11340	4990	0.44	812	10980	4831	0.44	853
79	64	10575	8883	0.84	656	10125	8505	0.84	689	9720	8165	0.84	722	9360	7862	0.84	754
79	68	11025	7938	0.72	689	10575	7614	0.72	730	10260	7387	0.72	746	9900	7128	0.72	779
79	72	11475	6885	0.60	713	11070	6642	0.60	759	10800	6480	0.60	779	10350	6210	0.60	812
79	75	12060	5789	0.48	746	11610	5573	0.48	787	11340	5443	0.48	812	10980	5270	0.48	853
79	79	12420	4471	0.36	787	12060	4342	0.36	828	11880	4277	0.36	853	11520	4147	0.36	877
81	64	10575	9306	0.88	656	10125	8910	0.88	689	9720	8554	0.88	722	9360	8237	0.88	754
81	68	11025	8379	0.76	689	10575	8037	0.76	730	10260	7798	0.76	746	9900	7524	0.76	779
81	72	11475	7344	0.64	713	11070	7085	0.64	759	10800	6912	0.64	779	10350	6624	0.64	812
81	75	12060	6271	0.52	746	11610	6037	0.52	787	11340	5897	0.52	812	10980	5710	0.52	853
81	79	12420	4968	0.40	787	12060	4824	0.40	828	11880	4752	0.40	853	11520	4608	0.40	877
82	64	10575	9729	0.92	656	10125	9315	0.92	689	9720	8942	0.92	722	9360	8611	0.92	754
82	68	11025	8820	0.80	689	10575	8460	0.80	730	10260	8208	0.80	746	9900	7920	0.80	779
82	72	11475	7803	0.68	713	11070	7528	0.68	759	10800	7344	0.68	779	10350	7038	0.68	812
82	75	12060	6754	0.56	746	11610	6502	0.56	787	11340	6350	0.56	812	10980	6149	0.56	853
82	79	12420	5465	0.44	787	12060	5306	0.44	828	11880	5227	0.44	853	11520	5069	0.44	877
84	64	10575	10152	0.96	656	10125	9720	0.96	689	9720	9331	0.96	722	9360	8986	0.96	754
84	68	11025	9261	0.84	689	10575	8883	0.84	730	10260	8618	0.84	746	9900	8316	0.84	779
84	72	11475	8262	0.72	713	11070	7970	0.72	759	10800	7776	0.72	779	10350	7452	0.72	812
84	75	12060	7236	0.60	746	11610	6966	0.60	787	11340	6804	0.60	812	10980	6588	0.60	853
84	79	12420	5962	0.48	787	12060	5789	0.48	828	11880	5702	0.48	853	11520	5530	0.48	877
86	64	10575	10575	1.00	656	10125	10125	1.00	689	9720	9720	1.00	722	9360	9360	1.00	754
86	68	11025	9702	0.88	689	10575	9306	0.88	730	10260	9029	0.88	746	9900	8712	0.88	779
86	72	11475	8721	0.76	713	11070	8413	0.76	759	10800	8208	0.76	779	10350	7866	0.76	812
86	75	12060	7718	0.64	746	11610	7430	0.64	787	11340	7258	0.64	812	10980	7027	0.64	853
86	79	12420	6458	0.52	787	12060	6271	0.52	828	11880	6178	0.52	853	11520	5990	0.52	877
88	64	10575	10575	1.00	656	10125	10125	1.00	689	9720	9720	1.00	722	9360	9360	1.00	754
88	68	11025	10143	0.92	689	10575	9729	0.92	730	10260	9439	0.92	746	9900	9108	0.92	779
88	72	11475	9180	0.80	713	11070	8856	0.80	759	10800	8640	0.80	779	10350	8280	0.80	812
88	75	12060	8201	0.68	746	11610	7895	0.68	787	11340	7711	0.68	812	10980	7466	0.68	853
88	79	12420	6955	0.56	787	12060	6754	0.56	828	11880	6653	0.56	853	11520	6451	0.56	877
90	64	10575	10575	1.00	656	10125	10125	1.00	689	9720	9720	1.00	722	9360	9360	1.00	754
90	68	11025	10584	0.96	689	10575	10152	0.96	730	10260	9850	0.96	746	9900	9504	0.96	779
90	72	11475	9639	0.84	713	11070	9299	0.84	759	10800	9072	0.84	779	10350	8694	0.84	812
90	75	12060	8683	0.72	746	11610	8359	0.72	787	11340	8165	0.72	812	10980	7906	0.72	853
90	79	12420	7452	0.60	787	12060	7236	0.60	828	11880	7128	0.60	853	11520	6912	0.60	877

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

COOLING CAPACITY

MSZ-WR09NA: MUZ-WR09NA

CAPACITY (Btu/h): 9000 INPUT (W): 820 SHF: 0.82

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	8820	5645	0.64	804	8100	5184	0.64	853	7470	4781	0.64	886
70	68	9270	4820	0.52	836	8640	4493	0.52	877	8010	4165	0.52	927
72	64	8820	5998	0.68	804	8100	5508	0.68	853	7470	5080	0.68	886
72	68	9270	5191	0.56	836	8640	4838	0.56	877	8010	4486	0.56	927
72	72	9810	4316	0.44	869	9180	4039	0.44	918	8550	3762	0.44	951
73	64	8820	6350	0.72	804	8100	5832	0.72	853	7470	5378	0.72	886
73	68	9270	5562	0.60	836	8640	5184	0.60	877	8010	4806	0.60	927
73	72	9810	4709	0.48	869	9180	4406	0.48	918	8550	4104	0.48	951
75	64	8820	6703	0.76	804	8100	6156	0.76	853	7470	5677	0.76	886
75	68	9270	5933	0.64	836	8640	5530	0.64	877	8010	5126	0.64	927
75	72	9810	5101	0.52	869	9180	4774	0.52	918	8550	4446	0.52	951
75	75	10350	4140	0.40	902	9720	3888	0.40	943	9180	3672	0.40	984
77	64	8820	7056	0.80	804	8100	6480	0.80	853	7470	5976	0.8	886
77	68	9270	6304	0.68	836	8640	5875	0.68	877	8010	5447	0.68	927
77	72	9810	5494	0.56	869	9180	5141	0.56	918	8550	4788	0.56	951
77	75	10350	4554	0.44	902	9720	4277	0.44	943	9180	4039	0.44	984
79	64	8820	7409	0.84	804	8100	6804	0.84	853	7470	6275	0.84	886
79	68	9270	6674	0.72	836	8640	6221	0.72	877	8010	5767	0.72	927
79	72	9810	5886	0.60	869	9180	5508	0.60	918	8550	5130	0.60	951
79	75	10350	4968	0.48	902	9720	4666	0.48	943	9180	4406	0.48	984
79	79	10890	3920	0.36	935	10260	3694	0.36	976	9630	3467	0.36	1017
81	64	8820	7762	0.88	804	8100	7128	0.88	853	7470	6574	0.88	886
81	68	9270	7045	0.76	836	8640	6566	0.76	877	8010	6088	0.76	927
81	72	9810	6278	0.64	869	9180	5875	0.64	918	8550	5472	0.64	951
81	75	10350	5382	0.52	902	9720	5054	0.52	943	9180	4774	0.52	984
81	79	10890	4356	0.40	935	10260	4104	0.40	976	9630	3852	0.40	1017
82	64	8820	8114	0.92	804	8100	7452	0.92	853	7470	6872	0.92	886
82	68	9270	7416	0.80	836	8640	6912	0.80	877	8010	6408	0.80	927
82	72	9810	6671	0.68	869	9180	6242	0.68	918	8550	5814	0.68	951
82	75	10350	5796	0.56	902	9720	5443	0.56	943	9180	5141	0.56	984
82	79	10890	4792	0.44	935	10260	4514	0.44	976	9630	4237	0.44	1017
84	64	8820	8467	0.96	804	8100	7776	0.96	853	7470	7171	0.96	886
84	68	9270	7787	0.84	836	8640	7258	0.84	877	8010	6728	0.84	927
84	72	9810	7063	0.72	869	9180	6610	0.72	918	8550	6156	0.72	951
84	75	10350	6210	0.60	902	9720	5832	0.60	943	9180	5508	0.60	984
84	79	10890	5227	0.48	935	10260	4925	0.48	976	9630	4622	0.48	1017
86	64	8820	8820	1.00	804	8100	8100	1.00	853	7470	7470	1.00	886
86	68	9270	8158	0.88	836	8640	7603	0.88	877	8010	7049	0.88	927
86	72	9810	7456	0.76	869	9180	6977	0.76	918	8550	6498	0.76	951
86	75	10350	6624	0.64	902	9720	6221	0.64	943	9180	5875	0.64	984
86	79	10890	5663	0.52	935	10260	5335	0.52	976	9630	5008	0.52	1017
88	64	8820	8820	1.00	804	8100	8100	1.00	853	7470	7470	1.00	886
88	68	9270	8528	0.92	836	8640	7949	0.92	877	8010	7369	0.92	927
88	72	9810	7848	0.80	869	9180	7344	0.80	918	8550	6840	0.80	951
88	75	10350	7038	0.68	902	9720	6610	0.68	943	9180	6242	0.68	984
88	79	10890	6098	0.56	935	10260	5746	0.56	976	9630	5393	0.56	1017
90	64	8820	8820	1.00	804	8100	8100	1.00	853	7470	7470	1.00	886
90	68	9270	8899	0.96	836	8640	8294	0.96	877	8010	7690	0.96	927
90	72	9810	8240	0.84	869	9180	7711	0.84	918	8550	7182	0.84	951
90	75	10350	7452	0.72	902	9720	6998	0.72	943	9180	6610	0.72	984
90	79	10890	6534	0.60	935	10260	6156	0.60	976	9630	5778	0.60	1017

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

COOLING CAPACITY

MSZ-WR12NA: MUZ-WR12NA

CAPACITY (Btu/h): 12000 INPUT (W): 1330 SHF: 0.77

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	14100	8319	0.59	1064	13500	7965	0.59	1117	12960	7646	0.59	1170	12480	7363	0.59	1224
70	68	14700	6909	0.47	1117	14100	6627	0.47	1184	13680	6430	0.47	1210	13200	6204	0.47	1264
72	64	14100	8883	0.63	1064	13500	8505	0.63	1117	12960	8165	0.63	1170	12480	7862	0.63	1224
72	68	14700	7497	0.51	1117	14100	7191	0.51	1184	13680	6977	0.51	1210	13200	6732	0.51	1264
72	72	15300	5967	0.39	1157	14760	5756	0.39	1230	14400	5616	0.39	1264	13800	5382	0.39	1317
73	64	14100	9447	0.67	1064	13500	9045	0.67	1117	12960	8683	0.67	1170	12480	8362	0.67	1224
73	68	14700	8085	0.55	1117	14100	7755	0.55	1184	13680	7524	0.55	1210	13200	7260	0.55	1264
73	72	15300	6579	0.43	1157	14760	6347	0.43	1230	14400	6192	0.43	1264	13800	5934	0.43	1317
75	64	14100	10011	0.71	1064	13500	9585	0.71	1117	12960	9202	0.71	1170	12480	8861	0.71	1224
75	68	14700	8673	0.59	1117	14100	8319	0.59	1184	13680	8071	0.59	1210	13200	7788	0.59	1264
75	72	15300	7191	0.47	1157	14760	6937	0.47	1230	14400	6768	0.47	1264	13800	6486	0.47	1317
75	75	16080	5628	0.35	1210	15480	5418	0.35	1277	15120	5292	0.35	1317	14640	5124	0.35	1383
77	64	14100	10575	0.75	1064	13500	10125	0.75	1117	12960	9720	0.75	1170	12480	9360	0.75	1224
77	68	14700	9261	0.63	1117	14100	8883	0.63	1184	13680	8618	0.63	1210	13200	8316	0.63	1264
77	72	15300	7803	0.51	1157	14760	7528	0.51	1230	14400	7344	0.51	1264	13800	7038	0.51	1317
77	75	16080	6271	0.39	1210	15480	6037	0.39	1277	15120	5897	0.39	1317	14640	5710	0.39	1383
79	64	14100	11139	0.79	1064	13500	10665	0.79	1117	12960	10238	0.79	1170	12480	9859	0.79	1224
79	68	14700	9849	0.67	1117	14100	9447	0.67	1184	13680	9166	0.67	1210	13200	8844	0.67	1264
79	72	15300	8415	0.55	1157	14760	8118	0.55	1230	14400	7920	0.55	1264	13800	7590	0.55	1317
79	75	16080	6914	0.43	1210	15480	6656	0.43	1277	15120	6502	0.43	1317	14640	6295	0.43	1383
79	79	16560	5134	0.31	1277	16080	4985	0.31	1343	15840	4910	0.31	1383	15360	4762	0.31	1423
81	64	14100	11703	0.83	1064	13500	11205	0.83	1117	12960	10757	0.83	1170	12480	10358	0.83	1224
81	68	14700	10437	0.71	1117	14100	10011	0.71	1184	13680	9713	0.71	1210	13200	9372	0.71	1264
81	72	15300	9027	0.59	1157	14760	8708	0.59	1230	14400	8496	0.59	1264	13800	8142	0.59	1317
81	75	16080	7558	0.47	1210	15480	7276	0.47	1277	15120	7106	0.47	1317	14640	6881	0.47	1383
81	79	16560	5796	0.35	1277	16080	5628	0.35	1343	15840	5544	0.35	1383	15360	5376	0.35	1423
82	64	14100	12267	0.87	1064	13500	11745	0.87	1117	12960	11275	0.87	1170	12480	10858	0.87	1224
82	68	14700	11025	0.75	1117	14100	10575	0.75	1184	13680	10260	0.75	1210	13200	9900	0.75	1264
82	72	15300	9639	0.63	1157	14760	9299	0.63	1230	14400	9072	0.63	1264	13800	8694	0.63	1317
82	75	16080	8201	0.51	1210	15480	7895	0.51	1277	15120	7711	0.51	1317	14640	7466	0.51	1383
82	79	16560	6458	0.39	1277	16080	6271	0.39	1343	15840	6178	0.39	1383	15360	5990	0.39	1423
84	64	14100	12831	0.91	1064	13500	12285	0.91	1117	12960	11794	0.91	1170	12480	11357	0.91	1224
84	68	14700	11613	0.79	1117	14100	11139	0.79	1184	13680	10807	0.79	1210	13200	10428	0.79	1264
84	72	15300	10251	0.67	1157	14760	9889	0.67	1230	14400	9648	0.67	1264	13800	9246	0.67	1317
84	75	16080	8844	0.55	1210	15480	8514	0.55	1277	15120	8316	0.55	1317	14640	8052	0.55	1383
84	79	16560	7121	0.43	1277	16080	6914	0.43	1343	15840	6811	0.43	1383	15360	6605	0.43	1423
86	64	14100	13395	0.95	1064	13500	12825	0.95	1117	12960	12312	0.95	1170	12480	11856	0.95	1224
86	68	14700	12201	0.83	1117	14100	11703	0.83	1184	13680	11354	0.83	1210	13200	10956	0.83	1264
86	72	15300	10863	0.71	1157	14760	10480	0.71	1230	14400	10224	0.71	1264	13800	9798	0.71	1317
86	75	16080	9487	0.59	1210	15480	9133	0.59	1277	15120	8921	0.59	1317	14640	8638	0.59	1383
86	79	16560	7783	0.47	1277	16080	7558	0.47	1343	15840	7445	0.47	1383	15360	7219	0.47	1423
88	64	14100	13959	0.99	1064	13500	13365	0.99	1117	12960	12830	0.99	1170	12480	12355	0.99	1224
88	68	14700	12789	0.87	1117	14100	12267	0.87	1184	13680	11902	0.87	1210	13200	11484	0.87	1264
88	72	15300	11475	0.75	1157	14760	11070	0.75	1230	14400	10800	0.75	1264	13800	10350	0.75	1317
88	75	16080	10130	0.63	1210	15480	9752	0.63	1277	15120	9526	0.63	1317	14640	9223	0.63	1383
88	79	16560	8446	0.51	1277	16080	8201	0.51	1343	15840	8078	0.51	1383	15360	7834	0.51	1423
90	64	14100	14100	1.00	1064	13500	13500	1.00	1117	12960	12960	1.00	1170	12480	12480	1.00	1224
90	68	14700	13377	0.91	1117	14100	12831	0.91	1184	13680	12449	0.91	1210	13200	12012	0.91	1264
90	72	15300	12087	0.79	1157	14760	11660	0.79	1230	14400	11376	0.79	1264	13800	10902	0.79	1317
90	75	16080	10774	0.67	1210	15480	10372	0.67	1277	15120	10130	0.67	1317	14640	9809	0.67	1383
90	79	16560	9108	0.55	1277	16080	8844	0.55	1343	15840	8712	0.55	1383	15360	8448	0.55	1423

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

COOLING CAPACITY

MSZ-WR12NA: MUZ-WR12NA

CAPACITY (Btu/h): 12000 INPUT (W): 1330 SHF: 0.77

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	11760	6938	0.59	1303	10800	6372	0.59	1383	9960	5876	0.59	1436
70	68	12360	5809	0.47	1357	11520	5414	0.47	1423	10680	5020	0.47	1503
72	64	11760	7409	0.63	1303	10800	6804	0.63	1383	9960	6275	0.63	1436
72	68	12360	6304	0.51	1357	11520	5875	0.51	1423	10680	5447	0.51	1503
72	72	13080	5101	0.39	1410	12240	4774	0.39	1490	11400	4446	0.39	1543
73	64	11760	7879	0.67	1303	10800	7236	0.67	1383	9960	6673	0.67	1436
73	68	12360	6798	0.55	1357	11520	6336	0.55	1423	10680	5874	0.55	1503
73	72	13080	5624	0.43	1410	12240	5263	0.43	1490	11400	4902	0.43	1543
75	64	11760	8350	0.71	1303	10800	7668	0.71	1383	9960	7072	0.71	1436
75	68	12360	7292	0.59	1357	11520	6797	0.59	1423	10680	6301	0.59	1503
75	72	13080	6148	0.47	1410	12240	5753	0.47	1490	11400	5358	0.47	1543
75	75	13800	4830	0.35	1463	12960	4536	0.35	1530	12240	4284	0.35	1596
77	64	11760	8820	0.75	1303	10800	8100	0.75	1383	9960	7470	0.75	1436
77	68	12360	7787	0.63	1357	11520	7258	0.63	1423	10680	6728	0.63	1503
77	72	13080	6671	0.51	1410	12240	6242	0.51	1490	11400	5814	0.51	1543
77	75	13800	5382	0.39	1463	12960	5054	0.39	1530	12240	4774	0.39	1596
79	64	11760	9290	0.79	1303	10800	8532	0.79	1383	9960	7868	0.79	1436
79	68	12360	8281	0.67	1357	11520	7718	0.67	1423	10680	7156	0.67	1503
79	72	13080	7194	0.55	1410	12240	6732	0.55	1490	11400	6270	0.55	1543
79	75	13800	5934	0.43	1463	12960	5573	0.43	1530	12240	5263	0.43	1596
79	79	14520	4501	0.31	1516	13680	4241	0.31	1583	12840	3980	0.31	1649
81	64	11760	9761	0.83	1303	10800	8964	0.83	1383	9960	8267	0.83	1436
81	68	12360	8776	0.71	1357	11520	8179	0.71	1423	10680	7583	0.71	1503
81	72	13080	7717	0.59	1410	12240	7222	0.59	1490	11400	6726	0.59	1543
81	75	13800	6486	0.47	1463	12960	6091	0.47	1530	12240	5753	0.47	1596
81	79	14520	5082	0.35	1516	13680	4788	0.35	1583	12840	4494	0.35	1649
82	64	11760	10231	0.87	1303	10800	9396	0.87	1383	9960	8665	0.87	1436
82	68	12360	9270	0.75	1357	11520	8640	0.75	1423	10680	8010	0.75	1503
82	72	13080	8240	0.63	1410	12240	7711	0.63	1490	11400	7182	0.63	1543
82	75	13800	7038	0.51	1463	12960	6610	0.51	1530	12240	6242	0.51	1596
82	79	14520	5663	0.39	1516	13680	5335	0.39	1583	12840	5008	0.39	1649
84	64	11760	10702	0.91	1303	10800	9828	0.91	1383	9960	9064	0.91	1436
84	68	12360	9764	0.79	1357	11520	9101	0.79	1423	10680	8437	0.79	1503
84	72	13080	8764	0.67	1410	12240	8201	0.67	1490	11400	7638	0.67	1543
84	75	13800	7590	0.55	1463	12960	7128	0.55	1530	12240	6732	0.55	1596
84	79	14520	6244	0.43	1516	13680	5882	0.43	1583	12840	5521	0.43	1649
86	64	11760	11172	0.95	1303	10800	10260	0.95	1383	9960	9462	0.95	1436
86	68	12360	10259	0.83	1357	11520	9562	0.83	1423	10680	8864	0.83	1503
86	72	13080	9287	0.71	1410	12240	8690	0.71	1490	11400	8094	0.71	1543
86	75	13800	8142	0.59	1463	12960	7646	0.59	1530	12240	7222	0.59	1596
86	79	14520	6824	0.47	1516	13680	6430	0.47	1583	12840	6035	0.47	1649
88	64	11760	11642	0.99	1303	10800	10692	0.99	1383	9960	9860	0.99	1436
88	68	12360	10753	0.87	1357	11520	10022	0.87	1423	10680	9292	0.87	1503
88	72	13080	9810	0.75	1410	12240	9180	0.75	1490	11400	8550	0.75	1543
88	75	13800	8694	0.63	1463	12960	8165	0.63	1530	12240	7711	0.63	1596
88	79	14520	7405	0.51	1516	13680	6977	0.51	1583	12840	6548	0.51	1649
90	64	11760	11760	1.00	1303	10800	10800	1.00	1383	9960	9960	1.00	1436
90	68	12360	11248	0.91	1357	11520	10483	0.91	1423	10680	9719	0.91	1503
90	72	13080	10333	0.79	1410	12240	9670	0.79	1490	11400	9006	0.79	1543
90	75	13800	9246	0.67	1463	12960	8683	0.67	1530	12240	8201	0.67	1596
90	79	14520	7986	0.55	1516	13680	7524	0.55	1583	12840	7062	0.55	1649

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

COOLING CAPACITY

MSZ-WR18NA: MUZ-WR18NA

CAPACITY (Btu/h): 17200 INPUT (W): 1720 SHF: 0.86

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	20210	13743	0.68	1376	19350	13158	0.68	1445	18576	12632	0.68	1514	17888	12164	0.68	1582
70	68	21070	11799	0.56	1445	20210	11318	0.56	1531	19608	10980	0.56	1565	18920	10595	0.56	1634
72	64	20210	14551	0.72	1376	19350	13932	0.72	1445	18576	13375	0.72	1514	17888	12879	0.72	1582
72	68	21070	12642	0.60	1445	20210	12126	0.60	1531	19608	11765	0.60	1565	18920	11352	0.60	1634
72	72	21930	10526	0.48	1496	21156	10155	0.48	1591	20640	9907	0.48	1634	19780	9494	0.48	1703
73	64	20210	15360	0.76	1376	19350	14706	0.76	1445	18576	14118	0.76	1514	17888	13595	0.76	1582
73	68	21070	13485	0.64	1445	20210	12934	0.64	1531	19608	12549	0.64	1565	18920	12109	0.64	1634
73	72	21930	11404	0.52	1496	21156	11001	0.52	1591	20640	10733	0.52	1634	19780	10286	0.52	1703
75	64	20210	16168	0.80	1376	19350	15480	0.80	1445	18576	14861	0.80	1514	17888	14310	0.80	1582
75	68	21070	14328	0.68	1445	20210	13743	0.68	1531	19608	13333	0.68	1565	18920	12866	0.68	1634
75	72	21930	12281	0.56	1496	21156	11847	0.56	1591	20640	11558	0.56	1634	19780	11077	0.56	1703
75	75	23048	10141	0.44	1565	22188	9763	0.44	1651	21672	9536	0.44	1703	20984	9233	0.44	1789
77	64	20210	16976	0.84	1376	19350	16254	0.84	1445	18576	15604	0.84	1514	17888	15026	0.84	1582
77	68	21070	15170	0.72	1445	20210	14551	0.72	1531	19608	14118	0.72	1565	18920	13622	0.72	1634
77	72	21930	13158	0.60	1496	21156	12694	0.60	1591	20640	12384	0.60	1634	19780	11868	0.60	1703
77	75	23048	11063	0.48	1565	22188	10650	0.48	1651	21672	10403	0.48	1703	20984	10072	0.48	1789
79	64	20210	17785	0.88	1376	19350	17028	0.88	1445	18576	16347	0.88	1514	17888	15741	0.88	1582
79	68	21070	16013	0.76	1445	20210	15360	0.76	1531	19608	14902	0.76	1565	18920	14379	0.76	1634
79	72	21930	14035	0.64	1496	21156	13540	0.64	1591	20640	13210	0.64	1634	19780	12659	0.64	1703
79	75	23048	11985	0.52	1565	22188	11538	0.52	1651	21672	11269	0.52	1703	20984	10912	0.52	1789
79	79	23736	9494	0.40	1651	23048	9219	0.40	1737	22704	9082	0.40	1789	22016	8806	0.40	1840
81	64	20210	18593	0.92	1376	19350	17802	0.92	1445	18576	17090	0.92	1514	17888	16457	0.92	1582
81	68	21070	16856	0.80	1445	20210	16168	0.80	1531	19608	15686	0.80	1565	18920	15136	0.80	1634
81	72	21930	14912	0.68	1496	21156	14386	0.68	1591	20640	14035	0.68	1634	19780	13450	0.68	1703
81	75	23048	12907	0.56	1565	22188	12425	0.56	1651	21672	12136	0.56	1703	20984	11751	0.56	1789
81	79	23736	10444	0.44	1651	23048	10141	0.44	1737	22704	9990	0.44	1789	22016	9687	0.44	1840
82	64	20210	19402	0.96	1376	19350	18576	0.96	1445	18576	17833	0.96	1514	17888	17172	0.96	1582
82	68	21070	17699	0.84	1445	20210	16976	0.84	1531	19608	16471	0.84	1565	18920	15893	0.84	1634
82	72	21930	15790	0.72	1496	21156	15232	0.72	1591	20640	14861	0.72	1634	19780	14242	0.72	1703
82	75	23048	13829	0.60	1565	22188	13313	0.60	1651	21672	13003	0.60	1703	20984	12590	0.60	1789
82	79	23736	11393	0.48	1651	23048	11063	0.48	1737	22704	10898	0.48	1789	22016	10568	0.48	1840
84	64	20210	20210	1.00	1376	19350	19350	1.00	1445	18576	18576	1.00	1514	17888	17888	1.00	1582
84	68	21070	18542	0.88	1445	20210	17785	0.88	1531	19608	17255	0.88	1565	18920	16650	0.88	1634
84	72	21930	16667	0.76	1496	21156	16079	0.76	1591	20640	15686	0.76	1634	19780	15033	0.76	1703
84	75	23048	14751	0.64	1565	22188	14200	0.64	1651	21672	13870	0.64	1703	20984	13430	0.64	1789
84	79	23736	12343	0.52	1651	23048	11985	0.52	1737	22704	11806	0.52	1789	22016	11448	0.52	1840
86	64	20210	20210	1.00	1376	19350	19350	1.00	1445	18576	18576	1.00	1514	17888	17888	1.00	1582
86	68	21070	19384	0.92	1445	20210	18593	0.92	1531	19608	18039	0.92	1565	18920	17406	0.92	1634
86	72	21930	17544	0.80	1496	21156	16925	0.80	1591	20640	16512	0.80	1634	19780	15824	0.80	1703
86	75	23048	15673	0.68	1565	22188	15088	0.68	1651	21672	14737	0.68	1703	20984	14269	0.68	1789
86	79	23736	13292	0.56	1651	23048	12907	0.56	1737	22704	12714	0.56	1789	22016	12329	0.56	1840
88	64	20210	20210	1.00	1376	19350	19350	1.00	1445	18576	18576	1.00	1514	17888	17888	1.00	1582
88	68	21070	20227	0.96	1445	20210	19402	0.96	1531	19608	18824	0.96	1565	18920	18163	0.96	1634
88	72	21930	18421	0.84	1496	21156	17771	0.84	1591	20640	17338	0.84	1634	19780	16615	0.84	1703
88	75	23048	16595	0.72	1565	22188	15975	0.72	1651	21672	15604	0.72	1703	20984	15108	0.72	1789
88	79	23736	14242	0.60	1651	23048	13829	0.60	1737	22704	13622	0.60	1789	22016	13210	0.60	1840
90	64	20210	20210	1.00	1376	19350	19350	1.00	1445	18576	18576	1.00	1514	17888	17888	1.00	1582
90	68	21070	21070	1.00	1445	20210	20210	1.00	1531	19608	19608	1.00	1565	18920	18920	1.00	1634
90	72	21930	19298	0.88	1496	21156	18617	0.88	1591	20640	18163	0.88	1634	19780	17406	0.88	1703
90	75	23048	17516	0.76	1565	22188	16863	0.76	1651	21672	16471	0.76	1703	20984	15948	0.76	1789
90	79	23736	15191	0.64	1651	23048	14751	0.64	1737	22704	14531	0.64	1789	22016	14090	0.64	1840

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

COOLING CAPACITY

MSZ-WR18NA: MUZ-WR18NA

CAPACITY (Btu/h): 17200 INPUT (W): 1720 SHF: 0.86

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	16856	11462	0.68	1686	15480	10526	0.68	1789	14276	9708	0.68	1858
70	68	17716	9921	0.56	1754	16512	9247	0.56	1840	15308	8572	0.56	1944
72	64	16856	12136	0.72	1686	15480	11146	0.72	1789	14276	10279	0.72	1858
72	68	17716	10630	0.60	1754	16512	9907	0.60	1840	15308	9185	0.60	1944
72	72	18748	8999	0.48	1823	17544	8421	0.48	1926	16340	7843	0.48	1995
73	64	16856	12811	0.76	1686	15480	11765	0.76	1789	14276	10850	0.76	1858
73	68	17716	11338	0.64	1754	16512	10568	0.64	1840	15308	9797	0.64	1944
73	72	18748	9749	0.52	1823	17544	9123	0.52	1926	16340	8497	0.52	1995
75	64	16856	13485	0.80	1686	15480	12384	0.80	1789	14276	11421	0.80	1858
75	68	17716	12047	0.68	1754	16512	11228	0.68	1840	15308	10409	0.68	1944
75	72	18748	10499	0.56	1823	17544	9825	0.56	1926	16340	9150	0.56	1995
75	75	19780	8703	0.44	1892	18576	8173	0.44	1978	17544	7719	0.44	2064
77	64	16856	14159	0.84	1686	15480	13003	0.84	1789	14276	11992	0.84	1858
77	68	17716	12756	0.72	1754	16512	11889	0.72	1840	15308	11022	0.72	1944
77	72	18748	11249	0.60	1823	17544	10526	0.60	1926	16340	9804	0.60	1995
77	75	19780	9494	0.48	1892	18576	8916	0.48	1978	17544	8421	0.48	2064
79	64	16856	14833	0.88	1686	15480	13622	0.88	1789	14276	12563	0.88	1858
79	68	17716	13464	0.76	1754	16512	12549	0.76	1840	15308	11634	0.76	1944
79	72	18748	11999	0.64	1823	17544	11228	0.64	1926	16340	10458	0.64	1995
79	75	19780	10286	0.52	1892	18576	9660	0.52	1978	17544	9123	0.52	2064
79	79	20812	8325	0.40	1961	19608	7843	0.40	2047	18404	7362	0.40	2133
81	64	16856	15508	0.92	1686	15480	14242	0.92	1789	14276	13134	0.92	1858
81	68	17716	14173	0.80	1754	16512	13210	0.80	1840	15308	12246	0.80	1944
81	72	18748	12749	0.68	1823	17544	11930	0.68	1926	16340	11111	0.68	1995
81	75	19780	11077	0.56	1892	18576	10403	0.56	1978	17544	9825	0.56	2064
81	79	20812	9157	0.44	1961	19608	8628	0.44	2047	18404	8098	0.44	2133
82	64	16856	16182	0.96	1686	15480	14861	0.96	1789	14276	13705	0.96	1858
82	68	17716	14881	0.84	1754	16512	13870	0.84	1840	15308	12859	0.84	1944
82	72	18748	13499	0.72	1823	17544	12632	0.72	1926	16340	11765	0.72	1995
82	75	19780	11868	0.60	1892	18576	11146	0.60	1978	17544	10526	0.60	2064
82	79	20812	9990	0.48	1961	19608	9412	0.48	2047	18404	8834	0.48	2133
84	64	16856	16856	1.00	1686	15480	15480	1.00	1789	14276	14276	1.00	1858
84	68	17716	15590	0.88	1754	16512	14531	0.88	1840	15308	13471	0.88	1944
84	72	18748	14248	0.76	1823	17544	13333	0.76	1926	16340	12418	0.76	1995
84	75	19780	12659	0.64	1892	18576	11889	0.64	1978	17544	11228	0.64	2064
84	79	20812	10822	0.52	1961	19608	10196	0.52	2047	18404	9570	0.52	2133
86	64	16856	16856	1.00	1686	15480	15480	1.00	1789	14276	14276	1.00	1858
86	68	17716	16299	0.92	1754	16512	15191	0.92	1840	15308	14083	0.92	1944
86	72	18748	14998	0.80	1823	17544	14035	0.80	1926	16340	13072	0.80	1995
86	75	19780	13450	0.68	1892	18576	12632	0.68	1978	17544	11930	0.68	2064
86	79	20812	11655	0.56	1961	19608	10980	0.56	2047	18404	10306	0.56	2133
88	64	16856	16856	1.00	1686	15480	15480	1.00	1789	14276	14276	1.00	1858
88	68	17716	17007	0.96	1754	16512	15852	0.96	1840	15308	14696	0.96	1944
88	72	18748	15748	0.84	1823	17544	14737	0.84	1926	16340	13726	0.84	1995
88	75	19780	14242	0.72	1892	18576	13375	0.72	1978	17544	12632	0.72	2064
88	79	20812	12487	0.60	1961	19608	11765	0.60	2047	18404	11042	0.60	2133
90	64	16856	16856	1.00	1686	15480	15480	1.00	1789	14276	14276	1.00	1858
90	68	17716	17716	1.00	1754	16512	16512	1.00	1840	15308	15308	1.00	1944
90	72	18748	16498	0.88	1823	17544	15439	0.88	1926	16340	14379	0.88	1995
90	75	19780	15033	0.76	1892	18576	14118	0.76	1978	17544	13333	0.76	2064
90	79	20812	13320	0.64	1961	19608	12549	0.64	2047	18404	11779	0.64	2133

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

COOLING CAPACITY

MSZ-WR24NA: MUZ-WR24NA

CAPACITY (Btu/h): 22500 INPUT (W): 2810 SHF: 0.89

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	26438	18771	0.71	2248	25313	17972	0.71	2360	24300	17253	0.71	2473	23400	16614	0.71	2585
70	68	27563	16262	0.59	2360	26438	15598	0.59	2501	25650	15134	0.59	2557	24750	14603	0.59	2670
72	64	26438	19828	0.75	2248	25313	18984	0.75	2360	24300	18225	0.75	2473	23400	17550	0.75	2585
72	68	27563	17364	0.63	2360	26438	16656	0.63	2501	25650	16160	0.63	2557	24750	15593	0.63	2670
72	72	28688	14631	0.51	2445	27675	14114	0.51	2599	27000	13770	0.51	2670	25875	13196	0.51	2782
73	64	26438	20886	0.79	2248	25313	19997	0.79	2360	24300	19197	0.79	2473	23400	18486	0.79	2585
73	68	27563	18467	0.67	2360	26438	17713	0.67	2501	25650	17186	0.67	2557	24750	16583	0.67	2670
73	72	28688	15778	0.55	2445	27675	15221	0.55	2599	27000	14850	0.55	2670	25875	14231	0.55	2782
75	64	26438	21943	0.83	2248	25313	21009	0.83	2360	24300	20169	0.83	2473	23400	19422	0.83	2585
75	68	27563	19569	0.71	2360	26438	18771	0.71	2501	25650	18212	0.71	2557	24750	17573	0.71	2670
75	72	28688	16926	0.59	2445	27675	16328	0.59	2599	27000	15930	0.59	2670	25875	15266	0.59	2782
75	75	30150	14171	0.47	2557	29025	13642	0.47	2698	28350	13325	0.47	2782	27450	12902	0.47	2922
77	64	26438	23001	0.87	2248	25313	22022	0.87	2360	24300	21141	0.87	2473	23400	20358	0.87	2585
77	68	27563	20672	0.75	2360	26438	19828	0.75	2501	25650	19238	0.75	2557	24750	18563	0.75	2670
77	72	28688	18073	0.63	2445	27675	17435	0.63	2599	27000	17010	0.63	2670	25875	16301	0.63	2782
77	75	30150	15377	0.51	2557	29025	14803	0.51	2698	28350	14459	0.51	2782	27450	14000	0.51	2922
79	64	26438	24058	0.91	2248	25313	23034	0.91	2360	24300	22113	0.91	2473	23400	21294	0.91	2585
79	68	27563	21774	0.79	2360	26438	20886	0.79	2501	25650	20264	0.79	2557	24750	19553	0.79	2670
79	72	28688	19221	0.67	2445	27675	18542	0.67	2599	27000	18090	0.67	2670	25875	17336	0.67	2782
79	75	30150	16583	0.55	2557	29025	15964	0.55	2698	28350	15593	0.55	2782	27450	15098	0.55	2922
79	79	31050	13352	0.43	2698	30150	12965	0.43	2838	29700	12771	0.43	2922	28800	12384	0.43	3007
81	64	26438	25116	0.95	2248	25313	24047	0.95	2360	24300	23085	0.95	2473	23400	22230	0.95	2585
81	68	27563	22877	0.83	2360	26438	21943	0.83	2501	25650	21290	0.83	2557	24750	20543	0.83	2670
81	72	28688	20368	0.71	2445	27675	19649	0.71	2599	27000	19170	0.71	2670	25875	18371	0.71	2782
81	75	30150	17789	0.59	2557	29025	17125	0.59	2698	28350	16727	0.59	2782	27450	16196	0.59	2922
81	79	31050	14594	0.47	2698	30150	14171	0.47	2838	29700	13959	0.47	2922	28800	13536	0.47	3007
82	64	26438	26173	0.99	2248	25313	25059	0.99	2360	24300	24057	0.99	2473	23400	23166	0.99	2585
82	68	27563	23979	0.87	2360	26438	23001	0.87	2501	25650	22316	0.87	2557	24750	21533	0.87	2670
82	72	28688	21516	0.75	2445	27675	20756	0.75	2599	27000	20250	0.75	2670	25875	19406	0.75	2782
82	75	30150	18995	0.63	2557	29025	18286	0.63	2698	28350	17861	0.63	2782	27450	17294	0.63	2922
82	79	31050	15836	0.51	2698	30150	15377	0.51	2838	29700	15147	0.51	2922	28800	14688	0.51	3007
84	64	26438	26438	1.00	2248	25313	25313	1.00	2360	24300	24300	1.00	2473	23400	23400	1.00	2585
84	68	27563	25082	0.91	2360	26438	24058	0.91	2501	25650	23342	0.91	2557	24750	22523	0.91	2670
84	72	28688	22663	0.79	2445	27675	21863	0.79	2599	27000	21330	0.79	2670	25875	20441	0.79	2782
84	75	30150	20201	0.67	2557	29025	19447	0.67	2698	28350	18995	0.67	2782	27450	18392	0.67	2922
84	79	31050	17078	0.55	2698	30150	16583	0.55	2838	29700	16335	0.55	2922	28800	15840	0.55	3007
86	64	26438	26438	1.00	2248	25313	25313	1.00	2360	24300	24300	1.00	2473	23400	23400	1.00	2585
86	68	27563	26184	0.95	2360	26438	25116	0.95	2501	25650	24368	0.95	2557	24750	23513	0.95	2670
86	72	28688	23811	0.83	2445	27675	22970	0.83	2599	27000	22410	0.83	2670	25875	21476	0.83	2782
86	75	30150	21407	0.71	2557	29025	20608	0.71	2698	28350	20129	0.71	2782	27450	19490	0.71	2922
86	79	31050	18320	0.59	2698	30150	17789	0.59	2838	29700	17523	0.59	2922	28800	16992	0.59	3007
88	64	26438	26438	1.00	2248	25313	25313	1.00	2360	24300	24300	1.00	2473	23400	23400	1.00	2585
88	68	27563	27287	0.99	2360	26438	26173	0.99	2501	25650	25394	0.99	2557	24750	24503	0.99	2670
88	72	28688	24958	0.87	2445	27675	24077	0.87	2599	27000	23490	0.87	2670	25875	22511	0.87	2782
88	75	30150	22613	0.75	2557	29025	21769	0.75	2698	28350	21263	0.75	2782	27450	20588	0.75	2922
88	79	31050	19562	0.63	2698	30150	18995	0.63	2838	29700	18711	0.63	2922	28800	18144	0.63	3007
90	64	26438	26438	1.00	2248	25313	25313	1.00	2360	24300	24300	1.00	2473	23400	23400	1.00	2585
90	68	27563	27563	1.00	2360	26438	26438	1.00	2501	25650	25650	1.00	2557	24750	24750	1.00	2670
90	72	28688	26106	0.91	2445	27675	25184	0.91	2599	27000	24570	0.91	2670	25875	23546	0.91	2782
90	75	30150	23819	0.79	2557	29025	22930	0.79	2698	28350	22397	0.79	2782	27450	21686	0.79	2922
90	79	31050	20804	0.67	2698	30150	20201	0.67	2838	29700	19899	0.67	2922	28800	19296	0.67	3007

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

COOLING CAPACITY

MSZ-WR24NA: MUZ-WR24NA

CAPACITY (Btu/h): 22500 INPUT (W): 2810 SHF: 0.89

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	22050	15656	0.71	2754	20250	14378	0.71	2922	18675	13259	0.71	3035
70	68	23175	13673	0.59	2866	21600	12744	0.59	3007	20025	11815	0.59	3175
72	64	22050	16538	0.75	2754	20250	15188	0.75	2922	18675	14006	0.75	3035
72	68	23175	14600	0.63	2866	21600	13608	0.63	3007	20025	12616	0.63	3175
72	72	24525	12508	0.51	2979	22950	11705	0.51	3147	21375	10901	0.51	3260
73	64	22050	17420	0.79	2754	20250	15998	0.79	2922	18675	14753	0.79	3035
73	68	23175	15527	0.67	2866	21600	14472	0.67	3007	20025	13417	0.67	3175
73	72	24525	13489	0.55	2979	22950	12623	0.55	3147	21375	11756	0.55	3260
75	64	22050	18302	0.83	2754	20250	16808	0.83	2922	18675	15500	0.83	3035
75	68	23175	16454	0.71	2866	21600	15336	0.71	3007	20025	14218	0.71	3175
75	72	24525	14470	0.59	2979	22950	13541	0.59	3147	21375	12611	0.59	3260
75	75	25875	12161	0.47	3091	24300	11421	0.47	3232	22950	10787	0.47	3372
77	64	22050	19184	0.87	2754	20250	17618	0.87	2922	18675	16247	0.87	3035
77	68	23175	17381	0.75	2866	21600	16200	0.75	3007	20025	15019	0.75	3175
77	72	24525	15451	0.63	2979	22950	14459	0.63	3147	21375	13466	0.63	3260
77	75	25875	13196	0.51	3091	24300	12393	0.51	3232	22950	11705	0.51	3372
79	64	22050	20066	0.91	2754	20250	18428	0.91	2922	18675	16994	0.91	3035
79	68	23175	18308	0.79	2866	21600	17064	0.79	3007	20025	15820	0.79	3175
79	72	24525	16432	0.67	2979	22950	15377	0.67	3147	21375	14321	0.67	3260
79	75	25875	14231	0.55	3091	24300	13365	0.55	3232	22950	12623	0.55	3372
79	79	27225	11707	0.43	3203	25650	11030	0.43	3344	24075	10352	0.43	3484
81	64	22050	20948	0.95	2754	20250	19238	0.95	2922	18675	17741	0.95	3035
81	68	23175	19235	0.83	2866	21600	17928	0.83	3007	20025	16621	0.83	3175
81	72	24525	17413	0.71	2979	22950	16295	0.71	3147	21375	15176	0.71	3260
81	75	25875	15266	0.59	3091	24300	14337	0.59	3232	22950	13541	0.59	3372
81	79	27225	12796	0.47	3203	25650	12056	0.47	3344	24075	11315	0.47	3484
82	64	22050	21830	0.99	2754	20250	20048	0.99	2922	18675	18488	0.99	3035
82	68	23175	20162	0.87	2866	21600	18792	0.87	3007	20025	17422	0.87	3175
82	72	24525	18394	0.75	2979	22950	17213	0.75	3147	21375	16031	0.75	3260
82	75	25875	16301	0.63	3091	24300	15309	0.63	3232	22950	14459	0.63	3372
82	79	27225	13885	0.51	3203	25650	13082	0.51	3344	24075	12278	0.51	3484
84	64	22050	22050	1.00	2754	20250	20250	1.00	2922	18675	18675	1.00	3035
84	68	23175	21089	0.91	2866	21600	19656	0.91	3007	20025	18223	0.91	3175
84	72	24525	19375	0.79	2979	22950	18131	0.79	3147	21375	16886	0.79	3260
84	75	25875	17336	0.67	3091	24300	16281	0.67	3232	22950	15377	0.67	3372
84	79	27225	14974	0.55	3203	25650	14108	0.55	3344	24075	13241	0.55	3484
86	64	22050	22050	1.00	2754	20250	20250	1.00	2922	18675	18675	1.00	3035
86	68	23175	22016	0.95	2866	21600	20520	0.95	3007	20025	19024	0.95	3175
86	72	24525	20356	0.83	2979	22950	19049	0.83	3147	21375	17741	0.83	3260
86	75	25875	18371	0.71	3091	24300	17253	0.71	3232	22950	16295	0.71	3372
86	79	27225	16063	0.59	3203	25650	15134	0.59	3344	24075	14204	0.59	3484
88	64	22050	22050	1.00	2754	20250	20250	1.00	2922	18675	18675	1.00	3035
88	68	23175	22943	0.99	2866	21600	21384	0.99	3007	20025	19825	0.99	3175
88	72	24525	21337	0.87	2979	22950	19967	0.87	3147	21375	18596	0.87	3260
88	75	25875	19406	0.75	3091	24300	18225	0.75	3232	22950	17213	0.75	3372
88	79	27225	17152	0.63	3203	25650	16160	0.63	3344	24075	15167	0.63	3484
90	64	22050	22050	1.00	2754	20250	20250	1.00	2922	18675	18675	1.00	3035
90	68	23175	23175	1.00	2866	21600	21600	1.00	3007	20025	20025	1.00	3175
90	72	24525	22318	0.91	2979	22950	20885	0.91	3147	21375	19451	0.91	3260
90	75	25875	20441	0.79	3091	24300	19197	0.79	3232	22950	18131	0.79	3372
90	79	27225	18241	0.67	3203	25650	17186	0.67	3344	24075	16130	0.67	3484

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

COOLING CAPACITY

MSZ-JP09WA: MUZ-JP09WA

CAPACITY (Btu/h): 9000 INPUT (W): 750 SHF: 0.82

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	10575	6768	0.64	600	10125	6480	0.64	630	9720	6221	0.64	660	9360	5990	0.64	690
70	68	11025	5733	0.52	630	10575	5499	0.52	668	10260	5335	0.52	683	9900	5148	0.52	713
72	64	10575	7191	0.68	600	10125	6885	0.68	630	9720	6610	0.68	660	9360	6365	0.68	690
72	68	11025	6174	0.56	630	10575	5922	0.56	668	10260	5746	0.56	683	9900	5544	0.56	713
72	72	11475	5049	0.44	653	11070	4871	0.44	694	10800	4752	0.44	713	10350	4554	0.44	743
73	64	10575	7614	0.72	600	10125	7290	0.72	630	9720	6998	0.72	660	9360	6739	0.72	690
73	68	11025	6615	0.60	630	10575	6345	0.60	668	10260	6156	0.60	683	9900	5940	0.60	713
73	72	11475	5508	0.48	653	11070	5314	0.48	694	10800	5184	0.48	713	10350	4968	0.48	743
75	64	10575	8037	0.76	600	10125	7695	0.76	630	9720	7387	0.76	660	9360	7114	0.76	690
75	68	11025	7056	0.64	630	10575	6768	0.64	668	10260	6566	0.64	683	9900	6336	0.64	713
75	72	11475	5967	0.52	653	11070	5756	0.52	694	10800	5616	0.52	713	10350	5382	0.52	743
75	75	12060	4824	0.40	683	11610	4644	0.40	720	11340	4536	0.40	743	10980	4392	0.40	780
77	64	10575	8460	0.80	600	10125	8100	0.80	630	9720	7776	0.80	660	9360	7488	0.80	690
77	68	11025	7497	0.68	630	10575	7191	0.68	668	10260	6977	0.68	683	9900	6732	0.68	713
77	72	11475	6426	0.56	653	11070	6199	0.56	694	10800	6048	0.56	713	10350	5796	0.56	743
77	75	12060	5306	0.44	683	11610	5108	0.44	720	11340	4990	0.44	743	10980	4831	0.44	780
79	64	10575	8883	0.84	600	10125	8505	0.84	630	9720	8165	0.84	660	9360	7862	0.84	690
79	68	11025	7938	0.72	630	10575	7614	0.72	668	10260	7387	0.72	683	9900	7128	0.72	713
79	72	11475	6885	0.60	653	11070	6642	0.60	694	10800	6480	0.60	713	10350	6210	0.60	743
79	75	12060	5789	0.48	683	11610	5573	0.48	720	11340	5443	0.48	743	10980	5270	0.48	780
79	79	12420	4471	0.36	720	12060	4342	0.36	758	11880	4277	0.36	780	11520	4147	0.36	803
81	64	10575	9306	0.88	600	10125	8910	0.88	630	9720	8554	0.88	660	9360	8237	0.88	690
81	68	11025	8379	0.76	630	10575	8037	0.76	668	10260	7798	0.76	683	9900	7524	0.76	713
81	72	11475	7344	0.64	653	11070	7085	0.64	694	10800	6912	0.64	713	10350	6624	0.64	743
81	75	12060	6271	0.52	683	11610	6037	0.52	720	11340	5897	0.52	743	10980	5710	0.52	780
81	79	12420	4968	0.40	720	12060	4824	0.40	758	11880	4752	0.40	780	11520	4608	0.40	803
82	64	10575	9729	0.92	600	10125	9315	0.92	630	9720	8942	0.92	660	9360	8611	0.92	690
82	68	11025	8820	0.80	630	10575	8460	0.80	668	10260	8208	0.80	683	9900	7920	0.80	713
82	72	11475	7803	0.68	653	11070	7528	0.68	694	10800	7344	0.68	713	10350	7038	0.68	743
82	75	12060	6754	0.56	683	11610	6502	0.56	720	11340	6350	0.56	743	10980	6149	0.56	780
82	79	12420	5465	0.44	720	12060	5306	0.44	758	11880	5227	0.44	780	11520	5069	0.44	803
84	64	10575	10152	0.96	600	10125	9720	0.96	630	9720	9331	0.96	660	9360	8986	0.96	690
84	68	11025	9261	0.84	630	10575	8883	0.84	668	10260	8618	0.84	683	9900	8316	0.84	713
84	72	11475	8262	0.72	653	11070	7970	0.72	694	10800	7776	0.72	713	10350	7452	0.72	743
84	75	12060	7236	0.60	683	11610	6966	0.60	720	11340	6804	0.60	743	10980	6588	0.60	780
84	79	12420	5962	0.48	720	12060	5789	0.48	758	11880	5702	0.48	780	11520	5530	0.48	803
86	64	10575	10575	1.00	600	10125	10125	1.00	630	9720	9720	1.00	660	9360	9360	1.00	690
86	68	11025	9702	0.88	630	10575	9306	0.88	668	10260	9029	0.88	683	9900	8712	0.88	713
86	72	11475	8721	0.76	653	11070	8413	0.76	694	10800	8208	0.76	713	10350	7866	0.76	743
86	75	12060	7718	0.64	683	11610	7430	0.64	720	11340	7258	0.64	743	10980	7027	0.64	780
86	79	12420	6458	0.52	720	12060	6271	0.52	758	11880	6178	0.52	780	11520	5990	0.52	803
88	64	10575	10575	1.00	600	10125	10125	1.00	630	9720	9720	1.00	660	9360	9360	1.00	690
88	68	11025	10143	0.92	630	10575	9729	0.92	668	10260	9439	0.92	683	9900	9108	0.92	713
88	72	11475	9180	0.80	653	11070	8856	0.80	694	10800	8640	0.80	713	10350	8280	0.80	743
88	75	12060	8201	0.68	683	11610	7895	0.68	720	11340	7711	0.68	743	10980	7466	0.68	780
88	79	12420	6955	0.56	720	12060	6754	0.56	758	11880	6653	0.56	780	11520	6451	0.56	803
90	64	10575	10575	1.00	600	10125	10125	1.00	630	9720	9720	1.00	660	9360	9360	1.00	690
90	68	11025	10584	0.96	630	10575	10152	0.96	668	10260	9850	0.96	683	9900	9504	0.96	713
90	72	11475	9639	0.84	653	11070	9299	0.84	694	10800	9072	0.84	713	10350	8694	0.84	743
90	75	12060	8683	0.72	683	11610	8359	0.72	720	11340	8165	0.72	743	10980	7906	0.72	780
90	79	12420	7452	0.60	720	12060	7236	0.60	758	11880	7128	0.60	780	11520	6912	0.60	803

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

COOLING CAPACITY

MSZ-JP09WA: MUZ-JP09WA

CAPACITY (Btu/h): 9000 INPUT (W): 750 SHF: 0.82

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	8820	5645	0.64	735	8100	5184	0.64	780	7470	4781	0.64	810
70	68	9270	4820	0.52	765	8640	4493	0.52	803	8010	4165	0.52	848
72	64	8820	5998	0.68	735	8100	5508	0.68	780	7470	5080	0.68	810
72	68	9270	5191	0.56	765	8640	4838	0.56	803	8010	4486	0.56	848
72	72	9810	4316	0.44	795	9180	4039	0.44	840	8550	3762	0.44	870
73	64	8820	6350	0.72	735	8100	5832	0.72	780	7470	5378	0.72	810
73	68	9270	5562	0.60	765	8640	5184	0.60	803	8010	4806	0.60	848
73	72	9810	4709	0.48	795	9180	4406	0.48	840	8550	4104	0.48	870
75	64	8820	6703	0.76	735	8100	6156	0.76	780	7470	5677	0.76	810
75	68	9270	5933	0.64	765	8640	5530	0.64	803	8010	5126	0.64	848
75	72	9810	5101	0.52	795	9180	4774	0.52	840	8550	4446	0.52	870
75	75	10350	4140	0.40	825	9720	3888	0.40	863	9180	3672	0.40	900
77	64	8820	7056	0.80	735	8100	6480	0.80	780	7470	5976	0.8	810
77	68	9270	6304	0.68	765	8640	5875	0.68	803	8010	5447	0.68	848
77	72	9810	5494	0.56	795	9180	5141	0.56	840	8550	4788	0.56	870
77	75	10350	4554	0.44	825	9720	4277	0.44	863	9180	4039	0.44	900
79	64	8820	7409	0.84	735	8100	6804	0.84	780	7470	6275	0.84	810
79	68	9270	6674	0.72	765	8640	6221	0.72	803	8010	5767	0.72	848
79	72	9810	5886	0.60	795	9180	5508	0.60	840	8550	5130	0.60	870
79	75	10350	4968	0.48	825	9720	4666	0.48	863	9180	4406	0.48	900
79	79	10890	3920	0.36	855	10260	3694	0.36	893	9630	3467	0.36	930
81	64	8820	7762	0.88	735	8100	7128	0.88	780	7470	6574	0.88	810
81	68	9270	7045	0.76	765	8640	6566	0.76	803	8010	6088	0.76	848
81	72	9810	6278	0.64	795	9180	5875	0.64	840	8550	5472	0.64	870
81	75	10350	5382	0.52	825	9720	5054	0.52	863	9180	4774	0.52	900
81	79	10890	4356	0.40	855	10260	4104	0.40	893	9630	3852	0.40	930
82	64	8820	8114	0.92	735	8100	7452	0.92	780	7470	6872	0.92	810
82	68	9270	7416	0.80	765	8640	6912	0.80	803	8010	6408	0.80	848
82	72	9810	6671	0.68	795	9180	6242	0.68	840	8550	5814	0.68	870
82	75	10350	5796	0.56	825	9720	5443	0.56	863	9180	5141	0.56	900
82	79	10890	4792	0.44	855	10260	4514	0.44	893	9630	4237	0.44	930
84	64	8820	8467	0.96	735	8100	7776	0.96	780	7470	7171	0.96	810
84	68	9270	7787	0.84	765	8640	7258	0.84	803	8010	6728	0.84	848
84	72	9810	7063	0.72	795	9180	6610	0.72	840	8550	6156	0.72	870
84	75	10350	6210	0.60	825	9720	5832	0.60	863	9180	5508	0.60	900
84	79	10890	5227	0.48	855	10260	4925	0.48	893	9630	4622	0.48	930
86	64	8820	8820	1.00	735	8100	8100	1.00	780	7470	7470	1.00	810
86	68	9270	8158	0.88	765	8640	7603	0.88	803	8010	7049	0.88	848
86	72	9810	7456	0.76	795	9180	6977	0.76	840	8550	6498	0.76	870
86	75	10350	6624	0.64	825	9720	6221	0.64	863	9180	5875	0.64	900
86	79	10890	5663	0.52	855	10260	5335	0.52	893	9630	5008	0.52	930
88	64	8820	8820	1.00	735	8100	8100	1.00	780	7470	7470	1.00	810
88	68	9270	8528	0.92	765	8640	7949	0.92	803	8010	7369	0.92	848
88	72	9810	7848	0.80	795	9180	7344	0.80	840	8550	6840	0.80	870
88	75	10350	7038	0.68	825	9720	6610	0.68	863	9180	6242	0.68	900
88	79	10890	6098	0.56	855	10260	5746	0.56	893	9630	5393	0.56	930
90	64	8820	8820	1.00	735	8100	8100	1.00	780	7470	7470	1.00	810
90	68	9270	8899	0.96	765	8640	8294	0.96	803	8010	7690	0.96	848
90	72	9810	8240	0.84	795	9180	7711	0.84	840	8550	7182	0.84	870
90	75	10350	7452	0.72	825	9720	6998	0.72	863	9180	6610	0.72	900
90	79	10890	6534	0.60	855	10260	6156	0.60	893	9630	5778	0.60	930

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

COOLING CAPACITY

MSZ-JP12WA: MUZ-JP12WA

CAPACITY (Btu/h): 12000 INPUT (W): 1210 SHF: 0.77

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	14100	8319	0.59	968	13500	7965	0.59	1016	12960	7646	0.59	1065	12480	7363	0.59	1113
70	68	14700	6909	0.47	1016	14100	6627	0.47	1077	13680	6430	0.47	1101	13200	6204	0.47	1150
72	64	14100	8883	0.63	968	13500	8505	0.63	1016	12960	8165	0.63	1065	12480	7862	0.63	1113
72	68	14700	7497	0.51	1016	14100	7191	0.51	1077	13680	6977	0.51	1101	13200	6732	0.51	1150
72	72	15300	5967	0.39	1053	14760	5756	0.39	1119	14400	5616	0.39	1150	13800	5382	0.39	1198
73	64	14100	9447	0.67	968	13500	9045	0.67	1016	12960	8683	0.67	1065	12480	8362	0.67	1113
73	68	14700	8085	0.55	1016	14100	7755	0.55	1077	13680	7524	0.55	1101	13200	7260	0.55	1150
73	72	15300	6579	0.43	1053	14760	6347	0.43	1119	14400	6192	0.43	1150	13800	5934	0.43	1198
75	64	14100	10011	0.71	968	13500	9585	0.71	1016	12960	9202	0.71	1065	12480	8861	0.71	1113
75	68	14700	8673	0.59	1016	14100	8319	0.59	1077	13680	8071	0.59	1101	13200	7788	0.59	1150
75	72	15300	7191	0.47	1053	14760	6937	0.47	1119	14400	6768	0.47	1150	13800	6486	0.47	1198
75	75	16080	5628	0.35	1101	15480	5418	0.35	1162	15120	5292	0.35	1198	14640	5124	0.35	1258
77	64	14100	10575	0.75	968	13500	10125	0.75	1016	12960	9720	0.75	1065	12480	9360	0.75	1113
77	68	14700	9261	0.63	1016	14100	8883	0.63	1077	13680	8618	0.63	1101	13200	8316	0.63	1150
77	72	15300	7803	0.51	1053	14760	7528	0.51	1119	14400	7344	0.51	1150	13800	7038	0.51	1198
77	75	16080	6271	0.39	1101	15480	6037	0.39	1162	15120	5897	0.39	1198	14640	5710	0.39	1258
79	64	14100	11139	0.79	968	13500	10665	0.79	1016	12960	10238	0.79	1065	12480	9859	0.79	1113
79	68	14700	9849	0.67	1016	14100	9447	0.67	1077	13680	9166	0.67	1101	13200	8844	0.67	1150
79	72	15300	8415	0.55	1053	14760	8118	0.55	1119	14400	7920	0.55	1150	13800	7590	0.55	1198
79	75	16080	6914	0.43	1101	15480	6656	0.43	1162	15120	6502	0.43	1198	14640	6295	0.43	1258
79	79	16560	5134	0.31	1162	16080	4985	0.31	1222	15840	4910	0.31	1258	15360	4762	0.31	1295
81	64	14100	11703	0.83	968	13500	11205	0.83	1016	12960	10757	0.83	1065	12480	10358	0.83	1113
81	68	14700	10437	0.71	1016	14100	10011	0.71	1077	13680	9713	0.71	1101	13200	9372	0.71	1150
81	72	15300	9027	0.59	1053	14760	8708	0.59	1119	14400	8496	0.59	1150	13800	8142	0.59	1198
81	75	16080	7558	0.47	1101	15480	7276	0.47	1162	15120	7106	0.47	1198	14640	6881	0.47	1258
81	79	16560	5796	0.35	1162	16080	5628	0.35	1222	15840	5544	0.35	1258	15360	5376	0.35	1295
82	64	14100	12267	0.87	968	13500	11745	0.87	1016	12960	11275	0.87	1065	12480	10858	0.87	1113
82	68	14700	11025	0.75	1016	14100	10575	0.75	1077	13680	10260	0.75	1101	13200	9900	0.75	1150
82	72	15300	9639	0.63	1053	14760	9299	0.63	1119	14400	9072	0.63	1150	13800	8694	0.63	1198
82	75	16080	8201	0.51	1101	15480	7895	0.51	1162	15120	7711	0.51	1198	14640	7466	0.51	1258
82	79	16560	6458	0.39	1162	16080	6271	0.39	1222	15840	6178	0.39	1258	15360	5990	0.39	1295
84	64	14100	12831	0.91	968	13500	12285	0.91	1016	12960	11794	0.91	1065	12480	11357	0.91	1113
84	68	14700	11613	0.79	1016	14100	11139	0.79	1077	13680	10807	0.79	1101	13200	10428	0.79	1150
84	72	15300	10251	0.67	1053	14760	9889	0.67	1119	14400	9648	0.67	1150	13800	9246	0.67	1198
84	75	16080	8844	0.55	1101	15480	8514	0.55	1162	15120	8316	0.55	1198	14640	8052	0.55	1258
84	79	16560	7121	0.43	1162	16080	6914	0.43	1222	15840	6811	0.43	1258	15360	6605	0.43	1295
86	64	14100	13395	0.95	968	13500	12825	0.95	1016	12960	12312	0.95	1065	12480	11856	0.95	1113
86	68	14700	12201	0.83	1016	14100	11703	0.83	1077	13680	11354	0.83	1101	13200	10956	0.83	1150
86	72	15300	10863	0.71	1053	14760	10480	0.71	1119	14400	10224	0.71	1150	13800	9798	0.71	1198
86	75	16080	9487	0.59	1101	15480	9133	0.59	1162	15120	8921	0.59	1198	14640	8638	0.59	1258
86	79	16560	7783	0.47	1162	16080	7558	0.47	1222	15840	7445	0.47	1258	15360	7219	0.47	1295
88	64	14100	13959	0.99	968	13500	13365	0.99	1016	12960	12830	0.99	1065	12480	12355	0.99	1113
88	68	14700	12789	0.87	1016	14100	12267	0.87	1077	13680	11902	0.87	1101	13200	11484	0.87	1150
88	72	15300	11475	0.75	1053	14760	11070	0.75	1119	14400	10800	0.75	1150	13800	10350	0.75	1198
88	75	16080	10130	0.63	1101	15480	9752	0.63	1162	15120	9526	0.63	1198	14640	9223	0.63	1258
88	79	16560	8446	0.51	1162	16080	8201	0.51	1222	15840	8078	0.51	1258	15360	7834	0.51	1295
90	64	14100	14100	1.00	968	13500	13500	1.00	1016	12960	12960	1.00	1065	12480	12480	1.00	1113
90	68	14700	13377	0.91	1016	14100	12831	0.91	1077	13680	12449	0.91	1101	13200	12012	0.91	1150
90	72	15300	12087	0.79	1053	14760	11660	0.79	1119	14400	11376	0.79	1150	13800	10902	0.79	1198
90	75	16080	10774	0.67	1101	15480	10372	0.67	1162	15120	10130	0.67	1198	14640	9809	0.67	1258
90	79	16560	9108	0.55	1162	16080	8844	0.55	1222	15840	8712	0.55	1258	15360	8448	0.55	1295

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

COOLING CAPACITY

MSZ-JP12WA: MUZ-JP12WA

CAPACITY (Btu/h): 12000 INPUT (W): 1210 SHF: 0.77

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	11760	6938	0.59	1186	10800	6372	0.59	1258	9960	5876	0.59	1307
70	68	12360	5809	0.47	1234	11520	5414	0.47	1295	10680	5020	0.47	1367
72	64	11760	7409	0.63	1186	10800	6804	0.63	1258	9960	6275	0.63	1307
72	68	12360	6304	0.51	1234	11520	5875	0.51	1295	10680	5447	0.51	1367
72	72	13080	5101	0.39	1283	12240	4774	0.39	1355	11400	4446	0.39	1404
73	64	11760	7879	0.67	1186	10800	7236	0.67	1258	9960	6673	0.67	1307
73	68	12360	6798	0.55	1234	11520	6336	0.55	1295	10680	5874	0.55	1367
73	72	13080	5624	0.43	1283	12240	5263	0.43	1355	11400	4902	0.43	1404
75	64	11760	8350	0.71	1186	10800	7668	0.71	1258	9960	7072	0.71	1307
75	68	12360	7292	0.59	1234	11520	6797	0.59	1295	10680	6301	0.59	1367
75	72	13080	6148	0.47	1283	12240	5753	0.47	1355	11400	5358	0.47	1404
75	75	13800	4830	0.35	1331	12960	4536	0.35	1392	12240	4284	0.35	1452
77	64	11760	8820	0.75	1186	10800	8100	0.75	1258	9960	7470	0.75	1307
77	68	12360	7787	0.63	1234	11520	7258	0.63	1295	10680	6728	0.63	1367
77	72	13080	6671	0.51	1283	12240	6242	0.51	1355	11400	5814	0.51	1404
77	75	13800	5382	0.39	1331	12960	5054	0.39	1392	12240	4774	0.39	1452
79	64	11760	9290	0.79	1186	10800	8532	0.79	1258	9960	7868	0.79	1307
79	68	12360	8281	0.67	1234	11520	7718	0.67	1295	10680	7156	0.67	1367
79	72	13080	7194	0.55	1283	12240	6732	0.55	1355	11400	6270	0.55	1404
79	75	13800	5934	0.43	1331	12960	5573	0.43	1392	12240	5263	0.43	1452
79	79	14520	4501	0.31	1379	13680	4241	0.31	1440	12840	3980	0.31	1500
81	64	11760	9761	0.83	1186	10800	8964	0.83	1258	9960	8267	0.83	1307
81	68	12360	8776	0.71	1234	11520	8179	0.71	1295	10680	7583	0.71	1367
81	72	13080	7717	0.59	1283	12240	7222	0.59	1355	11400	6726	0.59	1404
81	75	13800	6486	0.47	1331	12960	6091	0.47	1392	12240	5753	0.47	1452
81	79	14520	5082	0.35	1379	13680	4788	0.35	1440	12840	4494	0.35	1500
82	64	11760	10231	0.87	1186	10800	9396	0.87	1258	9960	8665	0.87	1307
82	68	12360	9270	0.75	1234	11520	8640	0.75	1295	10680	8010	0.75	1367
82	72	13080	8240	0.63	1283	12240	7711	0.63	1355	11400	7182	0.63	1404
82	75	13800	7038	0.51	1331	12960	6610	0.51	1392	12240	6242	0.51	1452
82	79	14520	5663	0.39	1379	13680	5335	0.39	1440	12840	5008	0.39	1500
84	64	11760	10702	0.91	1186	10800	9828	0.91	1258	9960	9064	0.91	1307
84	68	12360	9764	0.79	1234	11520	9101	0.79	1295	10680	8437	0.79	1367
84	72	13080	8764	0.67	1283	12240	8201	0.67	1355	11400	7638	0.67	1404
84	75	13800	7590	0.55	1331	12960	7128	0.55	1392	12240	6732	0.55	1452
84	79	14520	6244	0.43	1379	13680	5882	0.43	1440	12840	5521	0.43	1500
86	64	11760	11172	0.95	1186	10800	10260	0.95	1258	9960	9462	0.95	1307
86	68	12360	10259	0.83	1234	11520	9562	0.83	1295	10680	8864	0.83	1367
86	72	13080	9287	0.71	1283	12240	8690	0.71	1355	11400	8094	0.71	1404
86	75	13800	8142	0.59	1331	12960	7646	0.59	1392	12240	7222	0.59	1452
86	79	14520	6824	0.47	1379	13680	6430	0.47	1440	12840	6035	0.47	1500
88	64	11760	11642	0.99	1186	10800	10692	0.99	1258	9960	9860	0.99	1307
88	68	12360	10753	0.87	1234	11520	10022	0.87	1295	10680	9292	0.87	1367
88	72	13080	9810	0.75	1283	12240	9180	0.75	1355	11400	8550	0.75	1404
88	75	13800	8694	0.63	1331	12960	8165	0.63	1392	12240	7711	0.63	1452
88	79	14520	7405	0.51	1379	13680	6977	0.51	1440	12840	6548	0.51	1500
90	64	11760	11760	1.00	1186	10800	10800	1.00	1258	9960	9960	1.00	1307
90	68	12360	11248	0.91	1234	11520	10483	0.91	1295	10680	9719	0.91	1367
90	72	13080	10333	0.79	1283	12240	9670	0.79	1355	11400	9006	0.79	1404
90	75	13800	9246	0.67	1331	12960	8683	0.67	1392	12240	8201	0.67	1452
90	79	14520	7986	0.55	1379	13680	7524	0.55	1440	12840	7062	0.55	1500

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUZ-FS06NA MUZ-FS09NA MUZ-FS12NA MUZ-FS15NA MUZ-FS18NA
MUZ-FS06NAH MUZ-FS09NAH MUZ-FS12NAH MUZ-FS15NAH MUZ-FS18NAH

1) COOLING CAPACITY

Model	Indoor air IWB (˚F)	Outdoor intake air DB temperature (˚F)											
		75				85				95			
		TC	SHC	SHF	TPC	TC	SHC	SHF	TPC	TC	SHC	SHF	TPC
MUZ-FS06NA MUZ-FS06NAH	71	7.4	6.1	0.83	0.28	6.9	5.7	0.83	0.31	6.5	5.3	0.83	0.33
	67	7.0	6.7	0.96	0.26	6.5	6.2	0.96	0.29	6.0	5.8	0.96	0.32
	63	6.5	7.2	1.09	0.25	6.1	6.6	1.09	0.28	5.6	6.2	1.09	0.30
MUZ-FS09NA MUZ-FS09NAH	71	11.0	8.7	0.79	0.50	10.3	8.1	0.79	0.55	9.7	7.6	0.79	0.59
	67	10.4	9.6	0.92	0.47	9.7	8.9	0.92	0.52	9.0	8.3	0.92	0.56
	63	9.8	10.3	1.05	0.45	9.1	9.6	1.05	0.50	8.5	8.9	1.05	0.53
MUZ-FS12NA MUZ-FS12NAH	71	14.7	10.2	0.70	0.77	13.7	9.6	0.70	0.85	12.9	9.0	0.70	0.91
	67	13.9	11.6	0.83	0.73	13.0	10.8	0.83	0.80	12.0	10.0	0.83	0.87
	63	13.1	12.6	0.96	0.70	12.1	11.7	0.96	0.77	11.3	10.9	0.96	0.83
MUZ-FS15NA MUZ-FS15NAH	71	17.2	9.7	0.57	0.89	16.0	9.1	0.57	0.98	15.1	8.5	0.57	1.05
	67	16.2	11.4	0.70	0.84	15.1	10.6	0.70	0.93	14.0	9.8	0.70	1.00
	63	15.3	12.7	0.83	0.80	14.1	11.8	0.83	0.89	13.2	11.0	0.83	0.96
MUZ-FS18NA MUZ-FS18NAH	71	21.1	11.3	0.54	1.22	19.7	10.6	0.54	1.34	18.5	9.9	0.54	1.44
	67	20.0	13.4	0.67	1.16	18.6	12.4	0.67	1.27	17.2	11.5	0.67	1.38
	63	18.7	15.1	0.80	1.10	17.4	14.0	0.80	1.22	16.2	13.0	0.80	1.31

Model	Indoor air IWB (˚F)	Outdoor intake air DB temperature (˚F)							
		105				115			
		TC	SHC	SHF	TPC	TC	SHC	SHF	TPC
MUZ-FS06NA MUZ-FS06NAH	71	6.0	5.0	0.83	0.35	5.5	4.6	0.83	0.36
	67	5.6	5.4	0.96	0.33	5.1	4.9	0.96	0.35
	63	5.1	5.6	1.09	0.32	4.7	5.1	1.09	0.33
MUZ-FS09NA MUZ-FS09NAH	71	9.0	7.1	0.79	0.62	8.3	6.5	0.79	0.64
	67	8.4	7.7	0.92	0.59	7.7	7.1	0.92	0.62
	63	7.7	8.1	1.05	0.57	7.0	7.4	1.05	0.59
MUZ-FS12NA MUZ-FS12NAH	71	12.0	8.4	0.70	0.96	11.0	7.7	0.70	1.00
	67	11.2	9.3	0.83	0.92	10.3	8.5	0.83	0.97
	63	10.3	9.9	0.96	0.89	9.4	9.0	0.96	0.92
MUZ-FS15NA MUZ-FS15NAH	71	14.0	7.9	0.57	1.11	12.9	7.3	0.57	1.15
	67	13.0	9.1	0.70	1.06	12.0	8.4	0.70	1.11
	63	12.0	10.0	0.83	1.02	10.9	9.1	0.83	1.06
MUZ-FS18NA MUZ-FS18NAH	71	17.2	9.2	0.54	1.52	15.8	8.5	0.54	1.58
	67	16.0	10.7	0.67	1.46	14.7	9.9	0.67	1.53
	63	14.7	11.8	0.80	1.40	13.4	10.8	0.80	1.46

NOTE: 1. IWB: Intake air wet-bulb temperature TC: Total Capacity (x10^3 Btu/h)
SHC: Sensible Heat Capacity (x10^3 Btu/h) SHF: Sensible Heat Factor
TPC: Total Power Consumption (kW)
2. SHC is based on 80˚F of indoor Intake air DB temperature.

2) COOLING CAPACITY CORRECTIONS

	Refrigerant piping length (one way: ft.)			
	25 (std.)	40	65	100
MUZ-FS06NA **MUZ-FS06NAH** **MUZ-FS09NA** **MUZ-FS09NAH** **MUZ-FS12NA** **MUZ-FS12NAH**	1.0	0.988	0.967	-
MUZ-FS15NA **MUZ-FS15NAH** **MUZ-FS18NA** **MUZ-FS18NAH**	1.0	0.985	0.963	0.933

3) HEATING CAPACITY CORRECTIONS

	Refrigerant piping length (one way: ft.)			
	25 (std.)	40	65	100
MUZ-FS06NA **MUZ-FS06NAH** **MUZ-FS09NA** **MUZ-FS09NAH** **MUZ-FS12NA** **MUZ-FS12NAH**	1.0	0.997	0.993	-
MUZ-FS15NA **MUZ-FS15NAH** **MUZ-FS18NA** **MUZ-FS18NAH**	1.0	0.997	0.993	0.987

4) HEATING CAPACITY

Model	Indoor air	Outdoor intake air WB temperature (˚F)													
	IDB (˚F)	5		15		25		35		43		45		55	
		TC	TPC	TC	TPC	TC	TPC	TC	TPC	TC	TPC	TC	TPC	TC	TPC
MUZ-FS06NA	75	3.8	0.32	5.0	0.41	6.3	0.48	7.5	0.53	8.5	0.56	8.7	0.57	9.9	0.59
	70	4.1	0.31	5.4	0.39	6.5	0.47	7.7	0.52	8.7	0.55	9.0	0.56	10.1	0.58
	65	4.4	0.29	5.5	0.38	6.8	0.45	8.0	0.50	9.0	0.53	9.2	0.54	10.4	0.57
MUZ-FS06NAH	75	3.8	0.45	5.0	0.54	6.3	0.61	7.5	0.53	8.5	0.56	8.7	0.57	9.9	0.59
	70	4.1	0.44	5.4	0.52	6.5	0.60	7.7	0.52	8.7	0.55	9.0	0.56	10.1	0.58
	65	4.4	0.42	5.5	0.51	6.8	0.58	8.0	0.50	9.0	0.53	9.2	0.54	10.4	0.57
MUZ-FS09NA	75	4.2	0.37	5.6	0.46	7.0	0.54	8.3	0.60	9.4	0.64	9.6	0.64	10.9	0.67
	70	4.6	0.35	5.9	0.45	7.2	0.53	8.5	0.59	9.6	0.62	9.9	0.63	11.2	0.66
	65	4.8	0.33	6.0	0.43	7.5	0.51	8.8	0.57	9.9	0.60	10.2	0.61	11.4	0.64
MUZ-FS09NAH	75	4.2	0.50	5.6	0.59	7.0	0.67	8.3	0.60	9.4	0.64	9.6	0.64	10.9	0.67
	70	4.6	0.48	5.9	0.58	7.2	0.66	8.5	0.59	9.6	0.62	9.9	0.63	11.2	0.66
	65	4.8	0.46	6.0	0.56	7.5	0.64	8.8	0.57	9.9	0.60	10.2	0.61	11.4	0.64
MUZ-FS12NA	75	5.4	0.50	7.1	0.63	8.9	0.74	10.6	0.83	12.0	0.87	12.4	0.88	14.0	0.92
	70	5.8	0.48	7.6	0.61	9.2	0.73	10.9	0.81	12.3	0.85	12.7	0.87	14.3	0.90
	65	6.2	0.46	7.7	0.59	9.7	0.70	11.3	0.79	12.7	0.83	13.0	0.84	14.6	0.88
MUZ-FS12NAH	75	5.4	0.63	7.1	0.76	8.9	0.87	10.6	0.83	12.0	0.87	12.4	0.88	14.0	0.92
	70	5.8	0.61	7.6	0.74	9.2	0.86	10.9	0.81	12.3	0.85	12.7	0.87	14.3	0.90
	65	6.2	0.59	7.7	0.72	9.7	0.83	11.3	0.79	12.7	0.83	13.0	0.84	14.6	0.88
MUZ-FS15NA	75	7.0	0.68	9.3	0.86	11.6	1.01	13.8	1.13	15.6	1.18	16.1	1.20	18.2	1.25
	70	7.6	0.65	9.8	0.83	12.0	0.99	14.2	1.10	16.0	1.16	16.5	1.18	18.6	1.22
	65	8.0	0.62	10.1	0.80	12.6	0.95	14.6	1.07	16.5	1.13	17.0	1.14	19.0	1.20
MUZ-FS15NAH	75	7.0	0.80	9.3	0.98	11.6	1.13	13.8	1.13	15.6	1.18	16.1	1.20	18.2	1.25
	70	7.6	0.77	9.8	0.95	12.0	1.11	14.2	1.10	16.0	1.16	16.5	1.18	18.6	1.22
	65	8.0	0.74	10.1	0.92	12.6	1.07	14.6	1.07	16.5	1.13	17.0	1.14	19.0	1.20
MUZ-FS18NA	75	8.4	0.95	11.0	1.20	13.8	1.41	16.4	1.57	18.5	1.65	19.1	1.67	21.7	1.74
	70	9.0	0.91	11.7	1.16	14.3	1.38	16.8	1.53	19.0	1.61	19.6	1.64	22.1	1.71
	65	9.5	0.87	12.0	1.11	14.9	1.33	17.4	1.49	19.6	1.57	20.1	1.59	22.6	1.67
MUZ-FS18NAH	75	8.4	1.07	11.0	1.32	13.8	1.53	16.4	1.57	18.5	1.65	19.1	1.67	21.7	1.74
	70	9.0	1.03	11.7	1.28	14.3	1.50	16.8	1.53	19.0	1.61	19.6	1.64	22.1	1.71
	65	9.5	0.99	12.0	1.23	14.9	1.45	17.4	1.49	19.6	1.57	20.1	1.59	22.6	1.67

NOTE: 1. IDB: Intake air dry-bulb temperature TC: Total Capacity (x10^3 Btu/h) TPC: Total Power Consumption (kW)
2. Above data is for heating operation without any frost.

MUZ-GL09NA MUZ-GL09NAH MUY-GL09NA
MUZ-GL12NA MUZ-GL12NAH MUY-GL12NA
MUZ-GL15NA MUZ-GL15NAH MUY-GL15NA
MUZ-GL18NA MUZ-GL18NAH MUY-GL18NA
MUZ-GL24NA MUZ-GL24NAH MUY-GL24NA

1) COOLING CAPACITY

Model	Indoor air IWB (˚F)	Outdoor intake air DB temperature (˚F)														
		75			85			95			105			115		
		TC	SHC	TPC	TC	SHC	TPC	TC	SHC	TPC	TC	SHC	TPC	TC	SHC	TPC
MUZ-GL09NA	71	11.0	7.6	0.52	10.3	7.1	0.57	9.7	6.6	0.61	9.0	6.2	0.65	8.3	5.7	0.67
MUZ-GL09NAH	67	10.4	8.6	0.49	9.7	8.0	0.54	9.0	7.4	0.59	8.4	6.9	0.62	7.7	6.3	0.65
MUY-GL09NA	63	9.8	9.4	0.47	9.1	8.7	0.52	8.5	8.1	0.56	7.7	7.3	0.60	7.0	6.7	0.62
MUZ-GL12NA	71	14.7	9.4	0.82	13.7	8.7	0.90	12.9	8.2	0.97	12.0	7.6	1.02	11.0	7.0	1.06
MUZ-GL12NAH	67	13.9	10.7	0.77	13.0	10.0	0.85	12.0	9.2	0.92	11.2	8.6	0.98	10.3	7.9	1.02
MUY-GL12NA	63	13.1	11.8	0.74	12.1	10.9	0.81	11.3	10.2	0.88	10.3	9.3	0.94	9.4	8.5	0.98
MUZ-GL15NA	71	17.2	9.7	0.96	16.0	9.1	1.05	15.1	8.5	1.13	14.0	7.9	1.19	12.9	7.3	1.24
MUZ-GL15NAH	67	16.2	11.4	0.91	15.1	10.6	1.00	14.0	9.8	1.08	13.0	9.1	1.14	12.0	8.4	1.20
MUY-GL15NA	63	15.3	12.7	0.86	14.1	11.8	0.96	13.2	11.0	1.03	12.0	10.0	1.10	10.9	9.1	1.14
MUZ-GL18NA	71	22.1	16.2	1.19	20.6	15.2	1.31	19.4	14.3	1.41	18.0	13.3	1.48	16.6	12.2	1.54
MUZ-GL18NAH	67	20.9	18.2	1.13	19.4	16.9	1.24	18.0	15.7	1.34	16.7	14.6	1.42	15.4	13.4	1.49
MUY-GL18NA	63	19.6	19.7	1.07	18.2	18.2	1.19	16.9	17.0	1.28	15.4	15.4	1.37	14.0	14.1	1.42
MUZ-GL24NA	71	27.6	17.0	1.60	25.8	15.9	1.76	24.2	14.9	1.89	22.5	13.9	1.99	20.7	12.8	2.07
MUZ-GL24NAH	67	26.1	19.6	1.51	24.3	18.2	1.67	22.5	16.9	1.80	20.9	15.7	1.91	19.2	14.4	2.00
MUY-GL24NA	63	24.5	21.7	1.44	22.7	20.1	1.59	21.2	18.7	1.72	19.2	17.0	1.84	17.6	15.5	1.91

NOTE: 1. IWB: Intake air wet-bulb temperature TC: Total Capacity (x10^3 Btu/h)
SHC: Sensible Heat Capacity (x10^3 Btu/h) TPC: Total Power Consumption (kW)
2. SHC is based on 80˚F of indoor Intake air DB temperature.

2) COOLING CAPACITY CORRECTIONS

Model	Refrigerant piping length (one way: ft.)			
	25 (std.)	40	65	100
MUZ-GL09NA MUZ-GL09NAH MUY-GL09NA MUZ-GL12NA MUZ-GL12NAH MUY-GL12NA MUZ-GL15NA MUZ-GL15NAH MUY-GL15NA	1.0	0.988	0.967	-
MUZ-GL18NA MUZ-GL18NAH MUY-GL18NA	1.0	0.985	0.963	0.933
MUZ-GL24NA MUZ-GL24NAH MUY-GL24NA	1.0	0.983	0.956	0.921

3) HEATING CAPACITY CORRECTIONS

Model	Refrigerant piping length (one way: ft.)			
	25 (std.)	40	65	100
MUZ-GL09NA MUZ-GL09NAH MUZ-GL12NA MUZ-GL12NAH MUZ-GL15NA MUZ-GL15NAH	1.0	0.997	0.993	-
MUZ-GL18NA MUZ-GL18NAH MUZ-GL24NA MUZ-GL24NAH	1.0	0.997	0.993	0.987

4) HEATING CAPACITY (MUZ)

Model	Indoor air	Outdoor intake air WB temperature (˚F)													
	IDB (˚F)	5		15		25		35		43		45		55	
		TC	TPC	TC	TPC	TC	TPC	TC	TPC	TC	TPC	TC	TPC	TC	TPC
MUZ-GL09NA	75	4.8	0.42	6.3	0.54	7.9	0.63	9.4	0.70	10.6	0.74	11.0	0.75	12.4	0.78
	70	5.2	0.41	6.7	0.52	8.2	0.62	9.6	0.68	10.9	0.72	11.2	0.73	12.7	0.76
	65	5.5	0.39	6.9	0.50	8.6	0.59	10.0	0.67	11.2	0.70	11.6	0.71	13.0	0.75
MUZ-GL09NAH	75	4.8	0.55	6.3	0.67	7.9	0.76	9.4	0.70	10.6	0.74	11.0	0.75	12.4	0.78
	70	5.2	0.54	6.7	0.65	8.2	0.75	9.6	0.68	10.9	0.72	11.2	0.73	12.7	0.76
	65	5.5	0.52	6.9	0.63	8.6	0.72	10.0	0.67	11.2	0.70	11.6	0.71	13.0	0.75
MUZ-GL12NA	75	6.3	0.65	8.4	0.82	10.4	0.96	12.5	1.07	14.0	1.13	14.5	1.14	16.4	1.19
	70	6.8	0.62	8.9	0.79	10.8	0.94	12.7	1.05	14.4	1.10	14.8	1.12	16.8	1.17
	65	7.2	0.59	9.1	0.76	11.3	0.91	13.2	1.02	14.8	1.07	15.3	1.09	17.1	1.14
MUZ-GL12NAH	75	6.3	0.78	8.4	0.95	10.4	1.09	12.5	1.07	14.0	1.13	14.5	1.14	16.4	1.19
	70	6.8	0.75	8.9	0.92	10.8	1.07	12.7	1.05	14.4	1.10	14.8	1.12	16.8	1.17
	65	7.2	0.72	9.1	0.89	11.3	1.04	13.2	1.02	14.8	1.07	15.3	1.09	17.1	1.14
MUZ-GL15NA	75	7.9	0.94	10.4	1.19	13.1	1.40	15.6	1.56	17.6	1.64	18.1	1.66	20.5	1.73
	70	8.6	0.90	11.1	1.15	13.5	1.37	15.9	1.52	18.0	1.60	18.5	1.63	21.0	1.70
	65	9.0	0.86	11.3	1.10	14.1	1.32	16.5	1.48	18.5	1.56	19.1	1.58	21.4	1.66
MUZ-GL15NAH	75	7.9	1.07	10.4	1.32	13.1	1.53	15.6	1.56	17.6	1.64	18.1	1.66	20.5	1.73
	70	8.6	1.03	11.1	1.28	13.5	1.50	15.9	1.52	18.0	1.60	18.5	1.63	21.0	1.70
	65	9.0	0.99	11.3	1.23	14.1	1.45	16.5	1.48	18.5	1.56	19.1	1.58	21.4	1.66
MUZ-GL18NA	75	9.5	0.99	12.5	1.25	15.7	1.47	18.7	1.64	21.1	1.72	21.7	1.75	24.6	1.81
	70	10.3	0.95	13.3	1.21	16.2	1.44	19.1	1.60	21.6	1.68	22.2	1.71	25.2	1.78
	65	10.8	0.91	13.6	1.16	17.0	1.39	19.8	1.55	22.2	1.64	22.9	1.66	25.7	1.75
MUZ-GL18NAH	75	9.5	1.12	12.5	1.38	15.7	1.60	18.7	1.64	21.1	1.72	21.7	1.75	24.6	1.81
	70	10.3	1.08	13.3	1.34	16.2	1.57	19.1	1.60	21.6	1.68	22.2	1.71	25.2	1.78
	65	10.8	1.04	13.6	1.29	17.0	1.52	19.8	1.55	22.2	1.64	22.9	1.66	25.7	1.75
MUZ-GL24NA	75	12.1	1.38	16.0	1.74	20.0	2.05	23.9	2.28	26.9	2.40	27.7	2.43	31.5	2.53
	70	13.1	1.32	17.0	1.68	20.7	2.00	24.4	2.22	27.6	2.34	28.4	2.39	32.2	2.48
	65	13.8	1.26	17.4	1.61	21.7	1.93	25.3	2.16	28.4	2.28	29.3	2.32	32.8	2.43
MUZ-GL24NAH	75	12.1	1.38	16.0	1.74	20.0	2.05	23.9	2.28	26.9	2.40	27.7	2.43	31.5	2.53
	70	13.1	1.32	17.0	1.68	20.7	2.00	24.4	2.22	27.6	2.34	28.4	2.39	32.2	2.48
	65	13.8	1.26	17.4	1.61	21.7	1.93	25.3	2.16	28.4	2.28	29.3	2.32	32.8	2.43

NOTE: 1. IDB: Intake air dry-bulb temperature TC: Total Capacity (x10^3 Btu/h) TPC: Total Power Consumption (kW)
2. Above data is for heating operation without any frost.

How to operate with fixed operational frequency of the compressor.

1. Press the EMERGENCY OPERATION switch on the front of the indoor unit, and select either EMERGENCY COOL mode or EMERGENCY HEAT mode before starting to operate the air conditioner.
2. The compressor starts with operational frequency.
3. The fan speed of the indoor unit is High.
4. This operation continues for 30 minutes.
5. In order to release this operation, press the EMERGENCY OPERATION switch or press any button on the remote controller.

MUZ-HM09NA MUZ-HM12NA MUZ-HM15NA MUZ-HM18NA MUZ-HM24NA
MUZ-HM09NAH MUZ-HM12NAH MUZ-HM15NAH MUZ-HM18NAH MUZ-HM24NAH

1) COOLING CAPACITY

Model	Indoor air IWB (˚F)	Outdoor intake air DB temperature (˚F)														
		75			85			95			105			115		
		TC	SHC	TPC	TC	SHC	TPC	TC	SHC	TPC	TC	SHC	TPC	TC	SHC	TPC
MUZ-HM09NA(H)	71	11.0	7.6	0.67	10.3	7.1	0.73	9.7	6.6	0.79	9.0	6.2	0.83	8.3	5.7	0.86
	67	10.4	8.6	0.63	9.7	8.0	0.69	9.0	7.4	0.75	8.4	6.9	0.80	7.7	6.3	0.83
	63	9.8	9.4	0.60	9.1	8.7	0.66	8.5	8.1	0.72	7.7	7.3	0.77	7.0	6.7	0.80
MUZ-HM12NA(H)	71	14.7	9.4	1.08	13.7	8.7	1.18	12.9	8.2	1.27	12.0	7.6	1.34	11.0	7.0	1.39
	67	13.9	10.7	1.02	13.0	10.0	1.12	12.0	9.2	1.21	11.2	8.6	1.28	10.3	7.9	1.34
	63	13.1	11.8	0.97	12.1	10.9	1.07	11.3	10.2	1.16	10.3	9.3	1.23	9.4	8.5	1.28
MUZ-HM15NA(H)	71	17.2	11.1	1.04	16.0	10.4	1.14	15.1	9.7	1.23	14.0	9.1	1.29	12.9	8.3	1.35
	67	16.2	12.7	0.98	15.1	11.8	1.08	14.0	10.9	1.17	13.0	10.2	1.24	12.0	9.3	1.30
	63	15.3	13.9	0.94	14.1	12.9	1.04	13.2	12.0	1.12	12.0	10.9	1.19	10.9	10.0	1.24
MUZ-HM18NA(H)	71	21.1	15.3	1.46	19.7	14.3	1.60	18.5	13.4	1.72	17.2	12.5	1.81	15.8	11.5	1.89
	67	20.0	17.2	1.38	18.6	16.0	1.52	17.2	14.8	1.64	16.0	13.8	1.74	14.7	12.6	1.82
	63	18.7	18.6	1.31	17.4	17.3	1.45	16.2	16.1	1.57	14.7	14.6	1.67	13.4	13.3	1.74
MUZ-HM24NA(H)	71	27.6	20.9	2.34	25.8	19.5	2.56	24.2	18.3	2.76	22.5	17.0	2.91	20.7	15.7	3.02
	67	26.1	23.2	2.21	24.3	21.6	2.43	22.5	20.0	2.63	20.9	18.6	2.79	19.2	17.1	2.92
	63	24.5	25.1	2.10	22.7	23.3	2.33	21.2	21.6	2.51	19.2	19.7	2.68	17.6	18.0	2.79

NOTE: 1. IWB: Intake air wet-bulb temperature TC: Total Capacity (x10³ Btu/h)
SHC: Sensible Heat Capacity (x10³ Btu/h) TPC: Total Power Consumption (kW)
2. SHC is based on 80˚F of indoor Intake air DB temperature.

2) COOLING CAPACITY CORRECTIONS

Model	Refrigerant piping length (one way: ft.)			
	25 (std.)	40	65	100
MUZ-HM09NA(H) **MUZ-HM12NA(H)** **MUZ-HM15NA(H)**	1.0	0.988	0.967	—
MUZ-HM18NA(H)	1.0	0.985	0.963	—
MUZ-HM24NA(H)	1.0	0.983	0.956	0.921

3) HEATING CAPACITY CORRECTIONS

Model	Refrigerant piping length (one way: ft.)			
	25 (std.)	40	65	100
MUZ-HM09NA(H) **MUZ-HM12NA(H)** **MUZ-HM15NA(H)** **MUZ-HM18NA(H)**	1.0	0.997	0.993	—
MUZ-HM24NA(H)	1.0	0.997	0.993	0.987

4) HEATING CAPACITY

Model	Indoor air	Outdoor intake air WB temperature (˚F)													
	IDB (˚F)	5		15		25		35		43		45		55	
		TC	TPC	TC	TPC	TC	TPC	TC	TPC	TC	TPC	TC	TPC	TC	TPC
MUZ-HM09NA(H)	75	4.8	0.53	6.3	0.67	7.9	0.79	9.4	0.88	10.6	0.92	11.0	0.94	12.4	0.97
	70	5.2	0.51	6.7	0.65	8.2	0.77	9.6	0.86	10.9	0.90	11.2	0.92	12.7	0.95
	65	5.5	0.49	6.9	0.62	8.6	0.74	10.0	0.83	11.2	0.88	11.6	0.89	13.0	0.94
MUZ-HM12NA(H)	75	5.4	0.58	7.1	0.74	8.8	0.87	10.6	0.97	11.9	1.01	12.3	1.03	13.9	1.07
	70	5.8	0.56	7.5	0.71	9.2	0.85	10.8	0.94	12.2	0.99	12.6	1.01	14.2	1.05
	65	6.1	0.53	7.7	0.68	9.6	0.82	11.2	0.92	12.6	0.97	12.9	0.98	14.5	1.03
MUZ-HM15NA(H)	75	7.9	0.94	10.4	1.19	13.1	1.40	15.6	1.56	17.6	1.64	18.1	1.66	20.5	1.73
	70	8.6	0.90	11.1	1.15	13.5	1.37	15.9	1.52	18.0	1.60	18.5	1.63	21.0	1.70
	65	9.0	0.86	11.3	1.10	14.1	1.32	16.5	1.48	18.5	1.56	19.1	1.58	21.4	1.66
MUZ-HM18NA(H)	75	7.9	0.94	10.4	1.18	13.1	1.39	15.6	1.55	17.6	1.63	18.1	1.65	20.5	1.72
	70	8.6	0.90	11.1	1.14	13.5	1.36	15.9	1.51	18.0	1.59	18.5	1.62	21.0	1.69
	65	9.0	0.86	11.3	1.10	14.1	1.31	16.5	1.47	18.5	1.55	19.1	1.57	21.4	1.65
MUZ-HM24NA(H)	75	11.4	1.48	15.1	1.86	18.9	2.19	22.5	2.44	25.4	2.56	26.1	2.60	29.6	2.70
	70	12.4	1.41	16.0	1.80	19.5	2.14	23.0	2.38	26.0	2.50	26.8	2.55	30.3	2.65
	65	13.0	1.35	16.4	1.73	20.4	2.06	23.8	2.31	26.8	2.44	27.6	2.48	30.9	2.60

NOTE: 1. IDB: Intake air dry-bulb temperature TC: Total Capacity (x10^3 Btu/h) TPC: Total Power Consumption (kW)
2. Above data is for heating operation without any frost.

How to operate with fixed operational frequency of the compressor.

1. Press the EMERGENCY OPERATION switch on the front of the indoor unit, and select either EMERGENCY COOL mode or EMERGENCY HEAT mode before starting to operate the air conditioner.
2. The compressor starts with operational frequency.
3. The fan speed of the indoor unit is High.
4. This operation continues for 30 minutes.
5. In order to release this operation, press the EMERGENCY OPERATION switch or press any button on the remote controller.

MUZ-WR09NA MUZ-WR12NA MUZ-WR18NA MUZ-WR24NA

1) COOLING CAPACITY

Model	Indoor air IWB (˚F)	Outdoor intake air DB temperature (˚F)														
		75			85			95			105			115		
		TC	SHC	TPC	TC	SHC	TPC	TC	SHC	TPC	TC	SHC	TPC	TC	SHC	TPC
MUZ-WR09NA	71	11.0	7.6	0.73	10.3	7.1	0.80	9.7	6.6	0.86	9.0	6.2	0.91	8.3	5.7	0.94
	67	10.4	8.6	0.69	9.7	8.0	0.76	9.0	7.4	0.82	8.4	6.9	0.87	7.7	6.3	0.91
	63	9.8	9.4	0.66	9.1	8.7	0.73	8.5	8.1	0.78	7.7	7.3	0.84	7.0	6.7	0.87
MUZ-WR12NA	71	14.7	9.4	1.18	13.7	8.7	1.30	12.9	8.2	1.40	12.0	7.6	1.47	11.0	7.0	1.53
	67	13.9	10.7	1.12	13.0	10.0	1.23	12.0	9.2	1.33	11.2	8.6	1.41	10.3	7.9	1.48
	63	13.1	11.8	1.06	12.1	10.9	1.18	11.3	10.2	1.27	10.3	9.3	1.36	9.4	8.5	1.41
MUZ-WR18NA	71	21.1	15.3	1.53	19.7	14.3	1.68	18.5	13.4	1.81	17.2	12.5	1.90	15.8	11.5	1.98
	67	20.0	17.2	1.44	18.6	16.0	1.59	17.2	14.8	1.72	16.0	13.8	1.82	14.7	12.6	1.91
	63	18.7	18.6	1.38	17.4	17.3	1.52	16.2	16.1	1.64	14.7	14.6	1.75	13.4	13.3	1.82
MUZ-WR24NA	71	27.6	20.0	2.50	25.8	18.7	2.74	24.2	17.6	2.95	22.5	16.4	3.11	20.7	15.0	3.23
	67	26.1	22.4	2.36	24.3	20.9	2.60	22.5	19.4	2.81	20.9	18.0	2.98	19.2	16.5	3.12
	63	24.5	24.4	2.25	22.7	22.6	2.49	21.2	21.0	2.68	19.2	19.1	2.87	17.6	17.4	2.98

NOTE: 1. IWB: Intake air wet-bulb temperature TC: Total Capacity (x10^3 Btu/h)
SHC: Sensible Heat Capacity (x10^3 Btu/h) TPC: Total Power Consumption (kW)
2. SHC is based on 80˚F of indoor Intake air DB temperature.

2) COOLING CAPACITY CORRECTIONS

Model	Refrigerant piping length (one way: ft.)			
	25 (std.)	40	65	100
MUZ-WR09NA MUZ-WR12NA	1.0	0.988	0.967	—
MUZ-WR18NA	1.0	0.985	0.963	—
MUZ-WR24NA	1.0	0.983	0.956	0.921

3) HEATING CAPACITY CORRECTIONS

Model	Refrigerant piping length (one way: ft.)			
	25 (std.)	40	65	100
MUZ-WR09NA MUZ-WR12NA MUZ-WR18NA	1.0	0.997	0.993	—
MUZ-WR24NA	1.0	0.997	0.993	0.987

4) HEATING CAPACITY

Model	Indoor air	Outdoor intake air WB temperature (˚F)													
	IDB (˚F)	5		15		25		35		43		45		55	
		TC	TPC	TC	TPC	TC	TPC	TC	TPC	TC	TPC	TC	TPC	TC	TPC
MUZ-WR09NA	75	4.8	0.58	6.3	0.73	7.9	0.86	9.4	0.96	10.6	1.00	11.0	1.02	12.4	1.06
	70	5.2	0.55	6.7	0.71	8.2	0.84	9.6	0.93	10.9	0.98	11.2	1.00	12.7	1.04
	65	5.5	0.53	6.9	0.68	8.6	0.81	10.0	0.91	11.2	0.96	11.6	0.97	13.0	1.02
MUZ-WR12NA	75	5.4	0.64	7.1	0.81	8.8	0.95	10.6	1.06	11.9	1.12	12.3	1.13	13.9	1.18
	70	5.8	0.62	7.5	0.78	9.2	0.93	10.8	1.04	12.2	1.09	12.6	1.11	14.2	1.16
	65	6.1	0.59	7.7	0.75	9.6	0.90	11.2	1.01	12.6	1.06	12.9	1.08	14.5	1.13
MUZ-WR18NA	75	7.9	0.99	10.4	1.24	13.1	1.46	15.6	1.63	17.6	1.71	18.1	1.74	20.5	1.80
	70	8.6	0.94	11.1	1.20	13.5	1.43	15.9	1.59	18.0	1.67	18.5	1.70	21.0	1.77
	65	9.0	0.90	11.3	1.15	14.1	1.38	16.5	1.54	18.5	1.63	19.1	1.65	21.4	1.74
MUZ-WR24NA	75	11.4	1.58	15.1	2.00	18.9	2.35	22.5	2.61	25.4	2.75	26.1	2.79	29.6	2.89
	70	12.4	1.51	16.0	1.93	19.5	2.29	23.0	2.55	26.0	2.68	26.8	2.73	30.3	2.84
	65	13.0	1.45	16.4	1.85	20.4	2.21	23.8	2.48	26.8	2.61	27.6	2.65	30.9	2.79

NOTE: 1. IDB: Intake air dry-bulb temperature TC: Total Capacity (x10^3 Btu/h) TPC: Total Power Consumption (kW)
2. Above data is for heating operation without any frost.

How to operate with fixed operational frequency of the compressor.

1. Press the EMERGENCY OPERATION switch on the front of the indoor unit, and select either EMERGENCY COOL mode or EMERGENCY HEAT mode before starting to operate the air conditioner.
2. The compressor starts with operational frequency.
3. The fan speed of the indoor unit is High.
4. This operation continues for 30 minutes.
5. In order to release this operation, press the EMERGENCY OPERATION switch or press any button on the remote controller.

MUZ-JP09WA MUZ-JP12WA

1) COOLING CAPACITY

Model	Indoor air IWB (˚F)	Outdoor intake air DB temperature (˚F)														
		75			85			95			105			115		
		TC	SHC	TPC	TC	SHC	TPC	TC	SHC	TPC	TC	SHC	TPC	TC	SHC	TPC
MUZ-JP09WA	71	11.0	7.6	0.67	10.3	7.1	0.73	9.7	6.6	0.79	9.0	6.2	0.83	8.3	5.7	0.86
	67	10.4	8.6	0.63	9.7	8.0	0.69	9.0	7.4	0.75	8.4	6.9	0.80	7.7	6.3	0.83
	63	9.8	9.4	0.60	9.1	8.7	0.66	8.5	8.1	0.72	7.7	7.3	0.77	7.0	6.7	0.80
MUZ-JP12WA	71	14.7	9.4	1.08	13.7	8.7	1.18	12.9	8.2	1.27	12.0	7.6	1.34	11.0	7.0	1.39
	67	13.9	10.7	1.02	13.0	10.0	1.12	12.0	9.2	1.21	11.2	8.6	1.28	10.3	7.9	1.34
	63	13.1	11.8	0.97	12.1	10.9	1.07	11.3	10.2	1.16	10.3	9.3	1.23	9.4	8.5	1.28

NOTE: 1. IWB: Intake air wet-bulb temperature TC: Total Capacity (x10³ Btu/h)
SHC: Sensible Heat Capacity (x10³ Btu/h) TPC: Total Power Consumption (kW)
2. SHC is based on 80˚F of indoor Intake air DB temperature.

2) COOLING CAPACITY CORRECTIONS

Refrigerant piping length (one way: ft.)				
Model	25 (std.)	40	65	100
MUZ-JP09WA MUZ-JP12WA	1.0	0.988	0.967	—

3) HEATING CAPACITY CORRECTIONS

Refrigerant piping length (one way: ft.)				
Model	25 (std.)	40	65	100
MUZ-JP09WA MUZ-JP12WA	1.0	0.997	0.993	—

4) HEATING CAPACITY

Model	Indoor air IDB (˚F)	Outdoor intake air WB temperature (˚F)													
		5		15		25		35		43		45		55	
		TC	TPC	TC	TPC	TC	TPC	TC	TPC	TC	TPC	TC	TPC	TC	TPC
MUZ-JP09WA	75	4.8	0.53	6.3	0.67	7.9	0.79	9.4	0.88	10.6	0.92	11.0	0.94	12.4	0.97
	70	5.2	0.51	6.7	0.65	8.2	0.77	9.6	0.86	10.9	0.90	11.2	0.92	12.7	0.95
	65	5.5	0.49	6.9	0.62	8.6	0.74	10.0	0.83	11.2	0.88	11.6	0.89	13.0	0.94
MUZ-JP12WA	75	5.4	0.58	7.1	0.74	8.8	0.87	10.6	0.97	11.9	1.01	12.3	1.03	13.9	1.07
	70	5.8	0.56	7.5	0.71	9.2	0.85	10.8	0.94	12.2	0.99	12.6	1.01	14.2	1.05
	65	6.1	0.53	7.7	0.68	9.6	0.82	11.2	0.92	12.6	0.97	12.9	0.98	14.5	1.03

NOTE: 1. IDB: Intake air dry-bulb temperature TC: Total Capacity (x10³ Btu/h) TPC: Total Power Consumption (kW)
2. Above data is for heating operation without any frost.

How to operate with fixed operational frequency of the compressor.

1. Press the EMERGENCY OPERATION switch on the front of the indoor unit, and select either EMERGENCY COOL mode or EMERGENCY HEAT mode before starting to operate the air conditioner.
2. The compressor starts with operational frequency.
3. The fan speed of the indoor unit is High.
4. This operation continues for 30 minutes.
5. In order to release this operation, press the EMERGENCY OPERATION switch or press any button on the remote controller.

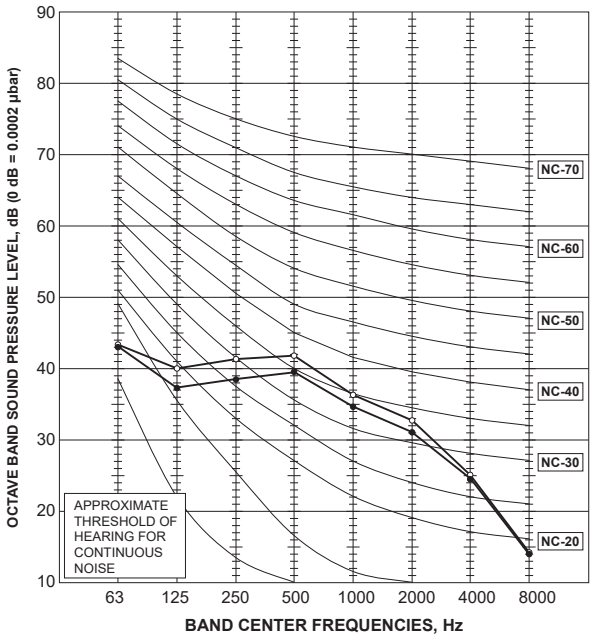
A.1.7 NOISE CRITERIA CURVES

A.1.7.1 Indoor Unit

MSZ-FS06NA

INDOOR UNIT

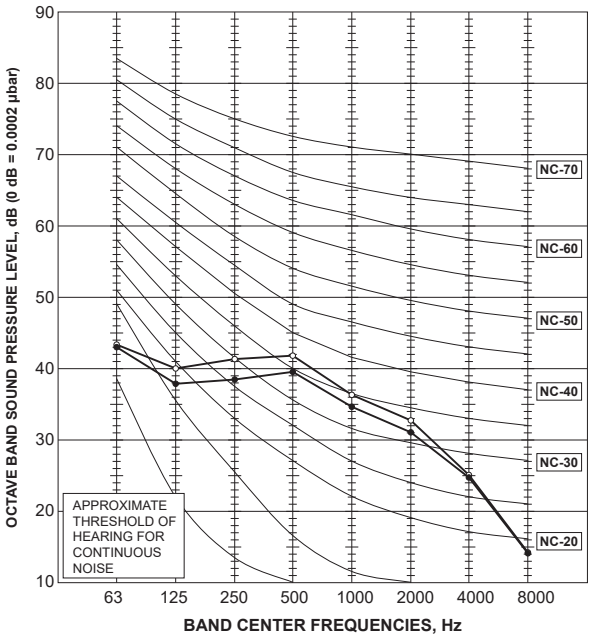
NOTCH	SPL(dB(A))	LINE
COOLING(SHi)	40	●—●
HEATING(SHi)	42	○—○



MSZ-FS09NA

INDOOR UNIT

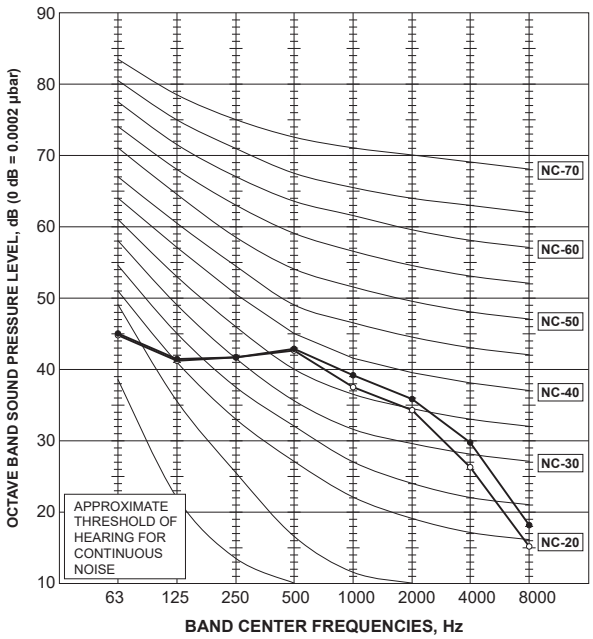
NOTCH	SPL(dB(A))	LINE
COOLING(SHi)	40	●—●
HEATING(SHi)	42	○—○



MSZ-FS12NA

INDOOR UNIT

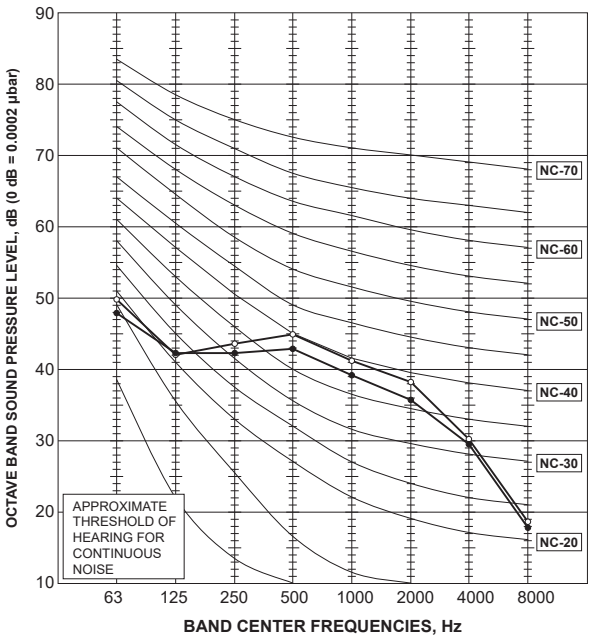
NOTCH	SPL(dB(A))	LINE
COOLING(SHi)	44	●—●
HEATING(SHi)	43	○—○



MSZ-FS15NA

INDOOR UNIT

NOTCH	SPL(dB(A))	LINE
COOLING(SHi)	44	●—●
HEATING(SHi)	46	○—○

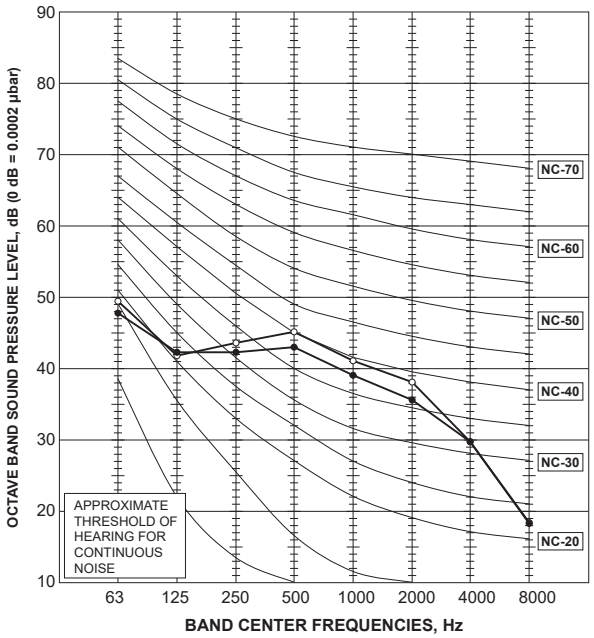


NOTE: The sound level is measured in an anechoic room where echoes are few,when compressor stops. The sound may be bigger than displayed level under actual installation condition by surrounding echoes. The sound level can be higher by about 2 dB than the displayed level during cooling and heating operation.

MSZ-FS18NA

INDOOR UNIT

NOTCH	SPL(dB(A))	LINE
COOLING(SHi)	44	●——●
HEATING(SHi)	46	○——○

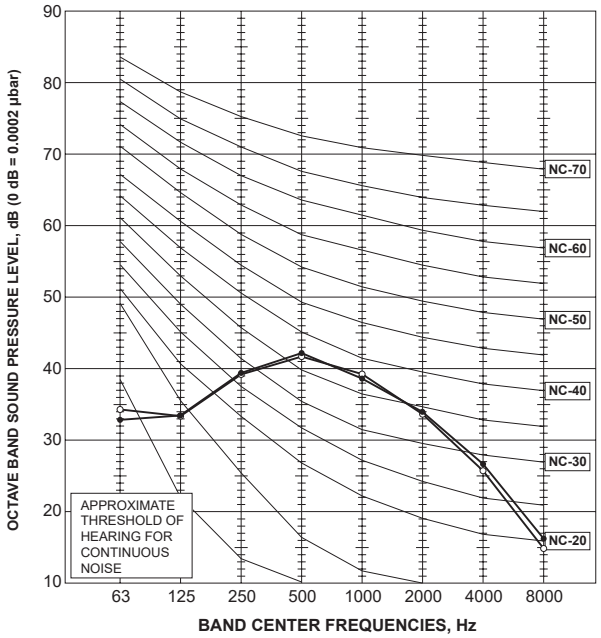


NOTE: The sound level is measured in an anechoic room where echoes are few,when compressor stops. The sound may be bigger than displayed level under actual installation condition by surrounding echoes. The sound level can be higher by about 2 dB than the displayed level during cooling and heating operation.

MSZ-GL09NA

INDOOR UNIT

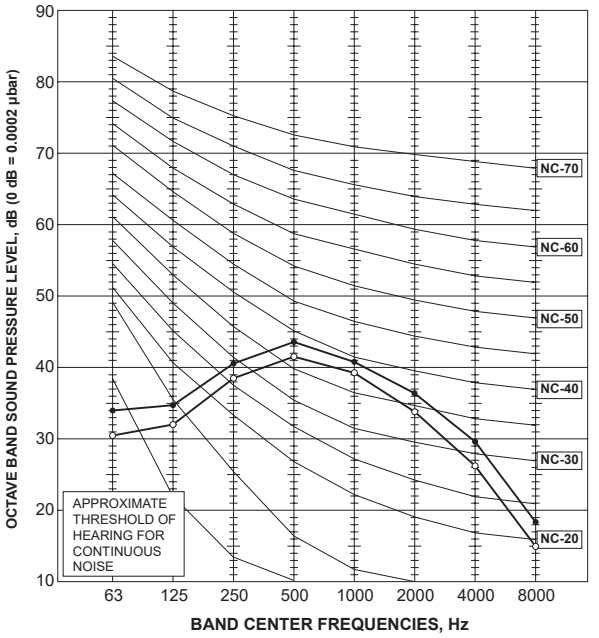
NOTCH	SPL(dB(A))	LINE
COOLING(SHi)	43	●—●
HEATING(SHi)	43	○—○



MSZ-GL12NA

INDOOR UNIT

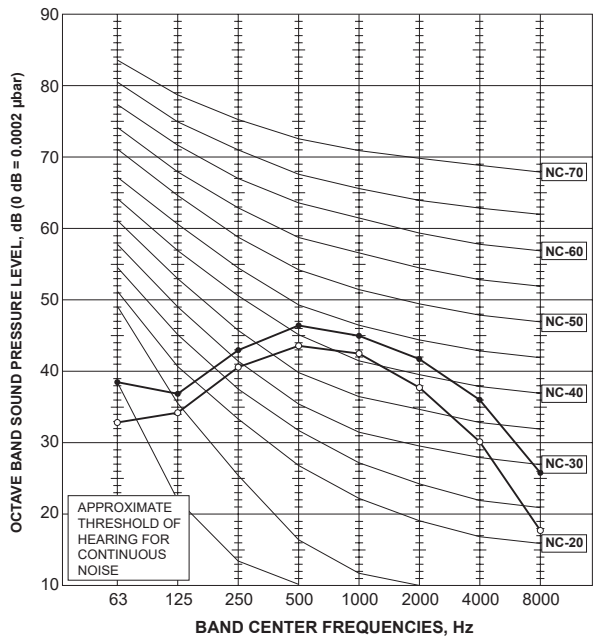
NOTCH	SPL(dB(A))	LINE
COOLING(SHi)	45	●—●
HEATING(SHi)	43	○—○



MSZ-GL15NA

INDOOR UNIT

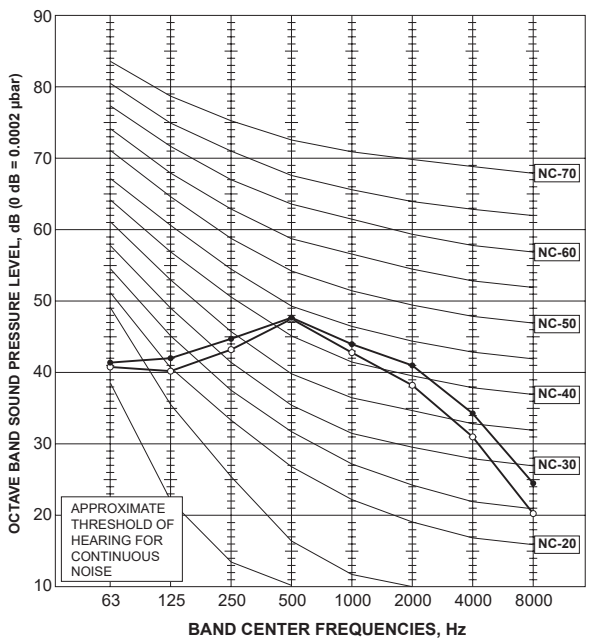
NOTCH	SPL(dB(A))	LINE
COOLING(SHi)	49	●—●
HEATING(SHi)	46	○—○



MSZ-GL18NA

INDOOR UNIT

NOTCH	SPL(dB(A))	LINE
COOLING(SHi)	49	●—●
HEATING(SHi)	48	○—○

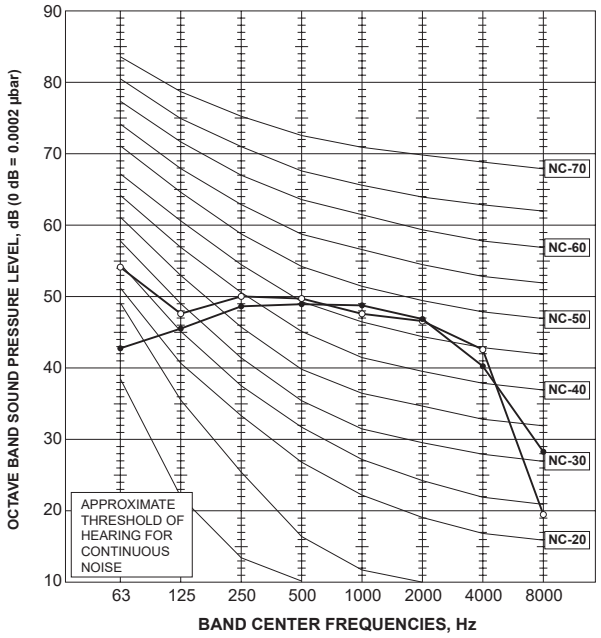


NOTE: The sound level is measured in an anechoic room where echoes are few,when compressor stops. The sound may be bigger than displayed level under actual installation condition by surrounding echoes. The sound level can be higher by about 2 dB than the displayed level during cooling and heating operation.

MSZ-GL24NA

INDOOR UNIT

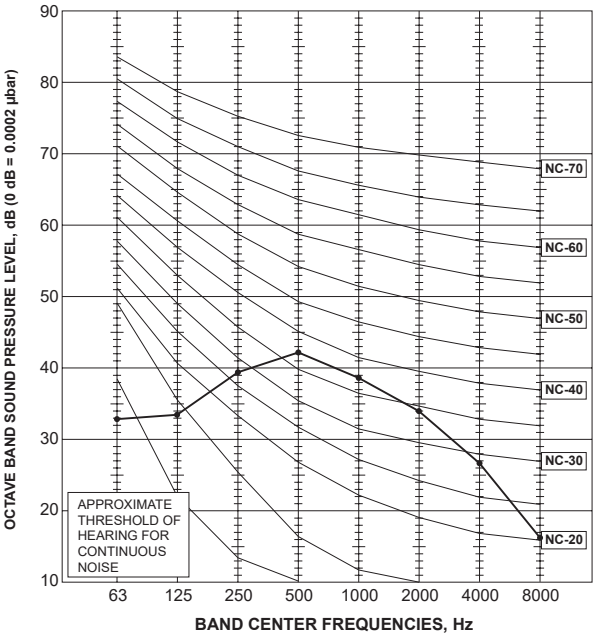
NOTCH	SPL(dB(A))	LINE
COOLING(Rated)	53	
HEATING(Rated)	53	



MSY-GL09NA

INDOOR UNIT

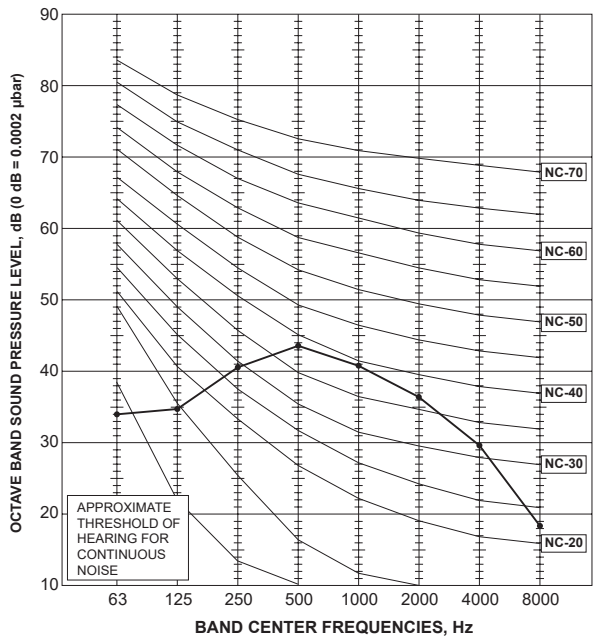
NOTCH	SPL(dB(A))	LINE
COOLING(SHi)	43	
HEATING(SHi)	–	



MSY-GL12NA

INDOOR UNIT

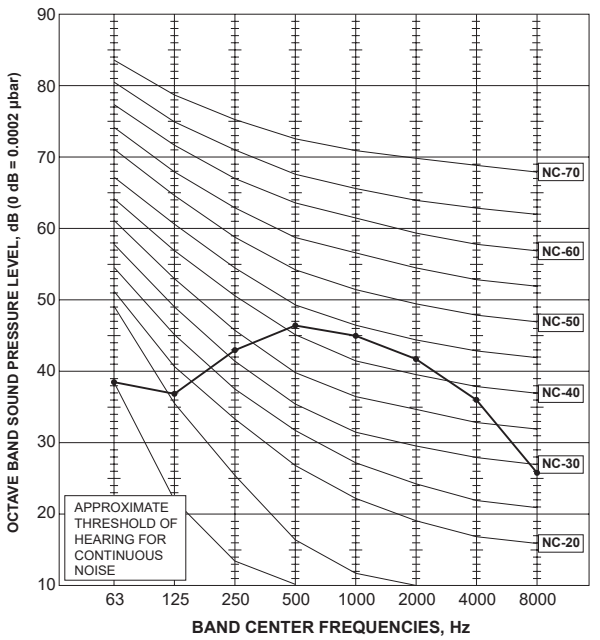
NOTCH	SPL(dB(A))	LINE
COOLING(SHi)	45	
HEATING(SHi)	–	



MSY-GL15NA

INDOOR UNIT

NOTCH	SPL(dB(A))	LINE
COOLING(SHi)	49	
HEATING(SHi)	–	

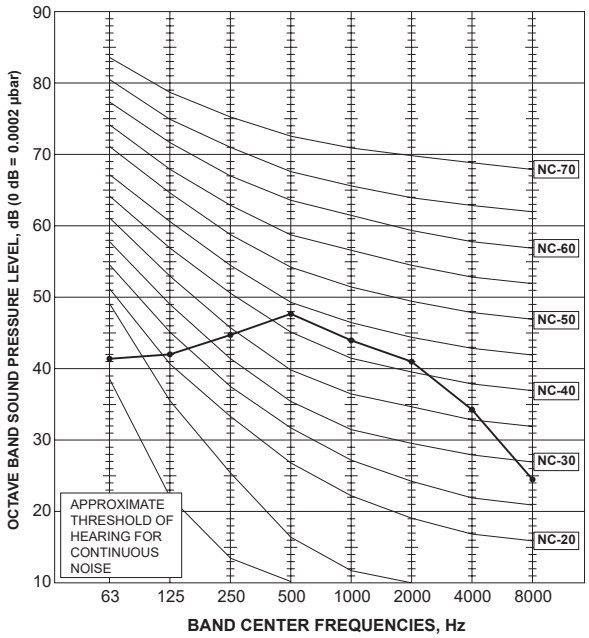


NOTE: The sound level is measured in an anechoic room where echoes are few,when compressor stops. The sound may be bigger than displayed level under actual installation condition by surrounding echoes. The sound level can be higher by about 2 dB than the displayed level during cooling and heating operation.

MSY-GL18NA

INDOOR UNIT

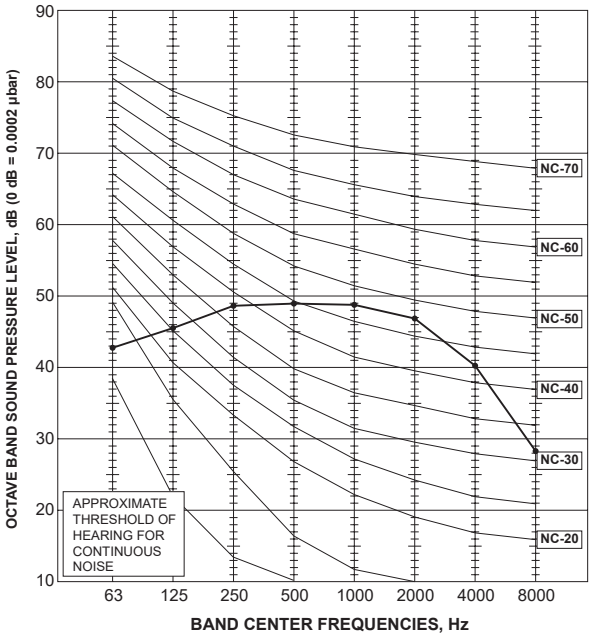
NOTCH	SPL(dB(A))	LINE
COOLING(SHi)	49	●—●
HEATING(SHi)	–	○—○



MSY-GL24NA

INDOOR UNIT

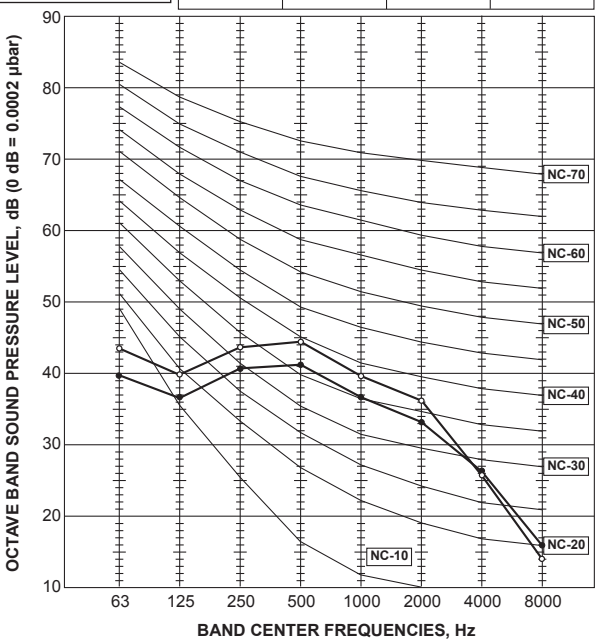
NOTCH	SPL(dB(A))	LINE
COOLING(Rated)	53	●—●
HEATING(Rated)	–	○—○



NOTE: The sound level is measured in an anechoic room where echoes are few,when compressor stops. The sound may be bigger than displayed level under actual installation condition by surrounding echoes. The sound level can be higher by about 2 dB than the displayed level during cooling and heating operation.

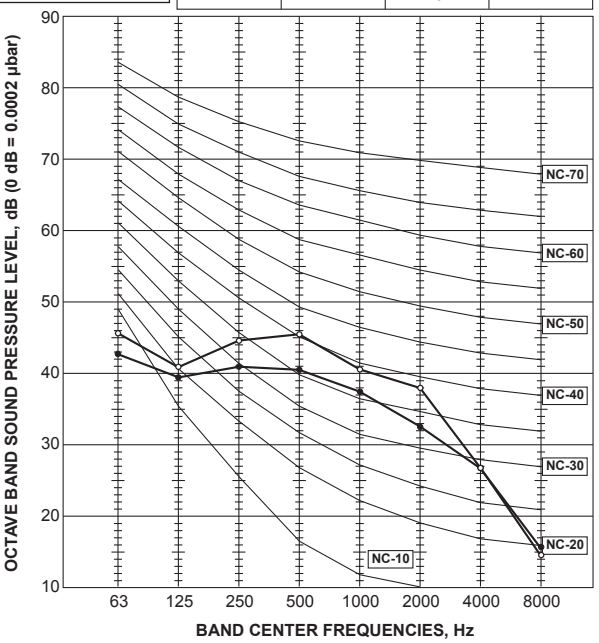
MSZ-EF09NAW
MSZ-EF09NAB
MSZ-EF09NAS
INDOOR UNIT

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	42	●—●
	HEATING	45	○—○



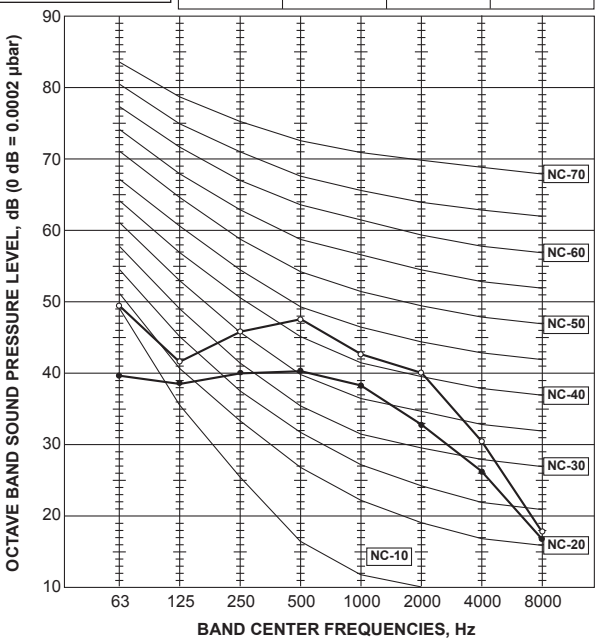
MSZ-EF12NAW
MSZ-EF12NAB
MSZ-EF12NAS
INDOOR UNIT

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	42	●—●
	HEATING	46	○—○



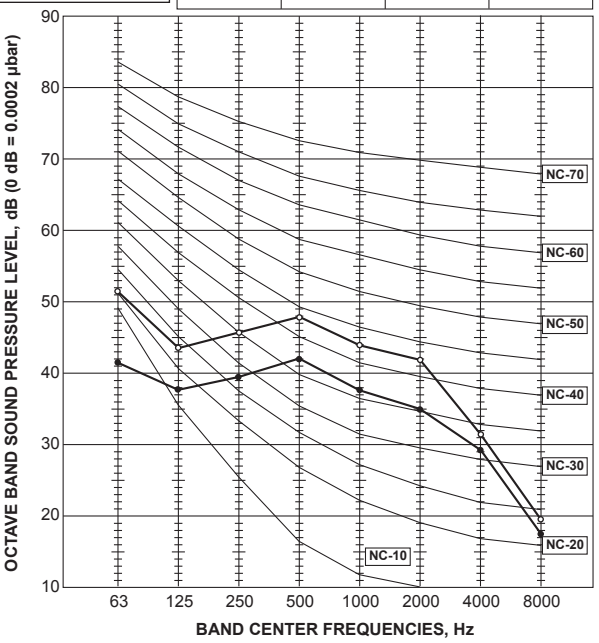
MSZ-EF15NAW
MSZ-EF15NAB
MSZ-EF15NAS
INDOOR UNIT

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	42	●—●
	HEATING	48	○—○



MSZ-EF18NAW
MSZ-EF18NAB
MSZ-EF18NAS
INDOOR UNIT

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	43	●—●
	HEATING	49	○—○

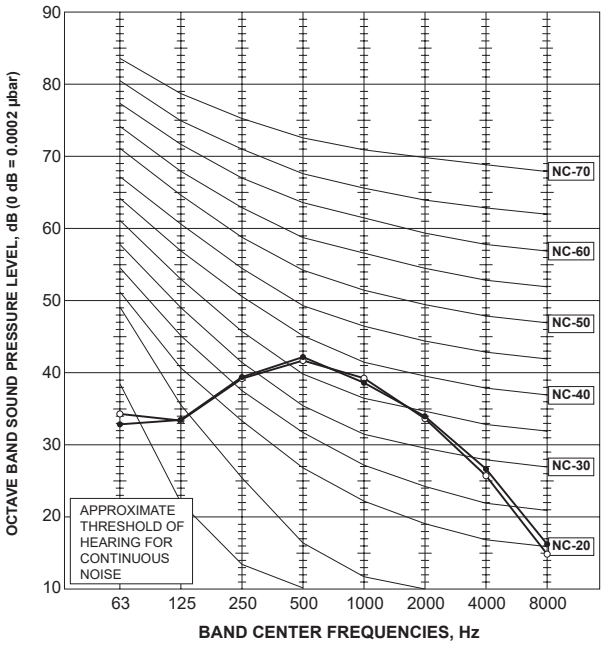


NOTE: The sound level is measured in an anechoic room where echoes are few,when compressor stops. The sound may be bigger than displayed level under actual installation condition by surrounding echoes. The sound level can be higher by about 2 dB than the displayed level during cooling and heating operation.

MSZ-HM09NA

INDOOR UNIT

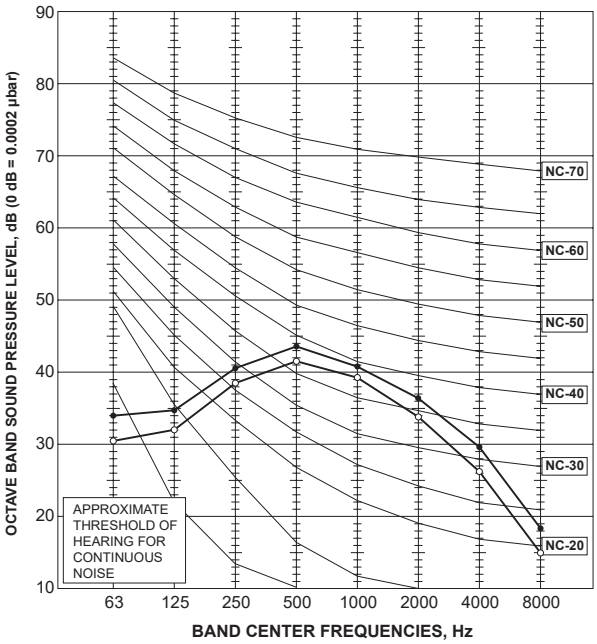
NOTCH	SPL(dB(A))	LINE
COOLING(SHi)	43	●—●
HEATING(SHi)	43	○—○



MSZ-HM12NA

INDOOR UNIT

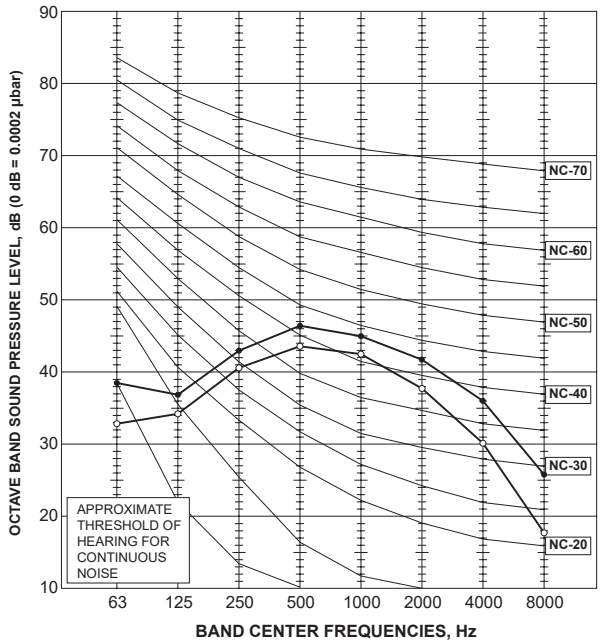
NOTCH	SPL(dB(A))	LINE
COOLING(SHi)	45	●—●
HEATING(SHi)	43	○—○



MSZ-HM15NA

INDOOR UNIT

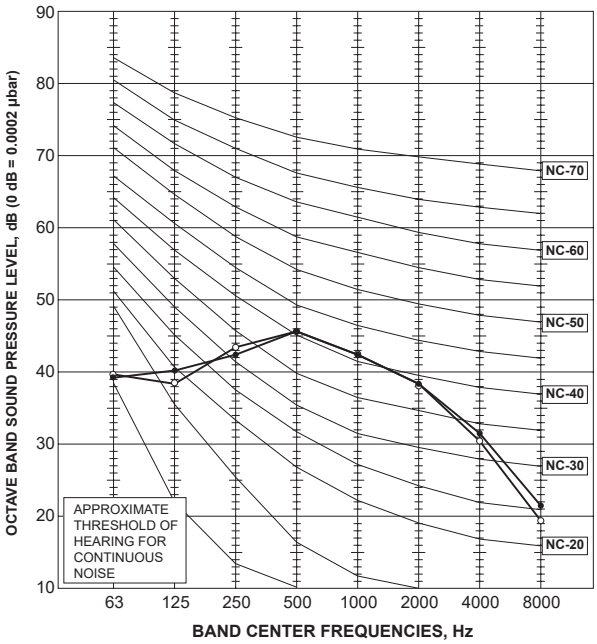
NOTCH	SPL(dB(A))	LINE
COOLING(SHi)	49	●—●
HEATING(SHi)	46	○—○



MSZ-HM18NA

INDOOR UNIT

NOTCH	SPL(dB(A))	LINE
COOLING(SHi)	47	●—●
HEATING(SHi)	47	○—○

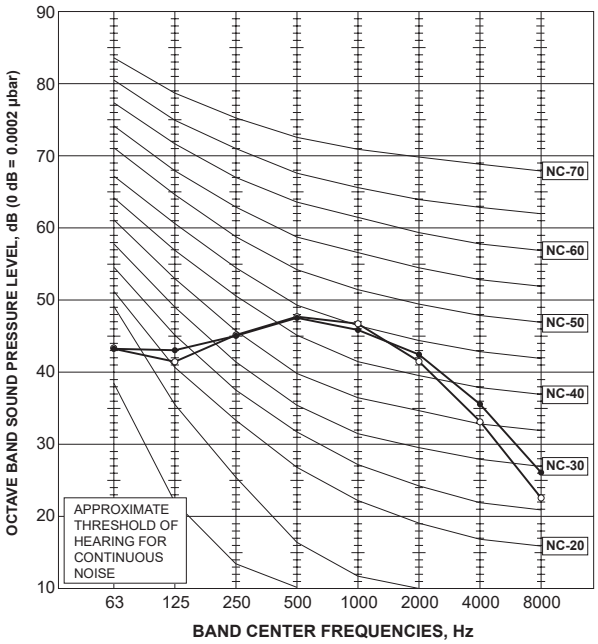


NOTE: The sound level is measured in an anechoic room where echoes are few,when compressor stops. The sound may be bigger than displayed level under actual installation condition by surrounding echoes. The sound level can be higher by about 2 dB than the displayed level during cooling and heating operation.

MSZ-HM24NA

INDOOR UNIT

NOTCH	SPL(dB(A))	LINE
COOLING(SHi)	50	●——●
HEATING(SHi)	50	○——○

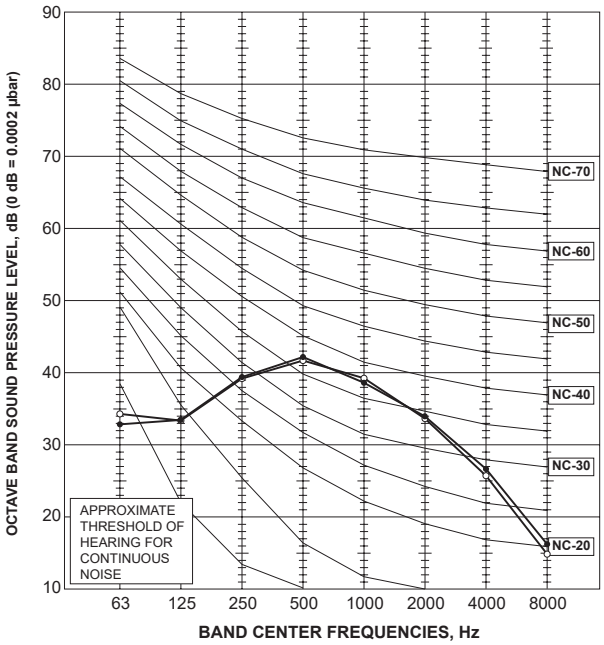


NOTE: The sound level is measured in an anechoic room where echoes are few,when compressor stops. The sound may be bigger than displayed level under actual installation condition by surrounding echoes. The sound level can be higher by about 2 dB than the displayed level during cooling and heating operation.

MSZ-WR09NA

INDOOR UNIT

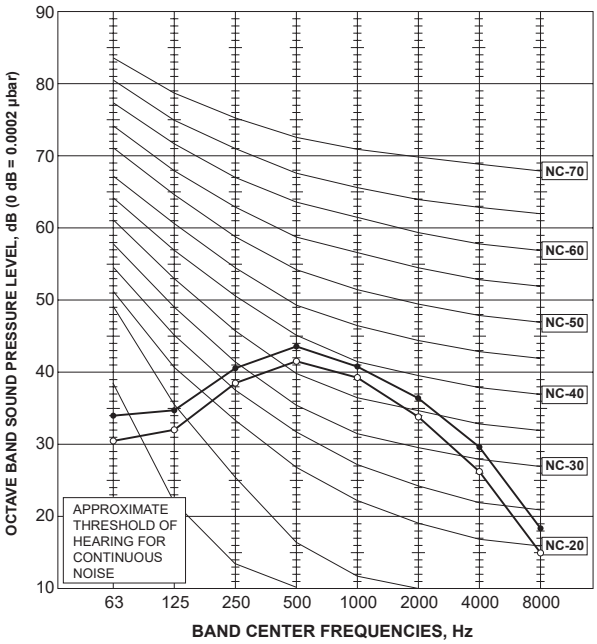
NOTCH	SPL(dB(A))	LINE
COOLING(SHi)	43	
HEATING(SHi)	43	



MSZ-WR12NA

INDOOR UNIT

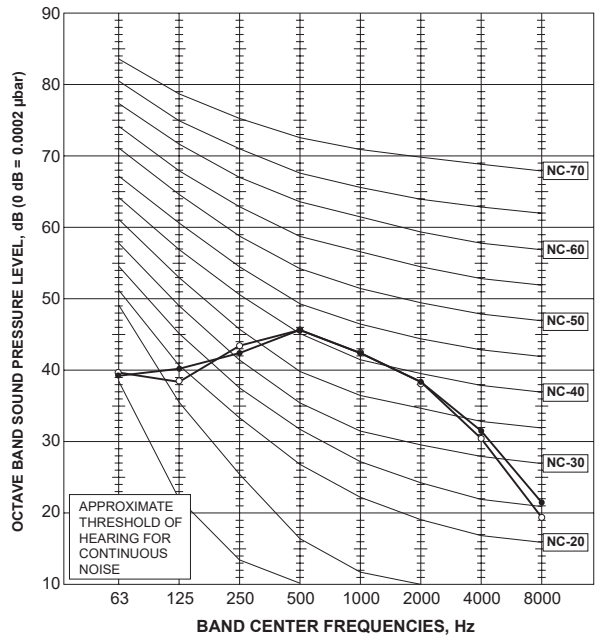
NOTCH	SPL(dB(A))	LINE
COOLING(SHi)	45	
HEATING(SHi)	43	



MSZ-WR18NA

INDOOR UNIT

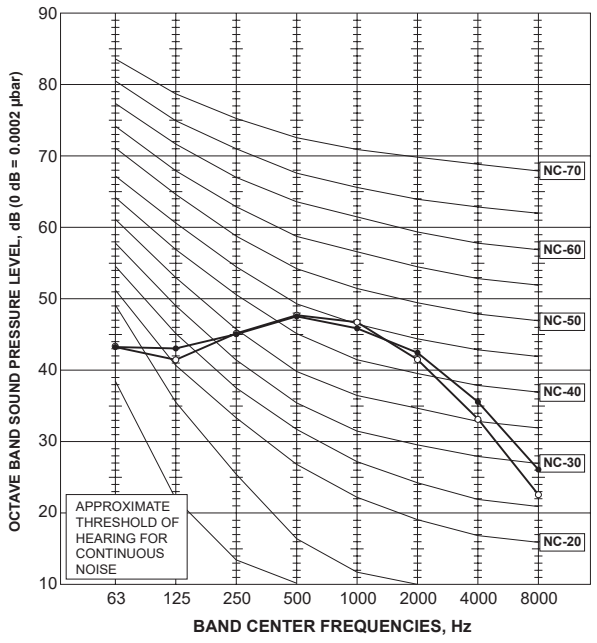
NOTCH	SPL(dB(A))	LINE
COOLING(SHi)	47	
HEATING(SHi)	47	



MSZ-WR24NA

INDOOR UNIT

NOTCH	SPL(dB(A))	LINE
COOLING(SHi)	50	
HEATING(SHi)	50	

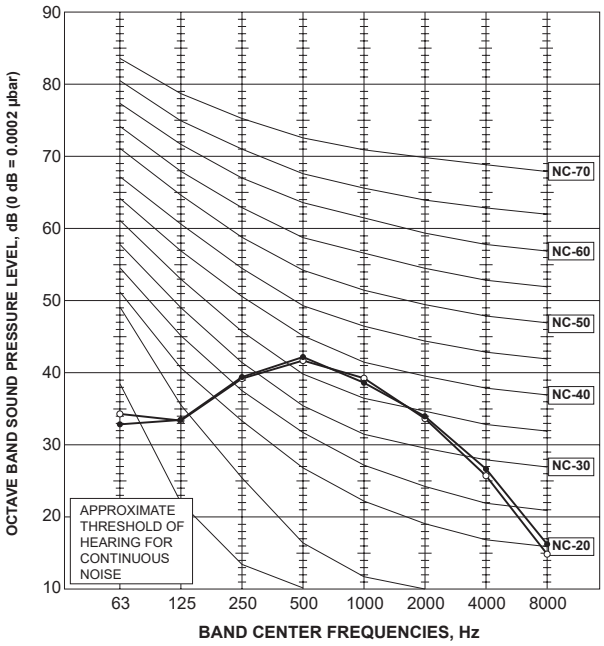


NOTE: The sound level is measured in an anechoic room where echoes are few,when compressor stops. The sound may be bigger than displayed level under actual installation condition by surrounding echoes. The sound level can be higher by about 2 dB than the displayed level during cooling and heating operation.

MSZ-JP09WA

INDOOR UNIT

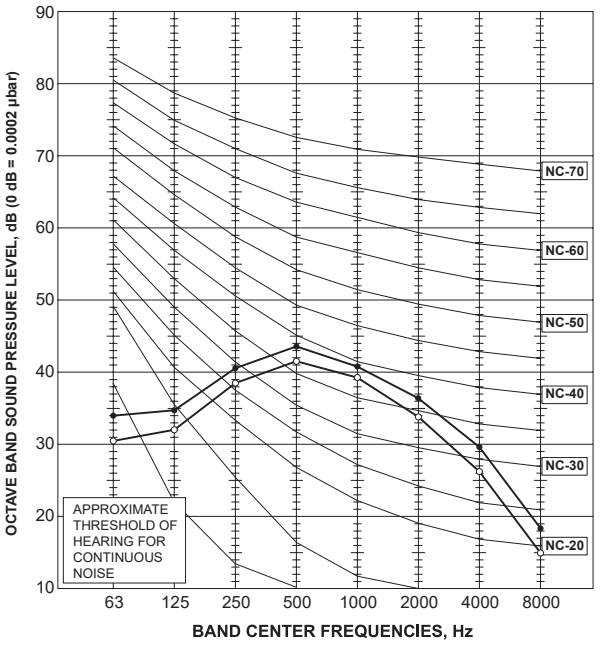
NOTCH	SPL(dB(A))	LINE
COOLING(SHi)	43	●—●
HEATING(SHi)	43	○—○

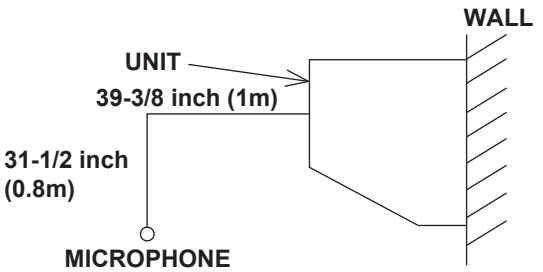


MSZ-JP12WA

INDOOR UNIT

NOTCH	SPL(dB(A))	LINE
COOLING(SHi)	45	●—●
HEATING(SHi)	43	○—○



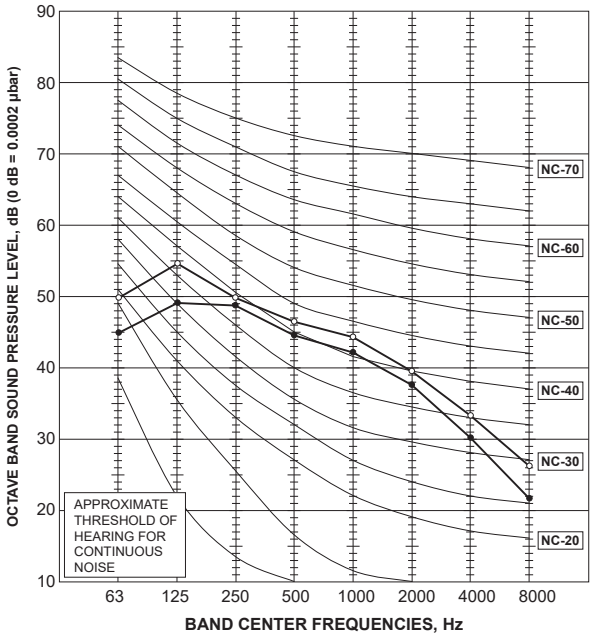


NOTE: The sound level is measured in an anechoic room where echoes are few,when compressor stops. The sound may be bigger than displayed level under actual installation condition by surrounding echoes. The sound level can be higher by about 2 dB than the displayed level during cooling and heating operation.

A.1.7.2 Outdoor Unit

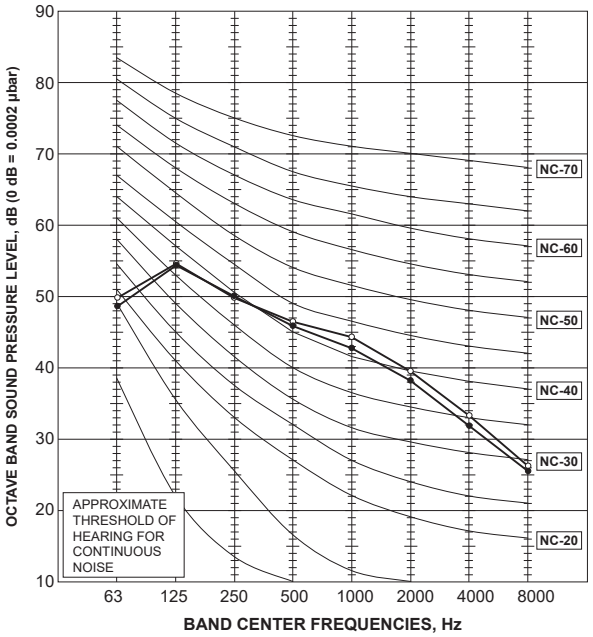
MUZ-FS06NA
MUZ-FS06NAH
OUTDOOR UNIT

NOTCH	SPL(dB(A))	LINE
COOLING	47	●—●
HEATING	49	○—○



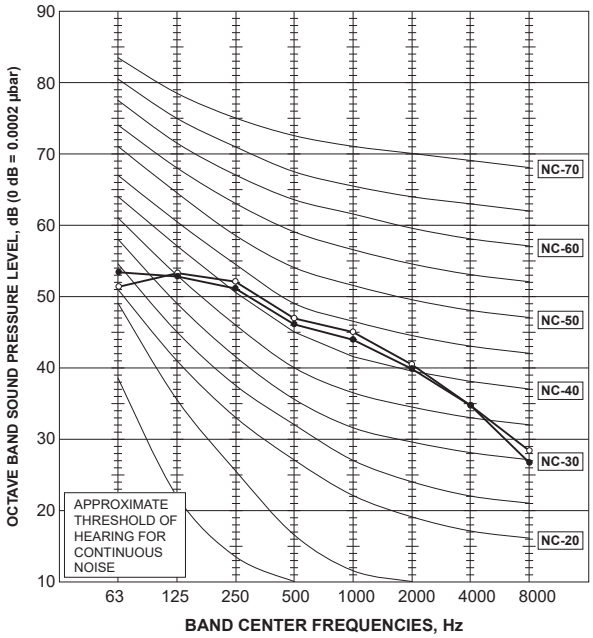
MUZ-FS09NA
MUZ-FS09NAH
OUTDOOR UNIT

NOTCH	SPL(dB(A))	LINE
COOLING	48	●—●
HEATING	49	○—○



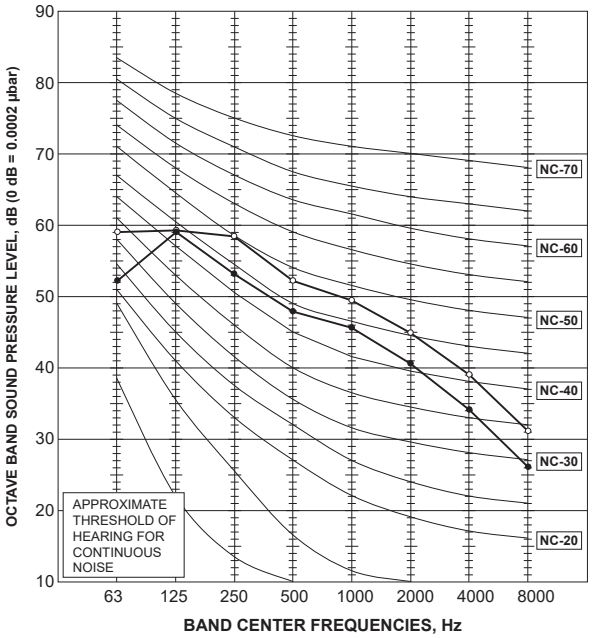
MUZ-FS12NA
MUZ-FS12NAH
OUTDOOR UNIT

NOTCH	SPL(dB(A))	LINE
COOLING	49	●—●
HEATING	50	○—○



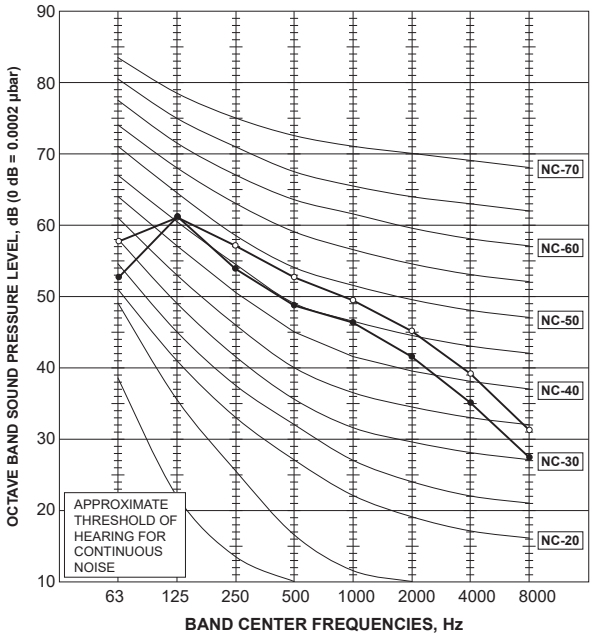
MUZ-FS15NA
MUZ-FS15NAH
OUTDOOR UNIT

NOTCH	SPL(dB(A))	LINE
COOLING	51	●—●
HEATING	55	○—○



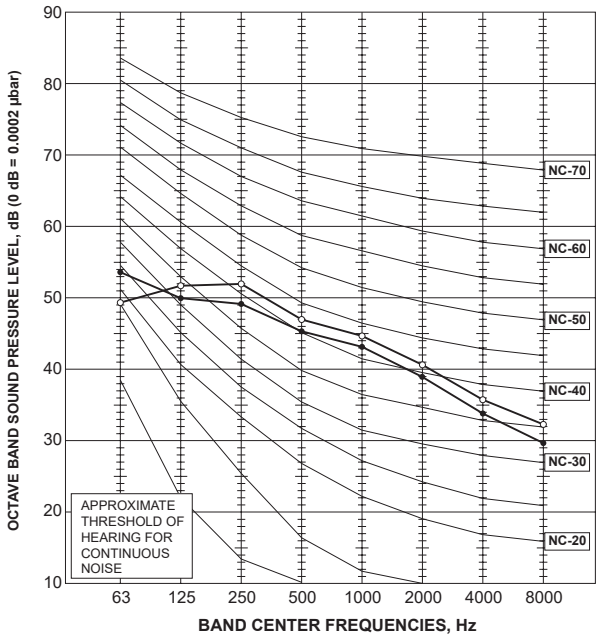
MUZ-FS18NA
MUZ-FS18NAH
OUTDOOR UNIT

NOTCH	SPL(dB(A))	LINE
COOLING	52	●——●
HEATING	55	○——○



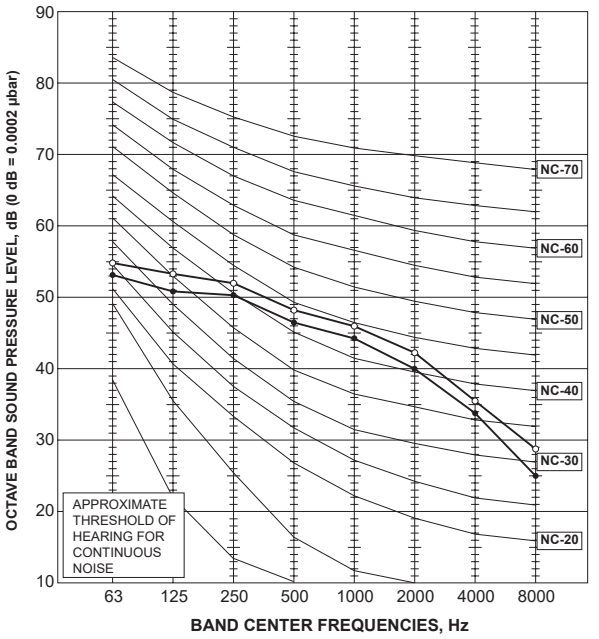
MUZ-GL09NA
MUZ-GL09NAH
OUTDOOR UNIT

NOTCH	SPL(dB(A))	LINE
COOLING	48	●—●
HEATING	50	○—○



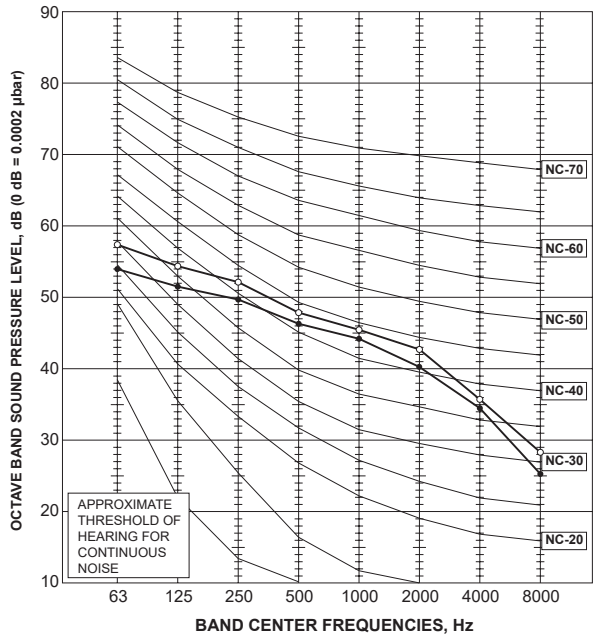
MUZ-GL12NA
MUZ-GL12NAH
OUTDOOR UNIT

NOTCH	SPL(dB(A))	LINE
COOLING	49	●—●
HEATING	51	○—○



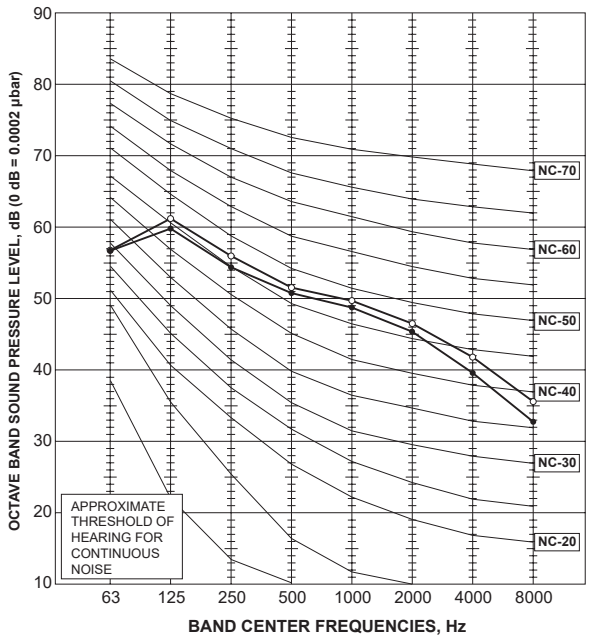
MUZ-GL15NA
MUZ-GL15NAH
OUTDOOR UNIT

NOTCH	SPL(dB(A))	LINE
COOLING	49	●—●
HEATING	51	○—○



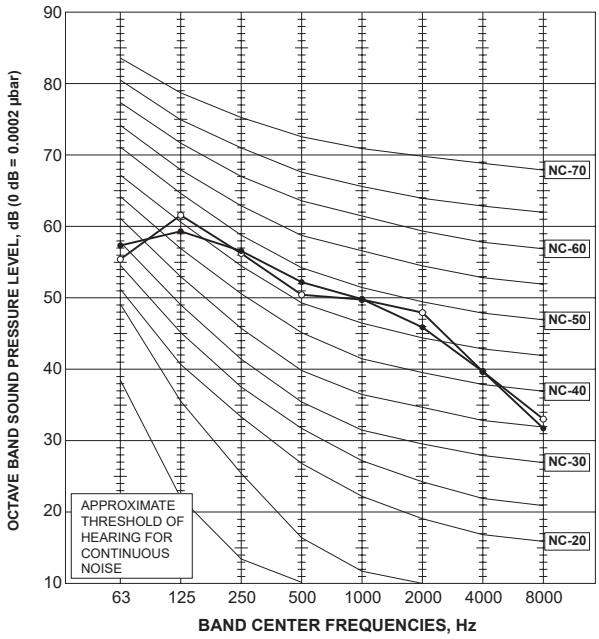
MUZ-GL18NA
MUZ-GL18NAH
OUTDOOR UNIT

NOTCH	SPL(dB(A))	LINE
COOLING	54	●—●
HEATING	55	○—○



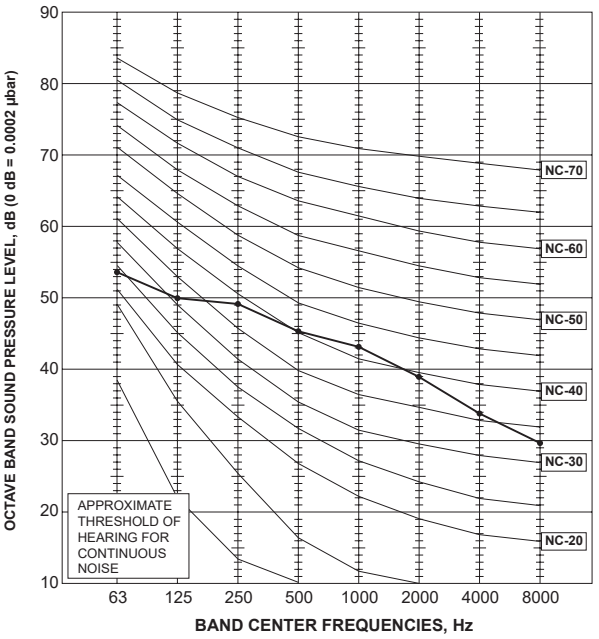
MUZ-GL24NA
MUZ-GL24NAH
OUTDOOR UNIT

NOTCH	SPL(dB(A))	LINE
COOLING	55	●—●
HEATING	55	○—○



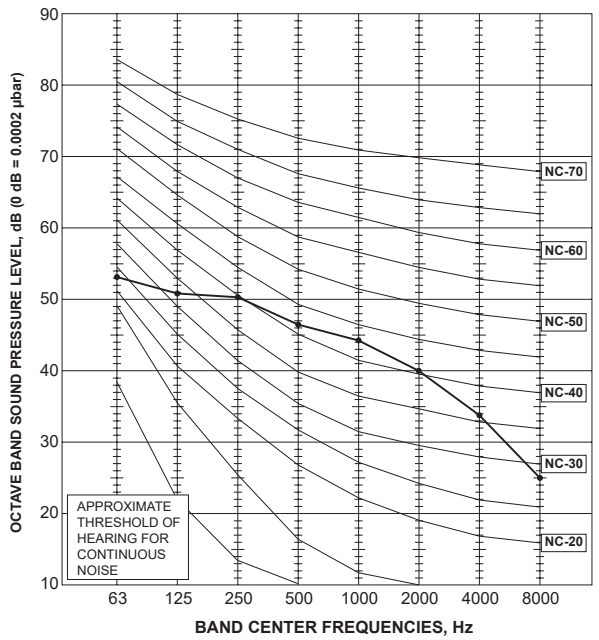
MUY-GL09NA
OUTDOOR UNIT

NOTCH	SPL(dB(A))	LINE
COOLING	48	●—●
HEATING	—	○—○



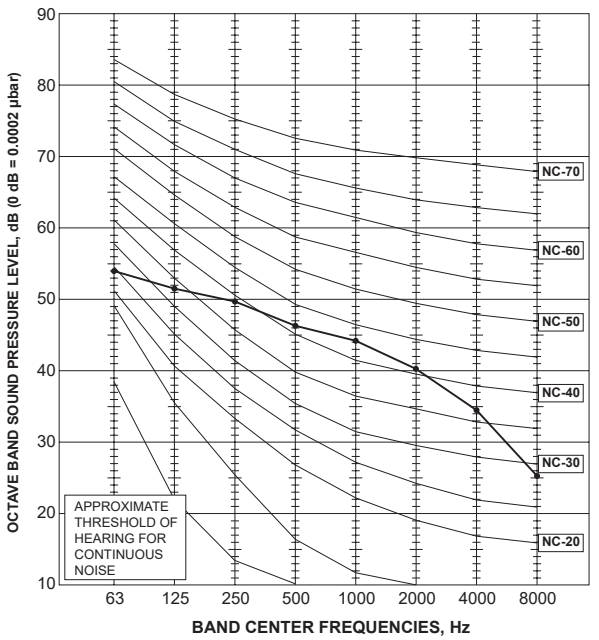
MUY-GL12NA
OUTDOOR UNIT

NOTCH	SPL(dB(A))	LINE
COOLING	49	●—●
HEATING	—	○—○



MUY-GL15NA
OUTDOOR UNIT

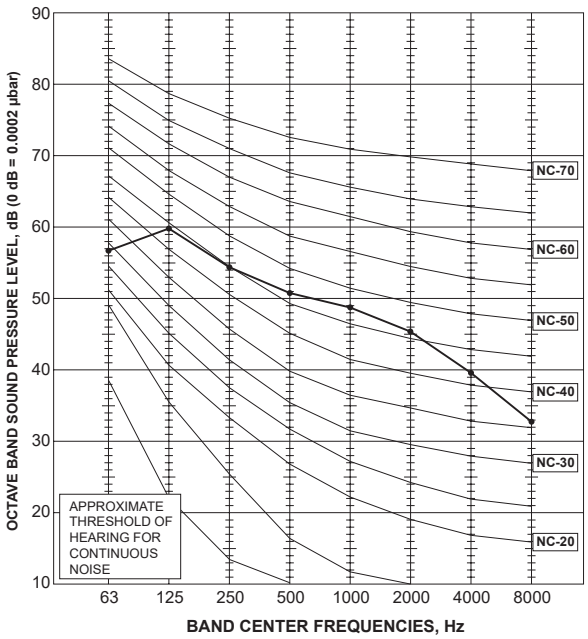
NOTCH	SPL(dB(A))	LINE
COOLING	49	●—●
HEATING	—	○—○



MUY-GL18NA

OUTDOOR UNIT

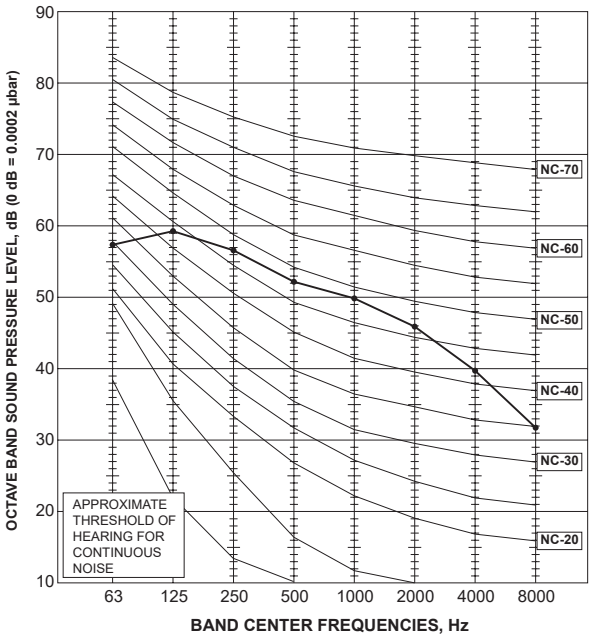
NOTCH	SPL(dB(A))	LINE
COOLING	54	●—●
HEATING	–	○—○



MUY-GL24NA

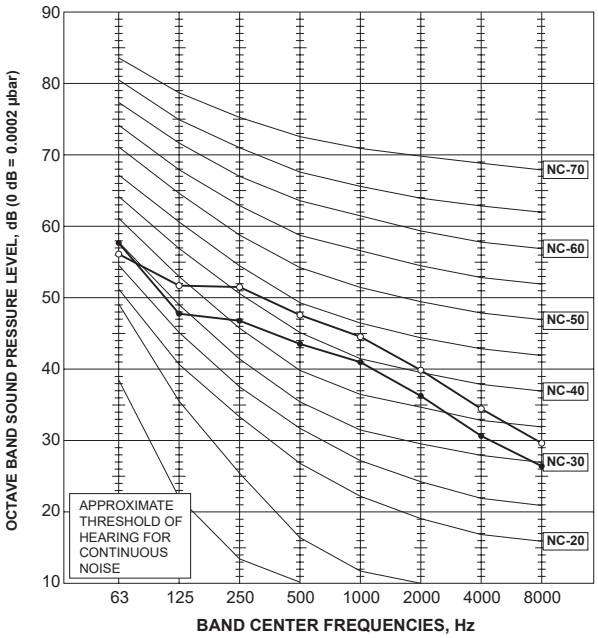
OUTDOOR UNIT

NOTCH	SPL(dB(A))	LINE
COOLING	55	●—●
HEATING	–	○—○



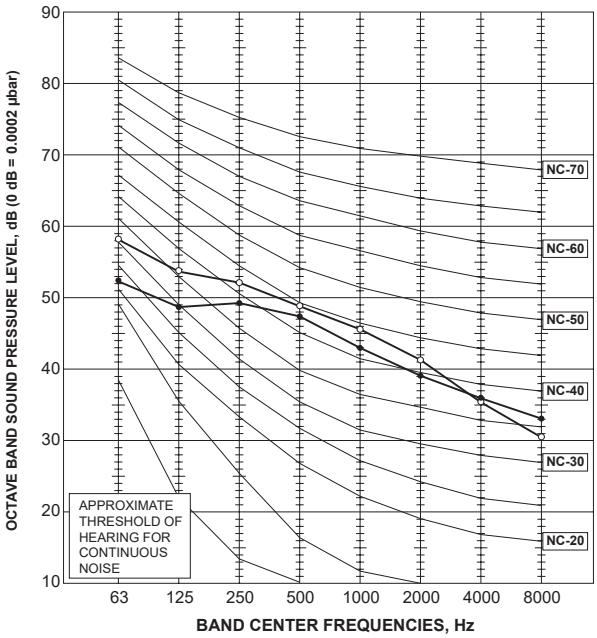
MUZ-HM09NA
MUZ-HM09NAH
OUTDOOR UNIT

NOTCH	SPL(dB(A))	LINE
COOLING	46	●—●
HEATING	50	○—○



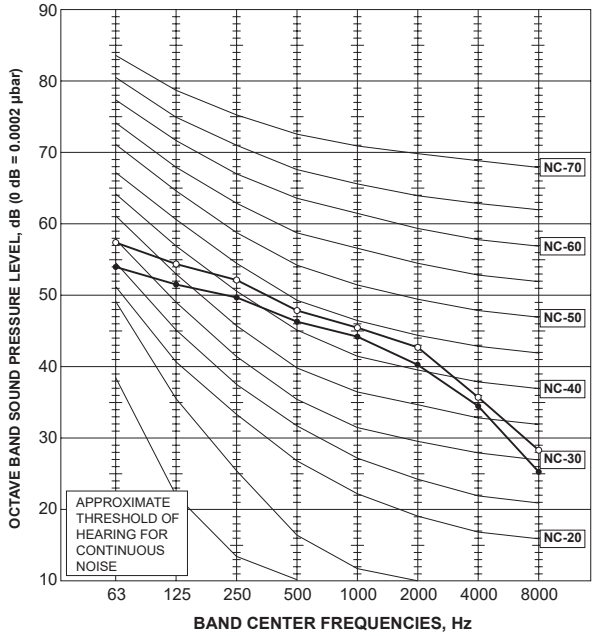
MUZ-HM12NA
MUZ-HM12NAH
OUTDOOR UNIT

NOTCH	SPL(dB(A))	LINE
COOLING	49	●—●
HEATING	51	○—○



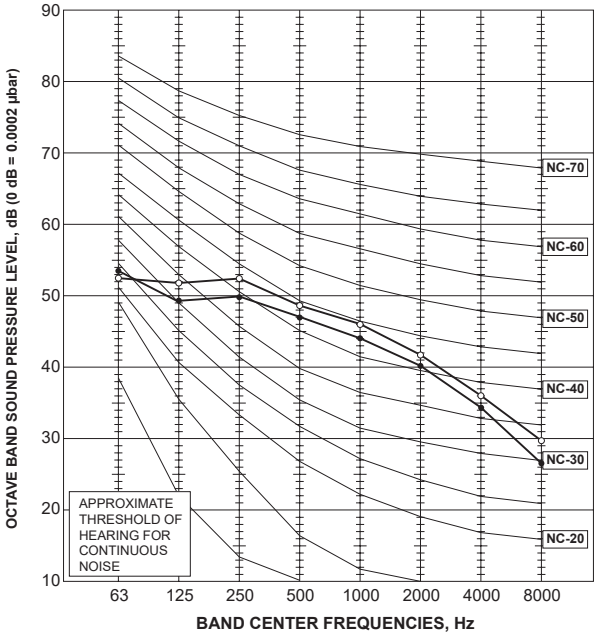
MUZ-HM15NA
MUZ-HM15NAH
OUTDOOR UNIT

NOTCH	SPL(dB(A))	LINE
COOLING	49	●—●
HEATING	51	○—○



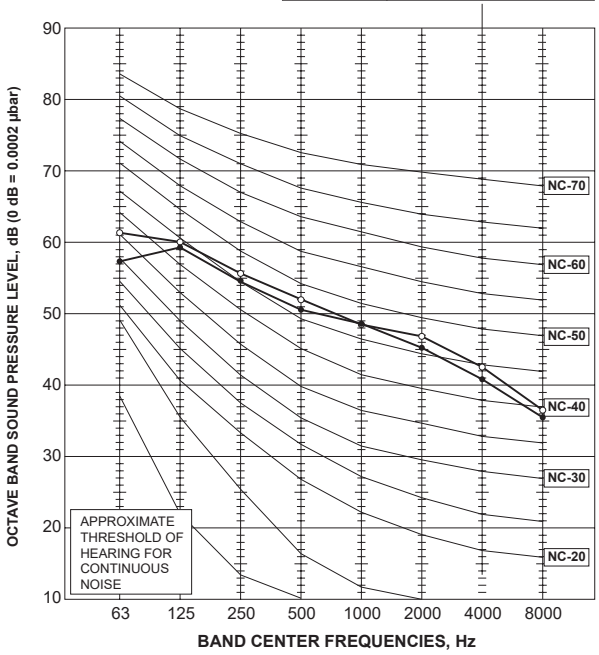
MUZ-HM18NA
MUZ-HM18NAH
OUTDOOR UNIT

NOTCH	SPL(dB(A))	LINE
COOLING	49	●—●
HEATING	51	○—○



MUZ-HM24NA
MUZ-HM24NAH
OUTDOOR UNIT

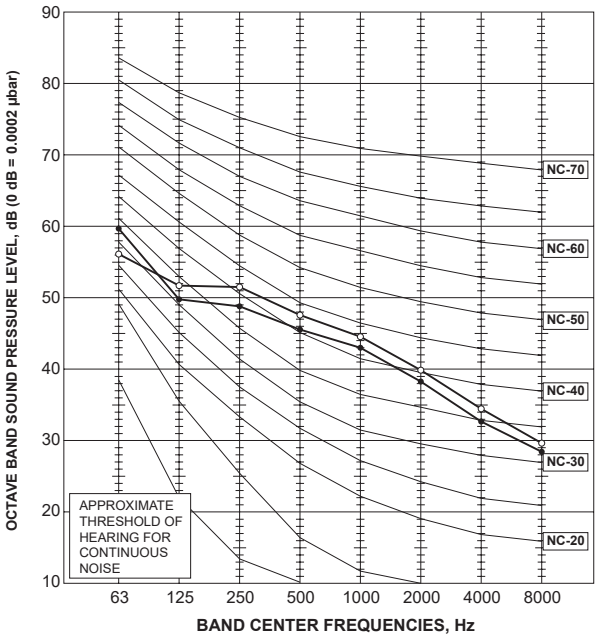
NOTCH	SPL(dB(A))	LINE
COOLING	54	●—●
HEATING	55	○—○



MUZ-WR09NA

OUTDOOR UNIT

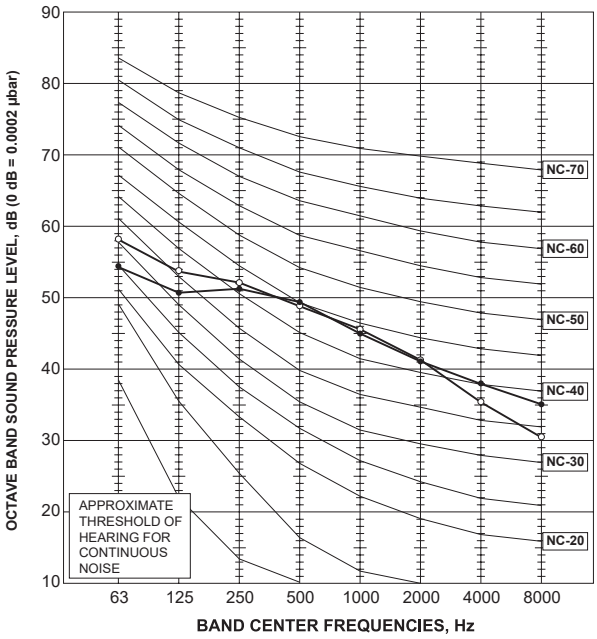
NOTCH	SPL(dB(A))	LINE
COOLING	48	●—●
HEATING	50	○—○



MUZ-WR12NA

OUTDOOR UNIT

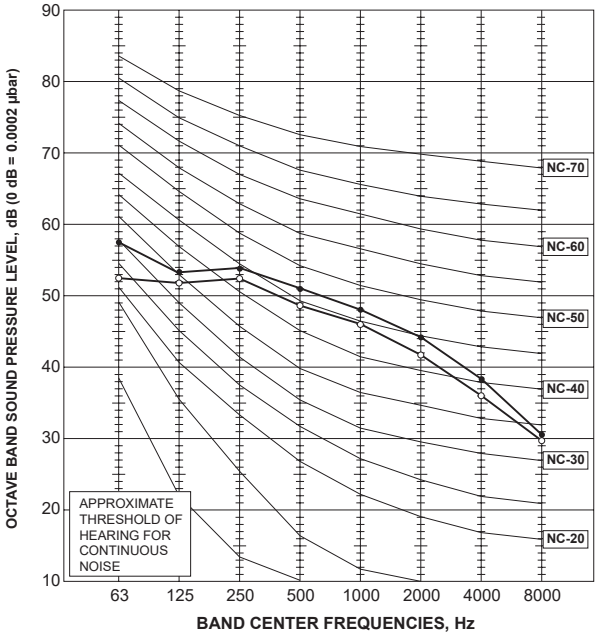
NOTCH	SPL(dB(A))	LINE
COOLING	51	●—●
HEATING	51	○—○



MUZ-WR18NA

OUTDOOR UNIT

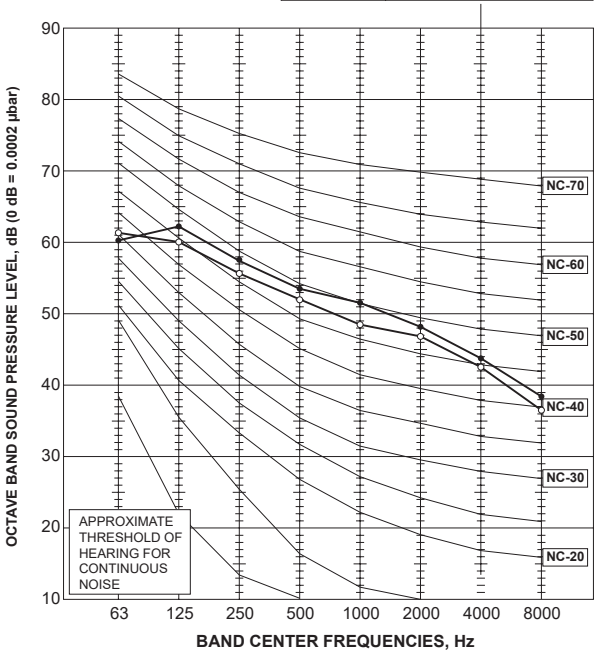
NOTCH	SPL(dB(A))	LINE
COOLING	53	●—●
HEATING	51	○—○



MUZ-WR24NA

OUTDOOR UNIT

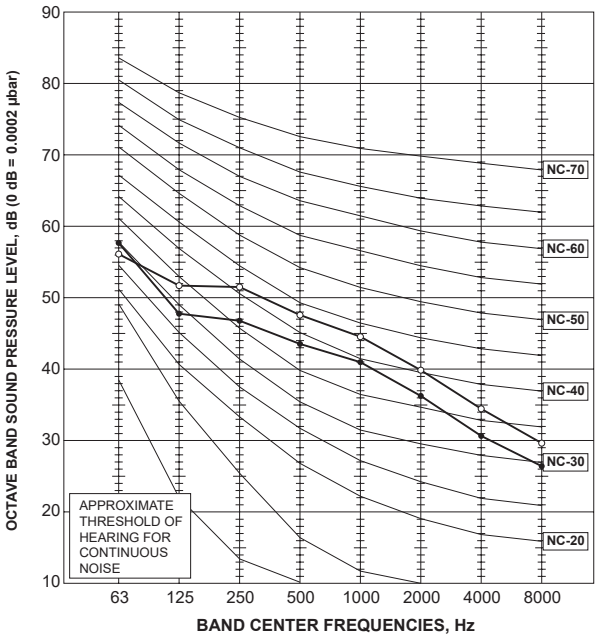
NOTCH	SPL(dB(A))	LINE
COOLING	57	●—●
HEATING	55	○—○



MUZ-JP09WA

OUTDOOR UNIT

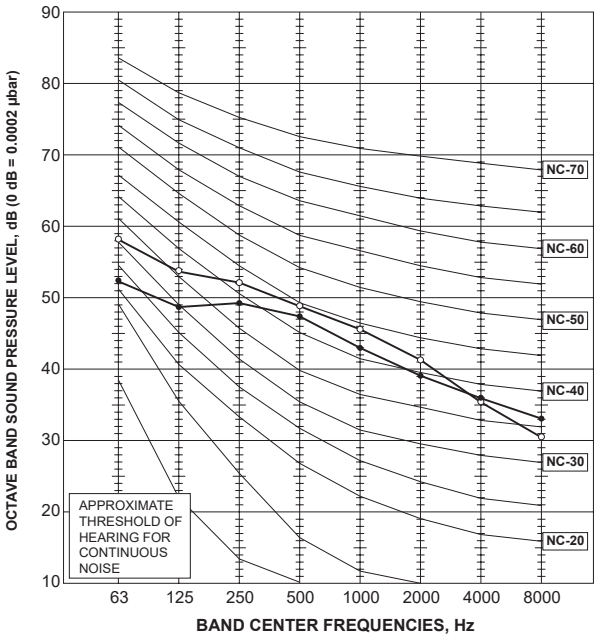
NOTCH	SPL(dB(A))	LINE
COOLING	46	●——●
HEATING	50	○——○

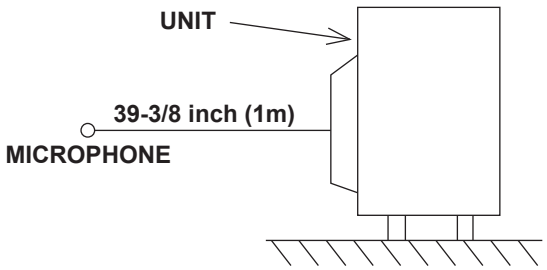


MUZ-JP12WA

OUTDOOR UNIT

NOTCH	SPL(dB(A))	LINE
COOLING	49	●——●
HEATING	51	○——○





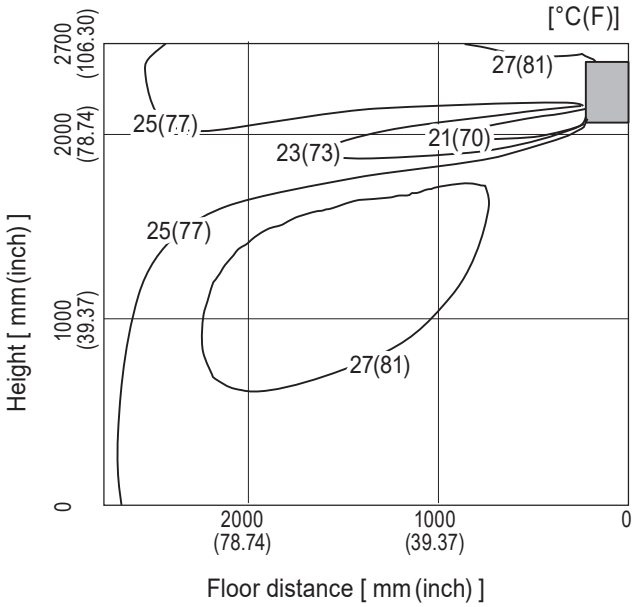
A.1.8 TEMPERATURE AND AIR FLOW DISTRIBUTIONS

MSZ-FS06NA

Temperature distribution

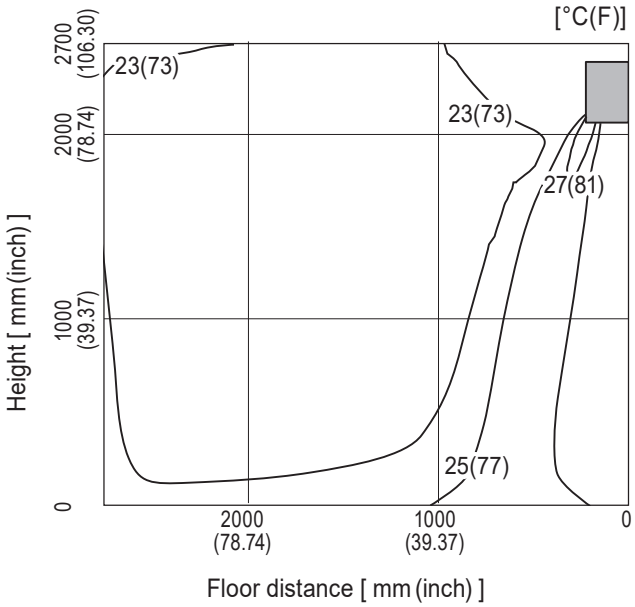
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

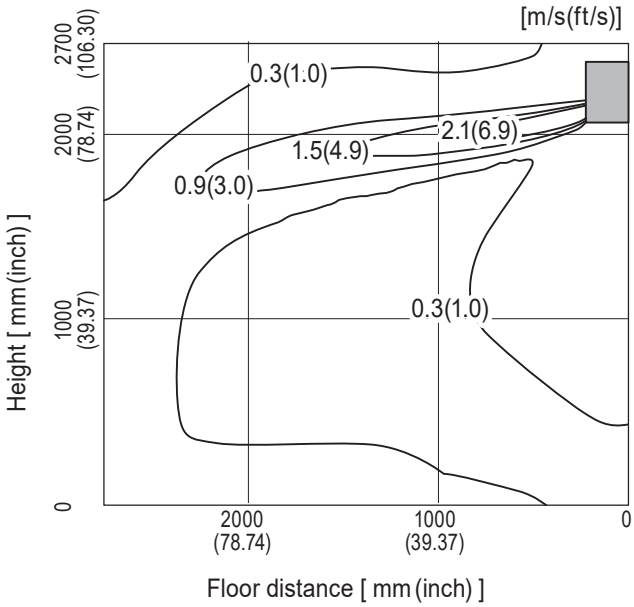
Air volume: high
Air direction: auto (downward air flow)



Airflow distribution

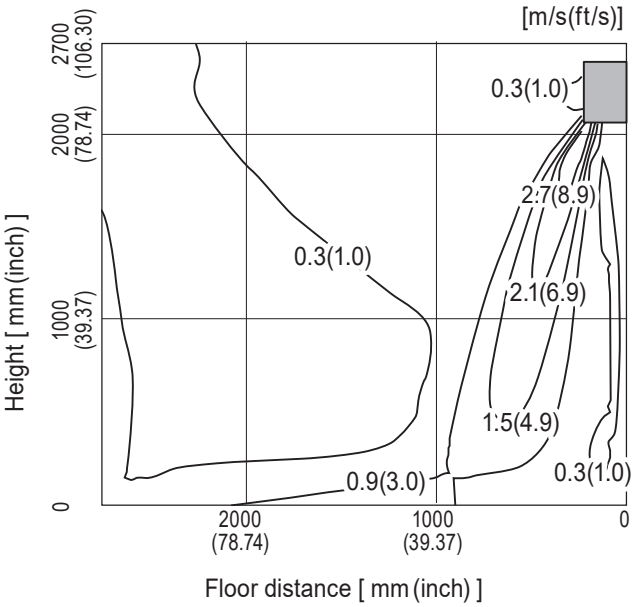
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

Air volume: high
Air direction: auto (downward air flow)



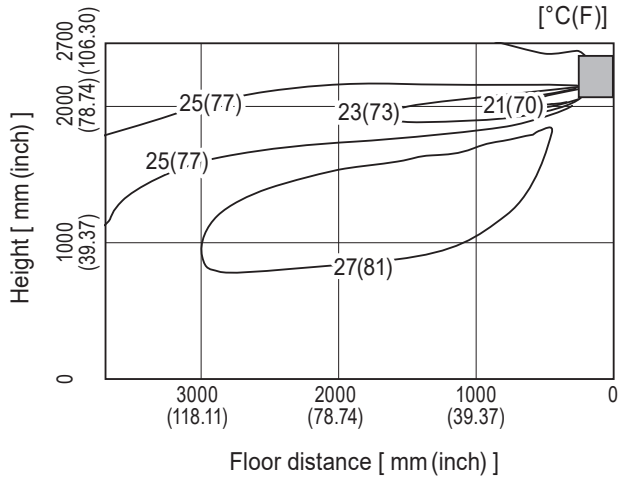
Note: These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

MSZ-FS09NA

Temperature distribution

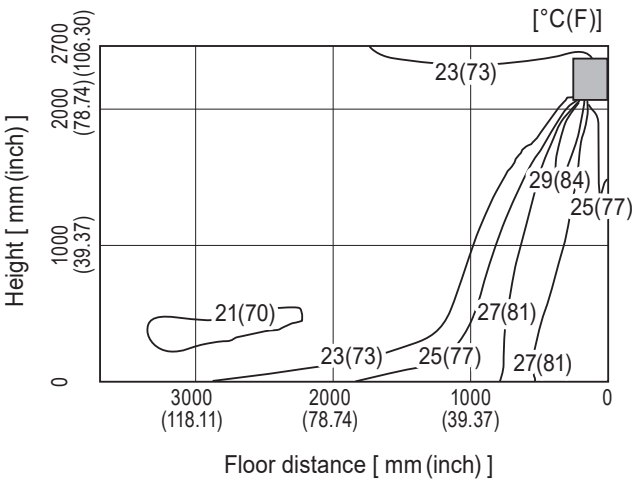
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

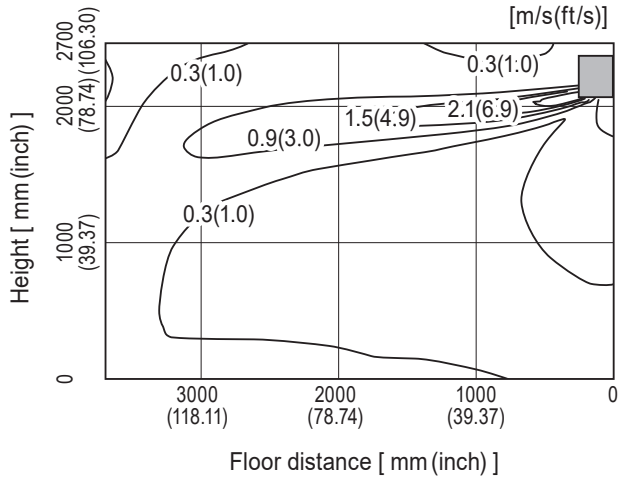
Air volume: high
Air direction: auto (downward air flow)



Airflow distribution

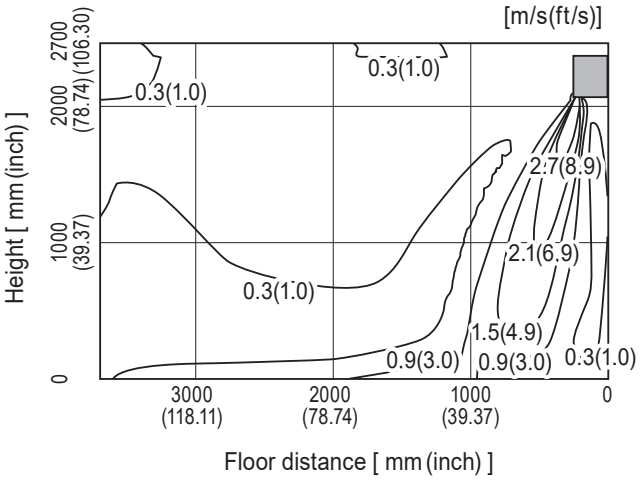
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

Air volume: high
Air direction: auto (downward air flow)



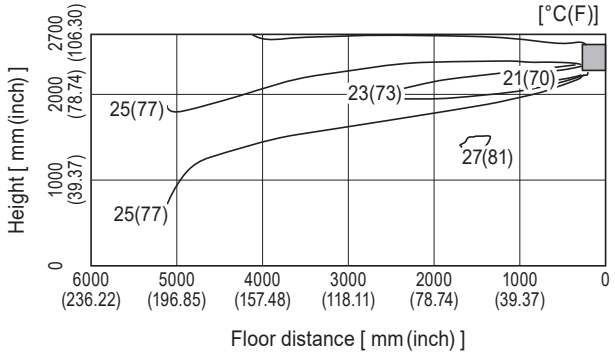
Note: These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

MSZ-FS12NA

Temperature distribution

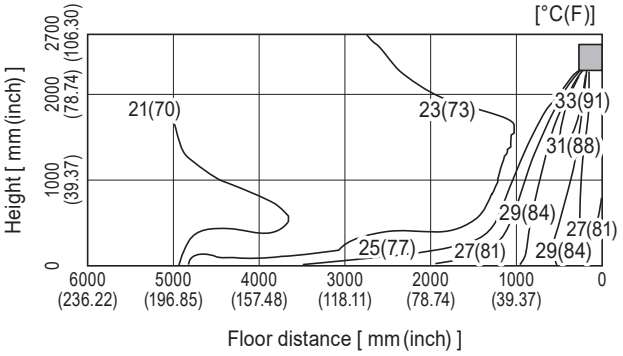
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

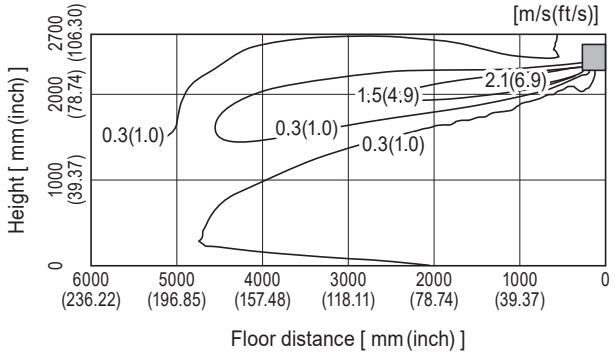
Air volume: high
Air direction: auto (downward air flow)



Airflow distribution

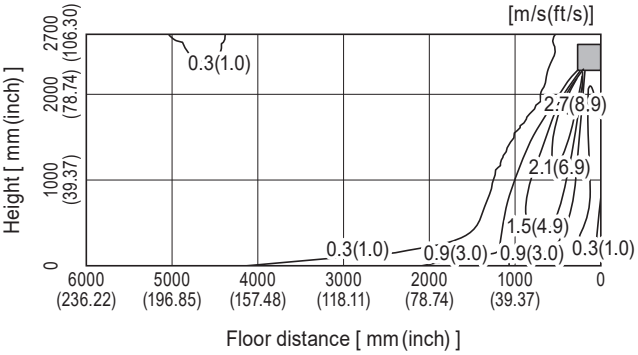
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

Air volume: high
Air direction: auto (downward air flow)



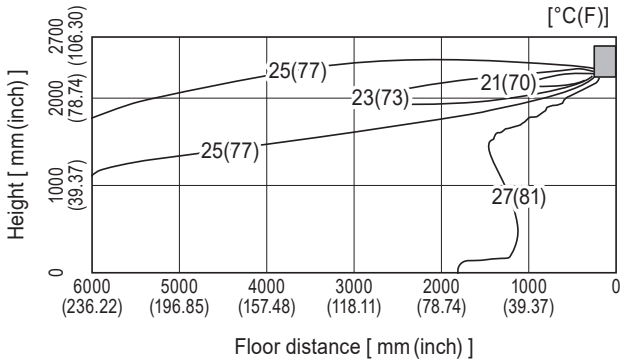
Note: These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

MSZ-FS15NA

Temperature distribution

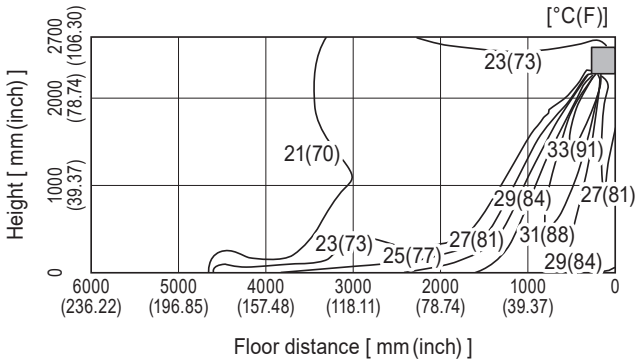
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

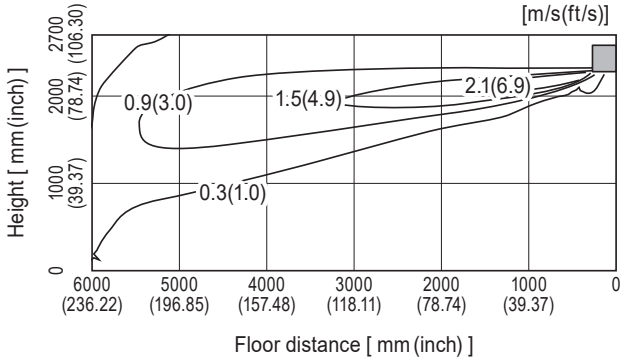
Air volume: high
Air direction: auto (downward air flow)



Airflow distribution

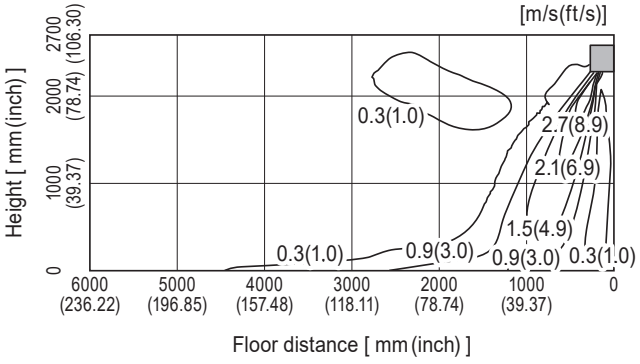
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

Air volume: high
Air direction: auto (downward air flow)



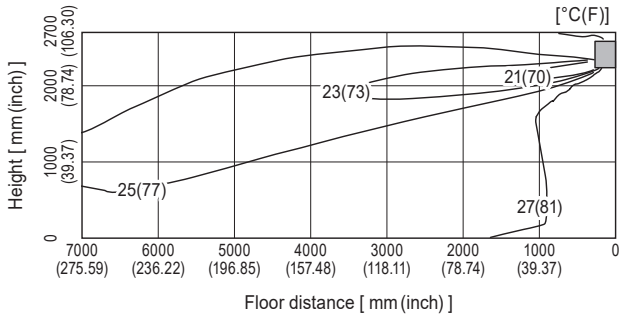
Note: These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

MSZ-FS18NA

Temperature distribution

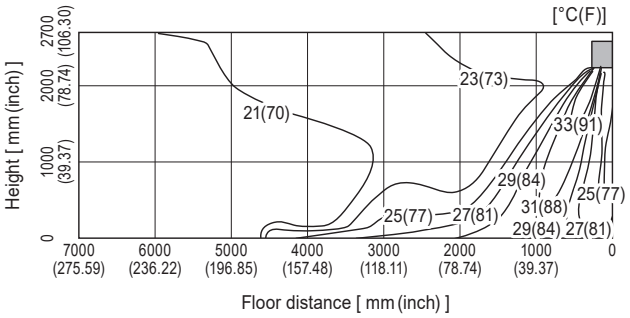
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

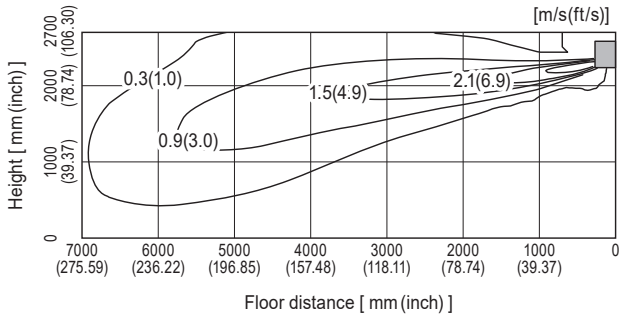
Air volume: high
Air direction: auto (downward air flow)



Airflow distribution

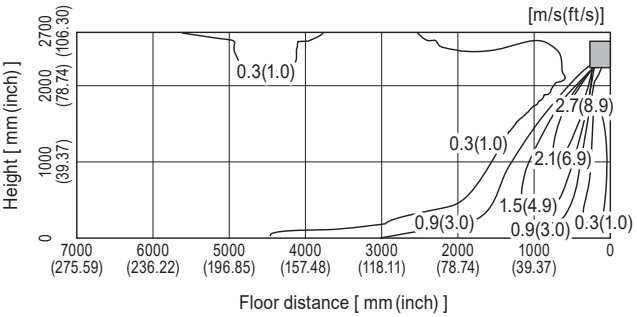
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

Air volume: high
Air direction: auto (downward air flow)



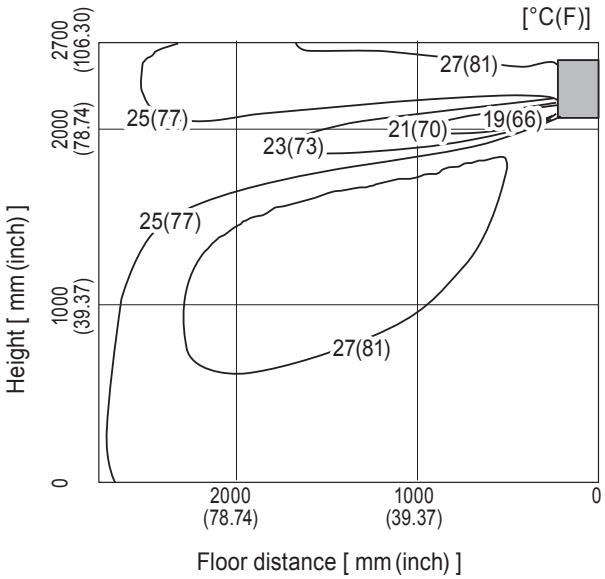
Note: These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

MSZ-GL06NA

Temperature distribution

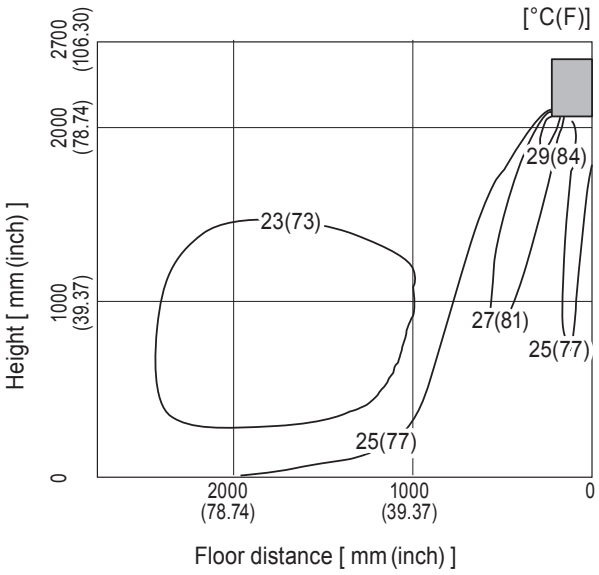
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

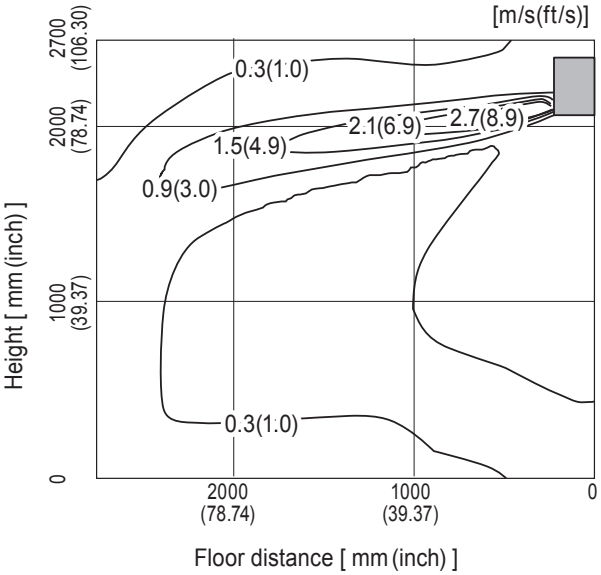
Air volume: high
Air direction: auto (downward air flow)



Airflow distribution

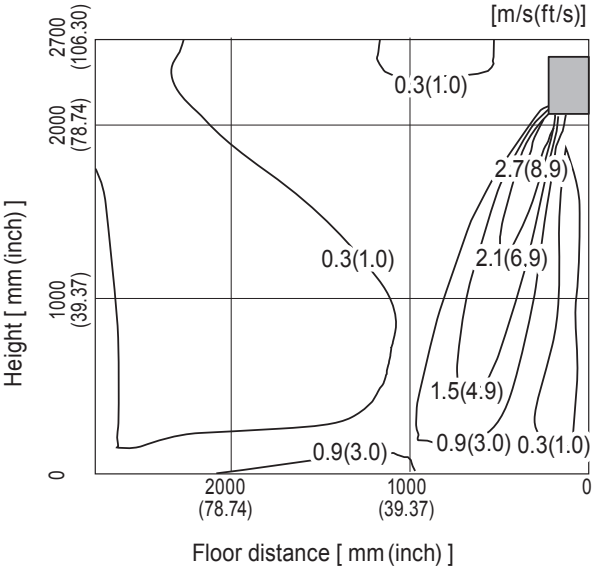
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

Air volume: high
Air direction: auto (downward air flow)



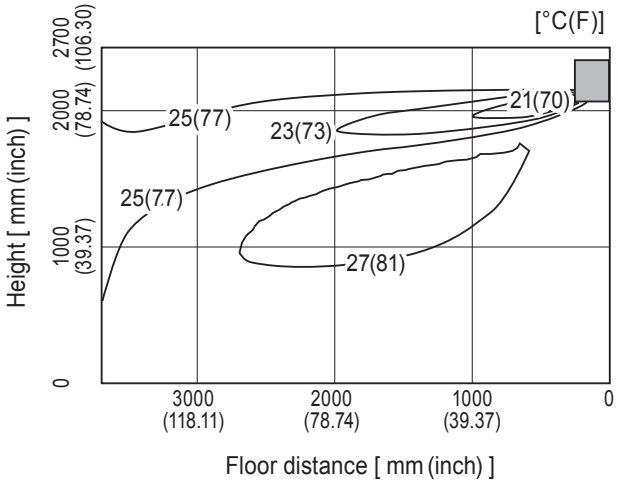
Note: These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

MSZ-GL09NA

Temperature distribution

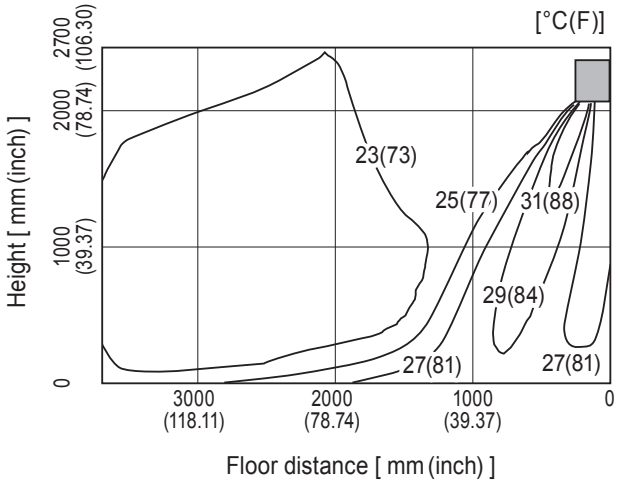
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

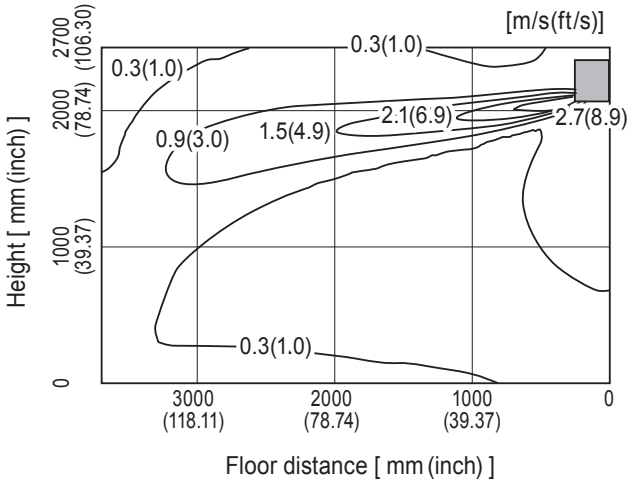
Air volume: high
Air direction: auto (downward air flow)



Airflow distribution

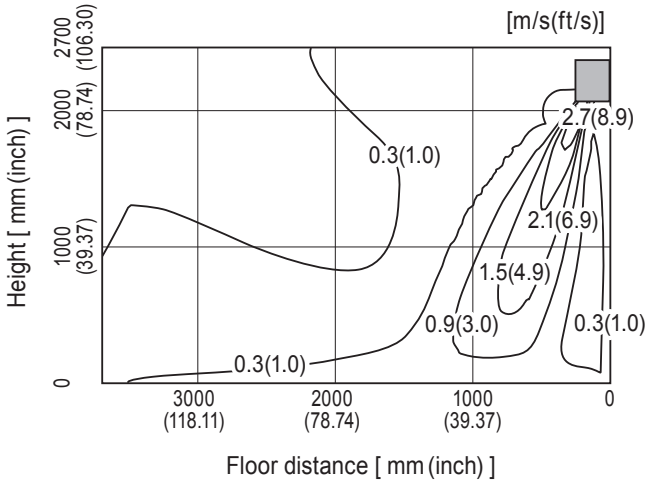
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

Air volume: high
Air direction: auto (downward air flow)



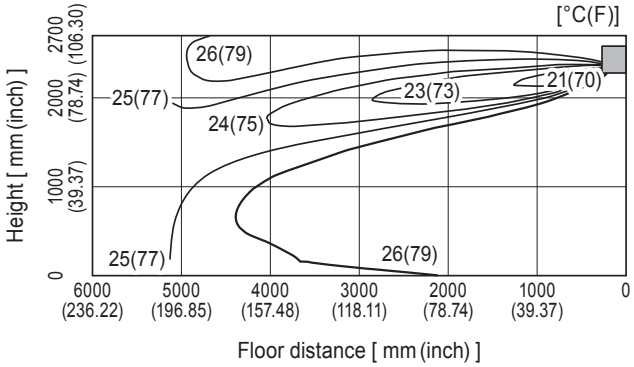
Note: These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

MSZ-GL12NA

Temperature distribution

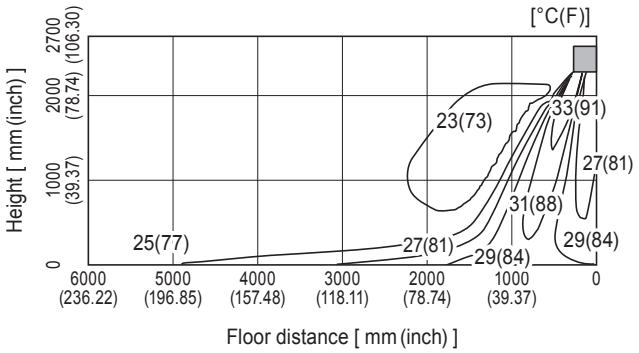
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

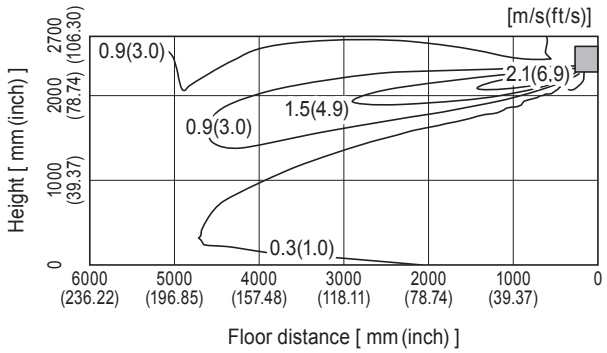
Air volume: high
Air direction: auto (downward air flow)



Airflow distribution

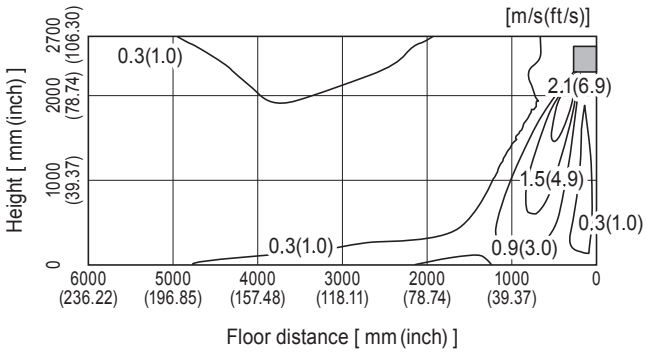
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

Air volume: high
Air direction: auto (downward air flow)



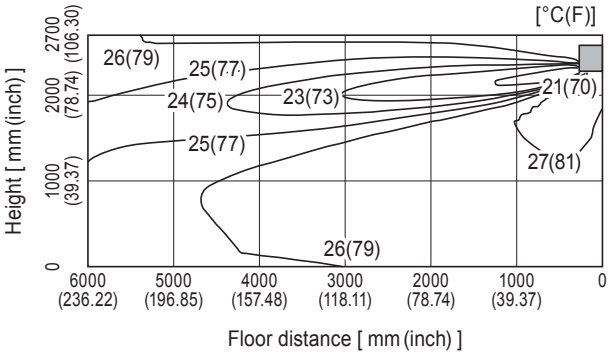
Note: These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

MSZ-GL15NA

Temperature distribution

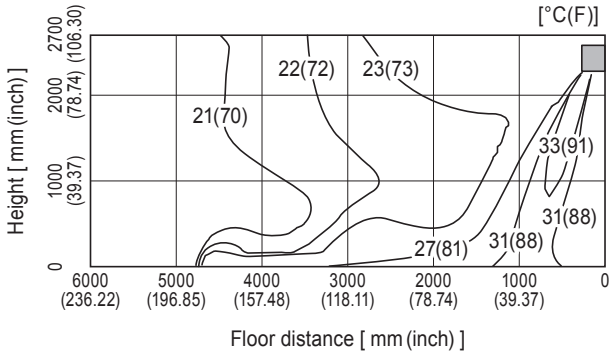
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

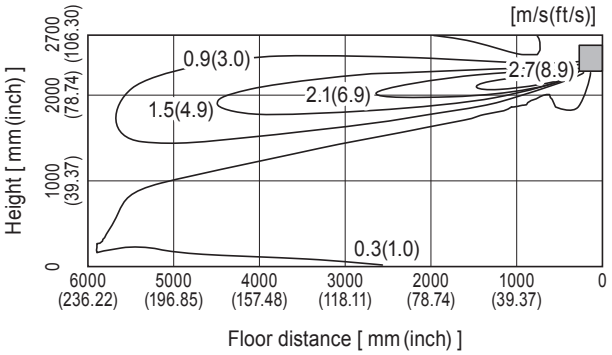
Air volume: high
Air direction: auto (downward air flow)



Airflow distribution

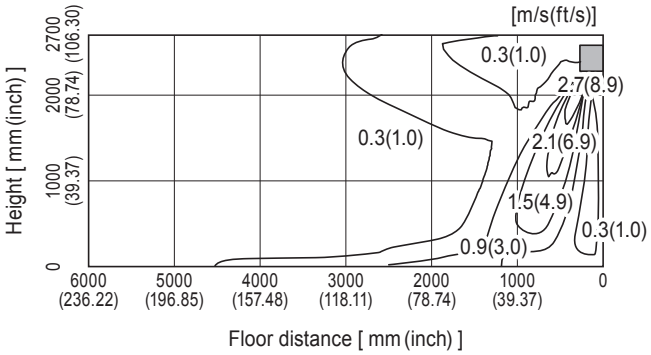
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

Air volume: high
Air direction: auto (downward air flow)



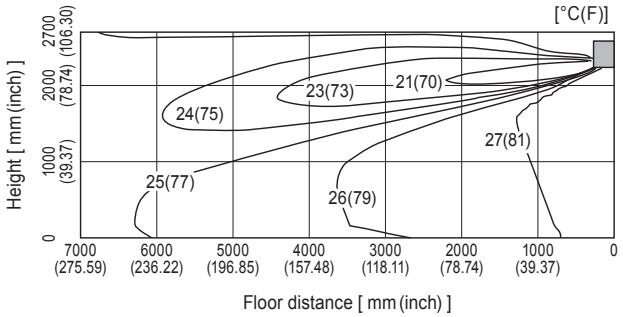
Note: These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

MSZ-GL18NA

Temperature distribution

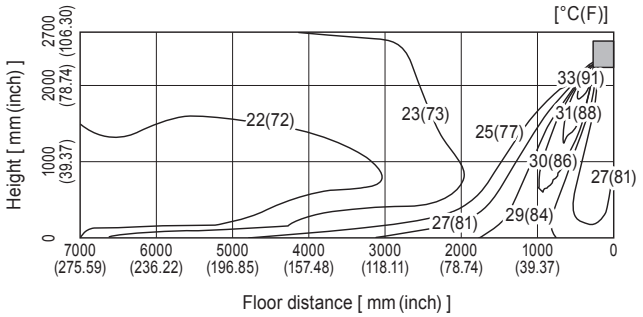
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

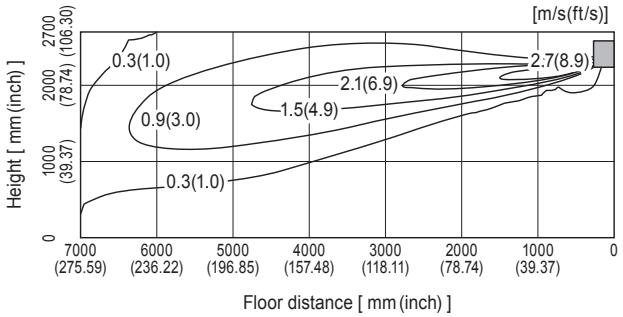
Air volume: high
Air direction: auto (downward air flow)



Airflow distribution

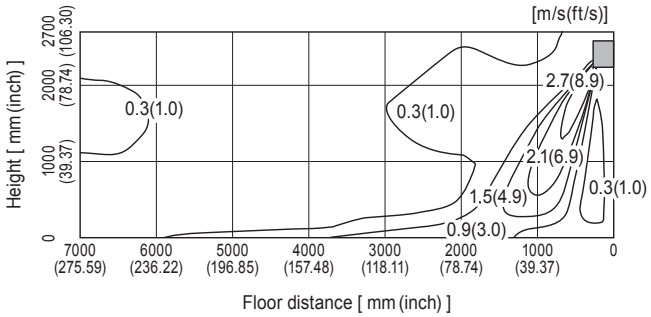
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

Air volume: high
Air direction: auto (downward air flow)



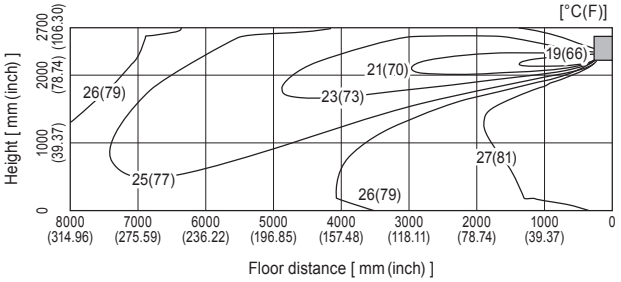
Note: These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

MSZ-GL24NA

Temperature distribution

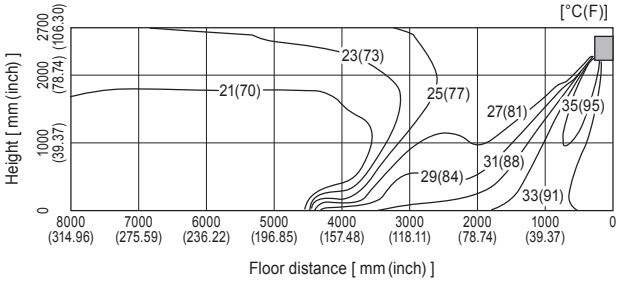
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

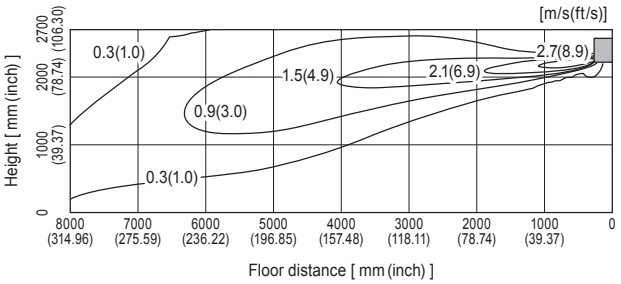
Air volume: high
Air direction: auto (downward air flow)



Airflow distribution

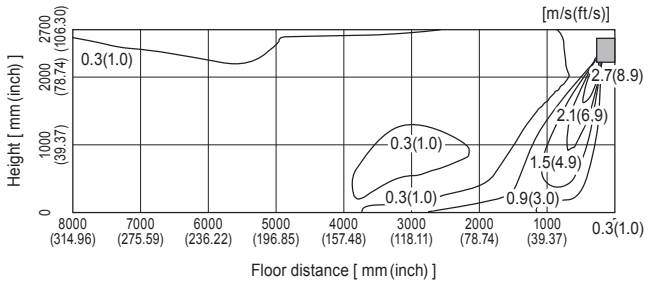
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

Air volume: high
Air direction: auto (downward air flow)



Note: These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

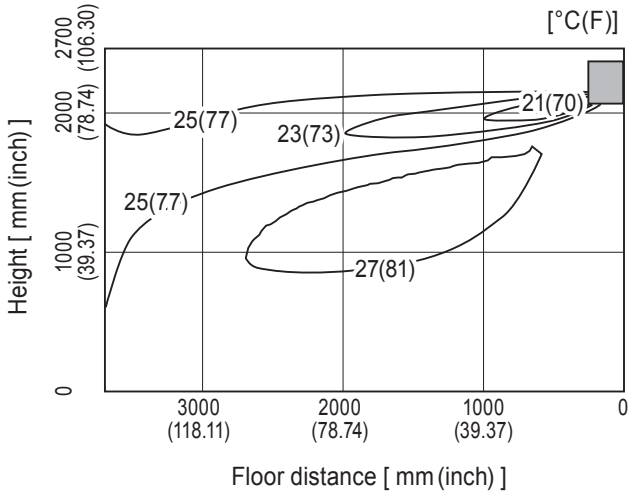
MSY-GL09NA

Temperature distribution

<Cooling mode>

Air volume: high

Air direction: auto (upward air flow)

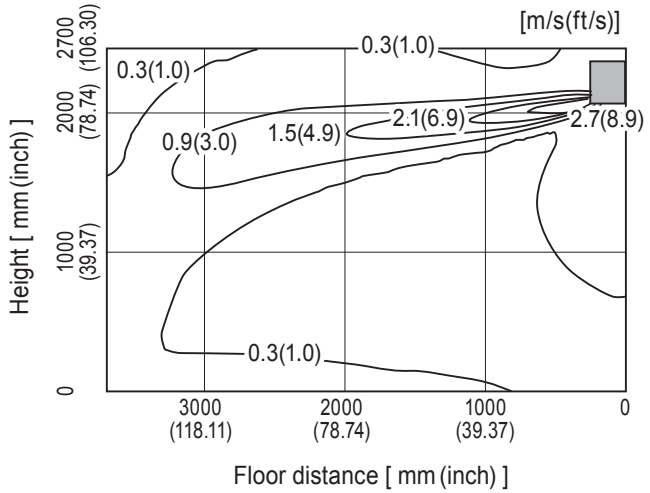


Airflow distribution

<Cooling mode>

Air volume: high

Air direction: auto (upward air flow)



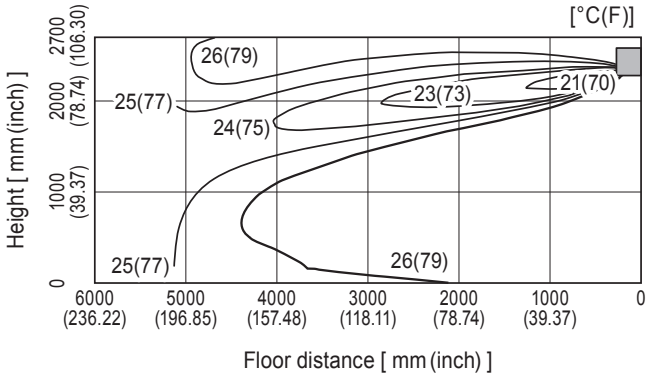
Note: These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

MSY-GL12NA

Temperature distribution

<Cooling mode>

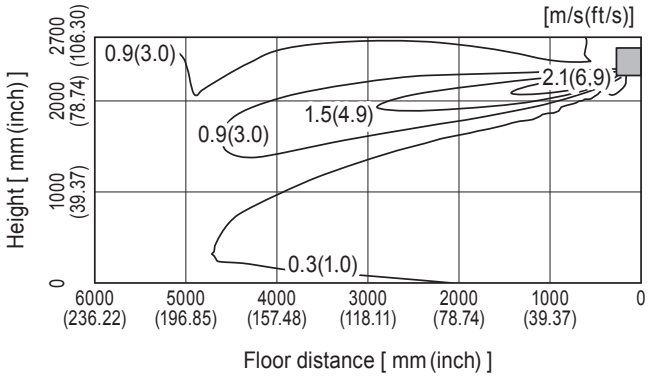
Air volume: high
Air direction: auto (upward air flow)



Airflow distribution

<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



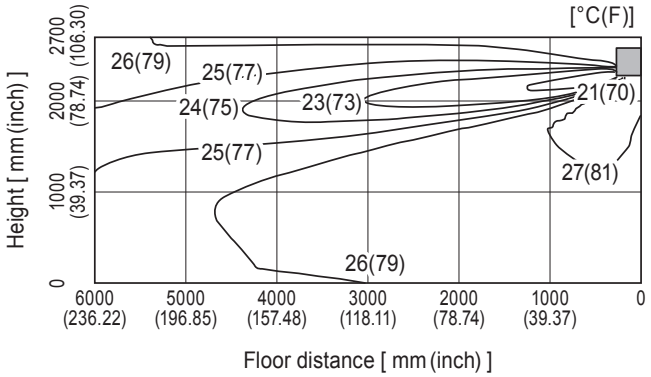
Note: These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

MSY-GL15NA

Temperature distribution

<Cooling mode>

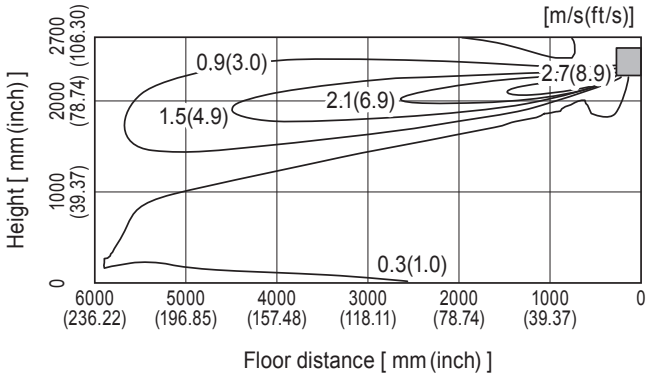
Air volume: high
Air direction: auto (upward air flow)



Airflow distribution

<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



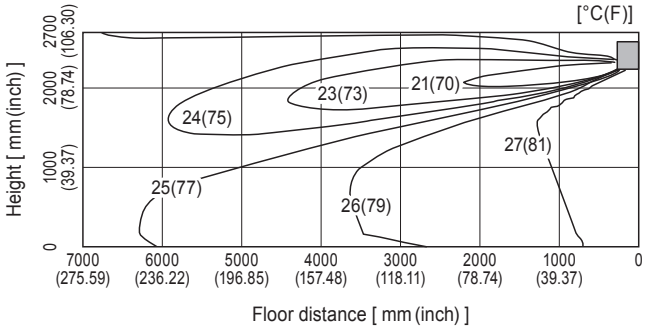
Note: These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

MSY-GL18NA

Temperature distribution

<Cooling mode>

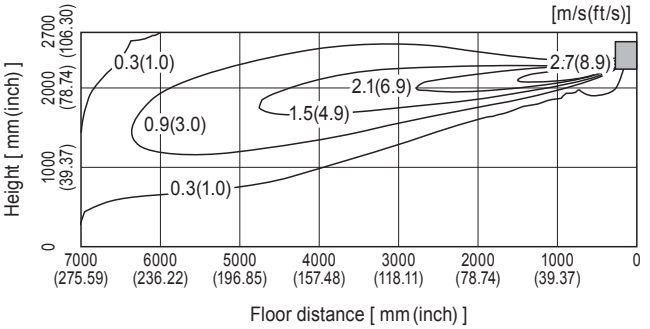
Air volume: high
Air direction: auto (upward air flow)



Airflow distribution

<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



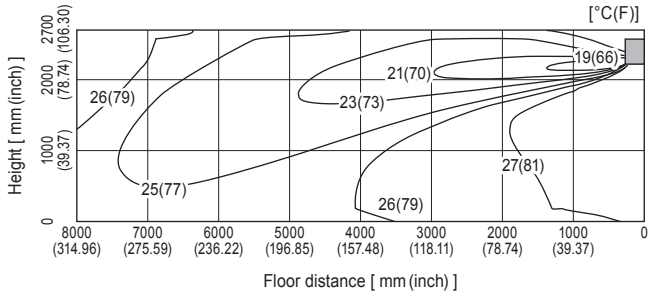
Note: These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

MSY-GL24NA

Temperature distribution

<Cooling mode>

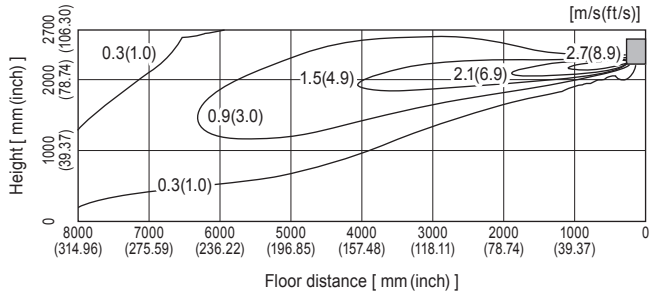
Air volume: high
Air direction: auto (upward air flow)



Airflow distribution

<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



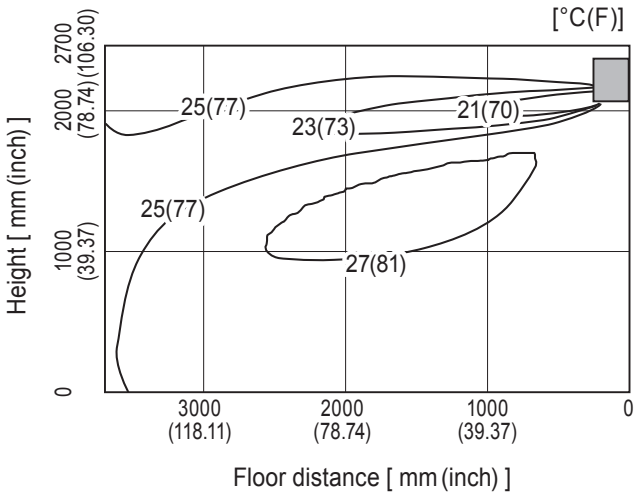
Note: These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

MSZ-EF09NA

Temperature distribution

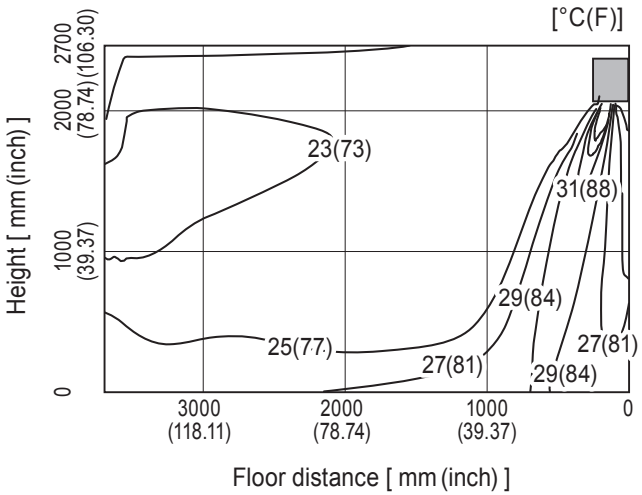
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

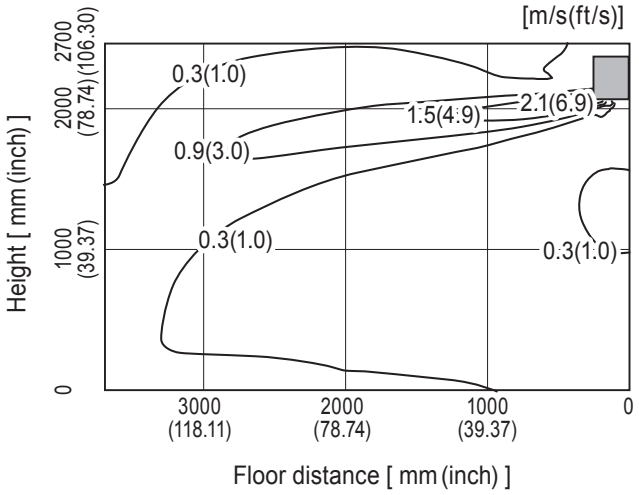
Air volume: high
Air direction: auto (downward air flow)



Airflow distribution

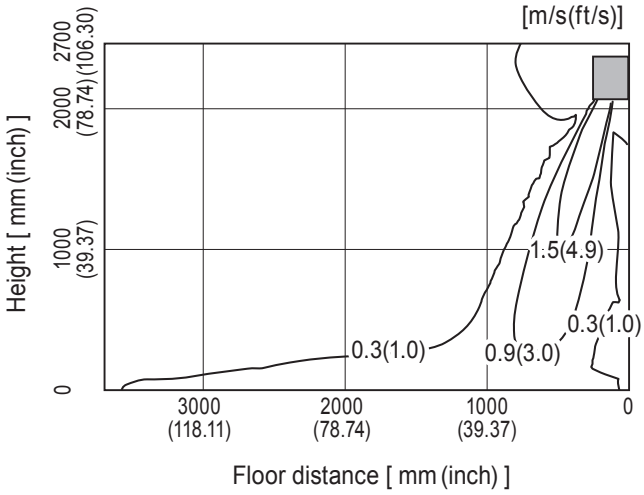
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

Air volume: high
Air direction: auto (downward air flow)



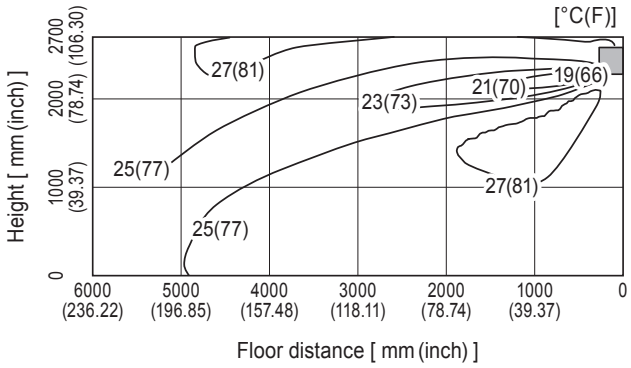
Note: These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

MSZ-EF12NA

Temperature distribution

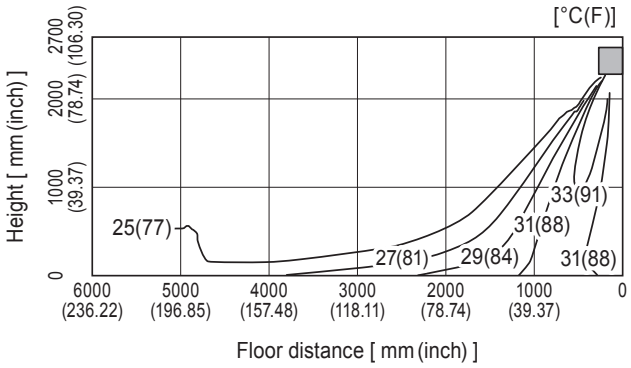
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

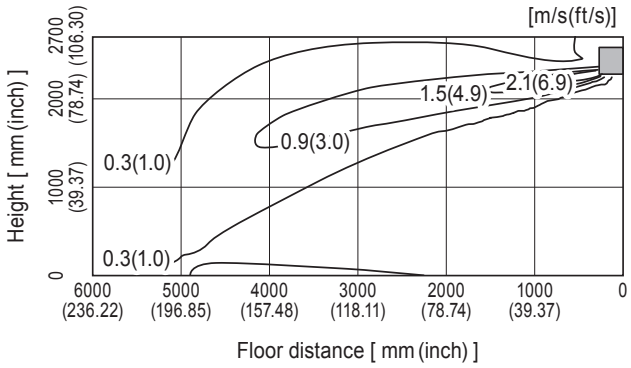
Air volume: high
Air direction: auto (downward air flow)



Airflow distribution

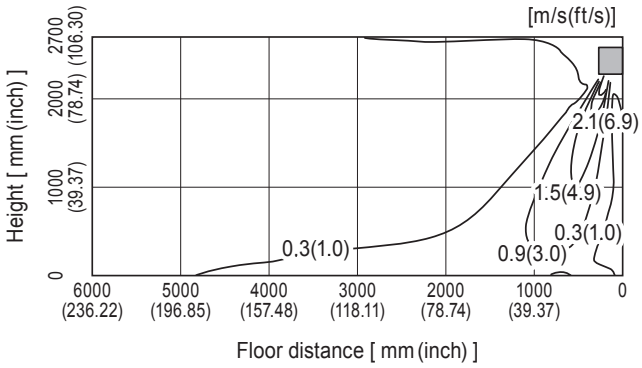
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

Air volume: high
Air direction: auto (downward air flow)



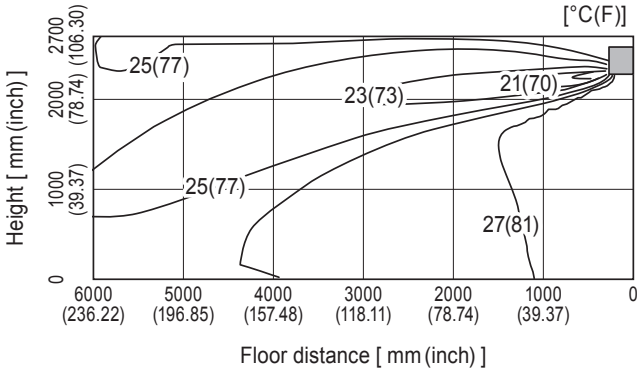
Note: These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

MSZ-EF15NA

Temperature distribution

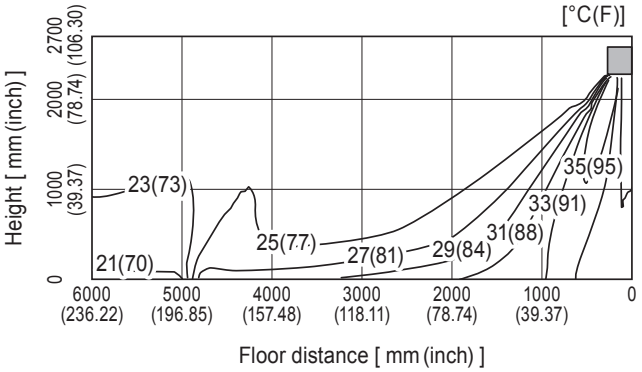
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

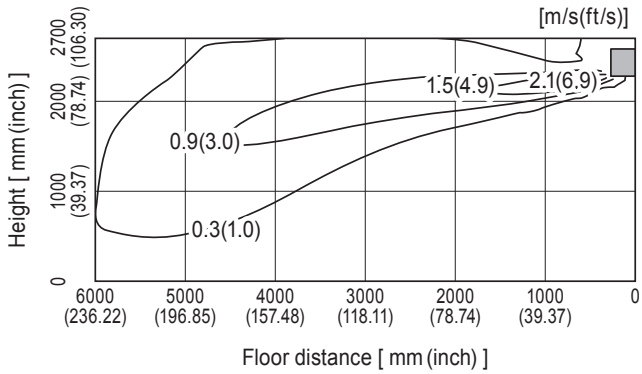
Air volume: high
Air direction: auto (downward air flow)



Airflow distribution

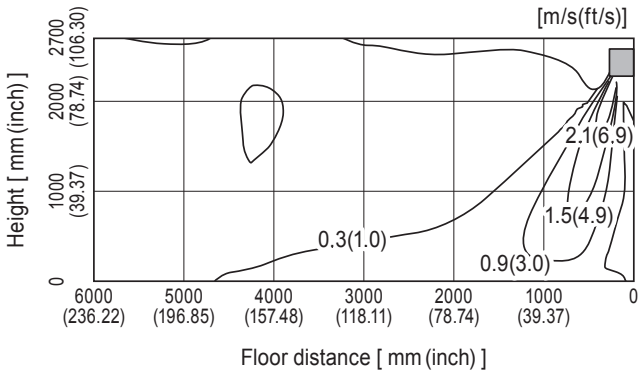
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

Air volume: high
Air direction: auto (downward air flow)



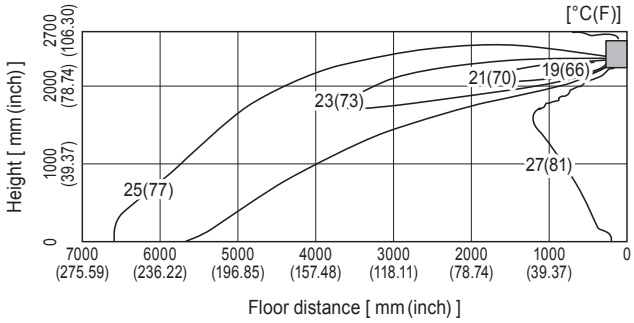
Note: These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

MSZ-EF18NA

Temperature distribution

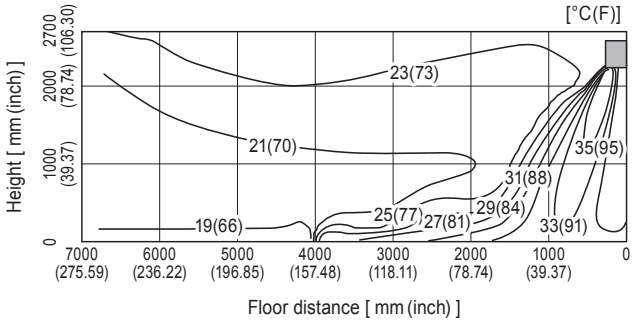
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

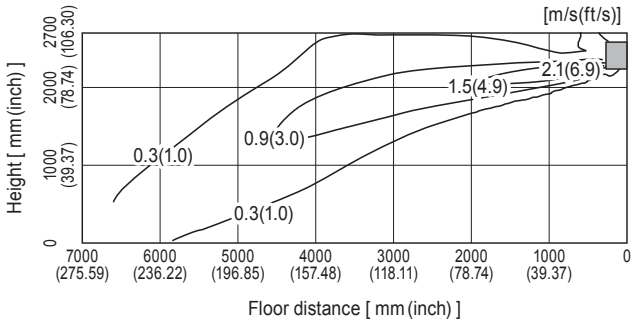
Air volume: high
Air direction: auto (downward air flow)



Airflow distribution

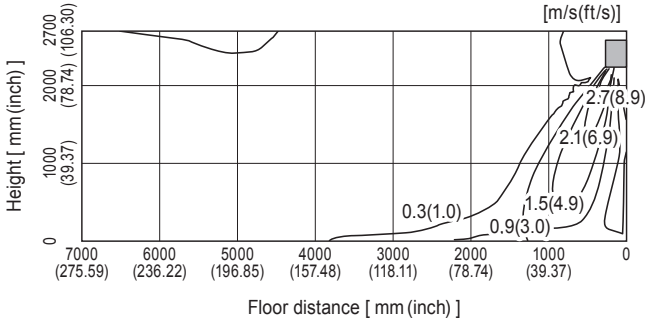
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

Air volume: high
Air direction: auto (downward air flow)



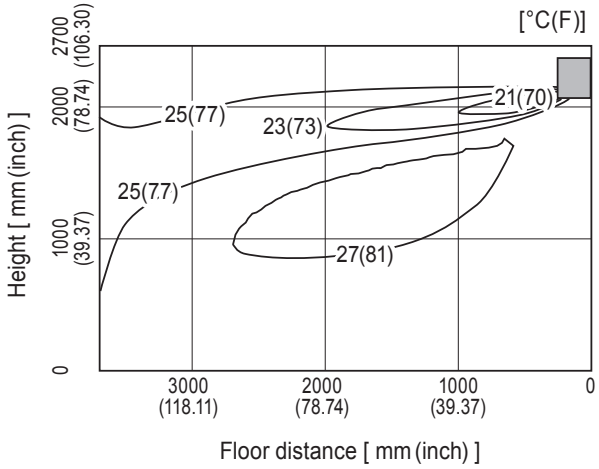
Note: These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

MSZ-HM09NA

Temperature distribution

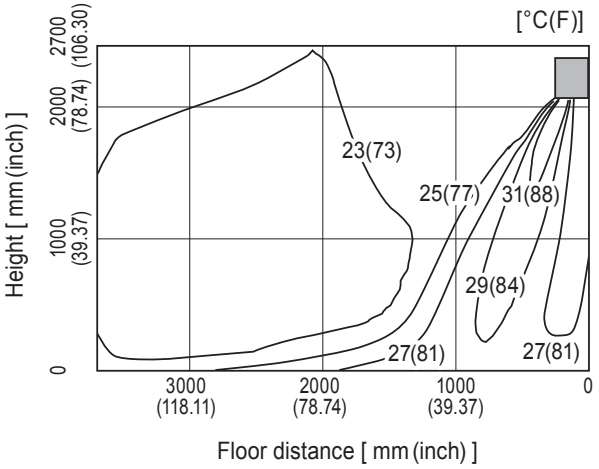
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

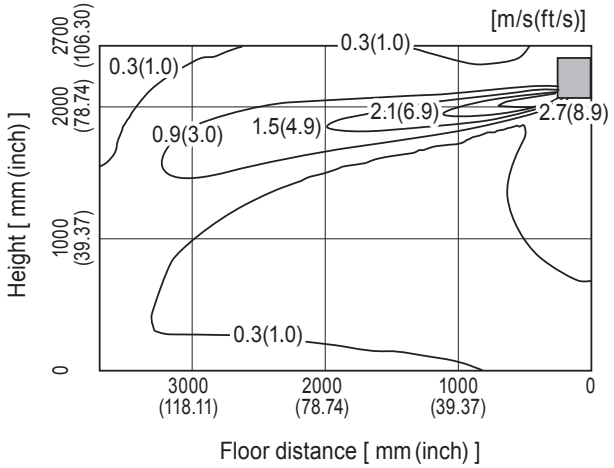
Air volume: high
Air direction: auto (downward air flow)



Airflow distribution

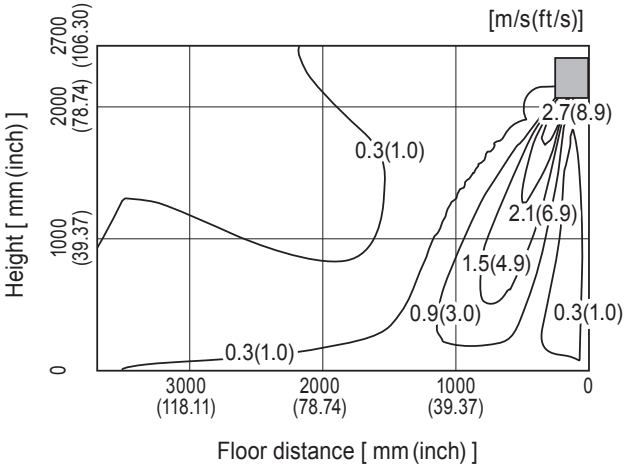
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

Air volume: high
Air direction: auto (downward air flow)



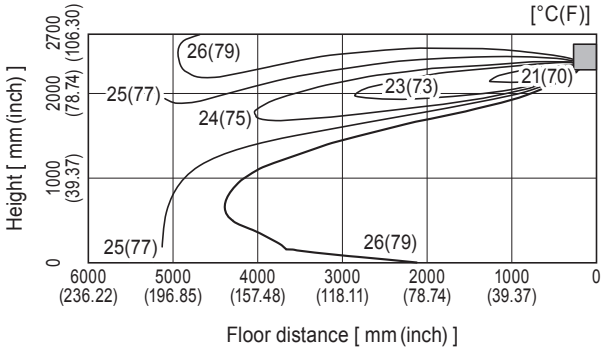
Note: These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

MSZ-HM12NA

Temperature distribution

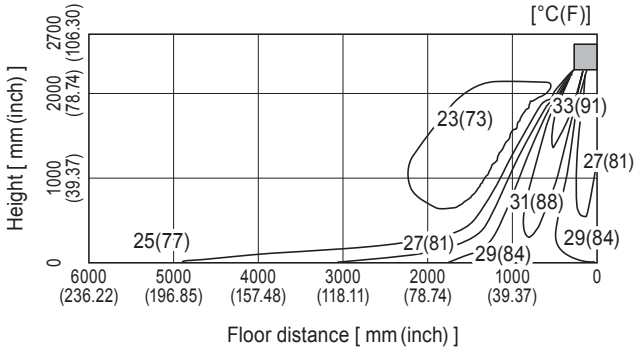
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

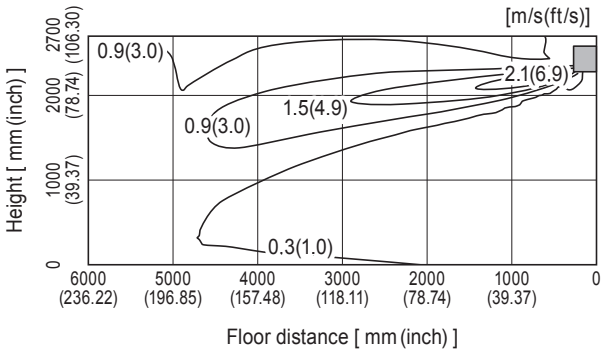
Air volume: high
Air direction: auto (downward air flow)



Airflow distribution

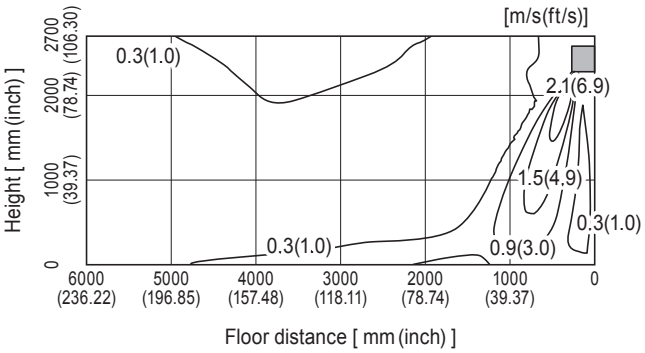
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

Air volume: high
Air direction: auto (downward air flow)



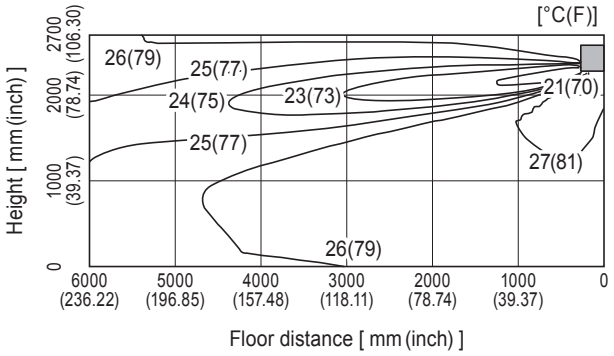
Note: These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

MSZ-HM15NA

Temperature distribution

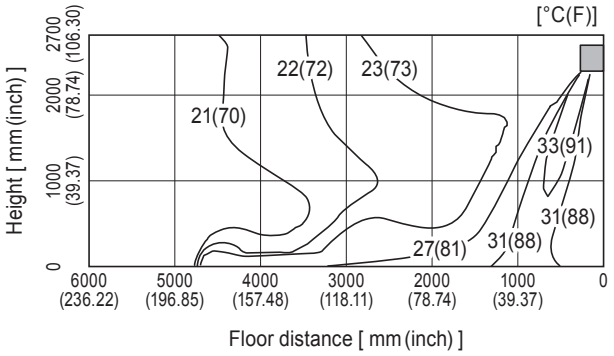
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

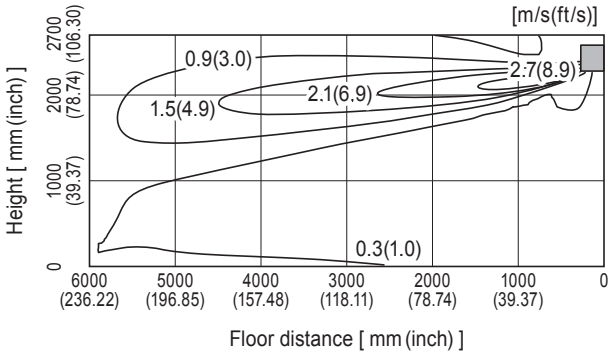
Air volume: high
Air direction: auto (downward air flow)



Airflow distribution

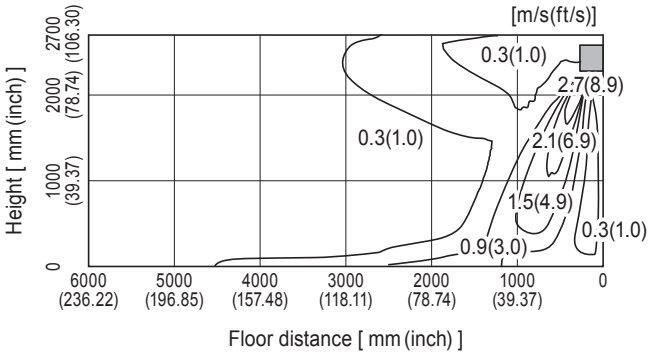
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

Air volume: high
Air direction: auto (downward air flow)



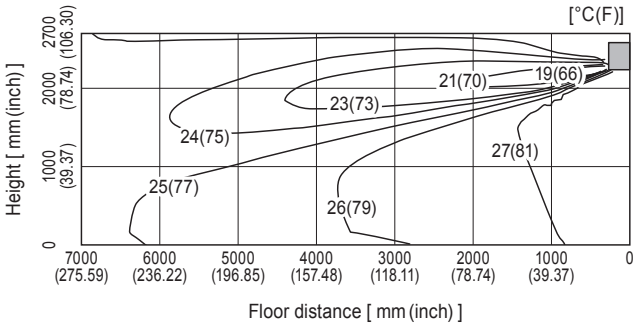
Note: These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

MSZ-HM18NA

Temperature distribution

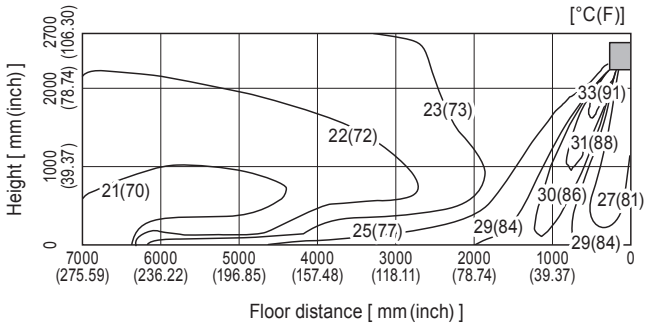
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

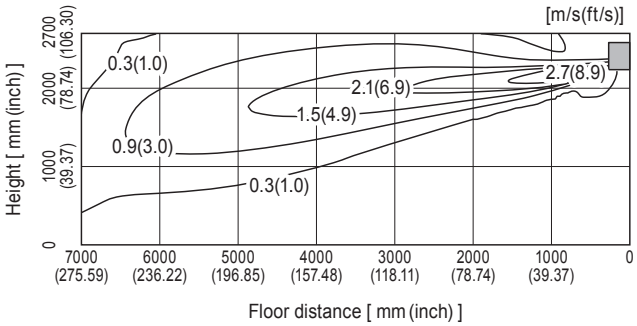
Air volume: high
Air direction: auto (downward air flow)



Airflow distribution

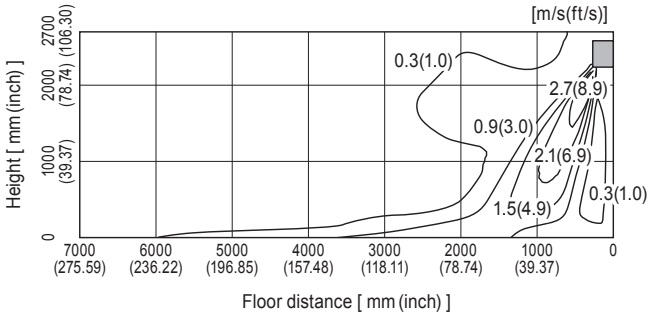
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

Air volume: high
Air direction: auto (downward air flow)



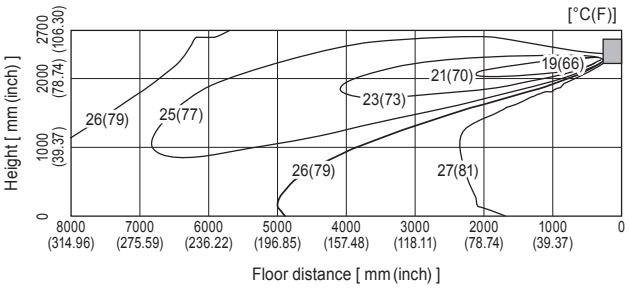
Note: These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

MSZ-HM24NA

Temperature distribution

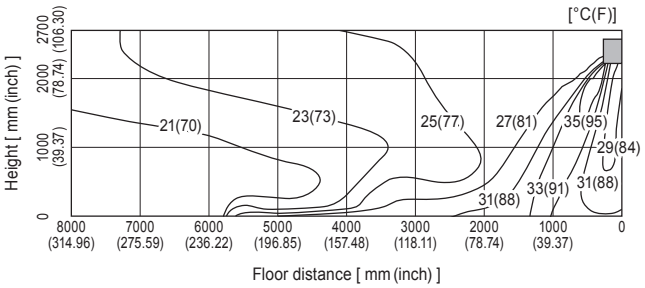
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

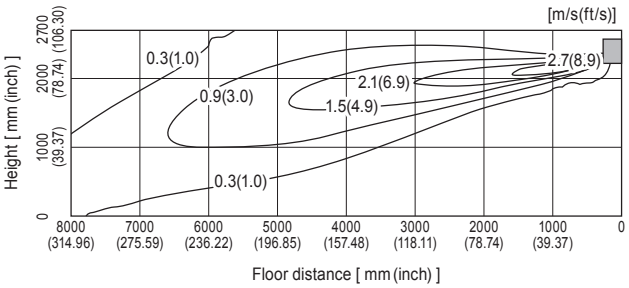
Air volume: high
Air direction: auto (downward air flow)



Airflow distribution

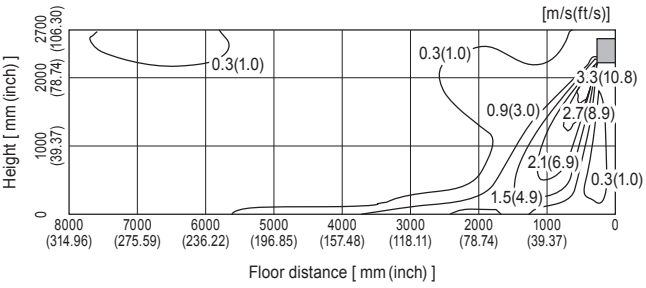
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

Air volume: high
Air direction: auto (downward air flow)



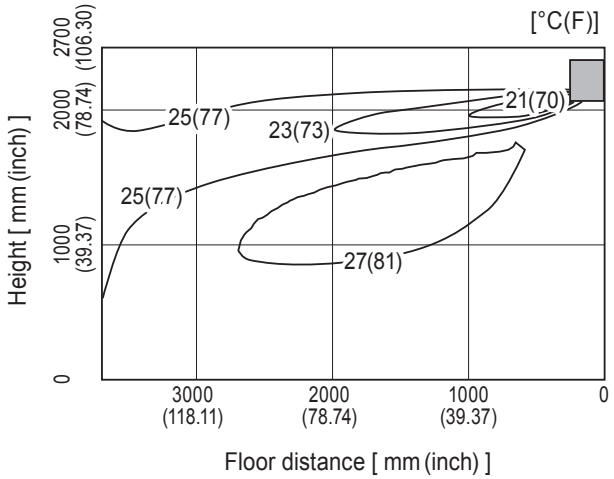
Note: These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

MSZ-WR09NA

Temperature distribution

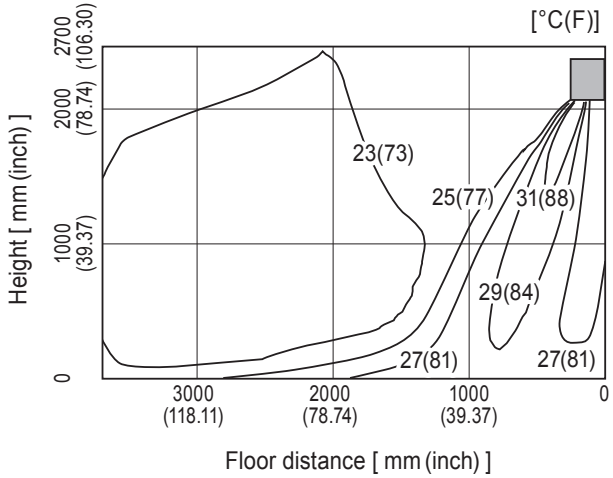
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

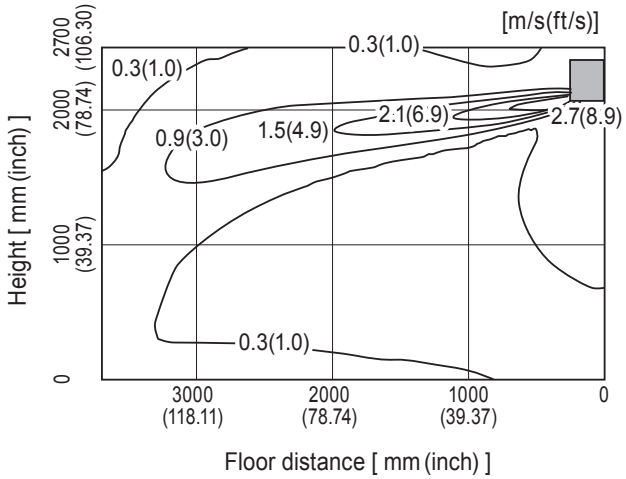
Air volume: high
Air direction: auto (downward air flow)



Airflow distribution

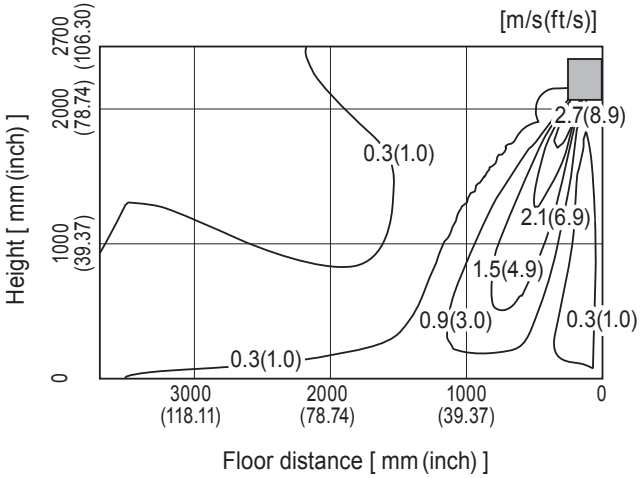
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

Air volume: high
Air direction: auto (downward air flow)



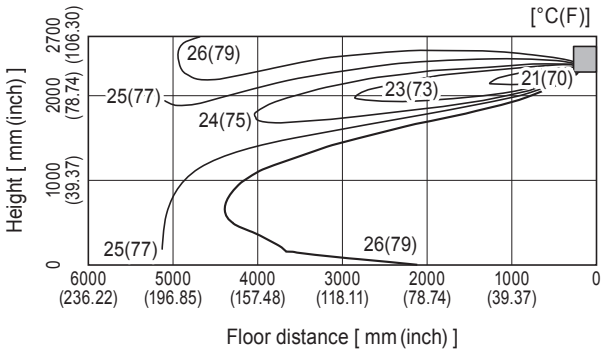
Note: These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

MSZ-WR12NA

Temperature distribution

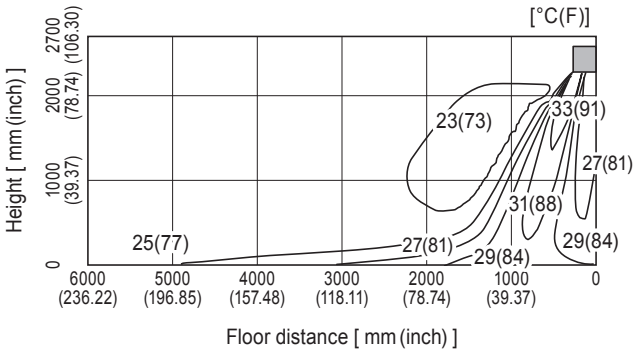
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

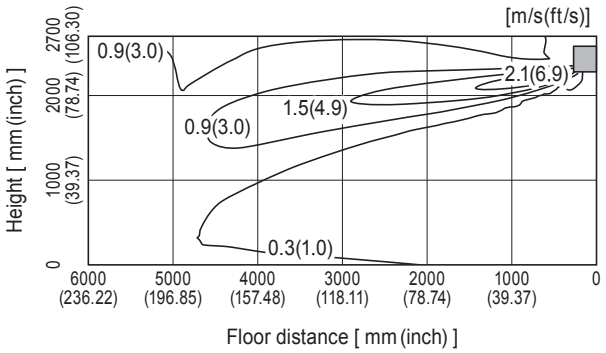
Air volume: high
Air direction: auto (downward air flow)



Airflow distribution

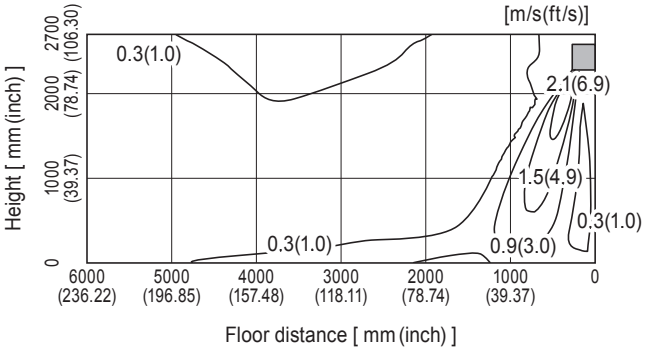
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

Air volume: high
Air direction: auto (downward air flow)



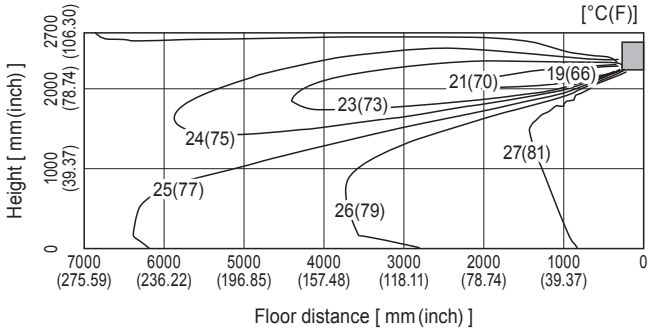
Note: These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

MSZ-WR18NA

Temperature distribution

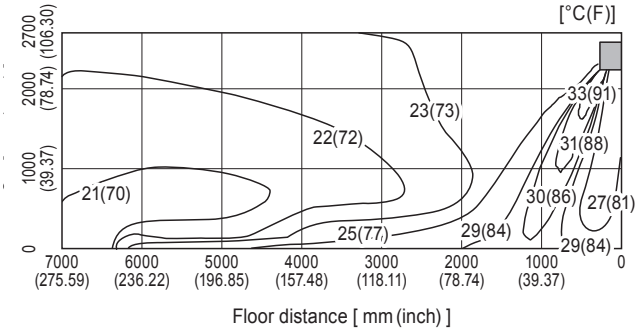
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

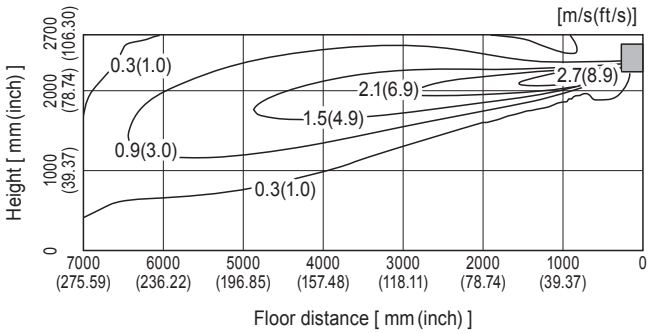
Air volume: high
Air direction: auto (downward air flow)



Airflow distribution

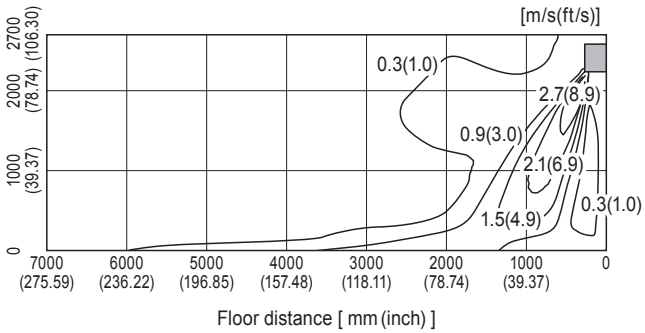
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

Air volume: high
Air direction: auto (downward air flow)



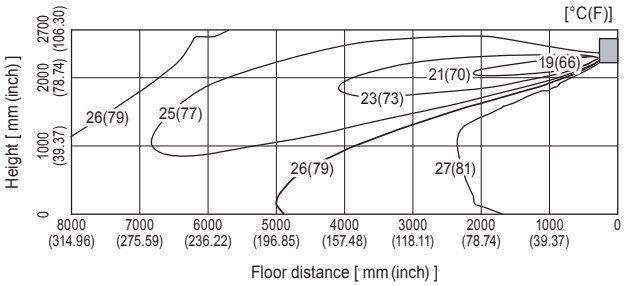
Note: These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

MSZ-WR24NA

Temperature distribution

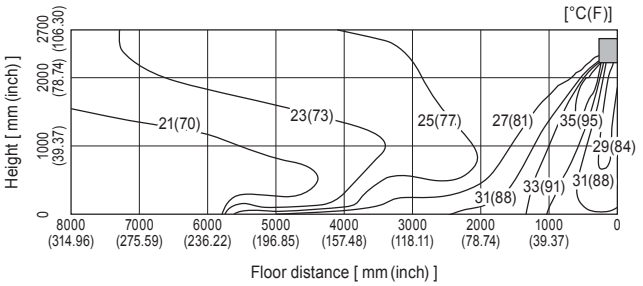
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

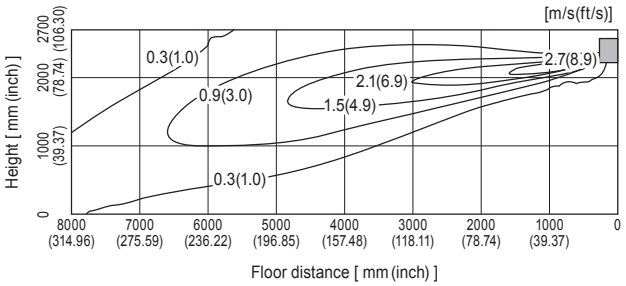
Air volume: high
Air direction: auto (downward air flow)



Airflow distribution

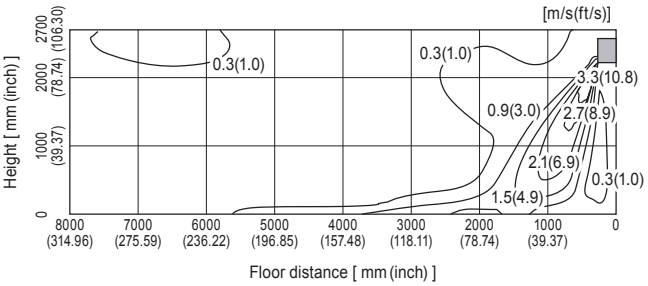
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

Air volume: high
Air direction: auto (downward air flow)



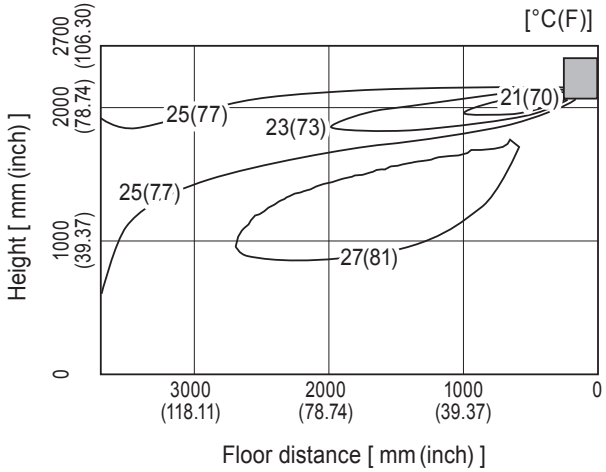
Note: These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

MSZ-JP09WA

Temperature distribution

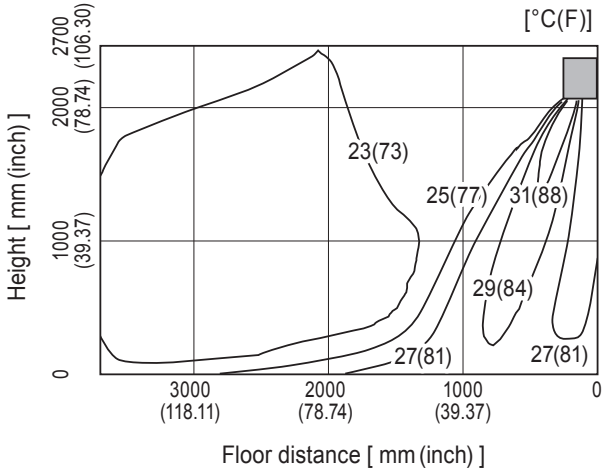
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

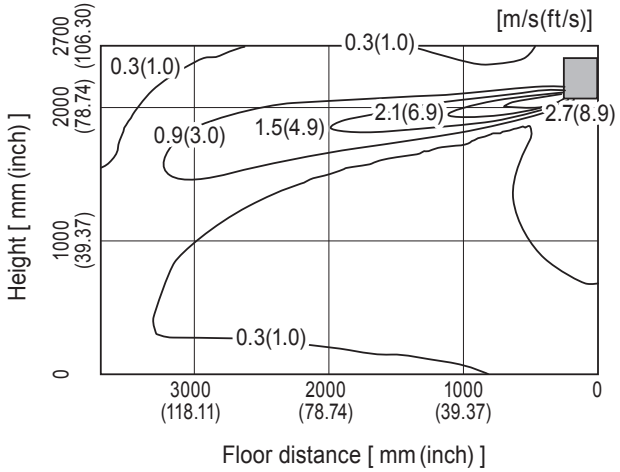
Air volume: high
Air direction: auto (downward air flow)



Airflow distribution

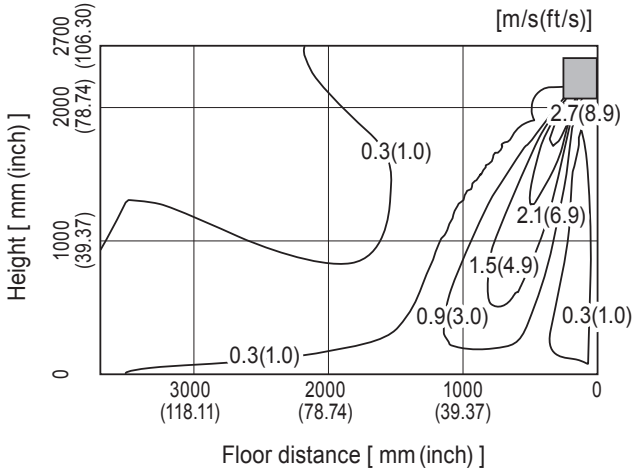
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

Air volume: high
Air direction: auto (downward air flow)



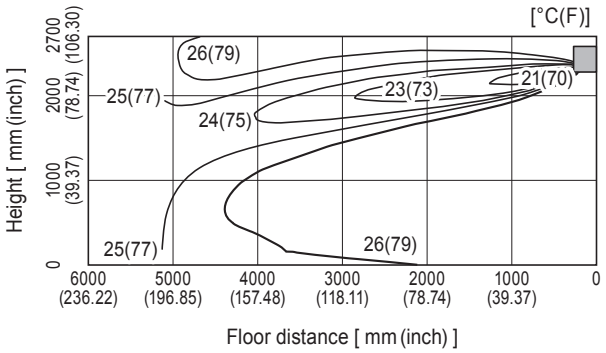
Note: These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

MSZ-JP12WA

Temperature distribution

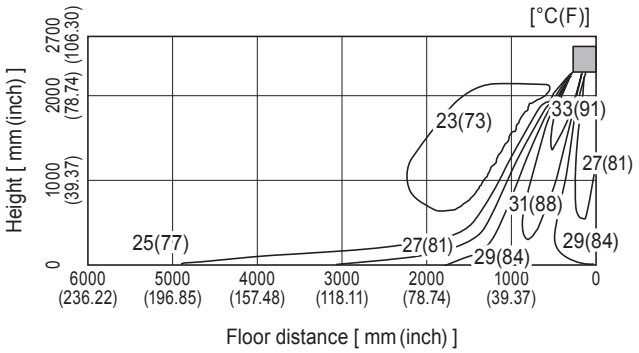
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

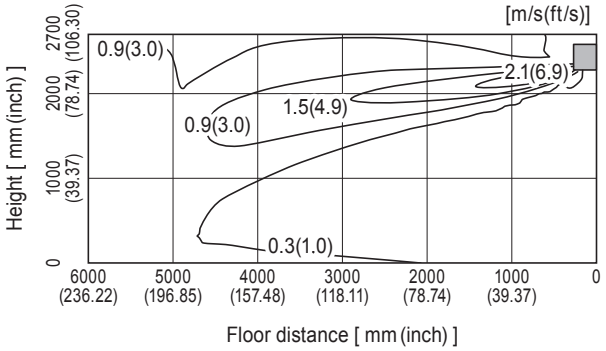
Air volume: high
Air direction: auto (downward air flow)



Airflow distribution

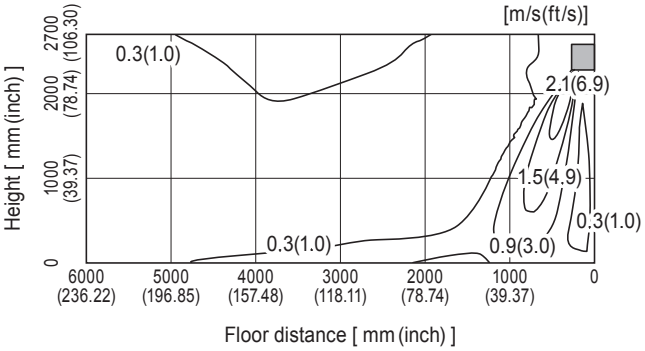
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

Air volume: high
Air direction: auto (downward air flow)



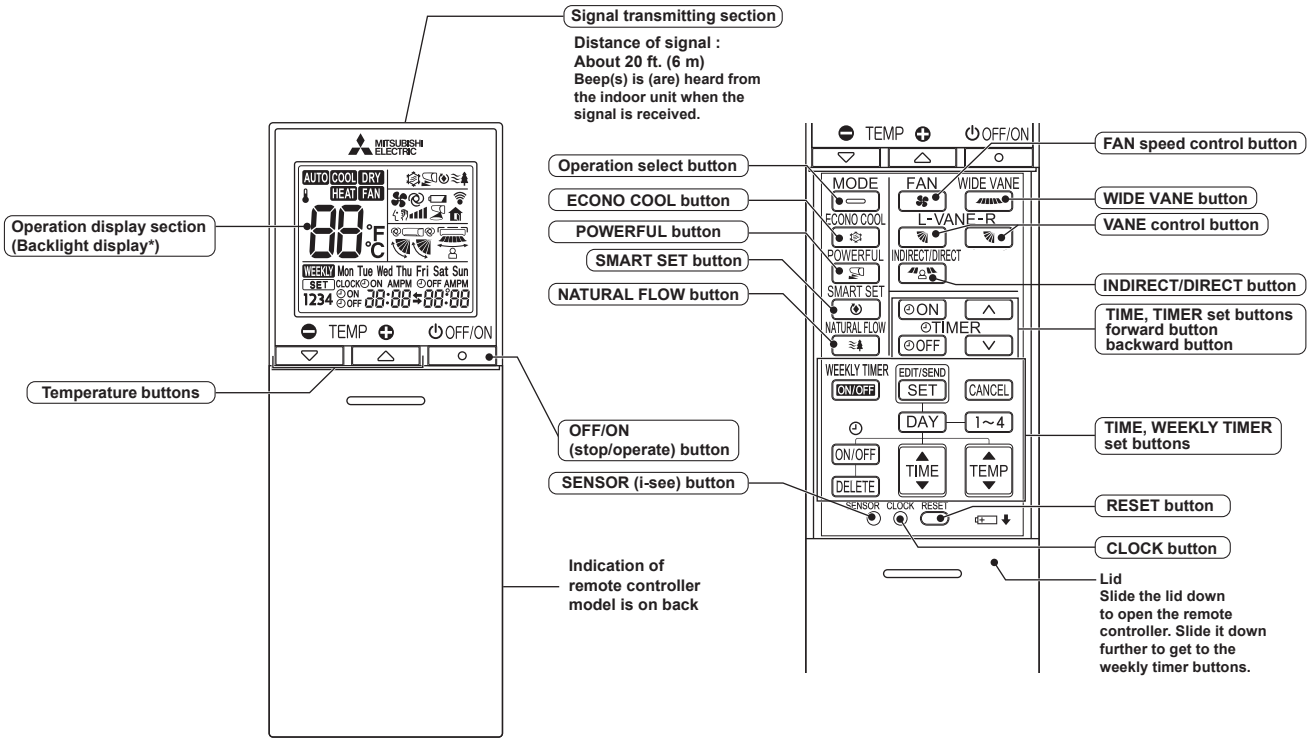
Note: These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

A.1.9 OPERATION AND ACTUATOR CONTROL

A.1.9.1 MSZ-FS•NA Series

MSZ-FS06NA MSZ-FS09NA MSZ-FS12NA MSZ-FS15NA MSZ-FS18NA
MUZ-FS06NA MUZ-FS09NA MUZ-FS12NA MUZ-FS15NA MUZ-FS18NA
MUZ-FS06NAH MUZ-FS09NAH MUZ-FS12NAH MUZ-FS15NAH MUZ-FS18NAH

WIRELESS REMOTE CONTROLLER



* The backlight turns on when using the remote controller.
The backlight goes off if the remote controller is not used for a while.

NOTE: Last setting will be stored after the unit is turned OFF with the remote controller. Indoor unit receives the signal of the remote controller with beeps.

INDOOR UNIT DISPLAY SECTION

Operation Indicator lamp

The operation indicator at the right side of the indoor unit indicates the operation state.

•The following indication applies regardless of shape of the indication.

Indication	Operation state	Room temperature
☀ ☀	The unit is operating to reach the set temperature.	About 4°F (2°C) or more away from set temperature
☀ ○	The room temperature is approaching the set temperature.	About 2 to 4°F (1 to 2°C) from set temperature
☀ ☼	Standby mode (only during multisystem operation)	—

☀ Lighted
☼ Blinking
○ Not lighted

a. COOL (☼) OPERATION

(1) Press OFF/ON (stop/operate) button. OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select COOL mode with Operation select button.
(3) Press Temperature buttons TEMP ⊖ or ⊕ button to select the desired temperature.
The setting range is 61 - 88°F (16 - 31°C).

1. Coil frost prevention

The compressor operational frequency is controlled by the temperature of the indoor heat exchanger to prevent the coil from frosting.
When the temperature of indoor heat exchanger becomes too low, the coil frost prevention mode works.
The indoor fan operates at the set speed and the compressor stops. This mode continues until the temperature of indoor heat exchanger rises.

2. Low outside temperature operation

When the outside temperature is lower, low outside temperature operation starts, and the outdoor fan slows or stops.

b. DRY (△) OPERATION

(1) Press OFF/ON (stop/operate) button. OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select DRY mode with Operation select button.
(3) The set temperature is determined from the initial room temperature.

1. Coil frost prevention

Coil frost prevention works the same way as that in COOL mode. (a.1.)

2. Low outside temperature operation

Low outside temperature operation works the same way as that in COOL mode. (a.2.)

c. FAN (✾) OPERATION

(1) OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select FAN mode with Operation select button.
(3) Select the desired fan speed. When AUTO, it becomes Low.
Only indoor fan operates.
Outdoor unit does not operate.

d. HEAT (☼) OPERATION

(1) Press OFF/ON (stop/operate) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select HEAT mode with Operation select button.
(3) Press Temperature buttons TEMP ⊖ or ⊕ button to select the desired temperature.
The setting range is 61 - 88°F (16 - 31°C).

1. Cold air prevention control

When the compressor is not operating or is starting, and the temperature of indoor heat exchanger and/or the room temperature is low or when defrosting is being done, the indoor fan will stop or rotate in Very Low speed.

2. High pressure protection

The compressor operational frequency is controlled by the temperature of the indoor heat exchanger to prevent the condensing pressure from increasing excessively.
When the temperature of indoor heat exchanger becomes too high, the high pressure protection works.
The indoor fan operates following the cold air prevention control. This mode continues until the temperature of indoor heat exchanger falls.

3. Defrosting

Defrosting starts when the temperature of outdoor heat exchanger becomes too low.
The compressor stops once, the indoor/outdoor fans stop, the 4-way valve reverses, and the compressor re-starts.
This mode continues until the temperature of outdoor heat exchanger rises or the fixed time passes.

e. AUTO CHANGE OVER ··· AUTO MODE OPERATION

Once desired temperature is set, unit operation is switched automatically between COOL and HEAT operation.

Mode selection

(1) Initial mode
When unit starts the operation with AUTO operation from OFF:
- If the room temperature is higher than the set temperature, operation starts in COOL mode.
- If the room temperature is equal to or lower than the set temperature, operation starts in HEAT mode.

(2) Mode change
COOL mode changes to HEAT mode when about 15 minutes have passed with the room temperature 2°F (1°C) below the set temperature.
HEAT mode changes to COOL mode when about 15 minutes have passed with the room temperature 2°F (1°C) above the set temperature.

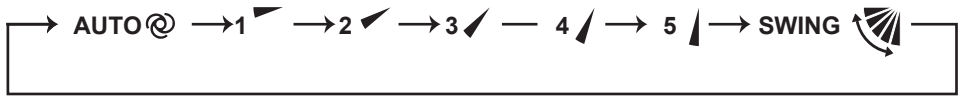
f. AUTO VANE OPERATION

1. Horizontal vane

(1) Vane motor drive

These models are equipped with a stepping motors for the horizontal vanes. The rotating direction, speed, and angle of the motor are controlled by pulse signals (approximately 12 V) transmitted from indoor microprocessor.

(2) The horizontal vane angle and mode change as follows by pressing VANE CONTROL (L-VANE-R) button.



NOTE: The right and left horizontal vanes set to the same level may not align perfectly.

(3) Positioning

To confirm the standard position, the vane move until it touches the vane stopper. Then the vane is set to the selected angle.

Confirming of standard position is performed in the following cases:

(a) When the operation starts or finishes (including timer operation).

(b) When the test run starts.

(c) When standby mode (only during multi system operation) starts or finishes.

(4) VANE AUTO (◎) mode

In VANE AUTO mode, the microprocessor automatically determines the vane angle to make the optimum room temperature distribution.

In COOL and DRY operation
Vane angle is fixed to Horizontal position.

In HEAT operation
Vane angle is fixed to Angle 4.

(5) STOP (operation OFF) and ON TIMER standby

In the following cases, the horizontal vane returns to the closed position.

(a) When OFF/ON (stop/operate) button is pressed (POWER OFF).

(b) When the operation is stopped by the emergency operation.

(c) When ON TIMER is ON standby.

(6) Dew prevention

During COOL or DRY operation with the vane angle at Angle 4 or 5 when the compressor cumulative operation time exceeds 1 hour, the vane angle automatically changes to Angle 3 for dew prevention.

(7) SWING (◎) mode

By selecting SWING mode with VANE control button, the horizontal vanes swing vertically.

When COOL, DRY or FAN mode is selected, only the upper vane swings.

(8) Cold air prevention in HEAT operation

The horizontal vane position is set to upward.

NOTE: When 2 or more indoor units are operated with multi outdoor unit, even if any indoor unit turns thermostat off, this control does not work in the indoor unit.

(9) ECONO COOL (◎) operation (ECONOmical operation)

When ECONO COOL button is pressed in COOL mode, set temperature is automatically set 4°F (2°C) higher by the microprocessor. However, the temperature on the LCD screen on the remote controller is not changed. Also the horizontal vane swings in various cycle.

SWING operation makes you feel cooler than set temperature. So, even though the set temperature is higher, the air conditioner can keep comfort. As a result, energy can be saved.

To cancel this operation, select a different mode or press one of the following buttons in ECONO COOL operation: ECONO COOL, VANE control, POWERFUL or NATURAL FLOW button.

(10) POWERFUL ( ) operation

The air conditioner automatically adjusts the fan speed and the set temperature, and operates the POWERFUL mode. The POWERFUL mode is cancelled automatically 15 minutes after operation starts, or when POWERFUL button is pressed once again within 15 minutes after operation starts. The operation mode returns to the mode prior to POWERFUL operation. POWERFUL mode also is cancelled, when the OFF/ON (stop/operate), ECONO COOL, FAN speed control, NATURAL FLOW or SMART SET button is pressed within 15 minutes after operation starts, or operation mode is changed.

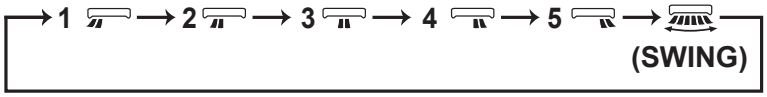
2. Vertical vane

(1) Vane motor drive

These models are equipped with a stepping motor for the vertical vane. The rotating direction, speed, and angle of the motor are controlled by pulse signals (approximately 12 V) transmitted from microprocessor.

(2) The vertical vane angle and mode change as follows by pressing WIDE VANE button.

(3) Positioning



To confirm the standard position, the vane moves until it touches the vane stopper. Then the vane is set to the selected angle.

Confirming of standard position is performed in the following cases:

(a) OFF/ON (stop/operate) button is pressed (POWER ON).

(4) SWING ( ) MODE

By selecting SWING mode with WIDE VANE button, the vertical vane swings horizontally. The remote controller displays " ". Swing mode is cancelled when WIDE VANE button is pressed once again.

g. TIMER OPERATION

1. How to set the time

(1) Check that the current time is set correctly.

NOTE: Timer operation will not work without setting the current time. Initially "12:00 AM" blinks at the current time display of TIME MONITOR, so set the current time correctly with CLOCK button.

How to set the current time

(a) Press the CLOCK button.

(b) Press the TIME SET buttons (and) to set the current time.

- Each time forward button ( ) is pressed, the set time increases by 1 minute, and each time backward button ( ) is pressed, the set time decreases by 1 minute.
- Pressing those buttons longer, the set time increases/decreases by 10 minutes.

(c) Press the CLOCK set button.

(2) Press OFF/ON (stop/operate) button to start the air conditioner.

(3) Set the time of timer.

ON timer setting

(a) Press ON TIMER button( ) during operation.

(b) Set the time of the timer using TIME SET buttons (and). *

OFF timer setting

(a) Press OFF TIMER button ( ) during operation.

(b) Set the time of the timer using TIME SET buttons (and). *

* Each time forward button ( ) is pressed, the set time increases by 10 minutes: each time backward button ( ) is pressed, the set time decreases by 10 minutes.

2. To release the timer

To release ON timer, press ON TIMER button ( ).

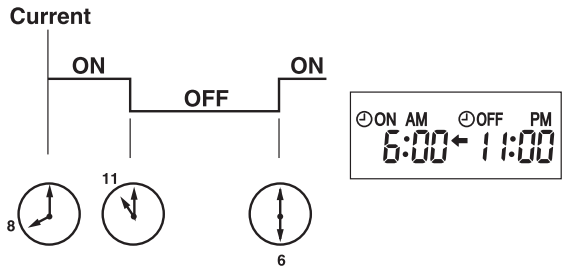
To release OFF timer, press OFF TIMER button( ).

TIMER is cancelled and the display of set time disappears.

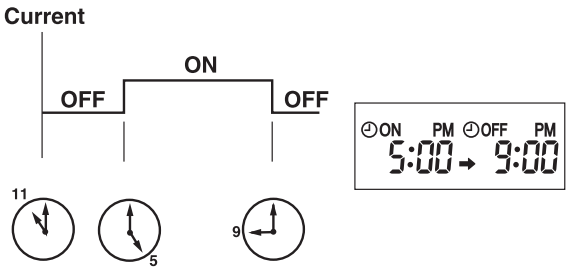
PROGRAM TIMER

• OFF timer and ON timer can be used in combination. The set time that is reached first will operate first.
• "➡" and "⬅" display shows the order of OFF timer and ON timer operation.

(Example 1) The current time is 8:00 PM.
The unit turns off at 11:00 PM, and on at 6:00 AM.



(Example 2) The current time is 11:00 AM.
The unit turns on at 5:00 PM, and off at 9:00 PM.

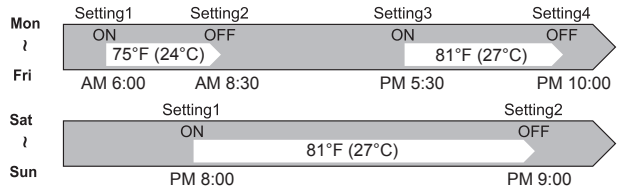


NOTE: If the main power is turned OFF or a power failure occurs while ON/OFF timer is active, the timer setting is cancelled. As these models are equipped with an auto restart function, the air conditioner starts operating with timer cancelled when power is restored.

h. WEEKLY TIMER OPERATION

• A maximum of 4 ON or OFF timers can be set for individual days of the week.
• A maximum of 28 ON or OFF timers can be set for a week.

E.g. : Runs at 75°F (24°C) from waking up to leaving home, and runs at 81°F (27°C) from getting home to going to bed on weekdays.
Runs at 81°F (27°C) from waking up late to going bed early on weekends.

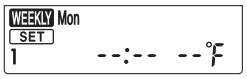


NOTE:
• The simple ON/OFF timer setting is available while the weekly timer is on. In this case, the ON/OFF timer has priority over the weekly timer; the weekly timer operation will start again after the simple ON/OFF timer is complete.
• When the weekly timer is set, temperature can not be set to 50°F (10°C).
• The weekly timer operation and SMART SET operation cannot be used together.

1. How to set the weekly timer

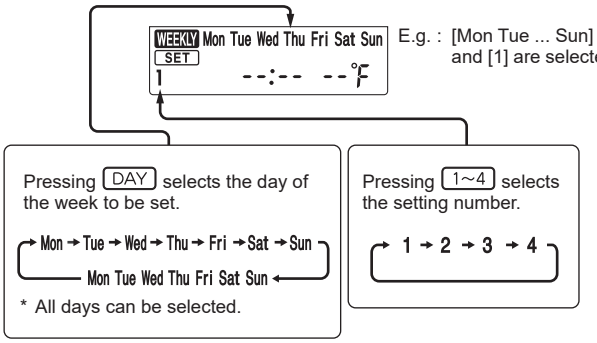
* Make sure that the current time and day are set correctly.

(1) Press EDIT/SEND SET button to enter the weekly timer setting mode.

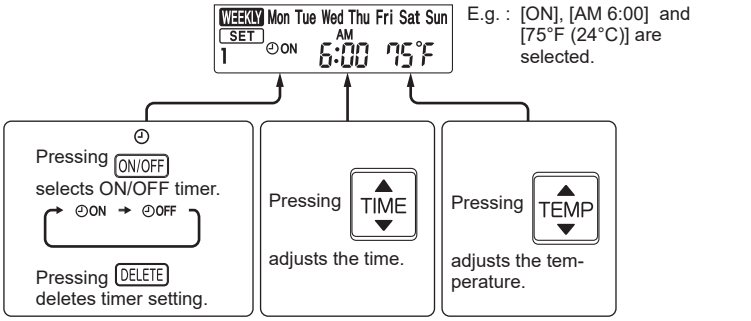


* SET blinks.

(2) Press DAY and 1~4 buttons to select setting day and number.



(3) Press ON/OFF , TIME , and TEMP buttons to set ON/OFF, time, and temperature.



* Hold down the button to change the time quickly.

* The temperature can be set between 61°F and 88°F (16°C and 31°C) at weekly timer.

Press DAY and 1~4 buttons to continue setting the timer for other days and/or numbers.

(4) Press EDIT/SEND SET button to complete and transmit the weekly timer setting.

* SET which was blinking goes out, and the current time will be displayed.

NOTE:

- Press EDIT/SEND SET button to transmit the setting information of weekly timer to the indoor unit. Point the remote controller toward the indoor unit for 3 seconds.
- When setting the timer for more than one day of the week or one number, EDIT/SEND SET button does not have to be pressed per each setting. Press EDIT/SEND SET button once after all the settings are complete. All the weekly timer settings will be saved.
- Press EDIT/SEND SET button to enter the weekly timer setting mode, and press and hold DELETE button for 5 seconds to erase all weekly timer settings. Point the remote controller toward the indoor unit.

(5) Press WEEKLY TIMER ON/OFF button to turn the weekly timer ON. (WEEKLY lights.)

•When the weekly timer is ON, the day of the week whose timer setting is complete, will light.

Press WEEKLY TIMER ON/OFF button again to turn the weekly timer OFF. (WEEKLY goes out.)

NOTE:
The saved settings will not be cleared when the weekly timer is turned OFF.

2. Checking weekly timer setting

(1) Press EDIT/SEND SET button to enter the weekly timer setting mode.

*SET blinks.

(2) Press DAY or 1~4 buttons to view the setting of the particular day or number.

(3) Press CANCEL button to exit the weekly timer setting.

NOTE:
When all days of the week are selected to view the settings and a different setting is included among them, --:-- --°F will be displayed.

i. i-see CONTROL (🛋) MODE

In the i-see control mode, the room temperature is controlled based on the sensible temperature.

(1) Press SENSOR button with a thin instrument during COOL, DRY, HEAT and AUTO mode to activate i-see control mode (🛋). The default setting is “active”.
(2) Press SENSOR button again to activate ABSENCE DETECTION (🏠).
(3) Press SENSOR button again to release i-see control mode.

ABSENCE DETECTION (🏠)
This function automatically changes the operation to energy-saving operation when nobody is in the room.

(1) To activate this function, press SENSOR button until 🏠 appears on the operation display of the remote controller during the i-see control mode.
(2) Press SENSOR button again to release ABSENCE DETECTION.

NOTE:
Any person at the following places cannot be detected:
• Along the wall on which the air conditioner is installed
• Directly under the air conditioner
• Where any obstacle, such as furniture, is between the person and the air conditioner

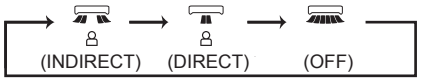
A person may not be detected in the following situations:
• Room temperature is high.
• A person wears heavy clothes and his/her skin is not exposed.
• A heating element of which temperature changes significantly is present.
• Some heat sources, such as a small child or pet, may not be sensed.
• A heat source and the air conditioner are more than 20 ft. (6 m) apart.
• A heat source does not move for a long time.

j. INDIRECT/DIRECT MODE

The INDIRECT/DIRECT mode offers finely-tuned operation by locating where an occupant is in the room.

(1) Press INDIRECT/DIRECT button during COOL, DRY, HEAT or AUTO mode to activate INDIRECT/DIRECT mode. This mode is only available when the i-see control mode is effective.

(2) Each press of INDIRECT/DIRECT button changes INDIRECT/DIRECT in the following order:



(INDIRECT): An occupant will be less exposed to direct airflow.

(DIRECT) : Mainly the vicinity of an occupant will be air-conditioned.

NOTE:

- Horizontal and vertical airflow directions will be automatically selected.
- If you still feel uncomfortable with the air direction determined by the INDIRECT mode, adjust the air direction manually.
- Cancelling the i-see control mode automatically cancels the INDIRECT/DIRECT mode. INDIRECT/DIRECT mode is also cancelled when the VANE control or WIDE VANE buttons is pressed.
- Do not touch the i-see sensor. This may cause malfunction of the i-see sensor.

k. NATURAL FLOW (≋) OPERATION

In NATURAL FLOW operation, air flow will become more like natural wind. An occupant will not be directly exposed to the air flow and feel more comfortable.

(1) Press NATURAL FLOW button during COOL or FAN mode to start NATURAL FLOW operation.

(2) Press NATURAL FLOW button again to cancel NATURAL FLOW operation.

- NATURAL FLOW operation is also cancelled when the POWERFUL or ECONO COOL button is pressed.

NOTE: As the fan speed changes constantly during NATURAL FLOW operation, the sound of air flow, wind velocity and air flow temperature also change. This is not a malfunction.

l. SMART SET (◈) OPERATION

1. How to set SMART SET operation

(1) Press OFF/ON (stop/operate) button.

(2) Select COOL, HEAT or ECONO COOL mode.

(3) Press SMART SET button.

(4) Set the temperature, fan speed, and airflow direction for SMART SET operation.

NOTE:

- SMART SET operation cannot be selected during DRY or AUTO mode operation.
- The setting range of HEAT mode SMART SET operation is 50°F (10°C) and 61 - 88°F (16 - 31°C).
- 2 groups of setting can be saved. (One for COOL/ECONO COOL, one for HEAT)
- SMART SET operation and the weekly timer operation cannot be used together.

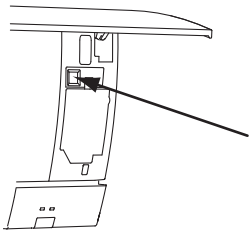
2. How to cancel operation

- Press SMART SET button again.
- SMART SET operation can also be cancelled by pressing Operation select button to change the operation mode. The same setting is select from the next time by simply pressing SMART SET button.

m. EMERGENCY/TEST OPERATION

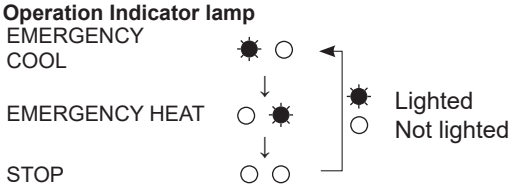
In the case of test run operation or the emergency operation, use the emergency operation switch on the right side of the indoor unit. The emergency operation is available when the remote controller is missing or has failed, or when the batteries in the remote controller are running down. The unit will start and OPERATION INDICATOR lamp will light up.
The first 30 minutes of operation is the test run operation. This operation is for servicing. The indoor fan runs at High speed and the temperature control does not work.
After 30 minutes of test run operation, the system shifts to EMERGENCY COOL/HEAT MODE with a set temperature of 75°F (24°C). The fan speed shifts to Medium.
The coil frost prevention works even in the test run or the emergency operation.
In the test run or the emergency operation, the horizontal vane operates in VANE AUTO (@) mode.
The emergency operation continues until the emergency operation switch is pressed once or twice or the unit receives any signal from the remote controller. In the latter case, normal operation will start.

NOTE: Do not press the emergency operation switch during normal operation.



Operation mode	COOL/HEAT
Set temperature	75°F (24°C)
Fan speed	Med.
Horizontal vane	Auto

The operation mode is indicated by the Operation Indicator lamp as following

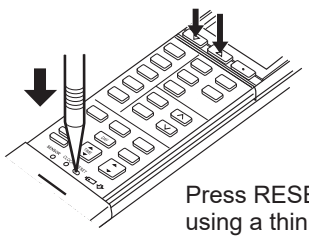


n. 3-MINUTE TIME DELAY OPERATION

When the system turns OFF, compressor will not restart for 3 minutes as 3-minute time delay function operates to protect compressor from overload.

o. Changing temperature indication (°F/°C)

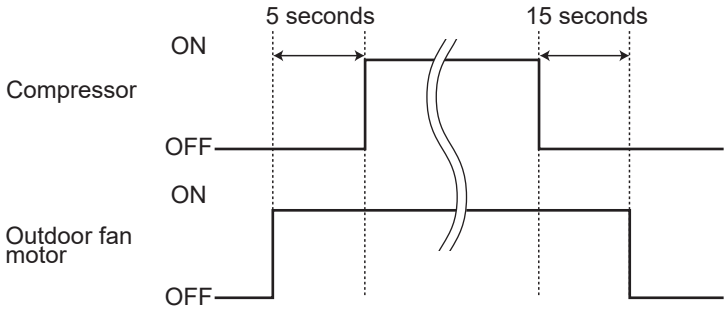
- The preset unit is °F.
- °F → °C: Press RESET button while the Temperature buttons are pressed.
- °C → °F: Press RESET button or remove the batteries .



p.ACTUATOR CONTROL

p-1. OUTDOOR FAN MOTOR CONTROL

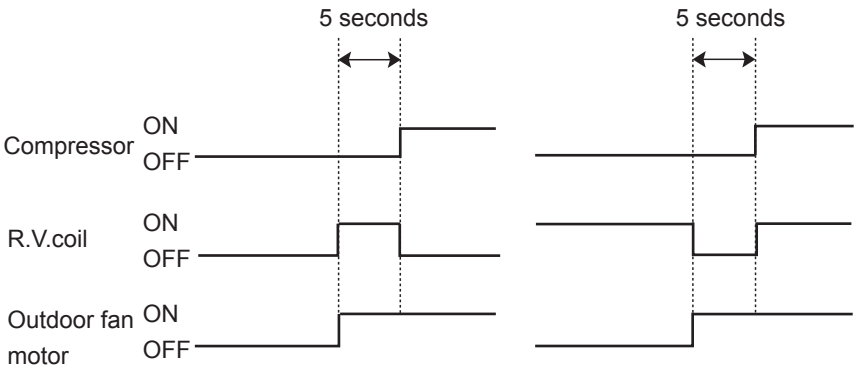
The fan motor turns ON/OFF, interlocking with the compressor.
[ON] The fan motor turns ON 5 seconds before the compressor starts up.
[OFF] The fan motor turns OFF 15 seconds after the compressor has stopped running.



p-2. R.V. COIL CONTROL

Heating · · · · · · · · · · · · · · · · · · ON
Cooling · · · · · · · · · · · · · · · · · · OFF
Dry · OFF
NOTE: The 4-way valve reverses for 5 seconds right before start-up of the compressor.

<COOL> **<HEAT>**



p-3. RELATION BETWEEN MAIN SENSOR AND ACTUATOR

Sensor	Purpose	Actuator					
		Compressor	LEV	Outdoor fan motor	R.V.coil	Indoor fan motor	Defrost heater *
Discharge temperature thermistor	Protection	○	○				
Indoor coil temperature thermistor	Cooling: Coil frost prevention	○					
	Heating: High pressure protection	○	○				
Defrost thermistor	Heating: Defrosting	○	○	○	○	○	
Fin temperature thermistor	Protection	○		○			
Ambient temperature thermistor	Cooling: Low ambient temperature operation	○	○	○			
	Heating: Defrosting (Heater)						○
Outdoor heat exchanger temperature thermistor	Cooling: Low ambient temperature operation	○	○	○			
	Cooling: High pressure protection	○	○	○			

* **MUZ-FS•NAH** only.

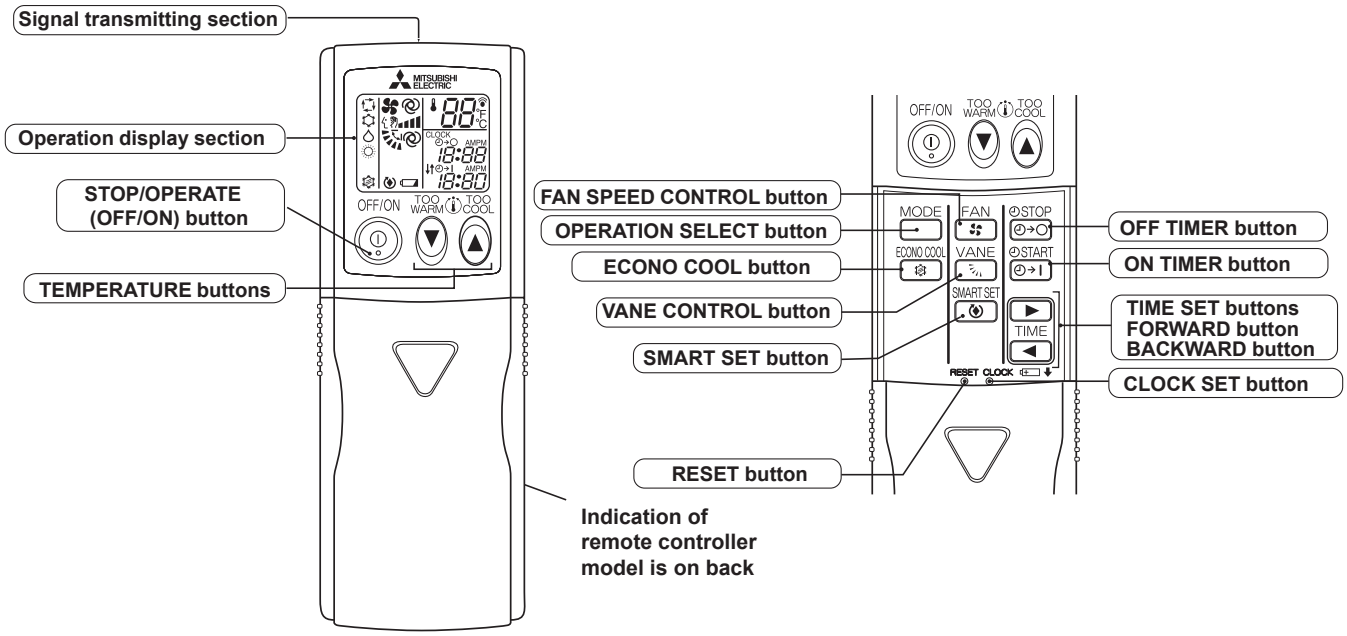
A.1.9.2 MSZ(Y)-GL•NA Series

MSZ-GL06NA MSZ-GL09NA MSZ-GL12NA MSZ-GL15NA MSZ-GL18NA MSZ-GL24NA
MSY-GL09NA MSY-GL12NA MSY-GL15NA MSY-GL18NA MSY-GL24NA
MUZ-GL09NA MUZ-GL12NA MUZ-GL15NA MUZ-GL18NA MUZ-GL24NA
MUZ-GL09NAH MUZ-GL12NAH MUZ-GL15NAH MUZ-GL18NAH MUZ-GL24NAH
MUY-GL09NA MUY-GL12NA MUY-GL15NA MUY-GL18NA MUY-GL24NA

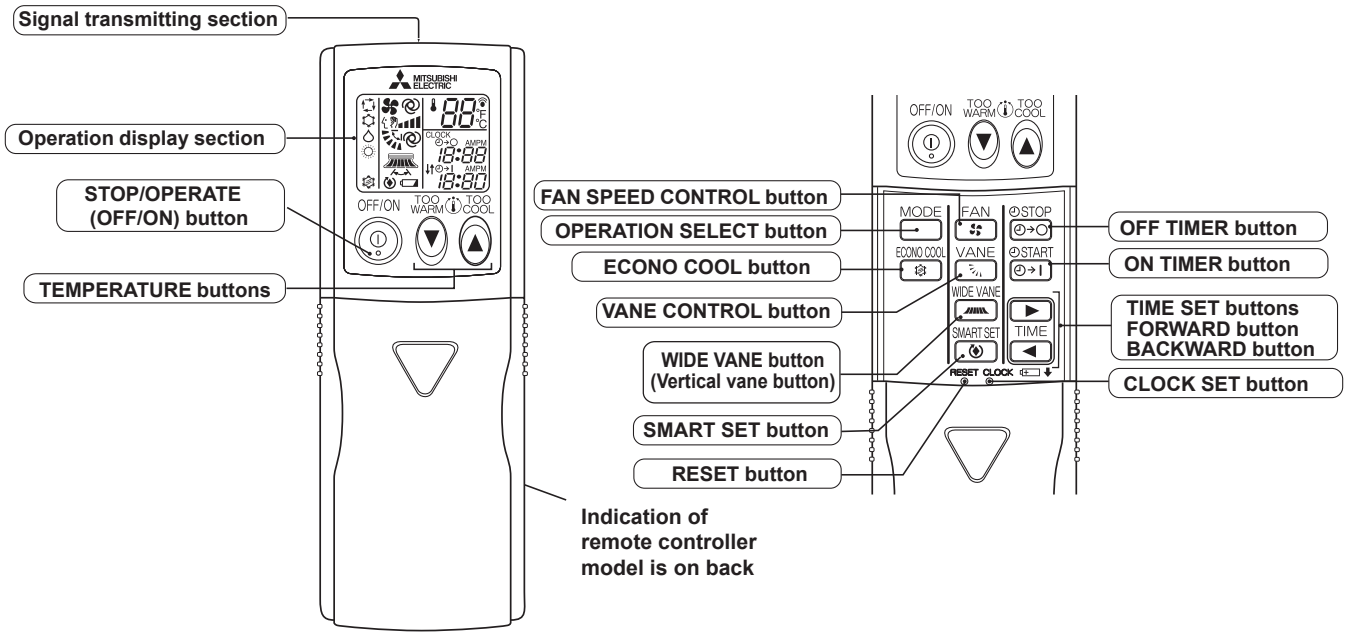
WIRELESS REMOTE CONTROLLER

E.g.: MSZ type

MSZ-GL06NA MSZ-GL09NA MSZ-GL12NA MSZ-GL15NA
MSY-GL09NA MSY-GL12NA MSY-GL15NA

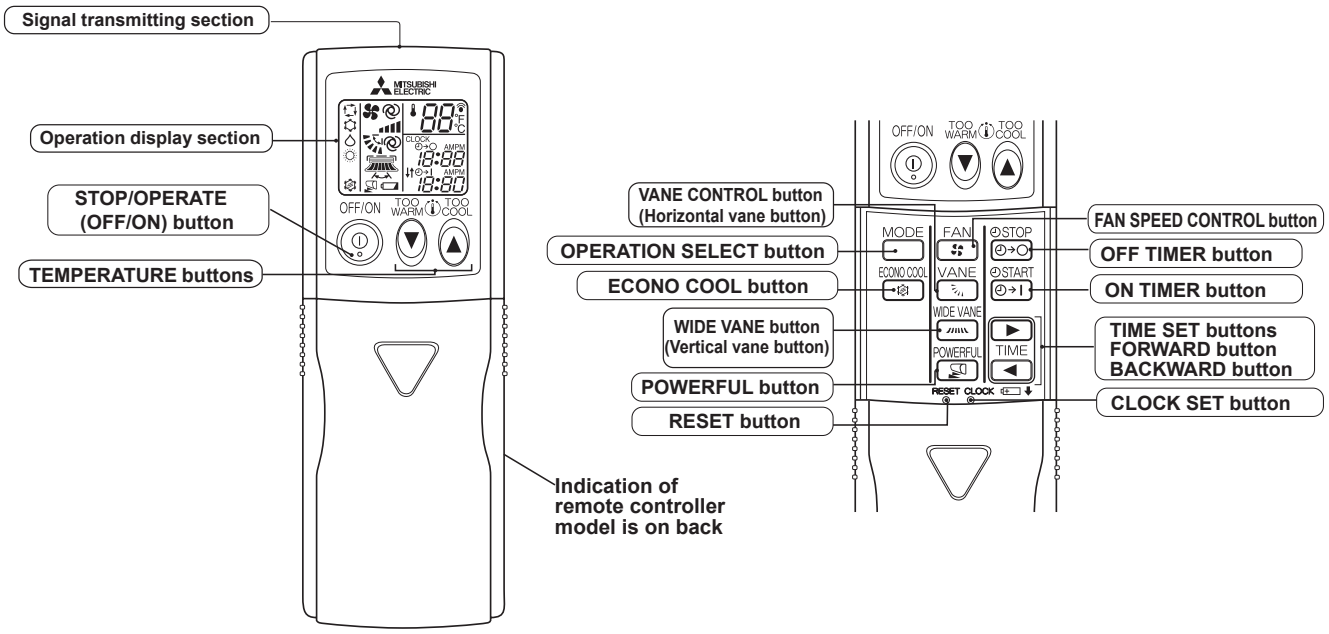


MSZ-GL18NA
MSY-GL18NA



NOTE: Last setting will be stored after the unit is turned OFF with the remote controller. Indoor unit receives the signal of the remote controller with beeps.

MSZ-GL24NA
MSY-GL24NA



NOTE: Last setting will be stored after the unit is turned OFF with the remote controller. Indoor unit receives the signal of the remote controller with beeps.

INDOOR UNIT DISPLAY SECTION

Operation Indicator lamp

The operation indicator at the right side of the indoor unit indicates the operation state.

• The following indication applies regardless of shape of the indication.

Indication	Operation state	Room temperature
☀ ☀	The unit is operating to reach the set temperature	About 4°F(2°C) or more away from set temperature
☀ ○	The room temperature is approaching the set temperature	About 2 to 4°F(1 to 2°C) from set temperature
☀ ☼	Standby mode (Only during multi system operation)	—

☀ Lighted
☼ Blinking
○ Not lighted

a. COOL ( ) OPERATION

(1) Press STOP/OPERATE (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns ON with a beep tone.
(2) Select COOL mode with OPERATION SELECT button.
(3) Press TEMPERATURE buttons (TOO WARM or TOO COOL button) to select the desired temperature.
The setting range is 61 ~ 88°F (16 ~ 31°C).

1. Coil frost prevention

The compressor operational frequency is controlled by the temperature of the indoor heat exchanger to prevent the coil from frosting.
When the temperature of indoor heat exchanger becomes too low, the coil frost prevention mode works.
The indoor fan operates at the set speed and the compressor stops. This mode continues until the temperature of indoor heat exchanger rises.

2. Low outside temperature operation

When the outside temperature is lower, low outside temperature operation starts, and the outdoor fan slows or stops.

b. DRY ( ) OPERATION

(1) Press STOP/OPERATE (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns ON with a beep tone.
(2) Select DRY mode with OPERATION SELECT button.
(3) The set temperature is determined from the initial room temperature.

1. Coil frost prevention

Coil frost prevention works the same way as that in the COOL mode. (a.1.)

2. Low outside temperature operation

Low outside temperature operation works the same way as that in the COOL mode. (a.2.)

c. HEAT ( ) OPERATION (MSZ)

(1) Press STOP/OPERATE (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns ON with a beep tone.
(2) Select HEAT mode with OPERATION SELECT button.
(3) Press TEMPERATURE buttons (TOO WARM or TOO COOL button) to select the desired temperature.
The setting range is 61 ~ 88°F (16 ~ 31°C).

1. Cold air prevention control

When the compressor is not operating or is starting, and the temperature of indoor heat exchanger and/or the room temperature is low or when defrosting is being done, the indoor fan will stop or rotate in Very Low speed.

2. High pressure protection

The compressor operational frequency is controlled by the temperature of the indoor heat exchanger to prevent the condensing pressure from increasing excessively.
When the temperature of indoor heat exchanger becomes too high, the high pressure protection works.
The indoor fan operates following the cold air prevention control. This mode continues until the temperature of indoor heat exchanger falls.

3. Defrosting

Defrosting starts when the temperature of outdoor heat exchanger becomes too low.
The compressor stops once, the indoor/outdoor fans stop, the 4-way valve reverses and the compressor re-starts.
This mode continues until the temperature of outdoor heat exchanger rises or the fixed time passes.

d. FAN( )OPERATION (MSY)

(1) Press STOP/OPERATE (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns ON with a beep tone.
(2) Select FAN mode with OPERATION SELECT button.
(3) Select the desired fan speed. When AUTO, it becomes Low.
Only indoor fan operates. Outdoor unit does not operate.

e. “I FEEL CONTROL” ( ) OPERATION (MSY)

(1) Press STOP/OPERATE (OFF/ON) button on the remote controller. OPERATION INDICATOR lamp of the indoor unit turns ON with a beep tone.
(2) Select “I FEEL CONTROL” mode with OPERATION SELECT button.
(3) The operation mode is determined by the room temperature at startup of the operation.
- Once the mode is fixed, the mode does not change by room temperature afterwards.
- Under the ON TIMER ( ) operation, mode is determined according to the room temperature at the startup of operation.

(4) The initial set temperature is decided by the initial room temperature.

Initial room temperature	Model	Initial set temperature
79°F (26°C) or more	COOL mode of "I FEEL CONTROL"	75°F (24°C)
77 to 79°F (25 to 26°C)		Initial room temperature minus 4°F (2°C)
Less than 79°F (25°C)	DRY mode of "I FEEL CONTROL"	Initial room temperature minus 4°F (2°C)

(5) TEMPERATURE buttons

In "I FEEL CONTROL" (▭) mode, set temperature is decided by the microprocessor based on the room temperature. In addition, set temperature can be controlled by TOO WARM or TOO COOL buttons when you feel too cool or too warm. Each time the TOO WARM or TOO COOL button is pressed, the indoor unit receives the signal and emits a beep tone.

• **Fuzzy control**

When the TOO COOL or TOO WARM button is pressed, the microprocessor changes the set temperature, considering the room temperature, the frequency of pressing TOO COOL or TOO WARM button and the user's preference to heat or cool. So this is called "Fuzzy control", and works only in "I FEEL CONTROL" mode.

In DRY mode of "I FEEL CONTROL", the set temperature does not change.

…To raise the set temperature 2~4°F (1~2°C)

…To lower the set temperature 2~4°F (1~2°C)

f. AUTO CHANGE OVER ··· AUTO MODE OPERATION (MSZ)

Once desired temperature is set, unit operation is switched automatically between COOL and HEAT operation.

Mode selection

(1) Initial mode

When unit starts the operation with AUTO operation from OFF:

- If the room temperature is higher than the set temperature, operation starts in COOL mode.
- If the room temperature is equal to or lower than the set temperature, operation starts in HEAT mode.

(2) Mode change

COOL mode changes to HEAT mode when about 15 minutes have passed with the room temperature 2°F (1°C) below the set temperature.

HEAT mode changes to COOL mode when about 15 minutes have passed with the room temperature 2°F (1°C) above the set temperature.

NOTE 1

If 2 or more indoor units are operating in multi system, there might be a case that the indoor unit, which is operating in ▭ (AUTO), cannot change over to the other operating mode (COOL ↔ HEAT (**MSZ**)) and becomes a state of standby.

Refer to **NOTE 2 "FOR MULTI SYSTEM AIR CONDITIONER"**.

NOTE 2

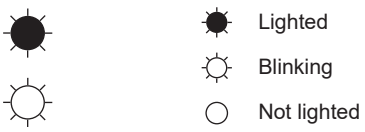
FOR MULTI SYSTEM AIR CONDITIONER

OUTDOOR UNIT: MXZ series

Multi system air conditioner can connect 2 or more indoor units with 1 outdoor unit.

- When you try to operate 2 or more indoor units with 1 outdoor unit simultaneously, 1 for the cooling and the others for heating, the operation mode of the indoor unit that operates first is selected. Other indoor units cannot operate, and operation indicator lamp flashes as shown in the figure below. In this case, please set all the indoor units to the same operation mode.

<Operation indicator lamp>



- When indoor unit starts the operation while the defrosting of outdoor unit is being done, it takes a few minutes (max. 10 minutes) to blow out the warm air.
- In the heating operation, though indoor unit that does not operate may get warm or the sound of refrigerant flowing may be heard, they are not malfunction. The reason is that the refrigerant continuously flows into it.

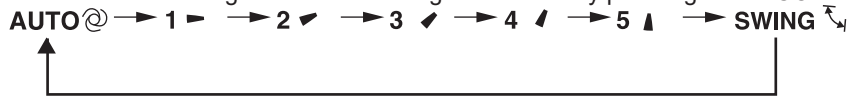
g. AUTO VANE OPERATION

1. Horizontal vane

(1) Vane motor drive

These models are equipped with a stepping motor for the horizontal vane. The rotating direction, speed, and angle of the motor are controlled by pulse signals (approximately 12 V) transmitted from indoor microprocessor.

(2) The horizontal vane angle and mode change as follows by pressing VANE CONTROL button.



(3) Positioning

To confirm the standard position, the vane moves until it touches the vane stopper. Then the vane is set to the selected angle.

Confirmation of standard position is performed in the following cases:

(a) When the operation starts or finishes (including timer operation).

(b) When the test run operation starts.

(c) When standby mode (only during multi system operation) starts or finishes.

(4) VANE AUTO ( ) mode

The microprocessor automatically determines the vane angle to make the optimum room temperature distribution.

In COOL and DRY operation
Vane angle is fixed to Horizontal position.

In HEAT operation
Vane angle is fixed to Angle 5.

(5) STOP (operation OFF) and ON TIMER standby

In the following cases, the horizontal vane returns to the closed position.

(a) When STOP/OPERATE (OFF/ON) button is pressed (POWER OFF).

(b) When the operation is stopped by the emergency operation.

(c) When ON TIMER is ON standby.

(6) Dew prevention

During COOL or DRY operation with the vane angle at Angle 4 or 5 when the compressor cumulative operation time exceeds 1 hour, the vane angle automatically changes to Angle 1 for dew prevention.

(7) SWING ( ) mode

By selecting SWING mode with VANE CONTROL button, the horizontal vane swings vertically.

(8) Cold air prevention in HEAT operation (**MSZ**)

The horizontal vane position is set to Upward.

NOTE: When 2 or more indoor units are operated with multi outdoor unit, even if any indoor unit turns thermostat OFF, this control does not work in the indoor unit.

(9) ECONO COOL ( ) operation (ECONOmical operation)

When ECONO COOL button is pressed in COOL mode, set temperature is automatically set 4°F(2°C) higher.

Also the horizontal vane swings in various cycle.

SWING operation makes you feel cooler than set temperature. So, even though the set temperature is higher, the air conditioner can keep comfort. As a result, energy can be saved.

To cancel this operation, select a different mode or press one of the following buttons in ECONO COOL operation: ECONO COOL, VANE CONTROL, or POWERFUL (**MSZ-GL24NA, MSY-GL24NA**) button.

(10) POWERFUL ( ) operation. (**MSZ-GL24NA MSY-GL24NA**)

The air conditioner automatically adjusts the fan speed and the set temperature, and operates the POWERFUL mode. The POWERFUL mode is automatically released 15 minutes after operation starts, and the operation mode returns to the mode prior to POWERFUL operation. To cancel this operation manually, select a different mode or press POWERFUL or ECONO COOL button.

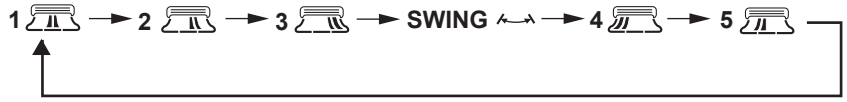
2. Vertical vane (MSZ-GL18/24NA MSY-GL18/24NA)

(1) Vane motor drive

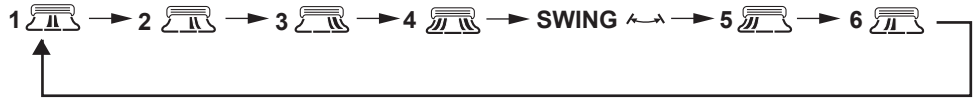
These models are equipped with a stepping motor for the vertical vane. The rotating direction, speed, and angle of the motor are controlled by pulse signals (approximately 12 V) transmitted from microprocessor.

(2) The vertical vane angle and mode change as follows by pressing WIDE VANE button.

MSZ-GL18NA MSY-GL18NA



MSZ-GL24NA MSY-GL24NA



(3) Positioning

(a) When STOP/OPERATE (OFF/ON) button is pressed (POWER ON).

(b) When SWING is started.

(c) When the power supply turns ON.

(4) SWING MODE ( )

By selecting SWING mode with WIDE VANE button, the vertical vane swings horizontally.

The remote controller displays "". Swing mode is cancelled when WIDE MODE button is pressed once again.

(5) WIDE MODE ( ) (**MSZ-GL24NA MSY-GL24NA**)

By selecting WIDE mode with WIDE VANE button, indoor fan speed becomes faster than setting fan speed on the remote controller (*). The remote controller displays " ".

NOTE: * Indoor fan speed becomes faster than setting fan speed on the remote controller even when or is selected.

h. TIMER OPERATION

1. How to set the time

(1) Check that the current time is set correctly.

NOTE: Timer operation will not work without setting the current time. Initially "0:00 AM" blinks at the current time display of TIME MONITOR, so set the current time correctly with CLOCK SET button.

How to set the current time

(a) Press the CLOCK set button.

(b) Press the TIME SET buttons (► and ◄) to set the current time.

- Each time FORWARD button (►) is pressed, the set time increases by 1 minute, and each time BACKWARD button (◄) is pressed, the set time decreases by 1 minute.
- Pressing those buttons longer, the set time increases/decreases by 10 minutes.

(c) Press the CLOCK set button.

(2) Press STOP/OPERATE (OFF/ON) button to start the air conditioner.

(3) Set the time of timer.

ON timer setting

(a) Press ON TIMER button (START) during operation.

(b) Set the time of the timer using TIME SET buttons (► and ◄). *

OFF timer setting

(a) Press OFF TIMER button (STOP) during operation.

(b) Set the time of the timer using TIME SET buttons (► and ◄). *

* Each time FORWARD button (►) is pressed, the set time increases by 10 minutes: each time BACKWARD button (◄) is pressed, the set time decreases by 10 minutes.

2. To release the timer

To release ON timer, press ON TIMER button (START).

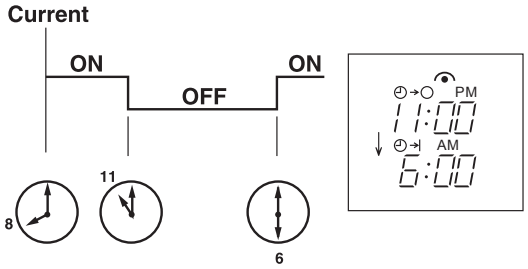
To release OFF timer, press OFF TIMER button (STOP).

TIMER is cancelled and the display of set time disappears.

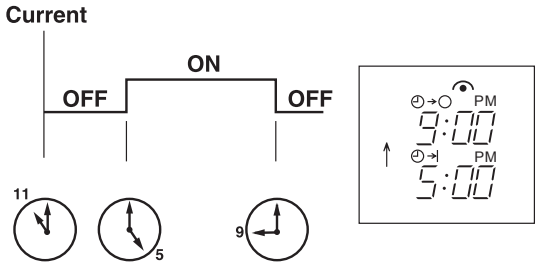
PROGRAM TIMER

• OFF timer and ON timer can be used in combination. The set time that is reached first will operate first.
• " ↓ " and " ↑ " display shows the order of OFF timer and ON timer operation.

(Example 1) The current time is 8:00 PM.
The unit turns OFF at 11:00 PM, and ON at 6:00 AM.



(Example 2) The current time is 11:00 AM.
The unit turns ON at 5:00 PM, and OFF at 9:00 PM.



NOTE: If the main power is turned OFF or a power failure occurs while ON/OFF timer is active, the timer setting is cancelled. As these models are equipped with an auto restart function, the air conditioner starts operating with timer cancelled when power is restored.

i. SMART SET (🔥) OPERATION (MSZ-GL06/09/12/15/18NA MSY-GL09/12/15/18NA)

1. How to SET SMART SET operation

(1) Press STOP/OPERATE (OFF/ON) button.
(2) Select COOL, HEAT **(MSZ)** or ECONO COOL mode.
(3) Press SMART SET button.
(4) Set the temperature, fan speed, and airflow direction for SMART SET operation.

NOTE:

- SMART SET operation cannot be selected during DRY or AUTO mode operation.
- The setting range of HEAT mode in SMART SET operation is between 50°F (10°C) and 61 - 88°F (16 - 31°C) **(MSZ)**.
- 2 settings can be saved. (One for COOL/ECONO COOL, one for HEAT) **(MSZ)**.
- 1 setting can be saved. **(MSY)**.

2. How to cancel operation

• Press SMART SET button again.
• SMART SET operation can also be cancelled by pressing OPERATION SELECT button to change the operation mode. The same setting will be selected from the next time by simply pressing SMART SET button.

j. EMERGENCY/TEST OPERATION

In the case of test run operation or emergency operation, use EMERGENCY OPERATION switch on the right side of the indoor unit. Emergency operation is available when the remote controller is missing, has failed, or when the batteries in the remote controller running down. The unit will start and OPERATION INDICATOR lamp will light up. The first 30 minutes of operation is the test run operation. This operation is for servicing. The indoor fan runs at High speed and the temperature control does not work.

After 30 minutes of test run operation, the system shifts to EMERGENCY COOL/HEAT(MSZ) MODE with a set temperature of 75°F (24°C). The fan speed shifts to Med.

All protective operations such as the coil frost prevention works even in the test run or emergency operation.

In the test run or emergency operation, the horizontal vane operates in VANE AUTO (@) mode.

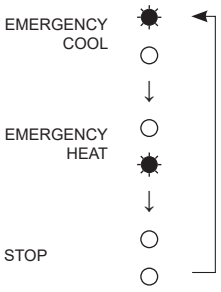
Emergency operation continues until EMERGENCY OPERATION switch is pressed once or twice or the unit receives any signal from the remote controller. In the latter case normal operation will start.

NOTE: Do not press EMERGENCY OPERATION switch during normal operation.

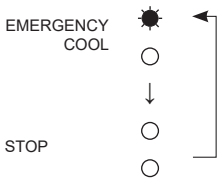
Operation mode	COOL	HEAT (**MSZ**)
Set temperature	75°F(24°C)	75°F(24°C)
Fan speed	Med.	Med.
Horizontal vane	Auto	Auto

The operation mode is indicated by the Operation Indicator lamp as follows.

MSZ



MSY



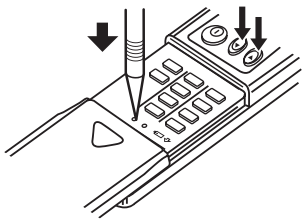
Lighted
Not lighted

k. 3-MINUTE TIME DELAY OPERATION

When the system turns OFF, compressor will not restart for 3 minutes as 3-minute time delay function operates to protect compressor from overload.

l. Changing temperature indication (°F/°C)

- The preset unit is °F.
- °F → °C: Press RESET button while the temperature buttons are pressed.
- °C → °F: Press RESET button or remove the batteries .

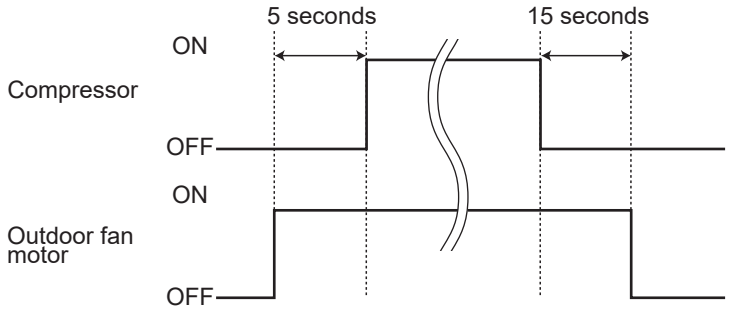


Press RESET button gently using a thin instrument.

m.ACTUATOR CONTROL

m-1. OUTDOOR FAN MOTOR CONTROL

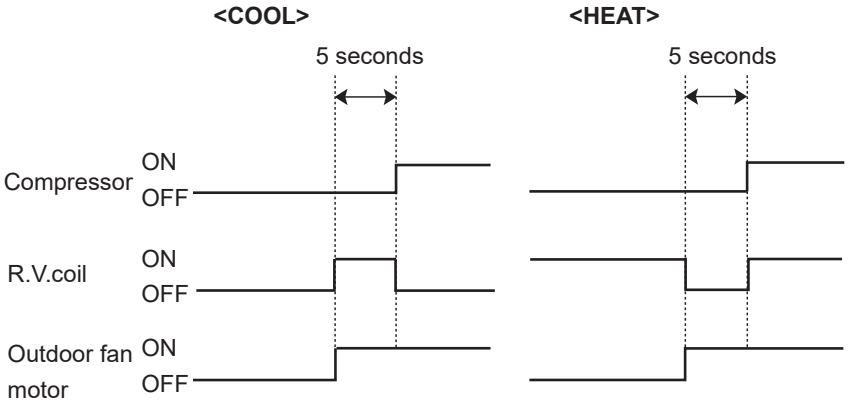
The fan motor turns ON/OFF, interlocking with the compressor.
[ON] The fan motor turns ON 5 seconds before the compressor starts up.
[OFF] The fan motor turns OFF 15 seconds after the compressor has stopped running.



m-2. R.V. COIL CONTROL (MUZ)

Heating · ON
Cooling · OFF
Dry · OFF

NOTE: The 4-way valve reverses for 5 seconds right before startup of the compressor.



m-3. RELATION BETWEEN MAIN SENSOR AND ACTUATOR

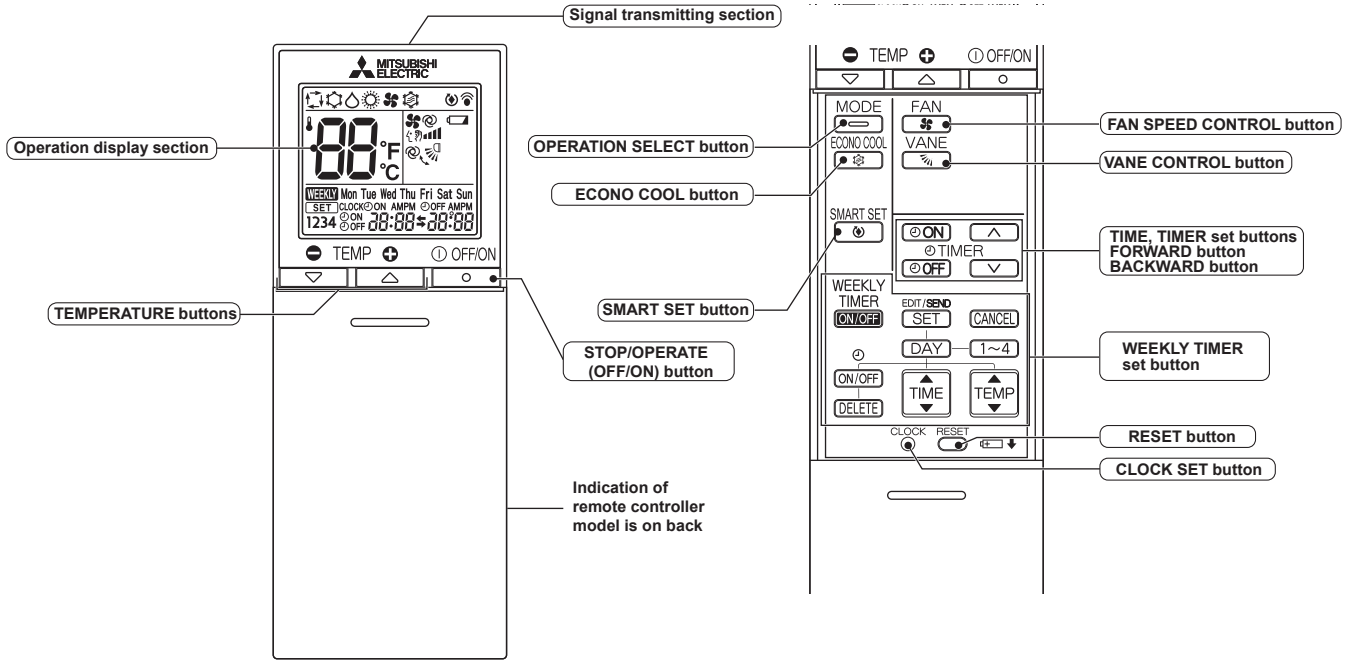
Sensor	Purpose	Actuator					
		Compressor	LEV	Outdoor fan motor	R.V.coil	Indoor fan motor	Defrost heater *
Discharge temperature thermistor	Protection	○	○				
Indoor coil temperature thermistor	Cooling: Coil frost prevention	○					
	Heating: High pressure protection	○	○				
Defrost thermistor **(MUZ)**	Heating: Defrosting	○	○	○	○	○	
Fin temperature thermistor	Protection	○		○			
Ambient temperature thermistor	Cooling: Low ambient temperature operation	○	○	○			
	Heating: Defrosting (Heater)						○
Outdoor heat exchanger temperature thermistor	Cooling: Low ambient temperature operation	○	○	○			
	Cooling: High pressure protection	○	○	○			

*. **MUZ-GL•NAH** only.

A.1.9.3 MSZ-EF•NA Series

MSZ-EF09NAW MSZ-EF12NAW MSZ-EF15NAW MSZ-EF18NAW
MSZ-EF09NAB MSZ-EF12NAB MSZ-EF15NAB MSZ-EF18NAB
MSZ-EF09NAS MSZ-EF12NAS MSZ-EF15NAS MSZ-EF18NAS

WIRELESS REMOTE CONTROLLER



NOTE: Last setting will be stored after the unit is turned OFF with the remote controller. Indoor unit receives the signal of the remote controller with beeps.

INDOOR UNIT DISPLAY SECTION

Operation Indicator lamp

The operation indicator at the right side of the indoor unit indicates the operation state.

• The following indication applies regardless of shape of the indication.

Indication	Operation state	Room temperature
☀ ☀	The unit is operating to reach the set temperature	About 4°F (2°C) or more away from set temperature
☀ ○	The room temperature is approaching the set temperature	About 2 to 4°F (1 to 2°C) from set temperature
☀ ☼	Standby mode (Only during multi system operation)	—

☀ Lighted
☼ Blinking
○ Not lighted

a. COOL (☼) OPERATION

(1) Press STOP/OPERATE (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select COOL mode with OPERATION SELECT button.
(3) Press TEMPERATURE buttons TEMP ⊖ or ⊕ button to select the desired temperature.
The setting range is 61 - 88°F (16 - 31°C).

1. Coil frost prevention

The compressor operational frequency is controlled by the temperature of the indoor heat exchanger to prevent the coil from frosting.
When the temperature of indoor heat exchanger becomes too low, the coil frost prevention mode works.
The indoor fan operates at the set speed and the compressor stops. This mode continues until the temperature of indoor heat exchanger rises.

2. Low outside temperature operation

When the outside temperature is lower, low outside temperature operation starts, and the outdoor fan slows or stops.

3. Indoor fan speed control

When the thermostat turns OFF, the indoor fan operates very Low to reduce power consumption.
When the room temperature rises and the thermostat is ON, the indoor fan operates according to the settings on the remote controller.

b. DRY (△) OPERATION

(1) Press STOP/OPERATE (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select DRY mode with OPERATION SELECT button.
(3) The set temperature is determined from the initial room temperature.

1. Coil frost prevention

Coil frost prevention works the same way as that in COOL mode. (a.1.)

2. Low outside temperature operation

Low outside temperature operation works the same way as that in COOL mode. (a.2.)

3. Indoor fan speed control

Indoor fan speed control works the same way as that in COOL mode. (a.3.)

c. FAN (✾) OPERATION

(1) OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select FAN mode with OPERATION SELECT button.
(3) Select the desired fan speed. When AUTO, it becomes Low.
Only indoor fan operates.
Outdoor unit does not operate.

d. HEAT (☼) OPERATION

(1) Press STOP/OPERATE (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select HEAT mode with OPERATION SELECT button.
(3) Press TEMPERATURE buttons TEMP ⊖ or ⊕ button to select the desired temperature.
The setting range is 61 - 88°F (16 - 31°C).

1. Cold air prevention control

When the compressor is not operating or is starting, and the temperature of indoor heat exchanger and/or the room temperature is low or when defrosting is being done, the indoor fan will stop or rotate in Very Low speed.

2. High pressure protection

The compressor operational frequency is controlled by the temperature of the indoor heat exchanger to prevent the condensing pressure from increasing excessively.
When the temperature of indoor heat exchanger becomes too high, the high pressure protection works.
The indoor fan operates following the cold air prevention control. This mode continues until the temperature of indoor heat exchanger falls.

3. Defrosting

Defrosting starts when the temperature of outdoor heat exchanger becomes too low.
The compressor stops once, the indoor/outdoor fans stop, the 4-way valve reverses, and the compressor re-starts.
This mode continues until the temperature of outdoor heat exchanger rises or the fixed time passes.

e. AUTO CHANGE OVER ··· AUTO MODE OPERATION

Once desired temperature is set, unit operation is switched automatically between COOL and HEAT operation.

Mode selection

(1) Initial mode

When unit starts the operation with AUTO operation from OFF:

- If the room temperature is higher than the set temperature, operation starts in COOL mode.
- If the room temperature is equal to or lower than the set temperature, operation starts in HEAT mode.

(2) Mode change

COOL mode changes to HEAT mode when about 15 minutes have passed with the room temperature 2°F (1°C) below the set temperature.

HEAT mode changes to COOL mode when about 15 minutes have passed with the room temperature 2°F (1°C) above the set temperature.

NOTE 1

If two or more indoor units are operating in multi system, there might be a case that the indoor unit, which is operating in (AUTO), cannot change over to the other operating mode (COOL ↔ HEAT) and becomes a state of standby.

Refer to **NOTE 2 "FOR MULTI SYSTEM AIR CONDITIONER"**.

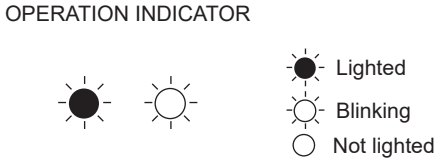
NOTE 2

FOR MULTI SYSTEM AIR CONDITIONER

OUTDOOR UNIT: MXZ series

Multi system air conditioner can connect two or more indoor units with one outdoor unit.

- When you try to operate 2 or more indoor units with one outdoor unit simultaneously, one for the cooling and the others for heating, the operation mode of the indoor unit that operates first is selected. Other indoor units cannot operate, and operation indicator lamp blinks as shown in the figure below. In this case, please set all the indoor units to the same operation mode.



- When indoor unit starts the operation while the defrosting of outdoor unit is being done, it takes a few minutes (max. 10 minutes) to blow out the warm air.
- In the heating operation, though indoor unit that does not operate may get warm or the sound of refrigerant flowing may be heard, they are not malfunction. The reason is that the refrigerant continuously flows into it.

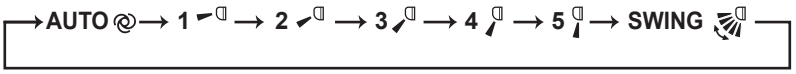
f. AUTO VANE OPERATION

1. Horizontal vane

(1) Vane motor drive

These models are equipped with a stepping motors for the horizontal vanes. The rotating direction, speed, and angle of the motor are controlled by pulse signals (approximately 12 V) transmitted from indoor microprocessor.

(2) The horizontal vane angle and mode change as follows by pressing VANE CONTROL button.



(3) Positioning

To confirm the standard position, the vane move until it touches the vane stopper. Then the vane is set to the selected angle.

Confirming of standard position is performed in the following cases:

(a) When the operation starts or finishes (including timer operation).

(b) When the test run starts.

(c) When standby mode (only during multi system operation) starts or finishes.

(4) VANE AUTO (@) mode
In VANE AUTO mode, the microprocessor automatically determines the vane angle to make the optimum room temperature distribution.

In COOL and DRY operation
Vane angle is fixed to Horizontal position.

In HEAT operation
Vane angle is fixed to Angle 4.

(5) STOP (operation OFF) and ON TIMER standby
In the following cases, the horizontal vane returns to the closed position.
(a) When STOP/OPERATE (OFF/ON) button is pressed (POWER OFF).
(b) When the operation is stopped by the emergency operation.
(c) When ON TIMER is ON standby.

(6) Dew prevention
During COOL or DRY operation with the vane angle at Angle 4 or 5 when the compressor cumulative operation time exceeds 1 hour, the vane angle automatically changes to Angle 3 for dew prevention.

(7) SWING ( ) mode
By selecting SWING mode with VANE CONTROL button, the horizontal vanes swing vertically.
When COOL, DRY or FAN mode is selected, only the upper vane swings.

(8) Cold air prevention in HEAT operation
The horizontal vane position is set to upward.
NOTE: When 2 or more indoor units are operated with multi outdoor unit, even if any indoor unit turns thermostat off, this control does not work in the indoor unit.

(9) ECONO COOL ( ) operation (ECONOmical operation)
When ECONO COOL button is pressed in COOL mode, set temperature is automatically set 4°F (2°C) higher by the microprocessor. However, the temperature on the LCD screen on the remote controller is not changed. Also the horizontal vane swings in various cycle.
SWING operation makes you feel cooler than set temperature. So, even though the set temperature is higher, the air conditioner can keep comfort. As a result, energy can be saved.
To cancel this operation, select a different mode or press one of the following buttons in ECONO COOL operation: ECONO COOL or VANE CONTROL button.

g. TIMER OPERATION

1. How to set the time

(1) Check that the current time is set correctly.

NOTE: Timer operation will not work without setting the current time. Initially "12:00 AM" blinks at the current time display of TIME MONITOR, so set the current time correctly with CLOCK button.

How to set the current time

(a) Press the CLOCK button.

(b) Press the TIME SET buttons (∧ and ∨) to set the current time.

- Each time FORWARD button (∧) is pressed, the set time increases by 1 minute, and each time BACKWARD button (∨) is pressed, the set time decreases by 1 minute.
- Pressing those buttons longer, the set time increases/decreases by 10 minutes.

(c) Press the CLOCK set button.

(2) Press STOP/OPERATE (OFF/ON) button to start the air conditioner.

(3) Set the time of timer.

ON timer setting

(a) Press ON TIMER button(ON) during operation.

(b) Set the time of the timer using TIME SET buttons (∧ and ∨). *

OFF timer setting

(a) Press OFF TIMER button (OFF) during operation.

(b) Set the time of the timer using TIME SET buttons (∧ and ∨). *

* Each time FORWARD button (∧) is pressed, the set time increases by 10 minutes: each time BACKWARD button (∨) is pressed, the set time decreases by 10 minutes.

2. To release the timer

To release ON timer, press ON TIMER button (ON).

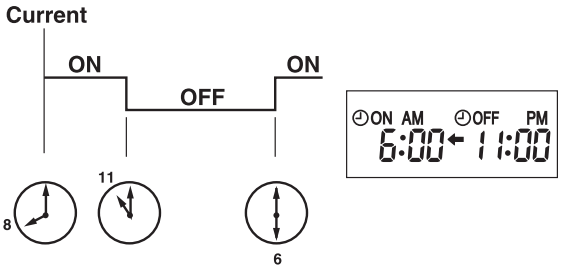
To release OFF timer, press OFF TIMER button(OFF).

TIMER is cancelled and the display of set time disappears.

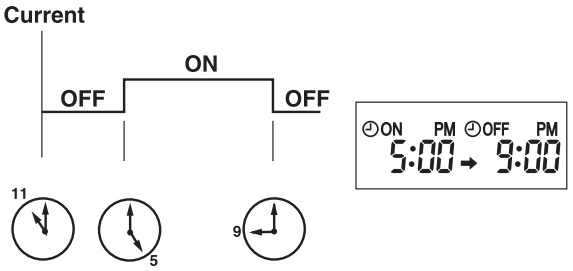
PROGRAM TIMER

- OFF timer and ON timer can be used in combination. The set time that is reached first will operate first.
- "➡" and "⬅" display shows the order of OFF timer and ON timer operation.

(Example 1) The current time is 8:00 PM.
The unit turns off at 11:00 PM, and on at 6:00 AM.



(Example 2) The current time is 11:00 AM.
The unit turns on at 5:00 PM, and off at 9:00 PM.

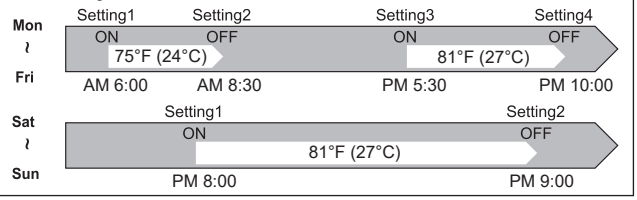


NOTE: If the main power is turned OFF or a power failure occurs while ON/OFF timer is active, the timer setting is cancelled. As these models are equipped with an auto restart function, the air conditioner starts operating with timer cancelled when power is restored.

h. WEEKLY TIMER OPERATION

- A maximum of 4 ON or OFF timers can be set for individual days of the week.
- A maximum of 28 ON or OFF timers can be set for a week.

E.g. : Runs at 75°F (24°C) from waking up to leaving home, and runs at 81°F (27°C) from getting home to going to bed on weekdays.
Runs at 81°F (27°C) from waking up late to going bed early on weekends.



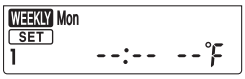
NOTE:

- The simple ON/OFF timer setting is available while the weekly timer is on. In this case, the ON/OFF timer has priority over the weekly timer; the weekly timer operation will start again after the simple ON/OFF timer is complete.
- When the weekly timer is set, temperature can not be set to 50°F (10°C).
- The weekly timer operation and SMART SET operation cannot be used together.

1. How to set the weekly timer

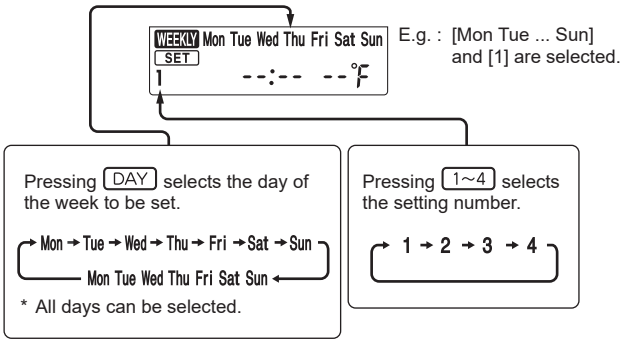
* Make sure that the current time and day are set correctly.

(1) Press EDIT/SEND SET button to enter the weekly timer setting mode.

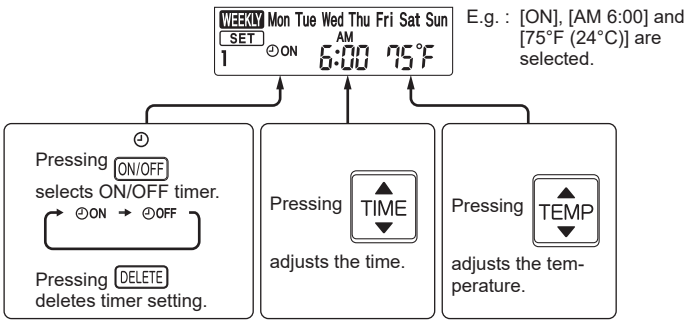


* SET blinks.

(2) Press DAY and 1~4 buttons to select setting day and number.



(3) Press ON/OFF, TIME, and TEMP buttons to set ON/OFF, time, and temperature.



* Hold down the button to change the time quickly.

* The temperature can be set between 61°F and 88°F (16°C and 31°C) at weekly timer.

Press DAY and 1~4 buttons to continue setting the timer for other days and/or numbers.

(4) Press EDIT/SEND SET button to complete and transmit the weekly timer setting.

* SET which was blinking goes out, and the current time will be displayed.

NOTE:

- Press EDIT/SEND SET button to transmit the setting information of weekly timer to the indoor unit. Point the remote controller toward the indoor unit for 3 seconds.
- When setting the timer for more than one day of the week or one number, EDIT/SEND SET button does not have to be pressed per each setting. Press EDIT/SEND SET button once after all the settings are complete. All the weekly timer settings will be saved.
- Press EDIT/SEND SET button to enter the weekly timer setting mode, and press and hold DELETE button for 5 seconds to erase all weekly timer settings. Point the remote controller toward the indoor unit.

(5) Press WEEKLY TIMER ON/OFF button to turn the weekly timer ON. (WEEKLY lights.)

- When the weekly timer is ON, the day of the week whose timer setting is complete, will light.

Press WEEKLY TIMER ON/OFF button again to turn the weekly timer OFF. (WEEKLY goes out.)

NOTE:

The saved settings will not be cleared when the weekly timer is turned OFF.

2. Checking weekly timer setting

(1) Press EDIT/SEND SET button to enter the weekly timer setting mode.

*SET blinks.

(2) Press DAY or 1~4 buttons to view the setting of the particular day or number.

(3) Press CANCEL button to exit the weekly timer setting.

NOTE:

When all days of the week are selected to view the settings and a different setting is included among them, --:-- --°F will be displayed.

i. SMART SET (◉) OPERATION

1. How to set SMART SET operation

(1) Press STOP/OPERATE (OFF/ON) button.
(2) Select COOL, HEAT or ECONO COOL mode.
(3) Press SMART SET button.
(4) Set the temperature, fan speed, and airflow direction for SMART SET operation.

NOTE:

- Select the appropriate temperature, fan speed, and airflow direction according to your room.
- SMART SET operation cannot be selected during DRY or AUTO mode operation.
- The setting range of HEAT mode SMART SET operation is 50°F (10°C) and 61 - 88°F (16 - 31°C).
- 2 groups of setting can be saved. (One for COOL/ECONO COOL, one for HEAT)
- SMART SET operation and the weekly timer operation cannot be used together.

2. How to cancel operation

- Press SMART SET button again.
- SMART SET operation can also be cancelled by pressing OPERATION SELECT button to change the operation mode. The same setting is select from the next time by simply pressing SMART SET button.
- SMART SET operation cannot be set on the weekly timer.

j. EMERGENCY/TEST OPERATION

In the case of test run operation or emergency operation, use EMERGENCY OPERATION switch on the right side of the indoor unit. Emergency operation is available when the remote controller is missing or has failed, or when the batteries in the remote controller are running down. The unit will start and OPERATION INDICATOR lamp will light up. The first 30 minutes of operation is the test run operation. This operation is for servicing. The indoor fan runs at High speed and the temperature control does not work.

After 30 minutes of test run operation, the system shifts to EMERGENCY COOL/HEAT MODE with a set temperature of 75°F (24°C). The fan speed shifts to Medium.

The coil frost prevention works even in the test run or the emergency operation.

In the test run or emergency operation, the horizontal vane operates in VANE AUTO (@) mode.

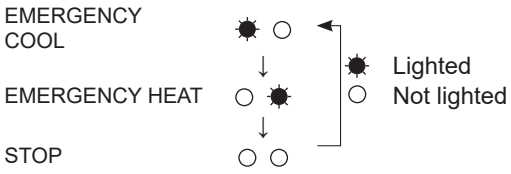
Emergency operation continues until EMERGENCY OPERATION switch is pressed once or twice or the unit receives any signal from the remote controller. In the latter case, normal operation will start.

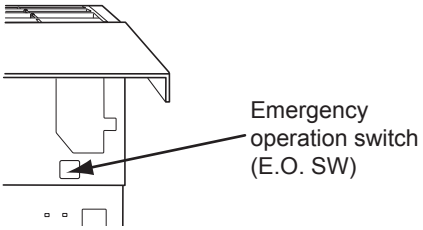
NOTE: Do not press EMERGENCY OPERATION switch during normal operation.

Operation mode	COOL/HEAT
Set temperature	75°F (24°C)
Fan speed	Med.
Horizontal vane	Auto

The operation mode is indicated by the Operation Indicator lamp as follows.

Operation Indicator lamp



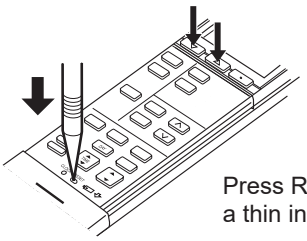


k. 3-MINUTE TIME DELAY OPERATION

When the system turns OFF, compressor will not restart for 3 minutes as 3-minute time delay function operates to protect compressor from overload.

l. Changing temperature indication (°F/°C)

- The preset unit is °F.
- °F → °C: Press RESET button while the temperature buttons are pressed.
- °C → °F: Press RESET button or remove the batteries .

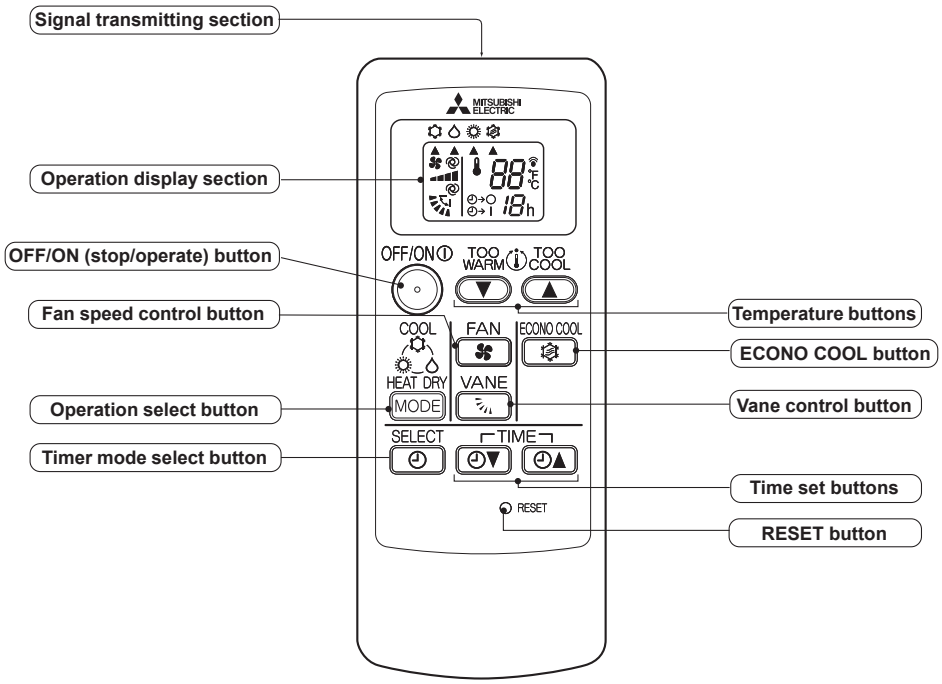


Press RESET button gently using a thin instrument.

A.1.9.4 MSZ-HM•NA Series

MSZ-HM09NA MSZ-HM12NA MSZ-HM15NA MSZ-HM18NA MSZ-HM24NA
MUZ-HM09NA MUZ-HM12NA MUZ-HM15NA MUZ-HM18NA MUZ-HM24NA
MUZ-HM09NAH MUZ-HM12NAH MUZ-HM15NAH MUZ-HM18NAH MUZ-HM24NAH

WIRELESS REMOTE CONTROLLER



NOTE: Last setting will be stored after the unit is turned OFF with the remote controller. Indoor unit receives the signal of the remote controller with beeps.

INDOOR UNIT DISPLAY SECTION

Operation Indicator lamp

The operation indicator at the right side of the indoor unit indicates the operation state.

•The following indication applies regardless of shape of the indication.

Indication	Operation state	Room temperature
☀ ☀	The unit is operating to reach the set temperature	About 4°F (2°C) or more away from set temperature
☀ ○	The room temperature is approaching the set temperature	About 2 to 4 °F (1° to 2°C) from set temperature

☀ Lighted
☼ Blinking
○ Not lighted

a. COOL (☼) OPERATION

(1) Press STOP/OPERATE (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select COOL mode with OPERATION SELECT button.
(3) Press TEMPERATURE buttons (TOO WARM or TOO COOL button) to select the desired temperature.
The setting range is 61 - 88°F (16 - 31°C).

1. Coil frost prevention

The compressor operational frequency is controlled by the temperature of the indoor heat exchanger to prevent the coil from frosting.

When the temperature of indoor heat exchanger becomes too low, the coil frost prevention mode works. The indoor fan operates at the set speed and the compressor stops. This mode continues until the temperature of indoor heat exchanger rises.

b. DRY (△) OPERATION

(1) Press STOP/OPERATE (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select DRY mode with OPERATION SELECT button.
(3) The set temperature is determined from the initial room temperature.

1. Coil frost prevention
Coil frost prevention works the same way as that in COOL mode. (a.1.)

c. HEAT (☼) OPERATION

(1) Press STOP/OPERATE (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select HEAT mode with OPERATION SELECT button.
(3) Press TEMPERATURE buttons (TOO WARM or TOO COOL button) to select the desired temperature.
The setting range is 61 - 88°F (16 - 31°C).

1. Cold air prevention control
When the compressor is not operating or is starting, and the temperature of indoor heat exchanger and/or the room temperature is low or when defrosting is being done, the indoor fan will stop or rotate in Very Low speed.

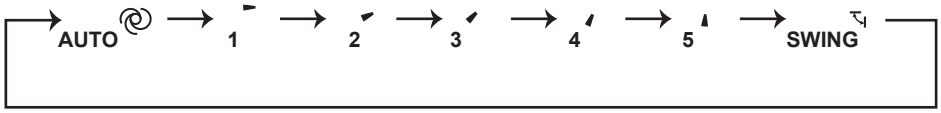
2. High pressure protection
The compressor operational frequency is controlled by the temperature of the indoor heat exchanger to prevent the condensing pressure from increasing excessively.
When the temperature of indoor heat exchanger becomes too high, the high pressure protection works.
The indoor fan operates following the cold air prevention control. This mode continues until the temperature of indoor heat exchanger falls.

3. Defrosting
Defrosting starts when the temperature of outdoor heat exchanger becomes too low.
The compressor stops once, the indoor/outdoor fans stop, the 4-way valve reverses, and the compressor re-starts.
This mode continues until the temperature of outdoor heat exchanger rises or the fixed time passes.

d. AUTO VANE OPERATION

1. Horizontal vane

(1) Vane motor drive
These models are equipped with a stepping motor for the horizontal vane. The rotating direction, speed, and angle of the motor are controlled by pulse signals (approximately 12 V) transmitted from indoor microprocessor.
(2) The horizontal vane angle and mode change as follows by pressing VANE CONTROL button.



(3) Positioning
To confirm the standard position, the vane moves until it touches the vane stopper. Then the vane is set to the selected angle.
Confirmation of standard position is performed in the following cases:
(a) When the operation starts or finishes (including timer operation).
(b) When the test run starts.
(c) When standby mode (only during multi system operation) starts or finishes.

(4) VANE AUTO (@) mode

In VANE AUTO mode, the microprocessor automatically determines the vane angle to make the optimum room temperature distribution.

MSZ-HM09/12/15NA

In COOL and DRY operation
Vane angle is fixed to Horizontal position.

In HEAT operation
Vane angle is fixed to Angle 5.

MSZ-HM18/24NA

In COOL and DRY operation
Vane angle is fixed to Horizontal position.

In HEAT operation
Vane angle is fixed to Angle 4.

(5) STOP (operation OFF) and ON TIMER standby

In the following cases, the horizontal vane returns to the closed position.
(a) When STOP/OPERATE (OFF/ON) button is pressed (POWER OFF).
(b) When the operation is stopped by the emergency operation.
(c) When ON TIMER is ON standby.

(6) Dew prevention

During COOL or DRY operation with the vane angle at Angle 4 or 5 when the compressor cumulative operation time exceeds 0.5 - 1 hour, the vane angle automatically changes to Angle 2 for dew prevention.

(7) SWING ( ) mode

By selecting SWING mode with VANE CONTROL button, the horizontal vane swings vertically.

(8) Cold air prevention in HEAT operation.

The horizontal vane position is set to Upward.

NOTE: When 2 or more indoor units are operated with multi outdoor unit, even if any indoor unit turns thermostat off, this control does not work in the indoor unit.

(9) ECONO COOL ( ) operation (ECONOmical operation)

When ECONO COOL button is pressed in COOL mode, set temperature is automatically set 4°F (2°C) higher.
Also the horizontal vane swings in various cycle.
SWING operation makes you feel cooler than set temperature. So, even though the set temperature is higher, the air conditioner can keep comfort. As a result, energy can be saved.
ECONO COOL operation is cancelled when ECONO COOL button is pressed once again or VANE CONTROL button is pressed or change to other operation mode.

e. TIMER OPERATION (ON/OFF TIMER)

1. How to set the timer

(1) Press STOP/OPERATE (OFF/ON) button to start the air conditioner.

(2) Select the timer mode by pressing the SELECT button during operation.

Each time this button is pressed, the timer mode is changed in sequence:
(OFF TIMER) → (ON TIMER) → TIMER RELEASE

(3) Set the time of the timer using the TIME button.

Each time this button is pressed, the set time increase or decrease by 1 hour to 12 hours.

2. To release the timer

Press the SELECT button until (OFF TIMER) and (ON TIMER) are not displayed.

NOTE :

- The OFF TIMER and the ON TIMER cannot be set at the same time.
- The displayed time is the time remaining and will decrease in 1-hour increments as time passes.

f. EMERGENCY/TEST OPERATION

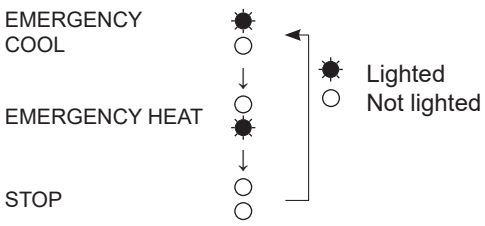
In the case of test run operation or emergency operation, use EMERGENCY OPERATION switch on the right side of the indoor unit. Emergency operation is available when the remote controller is missing or has failed, or when the batteries in the remote controller are running down. The unit will start and OPERATION INDICATOR lamp will light up.
The first 30 minutes of operation is the test run operation. This operation is for servicing. The indoor fan runs at High speed and the temperature control does not work.
After 30 minutes of test run operation, the system shifts to EMERGENCY COOL/HEAT MODE with a set temperature of 75°F (24°C). The fan speed shifts to Med.
The coil frost prevention works even in the test run or the emergency operation.
In the test run or emergency operation, the horizontal vane operates in VANE AUTO (@) mode.
Emergency operation continues until EMERGENCY OPERATION switch is pressed once or twice or the unit receives any signal from the remote controller. In the latter case, normal operation will start.

NOTE: Do not press EMERGENCY OPERATION switch during normal operation.

Operation mode	COOL	HEAT
Set temperature	75°F (24°C)	75°F (24°C)
Fan speed	Med.	Med.
Horizontal vane	Auto	Auto

The operation mode is indicated by the Operation Indicator lamp as follows:

Operation Indicator lamp

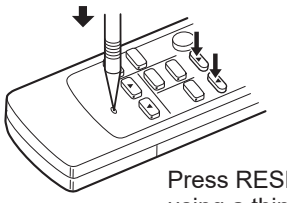


g. 3-MINUTE TIME DELAY OPERATION

When the system turns OFF, compressor will not restart for 3 minutes as 3-minute time delay function operates to protect compressor from overload.

h. Changing temperature indication (°F/°C)

- The preset unit is °F.
- °F → °C: Press RESET button while the TEMPERATURE buttons are pressed.
- °C → °F: Press RESET button while the TEMPERATURE buttons are pressed.

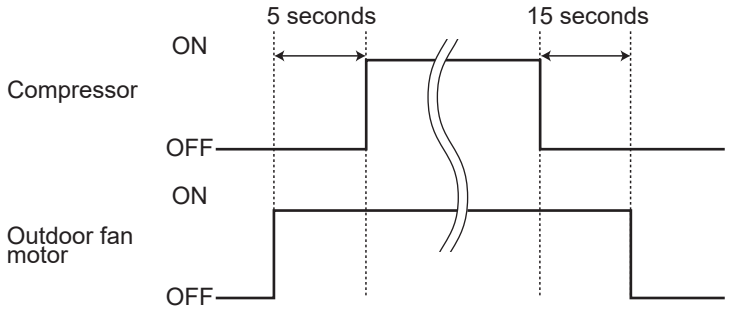


Press RESET button gently using a thin instrument.

i.ACTUATOR CONTROL

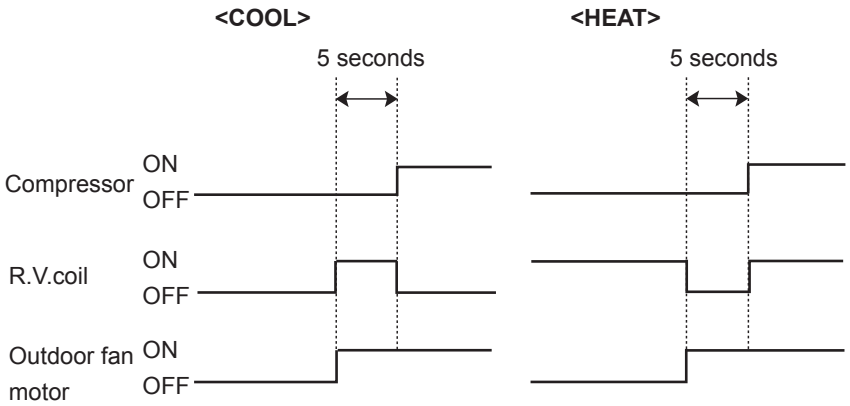
i-1. OUTDOOR FAN MOTOR CONTROL

The fan motor turns ON/OFF, interlocking with the compressor.
[ON] The fan motor turns ON 5 seconds before the compressor starts up.
[OFF] The fan motor turns OFF 15 seconds after the compressor has stopped running.



i-2. R.V. COIL CONTROL

Heating · · · · · · · · · · · · · · · · · · ON
Cooling · · · · · · · · · · · · · · · · · · OFF
Dry · OFF
NOTE: The 4-way valve reverses for 5 seconds right before start-up of the compressor.



i-3. RELATION BETWEEN MAIN SENSOR AND ACTUATOR

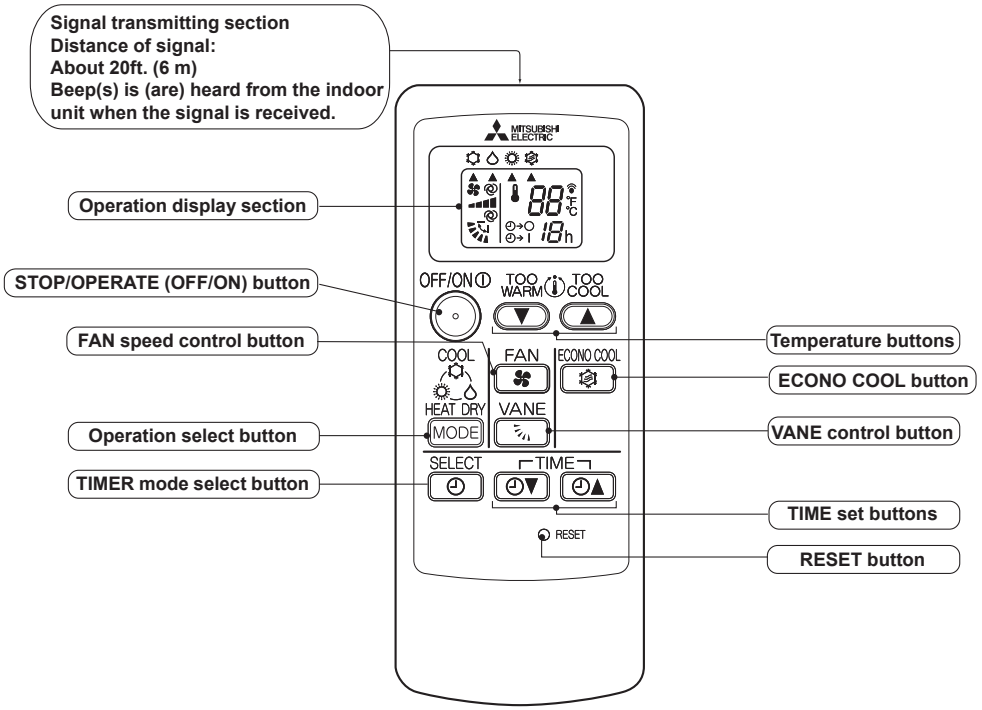
Sensor	Purpose	Actuator					
		Compressor	LEV	Outdoor fan motor	R.V. coil	Indoor fan motor	Defrost heater *
Discharge temperature thermistor	Protection	○	○				
Indoor coil temperature thermistor	Cooling: Coil frost prevention	○					
	Heating: High pressure protection	○	○				
Defrost thermistor	Heating: Defrosting	○	○	○	○	○	
Fin temperature thermistor	Protection	○		○			
Ambient temperature thermistor	Cooling: Low ambient temperature operation	○	○	○			
	Heating: Defrosting (Heater)						○
Outdoor heat exchanger temperature thermistor	Cooling: Low ambient temperature operation	○	○	○			
	Cooling: High pressure protection	○	○	○			

* Optional parts

A.1.9.5 MSZ-WR•NA Series

MSZ-WR09NA MSZ-WR12NA MSZ-WR18NA MSZ-WR24NA
MUZ-WR09NA MUZ-WR12NA MUZ-WR18NA MUZ-WR24NA

WIRELESS REMOTE CONTROLLER



NOTE: Last setting will be stored after the unit is turned OFF with the remote controller. Indoor unit receives the signal of the remote controller with beeps.

INDOOR UNIT DISPLAY SECTION

Operation Indicator lamp

The operation indicator at the right side of the indoor unit indicates the operation state.

•The following indication applies regardless of shape of the indication.

Indication	Operation state	Room temperature
☀ ☀	The unit is operating to reach the set temperature	About 4°F (2°C) or more away from set temperature
☀ ○	The room temperature is approaching the set temperature	About 2 to 4 °F (1° to 2°C) from set temperature

☀ Lit
☼ Blinking
○ Not lit

a. COOL (☼) OPERATION

(1) Press STOP/OPERATE (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select COOL mode with OPERATION SELECT button.
(3) Press TEMPERATURE buttons (TOO WARM or TOO COOL button) to select the desired temperature.
The setting range is 61 - 88°F (16 - 31°C).

1. Coil frost prevention

The compressor operational frequency is controlled by the temperature of the indoor heat exchanger to prevent the coil from frosting.
When the temperature of indoor heat exchanger becomes too low, the coil frost prevention mode works. The indoor fan operates at the set speed and the compressor stops. This mode continues until the temperature of indoor heat exchanger rises.

b. DRY (△) OPERATION

(1) Press STOP/OPERATE (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select DRY mode with OPERATION SELECT button.
(3) The set temperature is determined from the initial room temperature.

1. Coil frost prevention
Coil frost prevention works the same way as that in COOL mode. (a.1.)

c. HEAT (☼) OPERATION

(1) Press STOP/OPERATE (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select HEAT mode with OPERATION SELECT button.
(3) Press TEMPERATURE buttons (TOO WARM or TOO COOL button) to select the desired temperature.
The setting range is 61 - 88°F (16 - 31°C).

1. Cold air prevention control
When the compressor is not operating or is starting, and the temperature of indoor heat exchanger and/or the room temperature is low or when defrosting is being done, the indoor fan will stop or rotate in Very Low speed.

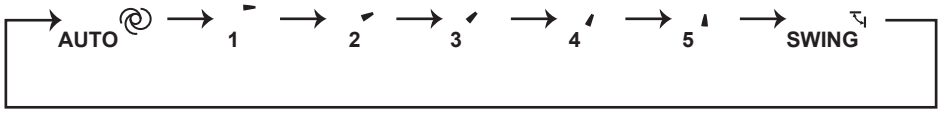
2. High pressure protection
The compressor operational frequency is controlled by the temperature of the indoor heat exchanger to prevent the condensing pressure from increasing excessively.
When the temperature of indoor heat exchanger becomes too high, the high pressure protection works.
The indoor fan operates following the cold air prevention control. This mode continues until the temperature of indoor heat exchanger falls.

3. Defrosting
Defrosting starts when the temperature of outdoor heat exchanger becomes too low.
The compressor stops once, the indoor/outdoor fans stop, the 4-way valve reverses, and the compressor re-starts.
This mode continues until the temperature of outdoor heat exchanger rises or the fixed time passes.

d. AUTO VANE OPERATION

1. Horizontal vane

(1) Vane motor drive
These models are equipped with a stepping motor for the horizontal vane. The rotating direction, speed, and angle of the motor are controlled by pulse signals (approximately 12 V) transmitted from indoor microprocessor.
(2) The horizontal vane angle and mode change as follows by pressing VANE CONTROL button.



(3) Positioning
To confirm the standard position, the vane moves until it touches the vane stopper. Then the vane is set to the selected angle.
Confirmation of standard position is performed in the following cases:
(a) When the operation starts or finishes (including timer operation).
(b) When the test run starts.
(c) When standby mode (only during multi system operation) starts or finishes.

(4) VANE AUTO (@) mode
In VANE AUTO mode, the microprocessor automatically determines the vane angle to make the optimum room temperature distribution.

MSZ-WR09/12NA

In COOL and DRY operation
Vane angle is fixed to Horizontal position.

In HEAT operation
Vane angle is fixed to Angle 5.

MSZ-WR18/24NA

In COOL and DRY operation
Vane angle is fixed to Horizontal position.

In HEAT operation
Vane angle is fixed to Angle 4.

(5) STOP (operation OFF) and ON TIMER standby
In the following cases, the horizontal vane returns to the closed position.
(a) When STOP/OPERATE (OFF/ON) button is pressed (POWER OFF).
(b) When the operation is stopped by the emergency operation
(c) When ON TIMER is ON standby.

(6) Dew prevention
During COOL or DRY operation with the vane angle at Angle 4 or 5 when the compressor cumulative operation time exceeds 0.5 - 1 hour, the vane angle automatically changes to Angle 2 for dew prevention.

(7) SWING (↖↘) mode
By selecting SWING mode with VANE CONTROL button, the horizontal vane swings vertically.

(8) Cold air prevention in HEAT operation
The horizontal vane position is set to Upward.
NOTE: When 2 or more indoor units are operated with multi outdoor unit, even if any indoor unit turns thermostat off, this control does not work in the indoor unit.

(9) ECONO COOL (🍃) operation (ECONOmical operation)
When ECONO COOL button is pressed in COOL mode, set temperature is automatically set 4°F (2°C) higher.
Also the horizontal vane swings in various cycle.
SWING operation makes you feel cooler than set temperature. So, even though the set temperature is higher, the air conditioner can keep comfort. As a result, energy can be saved.
ECONO COOL operation is cancelled when ECONO COOL button is pressed once again or VANE CONTROL button is pressed or change to other operation mode.

e. TIMER OPERATION (ON/OFF TIMER)

1. How to set the timer

(1) Press STOP/OPERATE (OFF/ON) button to start the air conditioner.
(2) Select the timer mode by pressing the SELECT button during operation.
Each time this button is pressed, the timer mode is changed in sequence:
◴→○ (OFF TIMER) → ◴→ | (ON TIMER) → TIMER RELEASE
(3) Set the time of the timer using the TIME ◴▼ ◴▲ button.
Each time this button is pressed, the set time increase or decrease by 1 hour to 12 hours.

2. To release the timer

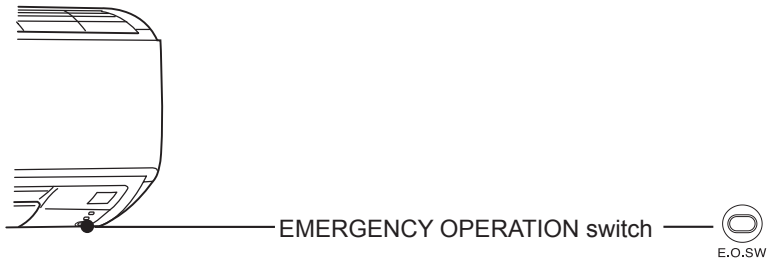
Press the SELECT button until ◴→○ (OFF TIMER) and ◴→ | (ON TIMER) are not displayed.

NOTE :
• The OFF TIMER and the ON TIMER cannot be set at the same time.
• The displayed time is the time remaining and will decrease in 1-hour increments as time passes.

f. EMERGENCY/TEST OPERATION

In the case of test run operation or emergency operation, use EMERGENCY OPERATION switch on the right side of the indoor unit. Emergency operation is available when the remote controller is missing or has failed, or when the batteries in the remote controller are running down. The unit will start and OPERATION INDICATOR lamp will light up.
The first 30 minutes of operation is the test run operation. This operation is for servicing. The indoor fan runs at High speed and the temperature control does not work.
After 30 minutes of test run operation, the system shifts to EMERGENCY COOL/HEAT MODE with a set temperature of 75°F (24°C). The fan speed shifts to Med.
The coil frost prevention works even in the test run or the emergency operation.
In the test run or emergency operation, the horizontal vane operates in VANE AUTO (@) mode.
Emergency operation continues until EMERGENCY OPERATION switch is pressed once or twice or the unit receives any signal from the remote controller. In the latter case, normal operation will start.

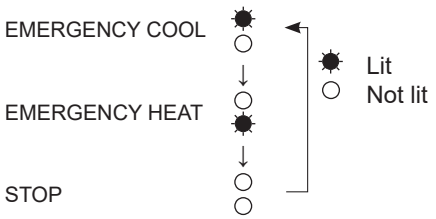
NOTE: Do not press EMERGENCY OPERATION switch during normal operation.



Operation mode	COOL	HEAT
Set temperature	75°F (24°C)	75°F (24°C)
Fan speed	Med.	Med.
Horizontal vane	Auto	Auto

The operation mode is indicated by the Operation Indicator lamp as follows:

Operation Indicator lamp

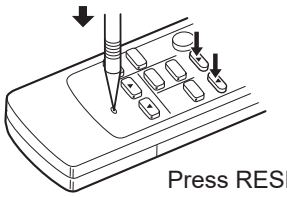


g. 3-MINUTE TIME DELAY OPERATION

When the system turns OFF, compressor will not restart for 3 minutes as 3-minute time delay function operates to protect compressor from overload.

h. Changing temperature indication (°F/°C)

- The preset unit is °F.
- °F → °C: Press RESET button while the TEMPERATURE buttons are pressed.
- °C → °F: Press RESET button while the TEMPERATURE buttons are pressed.

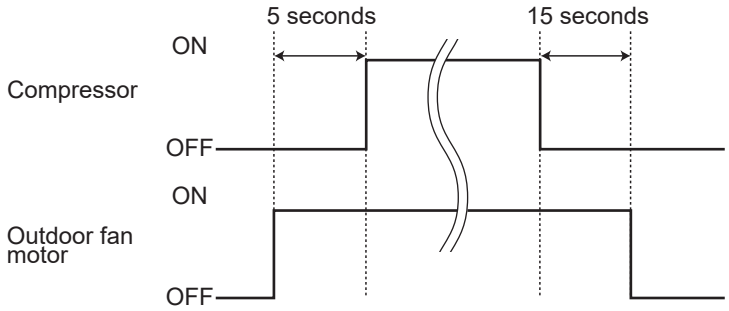


Press RESET button gently using a thin instrument.

i.ACTUATOR CONTROL

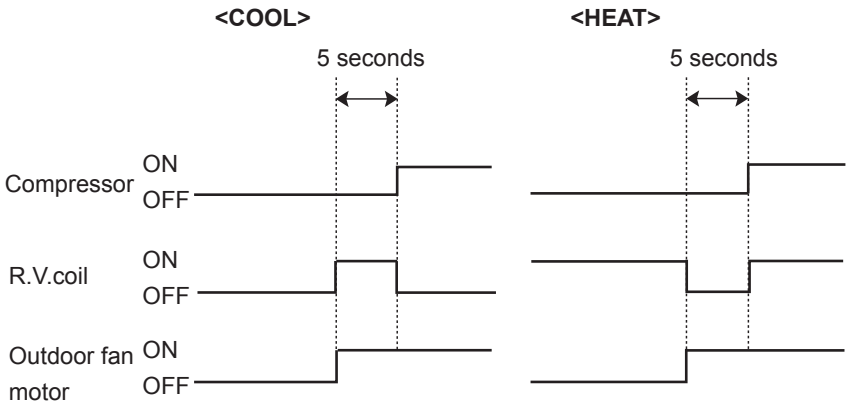
i-1. OUTDOOR FAN MOTOR CONTROL

The fan motor turns ON/OFF, interlocking with the compressor.
[ON] The fan motor turns ON 5 seconds before the compressor starts up.
[OFF] The fan motor turns OFF 15 seconds after the compressor has stopped running.



i-2. R.V. COIL CONTROL

Heating · · · · · · · · · · · · · · · · · · ON
Cooling · · · · · · · · · · · · · · · · · · OFF
Dry · OFF
NOTE: The 4-way valve reverses for 5 seconds right before start-up of the compressor.



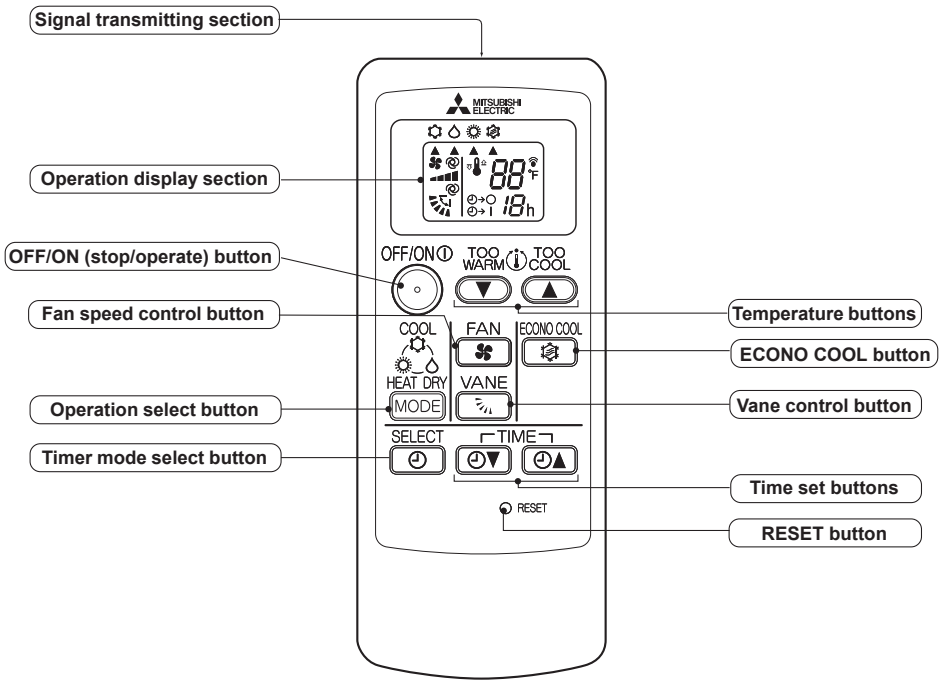
i-3. RELATION BETWEEN MAIN SENSOR AND ACTUATOR

Sensor	Purpose	Actuator					
		Compressor	LEV	Outdoor fan motor	R.V. coil	Indoor fan motor	Defrost heater *
Discharge temperature thermistor	Protection	○	○				
Indoor coil temperature thermistor	Cooling: Coil frost prevention	○					
	Heating: High pressure protection	○	○				
Defrost thermistor	Heating: Defrosting	○	○	○	○	○	
Fin temperature thermistor	Protection	○		○			
Ambient temperature thermistor	Cooling: Low ambient temperature operation	○	○	○			
	Heating: Defrosting (Heater)						○
Outdoor heat exchanger temperature thermistor	Cooling: Low ambient temperature operation	○	○	○			
	Cooling: High pressure protection	○	○	○			

* Optional parts

A.1.9.6 MSZ-JP•WA Series
MSZ-JP09WA MSZ-JP12WA
MUZ-JP09WA MUZ-JP12WA

WIRELESS REMOTE CONTROLLER



NOTE: Last setting will be stored after the unit is turned OFF with the remote controller. Indoor unit receives the signal of the remote controller with beeps.

INDOOR UNIT DISPLAY SECTION

Operation Indicator lamp

The operation indicator at the right side of the indoor unit indicates the operation state.

•The following indication applies regardless of shape of the indication.

Indication	Operation state	Room temperature
☀ ☀	The unit is operating to reach the set temperature	About 4°F (2°C) or more away from set temperature
☀ ○	The room temperature is approaching the set temperature	About 2 to 4 °F (1° to 2°C) from set temperature

☀ Lit
☀ Blinking
○ Not lit

a. COOL (☼) OPERATION

(1) Press STOP/OPERATE (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select COOL mode with OPERATION SELECT button.
(3) Press TEMPERATURE buttons (TOO WARM or TOO COOL button) to select the desired temperature.
The setting range is 61 - 88°F (16 - 31°C).

1. Coil frost prevention

The compressor operational frequency is controlled by the temperature of the indoor heat exchanger to prevent the coil from frosting.

When the temperature of indoor heat exchanger becomes too low, the coil frost prevention mode works. The indoor fan operates at the set speed and the compressor stops. This mode continues until the temperature of indoor heat exchanger rises.

b. DRY (△) OPERATION

(1) Press STOP/OPERATE (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select DRY mode with OPERATION SELECT button.
(3) The set temperature is determined from the initial room temperature.

1. Coil frost prevention
Coil frost prevention works the same way as that in COOL mode. (a.1.)

c. HEAT (☼) OPERATION

(1) Press STOP/OPERATE (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select HEAT mode with OPERATION SELECT button.
(3) Press TEMPERATURE buttons (TOO WARM or TOO COOL button) to select the desired temperature.
The setting range is 61 - 88°F (16 - 31°C).

1. Cold air prevention control
When the compressor is not operating or is starting, and the temperature of indoor heat exchanger and/or the room temperature is low or when defrosting is being done, the indoor fan will stop or rotate in Very Low speed.

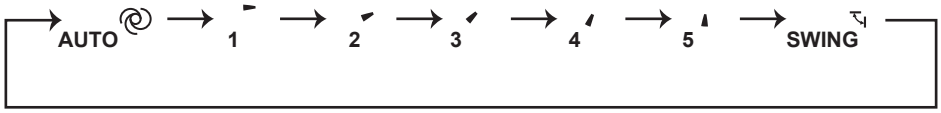
2. High pressure protection
The compressor operational frequency is controlled by the temperature of the indoor heat exchanger to prevent the condensing pressure from increasing excessively.
When the temperature of indoor heat exchanger becomes too high, the high pressure protection works.
The indoor fan operates following the cold air prevention control. This mode continues until the temperature of indoor heat exchanger falls.

3. Defrosting
Defrosting starts when the temperature of outdoor heat exchanger becomes too low.
The compressor stops once, the indoor/outdoor fans stop, the 4-way valve reverses, and the compressor re-starts.
This mode continues until the temperature of outdoor heat exchanger rises or the fixed time passes.

d. AUTO VANE OPERATION

1. Horizontal vane

(1) Vane motor drive
These models are equipped with a stepping motor for the horizontal vane. The rotating direction, speed, and angle of the motor are controlled by pulse signals (approximately 12 V) transmitted from indoor microprocessor.
(2) The horizontal vane angle and mode change as follows by pressing VANE CONTROL button.



(3) Positioning
To confirm the standard position, the vane moves until it touches the vane stopper. Then the vane is set to the selected angle.
Confirmation of standard position is performed in the following cases:
(a) When the operation starts or finishes (including timer operation).
(b) When the test run starts.
(c) When standby mode (only during multi system operation) starts or finishes.

(4) VANE AUTO (@) mode
In VANE AUTO mode, the microprocessor automatically determines the vane angle to make the optimum room temperature distribution.

In COOL and DRY operation
Vane angle is fixed to Horizontal position.

In HEAT operation
Vane angle is fixed to Angle 5.

In HEAT operation
Vane angle is fixed to Angle 4.

(5) STOP (operation OFF) and ON TIMER standby
In the following cases, the horizontal vane returns to the closed position.
(a) When STOP/OPERATE (OFF/ON) button is pressed (POWER OFF).
(b) When the operation is stopped by the emergency operation.
(c) When ON TIMER is ON standby.

(6) Dew prevention
During COOL or DRY operation with the vane angle at Angle 4 or 5 when the compressor cumulative operation time exceeds 0.5 - 1 hour, the vane angle automatically changes to Angle 2 for dew prevention.

(7) SWING (↖↘) mode
By selecting SWING mode with VANE CONTROL button, the horizontal vane swings vertically.

(8) Cold air prevention in HEAT operation.
The horizontal vane position is set to Upward.

(9) ECONO COOL (🍃) operation (ECONOmical operation)
When ECONO COOL button is pressed in COOL mode, set temperature is automatically set 4°F (2°C) higher.
Also the horizontal vane swings in various cycle.
SWING operation makes you feel cooler than set temperature. So, even though the set temperature is higher, the air conditioner can keep comfort. As a result, energy can be saved.
ECONO COOL operation is cancelled when ECONO COOL button is pressed once again or VANE CONTROL button is pressed or change to other operation mode.

e. TIMER OPERATION (ON/OFF TIMER)

1. How to set the timer

(1) Press STOP/OPERATE (OFF/ON) button to start the air conditioner.

(2) Select the timer mode by pressing the SELECT button during operation.
Each time this button is pressed, the timer mode is changed in sequence:
◴→○ (OFF TIMER) → ◴→ | (ON TIMER) → TIMER RELEASE

(3) Set the time of the timer using the TIME ▼ ▲ button.
Each time this button is pressed, the set time increase or decrease by 1 hour to 12 hours.

2. To release the timer

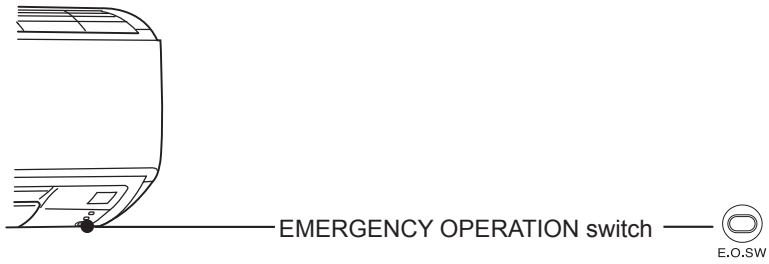
Press the SELECT button until ◴→○ (OFF TIMER) and ◴→ | (ON TIMER) are not displayed.

NOTE:
- The OFF TIMER and the ON TIMER cannot be set at the same time.
- The displayed time is the time remaining and will decrease in 1-hour increments as time passes.

f. EMERGENCY/TEST OPERATION

In the case of test run operation or emergency operation, use EMERGENCY OPERATION switch on the right side of the indoor unit. Emergency operation is available when the remote controller is missing or has failed, or when the batteries in the remote controller are running down. The unit will start and OPERATION INDICATOR lamp will light up.
The first 30 minutes of operation is the test run operation. This operation is for servicing. The indoor fan runs at High speed and the temperature control does not work.
After 30 minutes of test run operation, the system shifts to EMERGENCY COOL/HEAT MODE with a set temperature of 75°F (24°C). The fan speed shifts to Med.
The coil frost prevention works even in the test run or the emergency operation.
In the test run or emergency operation, the horizontal vane operates in VANE AUTO (@) mode.
Emergency operation continues until EMERGENCY OPERATION switch is pressed once or twice or the unit receives any signal from the remote controller. In the latter case, normal operation will start.

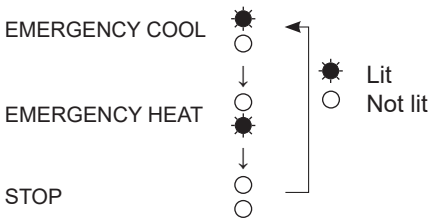
NOTE: Do not press EMERGENCY OPERATION switch during normal operation.



Operation mode	COOL	HEAT
Set temperature	75°F (24°C)	75°F (24°C)
Fan speed	Med.	Med.
Horizontal vane	Auto	Auto

The operation mode is indicated by the Operation Indicator lamp as follows:

Operation Indicator lamp

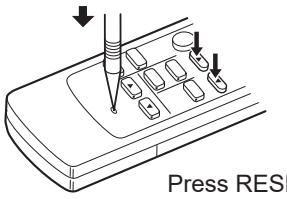


g. 3-MINUTE TIME DELAY OPERATION

When the system turns OFF, compressor will not restart for 3 minutes as 3-minute time delay function operates to protect compressor from overload.

h. Changing temperature indication (°F/°C)

- The preset unit is °F.
- °F → °C: Press RESET button while the TEMPERATURE buttons are pressed.
- °C → °F: Press RESET button while the TEMPERATURE buttons are pressed.

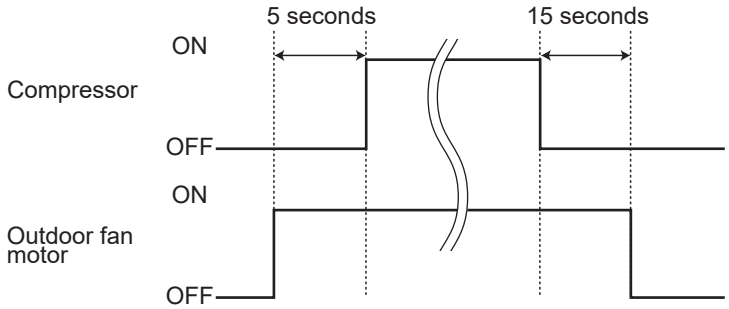


Press RESET button gently using a thin instrument.

i.ACTUATOR CONTROL

i-1. OUTDOOR FAN MOTOR CONTROL

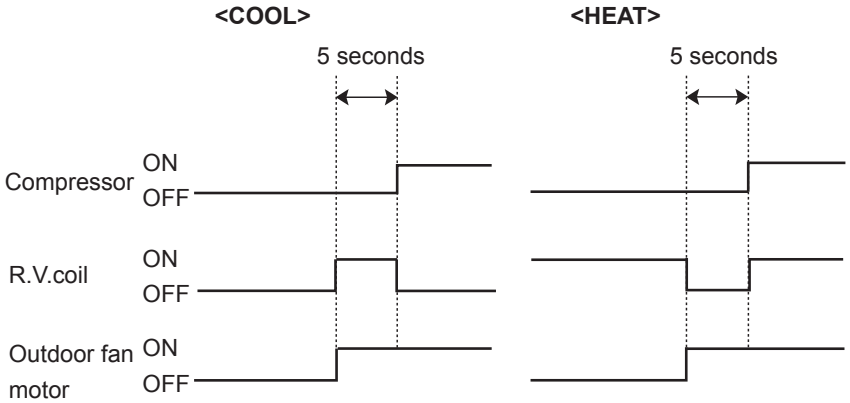
The fan motor turns ON/OFF, interlocking with the compressor.
[ON] The fan motor turns ON 5 seconds before the compressor starts up.
[OFF] The fan motor turns OFF 15 seconds after the compressor has stopped running.



i-2. R.V. COIL CONTROL

Heating · · · · · · · · · · · · · · · · · · ON
Cooling · · · · · · · · · · · · · · · · · · OFF
Dry · OFF

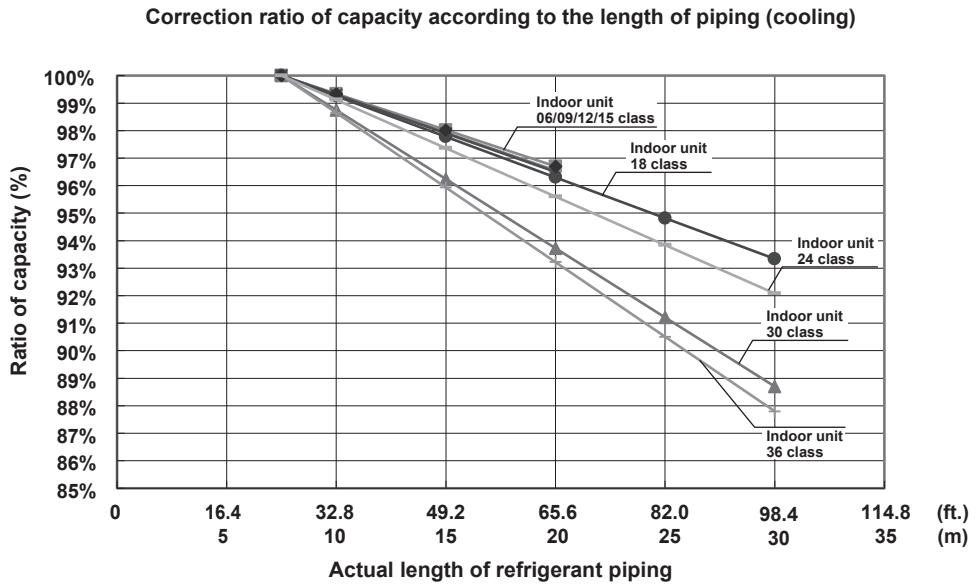
NOTE: The 4-way valve reverses for 5 seconds right before start-up of the compressor.

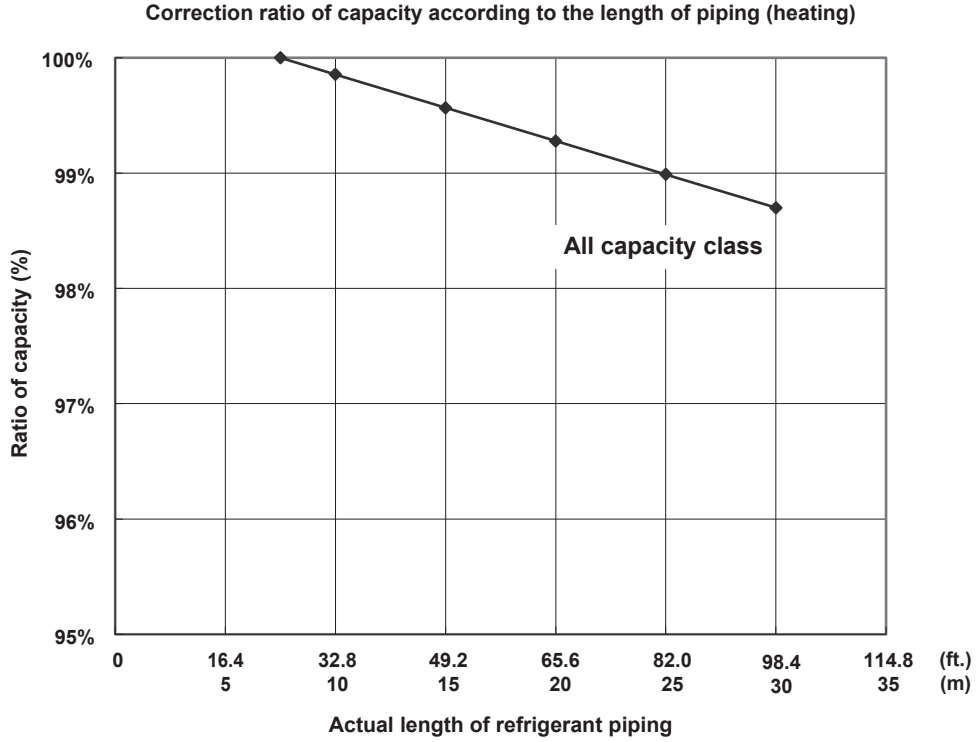


i-3. RELATION BETWEEN MAIN SENSOR AND ACTUATOR

Sensor	Purpose	Actuator				
		Compressor	LEV	Outdoor fan motor	R.V. coil	Indoor fan motor
Discharge temperature thermistor	Protection	○	○			
Indoor coil temperature thermistor	Cooling: Coil frost prevention	○				
	Heating: High pressure protection	○	○			
Defrost thermistor	Heating: Defrosting	○	○	○	○	○
Fin temperature thermistor	Protection	○		○		
Ambient temperature thermistor	Cooling: Low ambient temperature operation	○	○	○		
	Heating: Defrosting (Heater)					
Outdoor heat exchanger temperature thermistor	Cooling: Low ambient temperature operation	○	○	○		
	Cooling: High pressure protection	○	○	○		

A.1.10 CAPACITY CORRECTION RATIO CURVE FOR PIPING LENGTH





The length intended for the capacity calculation, which counts the length of refrigerant piping and the number of bends, is called actual length.

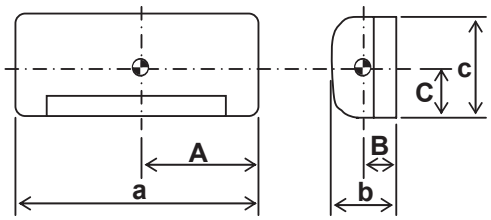
Length of refrigerant piping (ft.) + (Number of bends × 0.984 ft.) = Actual length of refrigerant piping (ft.)
[Length of refrigerant piping (m) + (Number of bends × 0.3 m) = Actual length of refrigerant piping (m)]

A.1.11 POSITION OF THE CENTER OF GRAVITY

A.1.11.1 Indoor Unit

Wall-mounted type

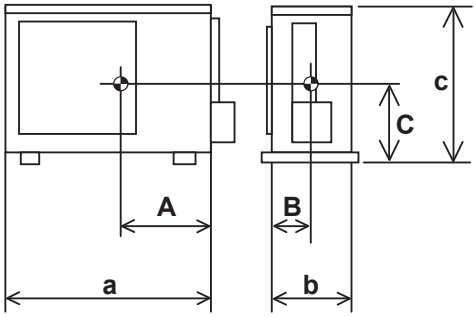
Unit: inch(mm)



Model name	A	B	C	a	b	c
MSZ-FS06NA **MSZ-FS09NA** **MSZ-FS12NA** **MSZ-FS15NA** **MSZ-FS18NA**	15-1/4 (387)	4-1/4 (108)	6-1/8 (155)	36-7/16 (925)	9-3/16 (234)	12 (305)
MSZ-GL06NA **MSZ-GL09NA** **MSZ-GL12NA** **MSZ-GL15NA** **MSY-GL09NA** **MSY-GL12NA** **MSY-GL15NA**	13-3/8 (340)	3-3/4 (95)	7-1/2 (190)	31-3/8 (798)	9-1/8 (232)	11-5/8 (295)
MSZ-GL18NA **MSY-GL18NA**	15-1/4 (387)	4-7/16 (113)	6-1/4 (159)	36-5/16 (923)	9-13/16 (250)	12 (305)
MSZ-GL24NA **MSY-GL24NA**	17-7/16 (443)	3-7/8 (98)	5-9/16 (141)	43-5/16 (1100)	9-3/8 (238)	12-13/16 (325)
MSZ-EF09NAW **MSZ-EF12NAW** **MSZ-EF15NAW** **MSZ-EF18NAW** **MSZ-EF09NAB** **MSZ-EF12NAB** **MSZ-EF15NAB** **MSZ-EF18NAB** **MSZ-EF09NAS** **MSZ-EF12NAS** **MSZ-EF15NAS** **MSZ-EF18NAS**	14-1/2 (369)	3-15/16 (100)	5-5/8 (143)	34-13/16 (885)	7-11/16 (195)	11-3/4 (299)
MSZ-HM09NA **MSZ-HM12NA** **MSZ-HM15NA**	13-3/8 (340)	3-3/4 (95)	7-1/2 (190)	31-3/8 (798)	9-1/8 (232)	11-5/8 (295)
MSZ-HM18NA **MSZ-HM24NA**	15-1/4 (387)	4-7/16 (113)	6-1/4 (159)	36-5/16 (923)	9-13/16 (250)	12 (305)
MSZ-WR09NA **MSZ-WR12NA**	13-3/8 (340)	3-3/4 (95)	7-1/2 (190)	31-3/8 (798)	9-1/8 (232)	11-5/8 (295)
MSZ-WR18NA **MSZ-WR24NA**	15-1/4 (387)	4-7/16 (113)	6-1/4 (159)	36-5/16 (923)	9-13/16 (250)	12 (305)
MSZ-JP09WA **MSZ-JP12WA**	13-3/8 (340)	3-3/4 (95)	7-1/2 (190)	31-3/8 (798)	9-1/8 (232)	11-5/8 (295)

A.1.11.2 Outdoor Unit

Unit: inch(mm)



Model name	A	B	C	a	b	c
MUZ-FS06NA **MUZ-FS06NAH** **MUZ-FS09NA** **MUZ-FS09NAH** **MUZ-FS12NA** **MUZ-FS12NAH**	11-1/16 (280)	5-9/16 (140)	9-1/2 (240)	31-1/2 (800)	11-1/4 (285)	21-5/8 (550)
MUZ-FS15NA **MUZ-FS15NAH** **MUZ-FS18NA** **MUZ-FS18NAH**	13 (330)	5-29/32 (150)	15-11/32 (390)	33-1/16 (840)	13 (330)	34-5/8 (880)
MUZ-GL09NA **MUZ-GL09NAH** **MUZ-GL12NA** **MUZ-GL12NAH** **MUZ-GL15NA** **MUZ-GL15NAH** **MUY-GL09NA** **MUY-GL12NA** **MUY-GL15NA**	11-1/16 (280)	5-9/16 (140)	9-1/2 (240)	31-1/2 (800)	11-1/4 (285)	21-5/8 (550)
MUZ-GL18NA **MUZ-GL18NAH** **MUZ-GL24NA** **MUZ-GL24NAH** **MUY-GL18NA** **MUY-GL24NA**	12-5/8 (320)	6-7/16 (163)	15-3/4 (400)	33-2/16 (840)	13 (330)	34-11/16 (880)
MUZ-HM09NA **MUZ-HM09NAH** **MUZ-HM12NA** **MUZ-HM12NAH** **MUZ-HM15NA** **MUZ-HM15NAH** **MUZ-HM18NA** **MUZ-HM18NAH**	11-1/16 (280)	5-9/16 (140)	9-1/2 (240)	31-1/2 (800)	11-1/4 (285)	21-5/8 (550)
MUZ-HM24NA **MUZ-HM24NAH**	12-5/8 (320)	6-7/16 (163)	15-3/4 (400)	33-2/16 (840)	13 (330)	34-11/16 (880)
MUZ-WR09NA **MUZ-WR12NA** **MUZ-WR18NA**	11-1/16 (280)	5-9/16 (140)	9-1/2 (240)	31-1/2 (800)	11-1/4 (285)	21-5/8 (550)
MUZ-WR24NA	12-5/8 (320)	6-7/16 (163)	15-3/4 (400)	33-2/16 (840)	13 (330)	34-11/16 (880)
MUZ-JP09WA **MUZ-JP12WA**	11-1/16 (280)	5-9/16 (140)	9-1/2 (240)	31-1/2 (800)	11-1/4 (285)	21-5/8 (550)

A.1.12 PART LOAD CAPACITY CHART

MSZ-FS06NA
MUZ-FS06NA
1) COOLING

Rated
Q(Btu/h): 6000
W: 315

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
115	46.1	Q(Btu/h)	8140	5520	6050	4140	2060	1530	7700	5130	5730	3930	1960	1450	7240	4680	5380	3690	1840	1360
		W	660	360	490	320	150	120	620	350	460	310	150	110	590	330	450	280	140	110
110	43.3	Q(Btu/h)	8490	5760	6310	4330	2160	1600	8040	5360	5980	4110	2050	1520	7550	4910	5610	3860	1920	1430
		W	650	360	490	320	150	120	610	340	460	310	150	110	580	330	450	280	140	110
105	40.6	Q(Btu/h)	8840	6000	6570	4510	2250	1670	8370	5580	6230	4280	2140	1580	7860	5130	5850	4020	2000	1480
		W	630	350	470	320	150	120	590	330	440	310	150	110	560	320	430	280	140	110
100	37.8	Q(Btu/h)	9180	6230	6840	4680	2340	1730	8690	5790	6480	4440	2220	1640	8170	5390	6080	4170	2080	1540
		W	620	340	450	310	150	120	580	320	430	300	150	110	560	310	420	280	140	110
95	35.0	Q(Btu/h)	9510	6450	7070	4840	2410	1790	9000	6000	6700	4590	2290	1700	8460	5640	6290	4310	2140	1600
		W	600	330	440	290	140	110	560	315	420	280	140	100	540	300	410	260	130	100
90	32.2	Q(Btu/h)	9890	6660	7360	5030	2520	1870	9360	6240	6970	4770	2390	1770	8800	5850	6540	4470	2240	1660
		W	570	320	420	280	130	110	540	300	400	270	130	100	520	290	390	250	120	100
85	29.4	Q(Btu/h)	10270	6870	7640	5240	2620	1940	9720	6480	7240	4970	2490	1840	9130	6060	6790	4660	2330	1730
		W	550	310	400	280	130	100	520	290	380	270	130	90	500	280	370	250	120	90
80	26.7	Q(Btu/h)	10650	7110	7930	5430	2720	2020	10080	6720	7510	5150	2580	1910	9470	6300	7050	4830	2420	1790
		W	530	300	400	280	130	100	500	280	380	270	130	90	480	270	370	250	120	90
75	23.9	Q(Btu/h)	11030	7350	8210	5620	2810	2080	10440	6960	7780	5330	2670	1970	9810	6540	7300	5000	2500	1850
		W	500	280	370	250	120	90	470	260	350	240	120	80	450	250	340	220	110	80
70	21.1	Q(Btu/h)	11410	7600	8480	5810	2890	2150	10800	7200	8040	5510	2750	2040	10150	6770	7540	5170	2570	1920
		W	480	270	350	230	110	90	450	250	330	220	110	80	430	240	320	200	100	80
65	18.3	Q(Btu/h)	9750	6490	7260	4970	2480	2070	9230	6150	6880	4710	2360	1960	8670	5780	6450	4420	2210	1840
		W	540	310	400	280	130	120	510	290	380	270	130	110	490	280	370	250	120	110
60	15.6	Q(Btu/h)	9750	6490	7260	4970	2480	2070	9230	6150	6880	4710	2360	1960	8670	5780	6450	4420	2210	1840
		W	540	310	400	280	130	120	510	290	380	270	130	110	490	280	370	250	120	110
55	12.8	Q(Btu/h)	9750	6490	7260	4970	2480	2070	9230	6150	6880	4710	2360	1960	8670	5780	6450	4420	2210	1840
		W	540	310	400	280	130	120	510	290	380	270	130	110	490	280	370	250	120	110
50	10.0	Q(Btu/h)	9750	6490	7260	4970	2480	2070	9230	6150	6880	4710	2360	1960	8670	5780	6450	4420	2210	1840
		W	540	310	400	280	130	120	510	290	380	270	130	110	490	280	370	250	120	110
45	7.2	Q(Btu/h)	9750	6490	7260	4970	2480	2070	9230	6150	6880	4710	2360	1960	8670	5780	6450	4420	2210	1840
		W	540	310	400	280	130	120	510	290	380	270	130	110	490	280	370	250	120	110
40	4.4	Q(Btu/h)	9750	6490	7260	4970	2480	2070	9230	6150	6880	4710	2360	1960	8670	5780	6450	4420	2210	1840
		W	540	310	400	280	130	120	510	290	380	270	130	110	490	280	370	250	120	110
35	1.7	Q(Btu/h)	9750	6490	7260	4970	2480	2070	9230	6150	6880	4710	2360	1960	8670	5780	6450	4420	2210	1840
		W	540	310	400	280	130	120	510	290	380	270	130	110	490	280	370	250	120	110
30	-1.1	Q(Btu/h)	9750	6490	7260	4970	2480	2070	9230	6150	6880	4710	2360	1960	8670	5780	6450	4420	2210	1840
		W	540	310	400	280	130	120	510	290	380	270	130	110	490	280	370	250	120	110
25	-3.9	Q(Btu/h)	9750	6490	7260	4970	2480	2070	9230	6150	6880	4710	2360	1960	8670	5780	6450	4420	2210	1840
		W	540	310	400	280	130	120	510	290	380	270	130	110	490	280	370	250	120	110
20	-6.7	Q(Btu/h)	9750	6490	7260	4970	2480	2070	9230	6150	6880	4710	2360	1960	8670	5780	6450	4420	2210	1840
		W	540	310	400	280	130	120	510	290	380	270	130	110	490	280	370	250	120	110
15	-9.4	Q(Btu/h)	9750	6490	7260	4970	2480	2070	9230	6150	6880	4710	2360	1960	8670	5780	6450	4420	2210	1840
		W	540	310	400	280	130	120	510	290	380	270	130	110	490	280	370	250	120	110

* It may not reach the above capacities in low ambient temperatures.

MSZ-FS06NA
MUZ-FS06NA
2) HEATING

Rated
Q(Btu/h): 8700
W: 545

Indoor D.B.			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
65	18.3	Q(Btu/h)	21480	10870	16220	10740	5480	2030	22360	11310	16880	11180	5700	2110	23240	11750	17540	11620	5920	2190
		W	1750	620	1320	870	440	170	1660	590	1250	830	420	160	1570	560	1180	790	400	150
60	15.6	Q(Btu/h)	20320	10280	15340	10160	5180	1920	21200	10730	16000	10600	5400	2000	22080	11180	16660	11040	5620	2080
		W	1740	620	1310	860	440	170	1650	590	1240	820	420	160	1560	560	1170	780	400	150
55	12.8	Q(Btu/h)	19140	9690	14440	9570	4870	1810	20040	10140	15120	10020	5100	1890	20940	10590	15800	10470	5330	1970
		W	1720	610	1300	850	430	160	1630	580	1230	810	410	150	1540	550	1160	770	390	140
50	10.0	Q(Btu/h)	17970	9090	13560	8990	4580	1690	18880	9550	14250	9440	4810	1780	19790	10010	14940	9890	5040	1870
		W	1690	600	1260	840	430	160	1600	570	1200	800	410	150	1510	540	1140	760	390	140
45	7.2	Q(Btu/h)	16800	8500	12680	8400	4280	1580	17720	8960	13370	8860	4510	1670	18640	9420	14060	9320	4740	1760
		W	1650	590	1250	830	430	160	1570	560	1190	790	410	150	1490	530	1130	750	390	140
43	6.1	Q(Btu/h)	16290	8240	12300	8140	4150	1530	17200	8700	12990	8600	4380	1620	18110	9160	13680	9060	4610	1710
		W	1620	570	1220	810	410	150	1540	545	1160	770	390	140	1460	520	1100	730	370	130
40	4.4	Q(Btu/h)	15320	7870	11560	7660	3900	1450	16210	8330	12240	8110	4130	1530	17100	8790	12920	8560	4360	1610
		W	1580	570	1190	790	400	150	1500	540	1130	750	380	140	1420	510	1070	710	360	130
35	1.7	Q(Btu/h)	14330	7250	10810	7150	3640	1350	15220	7700	11480	7600	3870	1430	16110	8150	12150	8050	4100	1510
		W	1540	550	1160	770	390	150	1460	520	1100	730	370	140	1380	490	1040	690	350	130
30	-1.1	Q(Btu/h)	13840	6680	10450	6920	3530	1300	14760	7120	11140	7380	3760	1390	15680	7560	11830	7840	3990	1480
		W	1520	530	1140	750	380	140	1440	500	1080	710	360	130	1360	470	1020	670	340	120
25	-3.9	Q(Btu/h)	13340	6090	10080	6680	3410	1260	14300	6530	10800	7160	3650	1350	15260	6970	11520	7640	3890	1440
		W	1500	500	1130	750	380	140	1420	470	1070	710	360	130	1340	440	1010	670	340	120
20	-6.7	Q(Btu/h)	12580	5510	9490	6290	3200	1190	13570	5940	10240	6780	3450	1280	14560	6370	10990	7270	3700	1370
		W	1490	450	1120	740	370	140	1410	430	1060	700	350	130	1330	410	1000	660	330	120
15	-9.4	Q(Btu/h)	11800	4920	8900	5900	3000	1110	12840	5350	9690	6420	3270	1210	13880	5780	10480	6940	3540	1310
		W	1470	410	1110	740	370	140	1400	390	1050	700	350	130	1330	370	990	660	330	120
10	-12.2	Q(Btu/h)	10590	4300	7990	5300	2700	1000	11670	4740	8810	5840	2980	1100	12750	5180	9630	6380	3260	1200
		W	1400	370	1050	700	350	130	1330	350	1000	660	330	120	1260	330	950	620	310	110
5	-15.0	Q(Btu/h)	9350	3680	7050	4680	2380	880	10500	4130	7920	5250	2670	990	11650	4580	8790	5820	2960	1100
		W	1320	330	990	650	340	130	1250	310	940	620	320	120	1180	290	890	590	300	110
0	-17.8	Q(Btu/h)	8330	3610	6280	4160	2120	780	9600	4160	7240	4790	2440	900	10870	4710	8200	5420	2760	1020
		W	1250	450	950	630	330	120	1190	430	900	600	310	110	1130	410	850	570	290	100
-4	-20.0	Q(Btu/h)	7350	3540	5550	3680	1870	690	8700	4190	6570	4360	2220	820	10050	4840	7590	5040	2570	950
		W	1190	570	900	590	290	110	1130	540	850	560	280	100	1070	510	800	530	270	90
-10	-23.3	Q(Btu/h)	6360	3060	4800	3180	1620	600	7980	3840	6020	3990	2030	750	9600	4620	7240	4800	2440	900
		W	1180	570	880	580	290	110	1120	540	840	550	280	100	1060	510	800	520	270	90
-13	-25.0	Q(Btu/h)	5570	2680	4210	2790	1420	530	7250	3490	5480	3630	1850	690	8930	4300	6750	4470	2280	850
		W	1160	560	880	580	290	110	1100	530	840	550	280	100	1040	500	800	520	270	90

* Above data is for heating operation without any frost.

MSZ-FS06NA
MUZ-FS06NAH
1) COOLING

Rated
Q(Btu/h): 6000
W: 315

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
115	46.1	Q(Btu/h)	8140	5520	6050	4140	2060	1530	7700	5130	5730	3930	1960	1450	7240	4680	5380	3690	1840	1360
		W	660	360	490	320	150	120	620	350	460	310	150	110	590	330	450	280	140	110
110	43.3	Q(Btu/h)	8490	5760	6310	4330	2160	1600	8040	5360	5980	4110	2050	1520	7550	4910	5610	3860	1920	1430
		W	650	360	490	320	150	120	610	340	460	310	150	110	580	330	450	280	140	110
105	40.6	Q(Btu/h)	8840	6000	6570	4510	2250	1670	8370	5580	6230	4280	2140	1580	7860	5130	5850	4020	2000	1480
		W	630	350	470	320	150	120	590	330	440	310	150	110	560	320	430	280	140	110
100	37.8	Q(Btu/h)	9180	6230	6840	4680	2340	1730	8690	5790	6480	4440	2220	1640	8170	5390	6080	4170	2080	1540
		W	620	340	450	310	150	120	580	320	430	300	150	110	560	310	420	280	140	110
95	35.0	Q(Btu/h)	9510	6450	7070	4840	2410	1790	9000	6000	6700	4590	2290	1700	8460	5640	6290	4310	2140	1600
		W	600	330	440	290	140	110	560	315	420	280	140	100	540	300	410	260	130	100
90	32.2	Q(Btu/h)	9890	6660	7360	5030	2520	1870	9360	6240	6970	4770	2390	1770	8800	5850	6540	4470	2240	1660
		W	570	320	420	280	130	110	540	300	400	270	130	100	520	290	390	250	120	100
85	29.4	Q(Btu/h)	10270	6870	7640	5240	2620	1940	9720	6480	7240	4970	2490	1840	9130	6060	6790	4660	2330	1730
		W	550	310	400	280	130	100	520	290	380	270	130	90	500	280	370	250	120	90
80	26.7	Q(Btu/h)	10650	7110	7930	5430	2720	2020	10080	6720	7510	5150	2580	1910	9470	6300	7050	4830	2420	1790
		W	530	300	400	280	130	100	500	280	380	270	130	90	480	270	370	250	120	90
75	23.9	Q(Btu/h)	11030	7350	8210	5620	2810	2080	10440	6960	7780	5330	2670	1970	9810	6540	7300	5000	2500	1850
		W	500	280	370	250	120	90	470	260	350	240	120	80	450	250	340	220	110	80
70	21.1	Q(Btu/h)	11410	7600	8480	5810	2890	2150	10800	7200	8040	5510	2750	2040	10150	6770	7540	5170	2570	1920
		W	480	270	350	230	110	90	450	250	330	220	110	80	430	240	320	200	100	80
65	18.3	Q(Btu/h)	9750	6490	7260	4970	2480	2070	9230	6150	6880	4710	2360	1960	8670	5780	6450	4420	2210	1840
		W	540	310	400	280	130	120	510	290	380	270	130	110	490	280	370	250	120	110
60	15.6	Q(Btu/h)	9750	6490	7260	4970	2480	2070	9230	6150	6880	4710	2360	1960	8670	5780	6450	4420	2210	1840
		W	540	310	400	280	130	120	510	290	380	270	130	110	490	280	370	250	120	110
55	12.8	Q(Btu/h)	9750	6490	7260	4970	2480	2070	9230	6150	6880	4710	2360	1960	8670	5780	6450	4420	2210	1840
		W	540	310	400	280	130	120	510	290	380	270	130	110	490	280	370	250	120	110
50	10.0	Q(Btu/h)	9750	6490	7260	4970	2480	2070	9230	6150	6880	4710	2360	1960	8670	5780	6450	4420	2210	1840
		W	540	310	400	280	130	120	510	290	380	270	130	110	490	280	370	250	120	110
45	7.2	Q(Btu/h)	9750	6490	7260	4970	2480	2070	9230	6150	6880	4710	2360	1960	8670	5780	6450	4420	2210	1840
		W	540	310	400	280	130	120	510	290	380	270	130	110	490	280	370	250	120	110
40	4.4	Q(Btu/h)	9750	6490	7260	4970	2480	2070	9230	6150	6880	4710	2360	1960	8670	5780	6450	4420	2210	1840
		W	540	310	400	280	130	120	510	290	380	270	130	110	490	280	370	250	120	110
35	1.7	Q(Btu/h)	9750	6490	7260	4970	2480	2070	9230	6150	6880	4710	2360	1960	8670	5780	6450	4420	2210	1840
		W	540	310	400	280	130	120	510	290	380	270	130	110	490	280	370	250	120	110
30	-1.1	Q(Btu/h)	9750	6490	7260	4970	2480	2070	9230	6150	6880	4710	2360	1960	8670	5780	6450	4420	2210	1840
		W	540	310	400	280	130	120	510	290	380	270	130	110	490	280	370	250	120	110
25	-3.9	Q(Btu/h)	9750	6490	7260	4970	2480	2070	9230	6150	6880	4710	2360	1960	8670	5780	6450	4420	2210	1840
		W	540	310	400	280	130	120	510	290	380	270	130	110	490	280	370	250	120	110
20	-6.7	Q(Btu/h)	9750	6490	7260	4970	2480	2070	9230	6150	6880	4710	2360	1960	8670	5780	6450	4420	2210	1840
		W	540	310	400	280	130	120	510	290	380	270	130	110	490	280	370	250	120	110
15	-9.4	Q(Btu/h)	9750	6490	7260	4970	2480	2070	9230	6150	6880	4710	2360	1960	8670	5780	6450	4420	2210	1840
		W	540	310	400	280	130	120	510	290	380	270	130	110	490	280	370	250	120	110

* It may not reach the above capacities in low ambient temperatures.

MSZ-FS06NA
MUZ-FS06NAH
2) HEATING

Rated
Q(Btu/h): 8700
W: 545

Indoor D.B. / Outdoor W.B. (°F)	(°C)		78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
65	18.3	Q(Btu/h)	21480	10870	16220	10740	5480	2030	22360	11310	16880	11180	5700	2110	23240	11750	17540	11620	5920	2190
		W	1750	620	1320	870	440	170	1660	590	1250	830	420	160	1570	560	1180	790	400	150
60	15.6	Q(Btu/h)	20320	10280	15340	10160	5180	1920	21200	10730	16000	10600	5400	2000	22080	11180	16660	11040	5620	2080
		W	1740	620	1310	860	440	170	1650	590	1240	820	420	160	1560	560	1170	780	400	150
55	12.8	Q(Btu/h)	19140	9690	14440	9570	4870	1810	20040	10140	15120	10020	5100	1890	20940	10590	15800	10470	5330	1970
		W	1720	610	1300	850	430	160	1630	580	1230	810	410	150	1540	550	1160	770	390	140
50	10.0	Q(Btu/h)	17970	9090	13560	8990	4580	1690	18880	9550	14250	9440	4810	1780	19790	10010	14940	9890	5040	1870
		W	1690	600	1260	840	430	160	1600	570	1200	800	410	150	1510	540	1140	760	390	140
45	7.2	Q(Btu/h)	16800	8500	12680	8400	4280	1580	17720	8960	13370	8860	4510	1670	18640	9420	14060	9320	4740	1760
		W	1650	590	1250	830	430	160	1570	560	1190	790	410	150	1490	530	1130	750	390	140
43	6.1	Q(Btu/h)	16290	8240	12300	8140	4150	1530	17200	8700	12990	8600	4380	1620	18110	9160	13680	9060	4610	1710
		W	1620	570	1220	810	410	150	1540	545	1160	770	390	140	1460	520	1100	730	370	130
40	4.4	Q(Btu/h)	15320	7870	11560	7660	3900	1450	16210	8330	12240	8110	4130	1530	17100	8790	12920	8560	4360	1610
		W	1580	570	1190	790	400	150	1500	540	1130	750	380	140	1420	510	1070	710	360	130
35	1.7	Q(Btu/h)	14330	7250	10810	7150	3640	1350	15220	7700	11480	7600	3870	1430	16110	8150	12150	8050	4100	1510
		W	1540	550	1160	770	390	150	1460	520	1100	730	370	140	1380	490	1040	690	350	130
30	-1.1	Q(Btu/h)	13840	6680	10450	6920	3530	1300	14760	7120	11140	7380	3760	1390	15680	7560	11830	7840	3990	1480
		W	1650	660	1270	880	510	270	1570	630	1210	840	490	260	1490	600	1150	800	470	250
25	-3.9	Q(Btu/h)	13340	6090	10080	6680	3410	1260	14300	6530	10800	7160	3650	1350	15260	6970	11520	7640	3890	1440
		W	1630	630	1260	880	510	270	1550	600	1200	840	490	260	1470	570	1140	800	470	250
20	-6.7	Q(Btu/h)	12580	5510	9490	6290	3200	1190	13570	5940	10240	6780	3450	1280	14560	6370	10990	7270	3700	1370
		W	1620	580	1250	870	500	270	1540	560	1190	830	480	260	1460	540	1130	790	460	250
15	-9.4	Q(Btu/h)	11800	4920	8900	5900	3000	1110	12840	5350	9690	6420	3270	1210	13880	5780	10480	6940	3540	1310
		W	1600	540	1240	870	500	270	1530	520	1180	830	480	260	1460	500	1120	790	460	250
10	-12.2	Q(Btu/h)	10590	4300	7990	5300	2700	1000	11670	4740	8810	5840	2980	1100	12750	5180	9630	6380	3260	1200
		W	1530	500	1180	830	480	260	1460	480	1130	790	460	250	1390	460	1080	750	440	240
5	-15.0	Q(Btu/h)	9350	3680	7050	4680	2380	880	10500	4130	7920	5250	2670	990	11650	4580	8790	5820	2960	1100
		W	1450	460	1120	780	470	260	1380	440	1070	750	450	250	1310	420	1020	720	430	240
0	-17.8	Q(Btu/h)	8330	3610	6280	4160	2120	780	9600	4160	7240	4790	2440	900	10870	4710	8200	5420	2760	1020
		W	1380	580	1080	760	460	250	1320	560	1030	730	440	240	1260	540	980	700	420	230
-4	-20.0	Q(Btu/h)	7350	3540	5550	3680	1870	690	8700	4190	6570	4360	2220	820	10050	4840	7590	5040	2570	950
		W	1320	700	1030	720	420	240	1260	670	980	690	410	230	1200	640	930	660	400	220
-10	-23.3	Q(Btu/h)	6360	3060	4800	3180	1620	600	7980	3840	6020	3990	2030	750	9600	4620	7240	4800	2440	900
		W	1310	700	1010	710	420	240	1250	670	970	680	410	230	1190	640	930	650	400	220
-13	-25.0	Q(Btu/h)	5570	2680	4210	2790	1420	530	7250	3490	5480	3630	1850	690	8930	4300	6750	4470	2280	850
		W	1290	690	1010	710	420	240	1230	660	970	680	410	230	1170	630	930	650	400	220

* Above data is for heating operation without any frost.

MSZ-FS09NA
MUZ-FS09NA
1) COOLING

Rated
Q(Btu/h): 9000
W: 560

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
115	46.1	Q(Btu/h)	10830	8280	8150	5480	2680	1530	10260	7700	7720	5190	2530	1450	9640	7020	7260	4870	2380	1360
		W	1180	640	900	600	300	120	1110	620	830	560	270	110	1060	590	800	550	270	110
110	43.3	Q(Btu/h)	11310	8640	8520	5730	2800	1600	10710	8040	8070	5430	2650	1520	10060	7360	7580	5100	2500	1430
		W	1150	630	890	600	300	120	1090	610	820	560	270	110	1040	580	790	550	270	110
105	40.6	Q(Btu/h)	11790	9000	8880	5970	2920	1670	11160	8370	8410	5660	2760	1580	10490	7700	7900	5310	2600	1480
		W	1120	620	860	570	290	120	1060	590	800	530	260	110	1010	570	770	520	260	110
100	37.8	Q(Btu/h)	12230	9340	9220	6210	3030	1730	11580	8690	8730	5880	2860	1640	10880	8080	8210	5520	2690	1540
		W	1090	610	830	560	280	120	1030	580	770	520	250	110	980	550	750	510	250	110
95	35.0	Q(Btu/h)	12670	9680	9550	6410	3130	1790	12000	9000	9040	6070	2960	1700	11280	8460	8500	5700	2790	1600
		W	1060	590	820	550	280	110	1000	560	760	510	250	100	950	530	740	500	250	100
90	32.2	Q(Btu/h)	13180	10000	9930	6670	3250	1870	12480	9360	9400	6320	3070	1770	11730	8780	8830	5930	2890	1660
		W	1030	570	790	530	260	110	970	540	730	490	240	100	920	520	710	480	240	100
85	29.4	Q(Btu/h)	13690	10310	10310	6910	3390	1940	12960	9720	9760	6550	3200	1840	12180	9090	9170	6150	3010	1730
		W	990	550	760	500	240	100	930	520	700	470	220	90	890	500	680	460	220	90
80	26.7	Q(Btu/h)	14190	10670	10690	7180	3500	2020	13440	10080	10120	6800	3310	1910	12630	9450	9510	6390	3120	1790
		W	940	530	720	490	240	100	890	500	670	460	220	90	850	480	650	450	220	90
75	23.9	Q(Btu/h)	14700	11030	11070	7440	3630	2080	13920	10440	10480	7050	3430	1970	13080	9810	9850	6620	3230	1850
		W	890	500	680	450	220	90	840	470	630	420	200	80	800	450	610	410	200	80
70	21.1	Q(Btu/h)	15210	11410	11450	7690	3760	2150	14400	10800	10840	7290	3550	2040	13530	10150	10190	6850	3340	1920
		W	850	480	660	450	220	90	800	450	610	420	200	80	760	430	590	410	200	80
65	18.3	Q(Btu/h)	12990	9750	9780	6560	3210	1690	12300	9230	9260	6220	3030	1600	11560	8670	8700	5840	2850	1510
		W	960	530	740	500	240	140	900	500	680	470	220	120	860	480	660	460	220	120
60	15.6	Q(Btu/h)	12990	9750	9780	6560	3210	1690	12300	9230	9260	6220	3030	1600	11560	8670	8700	5840	2850	1510
		W	960	530	740	500	240	140	900	500	680	470	220	120	860	480	660	460	220	120
55	12.8	Q(Btu/h)	12990	9750	9780	6560	3210	1690	12300	9230	9260	6220	3030	1600	11560	8670	8700	5840	2850	1510
		W	960	530	740	500	240	140	900	500	680	470	220	120	860	480	660	460	220	120
50	10.0	Q(Btu/h)	12990	9750	9780	6560	3210	1690	12300	9230	9260	6220	3030	1600	11560	8670	8700	5840	2850	1510
		W	960	530	740	500	240	140	900	500	680	470	220	120	860	480	660	460	220	120
45	7.2	Q(Btu/h)	12990	9750	9780	6560	3210	1690	12300	9230	9260	6220	3030	1600	11560	8670	8700	5840	2850	1510
		W	960	530	740	500	240	140	900	500	680	470	220	120	860	480	660	460	220	120
40	4.4	Q(Btu/h)	12990	9750	9780	6560	3210	1690	12300	9230	9260	6220	3030	1600	11560	8670	8700	5840	2850	1510
		W	960	530	740	500	240	140	900	500	680	470	220	120	860	480	660	460	220	120
35	1.7	Q(Btu/h)	12990	9750	9780	6560	3210	1690	12300	9230	9260	6220	3030	1600	11560	8670	8700	5840	2850	1510
		W	960	530	740	500	240	140	900	500	680	470	220	120	860	480	660	460	220	120
30	-1.1	Q(Btu/h)	12990	9750	9780	6560	3210	1690	12300	9230	9260	6220	3030	1600	11560	8670	8700	5840	2850	1510
		W	960	530	740	500	240	140	900	500	680	470	220	120	860	480	660	460	220	120
25	-3.9	Q(Btu/h)	12990	9750	9780	6560	3210	1690	12300	9230	9260	6220	3030	1600	11560	8670	8700	5840	2850	1510
		W	960	530	740	500	240	140	900	500	680	470	220	120	860	480	660	460	220	120
20	-6.7	Q(Btu/h)	12990	9750	9780	6560	3210	1690	12300	9230	9260	6220	3030	1600	11560	8670	8700	5840	2850	1510
		W	960	530	740	500	240	140	900	500	680	470	220	120	860	480	660	460	220	120
15	-9.4	Q(Btu/h)	12990	9750	9780	6560	3210	1690	12300	9230	9260	6220	3030	1600	11560	8670	8700	5840	2850	1510
		W	960	530	740	500	240	140	900	500	680	470	220	120	860	480	660	460	220	120

* It may not reach the above capacities in low ambient temperatures.

MSZ-FS09NA
MUZ-FS09NA
2) HEATING

Rated
Q(Btu/h): 9600
W: 620

Indoor D.B.			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
65	18.3	Q(Btu/h)	24360	11990	18270	12180	6090	2030	25350	12480	19010	12680	6340	2110	26340	12970	19750	13180	6590	2190
		W	1980	710	1490	990	500	170	1880	670	1410	940	470	160	1780	630	1330	890	440	150
60	15.6	Q(Btu/h)	23040	11340	17290	11530	5760	1920	24040	11830	18040	12030	6010	2000	25040	12320	18790	12530	6260	2080
		W	1960	710	1460	980	480	160	1860	670	1390	930	460	150	1760	630	1320	880	440	140
55	12.8	Q(Btu/h)	21710	10680	16280	10850	5430	1810	22720	11180	17040	11360	5680	1890	23730	11680	17800	11870	5930	1970
		W	1940	700	1460	980	480	160	1840	660	1390	930	460	150	1740	620	1320	880	440	140
50	10.0	Q(Btu/h)	20380	10030	15290	10190	5100	1700	21410	10540	16060	10710	5360	1790	22440	11050	16830	11230	5620	1880
		W	1910	680	1430	960	480	160	1810	650	1360	910	460	150	1710	620	1290	860	440	140
45	7.2	Q(Btu/h)	19050	9380	14290	9530	4770	1590	20090	9890	15070	10050	5030	1680	21130	10400	15850	10570	5290	1770
		W	1860	660	1390	930	460	160	1770	630	1320	880	440	150	1680	600	1250	830	420	140
43	6.1	Q(Btu/h)	18460	9090	13850	9230	4620	1540	19500	9600	14630	9750	4880	1630	20540	10110	15410	10270	5140	1720
		W	1830	650	1380	930	460	160	1740	620	1310	880	440	150	1650	590	1240	830	420	140
40	4.4	Q(Btu/h)	17370	8690	13020	8670	4340	1450	18380	9200	13780	9180	4590	1530	19390	9710	14540	9690	4840	1610
		W	1790	640	1350	900	450	150	1700	610	1280	850	430	140	1610	580	1210	800	410	130
35	1.7	Q(Btu/h)	16250	8000	12180	8120	4060	1360	17260	8500	12940	8630	4310	1440	18270	9000	13700	9140	4560	1520
		W	1740	620	1310	870	430	150	1650	590	1240	830	410	140	1560	560	1170	790	390	130
30	-1.1	Q(Btu/h)	15520	7360	11640	7760	3880	1290	16550	7850	12410	8280	4140	1380	17580	8340	13180	8800	4400	1470
		W	1720	590	1300	860	430	150	1630	560	1230	820	410	140	1540	530	1160	780	390	130
25	-3.9	Q(Btu/h)	14770	6720	11090	7390	3700	1230	15830	7200	11880	7920	3960	1320	16890	7680	12670	8450	4220	1410
		W	1690	560	1260	840	420	140	1600	530	1200	800	400	130	1510	500	1140	760	380	120
20	-6.7	Q(Btu/h)	13910	6070	10430	6950	3480	1160	15000	6550	11250	7500	3750	1250	16090	7030	12070	8050	4020	1340
		W	1680	520	1250	830	410	140	1590	490	1190	790	390	130	1500	460	1130	750	370	120
15	-9.4	Q(Btu/h)	13020	5420	9760	6510	3250	1080	14170	5900	10620	7080	3540	1180	15320	6380	11480	7650	3830	1280
		W	1660	470	1240	820	410	140	1580	450	1180	780	390	130	1500	430	1120	740	370	120
10	-12.2	Q(Btu/h)	11680	4740	8760	5840	2920	970	12880	5230	9660	6440	3220	1070	14080	5720	10560	7040	3520	1170
		W	1580	420	1190	790	400	140	1500	400	1130	750	380	130	1420	380	1070	710	360	120
5	-15.0	Q(Btu/h)	10320	4060	7740	5160	2570	860	11590	4560	8690	5790	2890	960	12860	5060	9640	6420	3210	1060
		W	1490	370	1120	750	380	130	1410	350	1060	710	360	120	1330	330	1000	670	340	110
0	-17.8	Q(Btu/h)	9200	3750	6900	4600	2300	760	10600	4320	7950	5300	2650	880	12000	4890	9000	6000	3000	1000
		W	1420	470	1060	720	360	120	1350	450	1010	680	340	110	1280	430	960	640	320	100
-4	-20.0	Q(Btu/h)	8110	3450	6080	4050	2030	680	9600	4080	7200	4800	2400	800	11090	4710	8320	5550	2770	920
		W	1350	570	1010	670	340	120	1280	540	960	640	320	110	1210	510	910	610	300	100
-10	-23.3	Q(Btu/h)	7020	2980	5260	3510	1750	580	8800	3740	6600	4400	2200	730	10580	4500	7940	5290	2650	880
		W	1330	570	990	660	330	110	1260	540	940	630	310	100	1190	510	890	600	290	90
-13	-25.0	Q(Btu/h)	6140	2610	4610	3070	1540	510	8000	3400	6000	4000	2000	670	9860	4190	7390	4930	2460	830
		W	1310	560	990	660	330	110	1240	530	940	630	310	100	1170	500	890	600	290	90

* Above data is for heating operation without any frost.

MSZ-FS09NA
MUZ-FS09NAH
1) COOLING

Rated
Q(Btu/h): 9000
W: 560

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
115	46.1	Q(Btu/h)	10830	8280	8150	5480	2680	1530	10260	7700	7720	5190	2530	1450	9640	7020	7260	4870	2380	1360
		W	1180	640	900	600	300	120	1110	620	830	560	270	110	1060	590	800	550	270	110
110	43.3	Q(Btu/h)	11310	8640	8520	5730	2800	1600	10710	8040	8070	5430	2650	1520	10060	7360	7580	5100	2500	1430
		W	1150	630	890	600	300	120	1090	610	820	560	270	110	1040	580	790	550	270	110
105	40.6	Q(Btu/h)	11790	9000	8880	5970	2920	1670	11160	8370	8410	5660	2760	1580	10490	7700	7900	5310	2600	1480
		W	1120	620	860	570	290	120	1060	590	800	530	260	110	1010	570	770	520	260	110
100	37.8	Q(Btu/h)	12230	9340	9220	6210	3030	1730	11580	8690	8730	5880	2860	1640	10880	8080	8210	5520	2690	1540
		W	1090	610	830	560	280	120	1030	580	770	520	250	110	980	550	750	510	250	110
95	35.0	Q(Btu/h)	12670	9680	9550	6410	3130	1790	12000	9000	9040	6070	2960	1700	11280	8460	8500	5700	2790	1600
		W	1060	590	820	550	280	110	1000	560	760	510	250	100	950	530	740	500	250	100
90	32.2	Q(Btu/h)	13180	10000	9930	6670	3250	1870	12480	9360	9400	6320	3070	1770	11730	8780	8830	5930	2890	1660
		W	1030	570	790	530	260	110	970	540	730	490	240	100	920	520	710	480	240	100
85	29.4	Q(Btu/h)	13690	10310	10310	6910	3390	1940	12960	9720	9760	6550	3200	1840	12180	9090	9170	6150	3010	1730
		W	990	550	760	500	240	100	930	520	700	470	220	90	890	500	680	460	220	90
80	26.7	Q(Btu/h)	14190	10670	10690	7180	3500	2020	13440	10080	10120	6800	3310	1910	12630	9450	9510	6390	3120	1790
		W	940	530	720	490	240	100	890	500	670	460	220	90	850	480	650	450	220	90
75	23.9	Q(Btu/h)	14700	11030	11070	7440	3630	2080	13920	10440	10480	7050	3430	1970	13080	9810	9850	6620	3230	1850
		W	890	500	680	450	220	90	840	470	630	420	200	80	800	450	610	410	200	80
70	21.1	Q(Btu/h)	15210	11410	11450	7690	3760	2150	14400	10800	10840	7290	3550	2040	13530	10150	10190	6850	3340	1920
		W	850	480	660	450	220	90	800	450	610	420	200	80	760	430	590	410	200	80
65	18.3	Q(Btu/h)	12990	9750	9780	6560	3210	1690	12300	9230	9260	6220	3030	1600	11560	8670	8700	5840	2850	1510
		W	960	530	740	500	240	140	900	500	680	470	220	120	860	480	660	460	220	120
60	15.6	Q(Btu/h)	12990	9750	9780	6560	3210	1690	12300	9230	9260	6220	3030	1600	11560	8670	8700	5840	2850	1510
		W	960	530	740	500	240	140	900	500	680	470	220	120	860	480	660	460	220	120
55	12.8	Q(Btu/h)	12990	9750	9780	6560	3210	1690	12300	9230	9260	6220	3030	1600	11560	8670	8700	5840	2850	1510
		W	960	530	740	500	240	140	900	500	680	470	220	120	860	480	660	460	220	120
50	10.0	Q(Btu/h)	12990	9750	9780	6560	3210	1690	12300	9230	9260	6220	3030	1600	11560	8670	8700	5840	2850	1510
		W	960	530	740	500	240	140	900	500	680	470	220	120	860	480	660	460	220	120
45	7.2	Q(Btu/h)	12990	9750	9780	6560	3210	1690	12300	9230	9260	6220	3030	1600	11560	8670	8700	5840	2850	1510
		W	960	530	740	500	240	140	900	500	680	470	220	120	860	480	660	460	220	120
40	4.4	Q(Btu/h)	12990	9750	9780	6560	3210	1690	12300	9230	9260	6220	3030	1600	11560	8670	8700	5840	2850	1510
		W	960	530	740	500	240	140	900	500	680	470	220	120	860	480	660	460	220	120
35	1.7	Q(Btu/h)	12990	9750	9780	6560	3210	1690	12300	9230	9260	6220	3030	1600	11560	8670	8700	5840	2850	1510
		W	960	530	740	500	240	140	900	500	680	470	220	120	860	480	660	460	220	120
30	-1.1	Q(Btu/h)	12990	9750	9780	6560	3210	1690	12300	9230	9260	6220	3030	1600	11560	8670	8700	5840	2850	1510
		W	960	530	740	500	240	140	900	500	680	470	220	120	860	480	660	460	220	120
25	-3.9	Q(Btu/h)	12990	9750	9780	6560	3210	1690	12300	9230	9260	6220	3030	1600	11560	8670	8700	5840	2850	1510
		W	960	530	740	500	240	140	900	500	680	470	220	120	860	480	660	460	220	120
20	-6.7	Q(Btu/h)	12990	9750	9780	6560	3210	1690	12300	9230	9260	6220	3030	1600	11560	8670	8700	5840	2850	1510
		W	960	530	740	500	240	140	900	500	680	470	220	120	860	480	660	460	220	120
15	-9.4	Q(Btu/h)	12990	9750	9780	6560	3210	1690	12300	9230	9260	6220	3030	1600	11560	8670	8700	5840	2850	1510
		W	960	530	740	500	240	140	900	500	680	470	220	120	860	480	660	460	220	120

* It may not reach the above capacities in low ambient temperatures.

MSZ-FS09NA
MUZ-FS09NAH
2) HEATING

Rated
Q(Btu/h): 9600
W: 620

Indoor D.B.			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
65	18.3	Q(Btu/h)	24360	11990	18270	12180	6090	2030	25350	12480	19010	12680	6340	2110	26340	12970	19750	13180	6590	2190
		W	1980	710	1490	990	500	170	1880	670	1410	940	470	160	1780	630	1330	890	440	150
60	15.6	Q(Btu/h)	23040	11340	17290	11530	5760	1920	24040	11830	18040	12030	6010	2000	25040	12320	18790	12530	6260	2080
		W	1960	710	1460	980	480	160	1860	670	1390	930	460	150	1760	630	1320	880	440	140
55	12.8	Q(Btu/h)	21710	10680	16280	10850	5430	1810	22720	11180	17040	11360	5680	1890	23730	11680	17800	11870	5930	1970
		W	1940	700	1460	980	480	160	1840	660	1390	930	460	150	1740	620	1320	880	440	140
50	10.0	Q(Btu/h)	20380	10030	15290	10190	5100	1700	21410	10540	16060	10710	5360	1790	22440	11050	16830	11230	5620	1880
		W	1910	680	1430	960	480	160	1810	650	1360	910	460	150	1710	620	1290	860	440	140
45	7.2	Q(Btu/h)	19050	9380	14290	9530	4770	1590	20090	9890	15070	10050	5030	1680	21130	10400	15850	10570	5290	1770
		W	1860	660	1390	930	460	160	1770	630	1320	880	440	150	1680	600	1250	830	420	140
43	6.1	Q(Btu/h)	18460	9090	13850	9230	4620	1540	19500	9600	14630	9750	4880	1630	20540	10110	15410	10270	5140	1720
		W	1830	650	1380	930	460	160	1740	620	1310	880	440	150	1650	590	1240	830	420	140
40	4.4	Q(Btu/h)	17370	8690	13020	8670	4340	1450	18380	9200	13780	9180	4590	1530	19390	9710	14540	9690	4840	1610
		W	1790	640	1350	900	450	150	1700	610	1280	850	430	140	1610	580	1210	800	410	130
35	1.7	Q(Btu/h)	16250	8000	12180	8120	4060	1360	17260	8500	12940	8630	4310	1440	18270	9000	13700	9140	4560	1520
		W	1740	620	1310	870	430	150	1650	590	1240	830	410	140	1560	560	1170	790	390	130
30	-1.1	Q(Btu/h)	15520	7360	11640	7760	3880	1290	16550	7850	12410	8280	4140	1380	17580	8340	13180	8800	4400	1470
		W	1850	720	1430	990	560	280	1760	690	1360	950	540	270	1670	660	1290	910	520	260
25	-3.9	Q(Btu/h)	14770	6720	11090	7390	3700	1230	15830	7200	11880	7920	3960	1320	16890	7680	12670	8450	4220	1410
		W	1820	690	1390	970	550	270	1730	660	1330	930	530	260	1640	630	1270	890	510	250
20	-6.7	Q(Btu/h)	13910	6070	10430	6950	3480	1160	15000	6550	11250	7500	3750	1250	16090	7030	12070	8050	4020	1340
		W	1810	650	1380	960	540	270	1720	620	1320	920	520	260	1630	590	1260	880	500	250
15	-9.4	Q(Btu/h)	13020	5420	9760	6510	3250	1080	14170	5900	10620	7080	3540	1180	15320	6380	11480	7650	3830	1280
		W	1790	600	1370	950	540	270	1710	580	1310	910	520	260	1630	560	1250	870	500	250
10	-12.2	Q(Btu/h)	11680	4740	8760	5840	2920	970	12880	5230	9660	6440	3220	1070	14080	5720	10560	7040	3520	1170
		W	1710	550	1320	920	530	270	1630	530	1260	880	510	260	1550	510	1200	840	490	250
5	-15.0	Q(Btu/h)	10320	4060	7740	5160	2570	860	11590	4560	8690	5790	2890	960	12860	5060	9640	6420	3210	1060
		W	1620	500	1250	880	510	260	1540	480	1190	840	490	250	1460	460	1130	800	470	240
0	-17.8	Q(Btu/h)	9200	3750	6900	4600	2300	760	10600	4320	7950	5300	2650	880	12000	4890	9000	6000	3000	1000
		W	1550	600	1190	850	490	250	1480	580	1140	810	470	240	1410	560	1090	770	450	230
-4	-20.0	Q(Btu/h)	8110	3450	6080	4050	2030	680	9600	4080	7200	4800	2400	800	11090	4710	8320	5550	2770	920
		W	1480	700	1140	800	470	250	1410	670	1090	770	450	240	1340	640	1040	740	430	230
-10	-23.3	Q(Btu/h)	7020	2980	5260	3510	1750	580	8800	3740	6600	4400	2200	730	10580	4500	7940	5290	2650	880
		W	1460	700	1120	790	460	240	1390	670	1070	760	440	230	1320	640	1020	730	420	220
-13	-25.0	Q(Btu/h)	6140	2610	4610	3070	1540	510	8000	3400	6000	4000	2000	670	9860	4190	7390	4930	2460	830
		W	1440	690	1120	790	460	240	1370	660	1070	760	440	230	1300	630	1020	730	420	220

* Above data is for heating operation without any frost.

MSZ-FS12NA
MUZ-FS12NA
1) COOLING

Rated
Q(Btu/h): 12000
W: 870

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
115	46.1	Q(Btu/h)	12280	11040	9320	6130	3160	2260	11630	10260	8830	5820	3010	2140	10920	9360	8290	5450	2820	2010
		W	1360	1000	1020	690	350	200	1280	970	970	650	340	190	1210	920	920	610	310	190
110	43.3	Q(Btu/h)	12820	11520	9720	6390	3300	2360	12140	10710	9210	6070	3140	2240	11400	9810	8650	5690	2940	2110
		W	1330	980	1000	660	330	200	1250	950	950	620	320	190	1190	910	900	580	300	190
105	40.6	Q(Btu/h)	13360	12000	10130	6660	3430	2460	12650	11160	9600	6320	3260	2330	11880	10260	9010	5920	3050	2190
		W	1300	960	970	640	320	190	1220	920	920	600	310	180	1160	890	870	560	290	180
100	37.8	Q(Btu/h)	13860	12450	10510	6910	3560	2550	13130	11580	9960	6560	3390	2420	12330	10770	9350	6140	3170	2280
		W	1260	940	960	640	320	190	1190	900	910	600	310	180	1130	860	860	560	290	180
95	35.0	Q(Btu/h)	14360	12900	10880	7150	3690	2640	13600	12000	10310	6790	3510	2500	12770	11280	9680	6360	3290	2350
		W	1230	910	930	620	310	180	1155	870	880	580	300	170	1100	830	830	540	280	170
90	32.2	Q(Btu/h)	14940	13320	11330	7460	3850	2740	14150	12480	10740	7080	3660	2600	13290	11700	10090	6630	3430	2450
		W	1180	880	900	590	300	180	1110	840	850	560	290	170	1050	800	800	530	270	170
85	29.4	Q(Btu/h)	15510	13740	11750	7730	3980	2850	14690	12960	11140	7340	3790	2700	13800	12120	10460	6880	3550	2540
		W	1140	850	850	570	290	170	1070	800	810	540	280	160	1010	770	770	510	260	160
80	26.7	Q(Btu/h)	16090	14220	12200	8010	4140	2950	15240	13440	11560	7610	3940	2800	14310	12600	10860	7130	3690	2640
		W	1080	810	810	540	270	160	1020	770	770	510	260	150	970	740	730	480	240	150
75	23.9	Q(Btu/h)	16660	14700	12630	8320	4300	3060	15780	13920	11970	7900	4090	2900	14820	13080	11240	7400	3830	2730
		W	1030	770	780	520	270	150	970	730	740	490	260	140	920	700	700	460	240	140
70	21.1	Q(Btu/h)	17230	15210	13060	8580	4430	3170	16320	14400	12380	8150	4210	3000	15330	13530	11620	7630	3940	2820
		W	980	730	730	490	250	150	920	690	690	460	240	140	870	660	650	430	220	140
65	18.3	Q(Btu/h)	14720	12990	11160	7350	3800	2550	13940	12300	10580	6980	3610	2410	13090	11560	9930	6530	3380	2270
		W	1100	830	830	540	270	190	1030	780	780	510	260	180	970	750	730	480	240	180
60	15.6	Q(Btu/h)	14720	12990	11160	7350	3800	2550	13940	12300	10580	6980	3610	2410	13090	11560	9930	6530	3380	2270
		W	1100	830	830	540	270	190	1030	780	780	510	260	180	970	750	730	480	240	180
55	12.8	Q(Btu/h)	14720	12990	11160	7350	3800	2550	13940	12300	10580	6980	3610	2410	13090	11560	9930	6530	3380	2270
		W	1100	830	830	540	270	190	1030	780	780	510	260	180	970	750	730	480	240	180
50	10.0	Q(Btu/h)	14720	12990	11160	7350	3800	2550	13940	12300	10580	6980	3610	2410	13090	11560	9930	6530	3380	2270
		W	1100	830	830	540	270	190	1030	780	780	510	260	180	970	750	730	480	240	180
45	7.2	Q(Btu/h)	14720	12990	11160	7350	3800	2550	13940	12300	10580	6980	3610	2410	13090	11560	9930	6530	3380	2270
		W	1100	830	830	540	270	190	1030	780	780	510	260	180	970	750	730	480	240	180
40	4.4	Q(Btu/h)	14720	12990	11160	7350	3800	2550	13940	12300	10580	6980	3610	2410	13090	11560	9930	6530	3380	2270
		W	1100	830	830	540	270	190	1030	780	780	510	260	180	970	750	730	480	240	180
35	1.7	Q(Btu/h)	14720	12990	11160	7350	3800	2550	13940	12300	10580	6980	3610	2410	13090	11560	9930	6530	3380	2270
		W	1100	830	830	540	270	190	1030	780	780	510	260	180	970	750	730	480	240	180
30	-1.1	Q(Btu/h)	14720	12990	11160	7350	3800	2550	13940	12300	10580	6980	3610	2410	13090	11560	9930	6530	3380	2270
		W	1100	830	830	540	270	190	1030	780	780	510	260	180	970	750	730	480	240	180
25	-3.9	Q(Btu/h)	14720	12990	11160	7350	3800	2550	13940	12300	10580	6980	3610	2410	13090	11560	9930	6530	3380	2270
		W	1100	830	830	540	270	190	1030	780	780	510	260	180	970	750	730	480	240	180
20	-6.7	Q(Btu/h)	14720	12990	11160	7350	3800	2550	13940	12300	10580	6980	3610	2410	13090	11560	9930	6530	3380	2270
		W	1100	830	830	540	270	190	1030	780	780	510	260	180	970	750	730	480	240	180
15	-9.4	Q(Btu/h)	14720	12990	11160	7350	3800	2550	13940	12300	10580	6980	3610	2410	13090	11560	9930	6530	3380	2270
		W	1100	830	830	540	270	190	1030	780	780	510	260	180	970	750	730	480	240	180

* It may not reach the above capacities in low ambient temperatures.

MSZ-FS12NA
MUZ-FS12NA
2) HEATING

Rated
Q(Btu/h): 12300
W: 850

Indoor D.B.			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
65	18.3	Q(Btu/h)	26230	15360	19740	13240	6500	4000	27300	15990	20540	13780	6760	4160	28370	16620	21340	14320	7020	4320
		W	2610	970	1960	1320	640	400	2480	920	1860	1250	610	380	2350	870	1760	1180	580	360
60	15.6	Q(Btu/h)	24820	14530	18670	12520	6140	3780	25890	15160	19480	13060	6410	3940	26960	15790	20290	13600	6680	4100
		W	2590	960	1950	1320	640	400	2460	910	1850	1250	610	380	2330	860	1750	1180	580	360
55	12.8	Q(Btu/h)	23380	13690	17590	11800	5790	3560	24470	14330	18410	12350	6060	3730	25560	14970	19230	12900	6330	3900
		W	2570	950	1930	1300	630	390	2440	900	1830	1230	600	370	2310	850	1730	1160	570	350
50	10.0	Q(Btu/h)	21940	12850	16500	11070	5430	3340	23050	13500	17340	11630	5710	3510	24160	14150	18180	12190	5990	3680
		W	2530	940	1910	1270	620	380	2400	890	1810	1210	590	360	2270	840	1710	1150	560	340
45	7.2	Q(Btu/h)	20510	12010	15430	10350	5070	3120	21630	12670	16270	10910	5350	3290	22750	13330	17110	11470	5630	3460
		W	2480	920	1860	1250	610	380	2350	870	1770	1190	580	360	2220	820	1680	1130	550	340
43	6.1	Q(Btu/h)	19890	11650	14960	10040	4920	3030	21000	12300	15800	10600	5200	3200	22110	12950	16640	11160	5480	3370
		W	2420	900	1820	1220	600	370	2300	850	1730	1160	570	350	2180	800	1640	1100	540	330
40	4.4	Q(Btu/h)	18710	11130	14080	9440	4630	2850	19800	11780	14900	9990	4900	3020	20890	12430	15720	10540	5170	3190
		W	2370	880	1780	1200	590	360	2250	840	1690	1140	560	340	2130	800	1600	1080	530	320
35	1.7	Q(Btu/h)	17500	10250	13160	8830	4330	2660	18590	10890	13980	9380	4600	2830	19680	11530	14800	9930	4870	3000
		W	2310	850	1740	1170	570	350	2190	810	1650	1110	540	330	2070	770	1560	1050	510	310
30	-1.1	Q(Btu/h)	17460	9430	13140	8810	4320	2660	18620	10060	14010	9400	4610	2840	19780	10690	14880	9990	4900	3020
		W	2140	810	1610	1090	540	330	2030	770	1530	1030	510	310	1920	730	1450	970	480	290
25	-3.9	Q(Btu/h)	17390	8610	13080	8780	4310	2650	18640	9230	14020	9410	4620	2840	19890	9850	14960	10040	4930	3030
		W	1960	770	1470	990	480	290	1860	730	1400	940	460	280	1760	690	1330	890	440	270
20	-6.7	Q(Btu/h)	16720	7790	12570	8430	4130	2540	18030	8400	13560	9090	4460	2740	19340	9010	14550	9750	4790	2940
		W	1960	710	1470	990	480	290	1860	670	1400	940	460	280	1760	630	1330	890	440	270
15	-9.4	Q(Btu/h)	16000	6950	12040	8080	3960	2430	17410	7560	13100	8790	4310	2650	18820	8170	14160	9500	4660	2870
		W	1960	640	1470	990	480	290	1860	610	1400	940	460	280	1760	580	1330	890	440	270
10	-12.2	Q(Btu/h)	14560	6080	10960	7350	3600	2210	16050	6700	12080	8100	3970	2440	17540	7320	13200	8850	4340	2670
		W	1920	580	1440	970	470	290	1820	550	1370	920	450	280	1720	520	1300	870	430	270
5	-15.0	Q(Btu/h)	13080	5200	9840	6600	3230	1990	14690	5840	11050	7410	3630	2230	16300	6480	12260	8220	4030	2470
		W	1880	510	1410	950	460	280	1780	480	1340	900	440	270	1680	450	1270	850	420	260
0	-17.8	Q(Btu/h)	11720	5030	8820	5910	2900	1790	13500	5790	10160	6810	3340	2060	15280	6550	11500	7710	3780	2330
		W	1790	650	1350	910	440	270	1700	620	1280	860	420	260	1610	590	1210	810	400	250
-4	-20.0	Q(Btu/h)	10390	4850	7810	5240	2580	1590	12300	5740	9250	6210	3050	1880	14210	6630	10690	7180	3520	2170
		W	1700	790	1270	850	420	260	1610	750	1210	810	400	250	1520	710	1150	770	380	240
-10	-23.3	Q(Btu/h)	9290	4340	6990	4690	2300	1410	11650	5440	8770	5880	2880	1770	14010	6540	10550	7070	3460	2130
		W	1660	780	1250	840	410	250	1580	740	1190	800	390	240	1500	700	1130	760	370	230
-13	-25.0	Q(Btu/h)	8450	3940	6360	4260	2090	1280	11000	5130	8280	5550	2720	1670	13550	6320	10200	6840	3350	2060
		W	1630	760	1230	820	400	240	1550	720	1170	780	380	230	1470	680	1110	740	360	220

* Above data is for heating operation without any frost.

MSZ-FS12NA
MUZ-FS12NAH
1) COOLING

Rated
Q(Btu/h): 12000
W: 870

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
115	46.1	Q(Btu/h)	12280	11040	9320	6130	3160	2260	11630	10260	8830	5820	3010	2140	10920	9360	8290	5450	2820	2010
		W	1360	1000	1020	690	350	200	1280	970	970	650	340	190	1210	920	920	610	310	190
110	43.3	Q(Btu/h)	12820	11520	9720	6390	3300	2360	12140	10710	9210	6070	3140	2240	11400	9810	8650	5690	2940	2110
		W	1330	980	1000	660	330	200	1250	950	950	620	320	190	1190	910	900	580	300	190
105	40.6	Q(Btu/h)	13360	12000	10130	6660	3430	2460	12650	11160	9600	6320	3260	2330	11880	10260	9010	5920	3050	2190
		W	1300	960	970	640	320	190	1220	920	920	600	310	180	1160	890	870	560	290	180
100	37.8	Q(Btu/h)	13860	12450	10510	6910	3560	2550	13130	11580	9960	6560	3390	2420	12330	10770	9350	6140	3170	2280
		W	1260	940	960	640	320	190	1190	900	910	600	310	180	1130	860	860	560	290	180
95	35.0	Q(Btu/h)	14360	12900	10880	7150	3690	2640	13600	12000	10310	6790	3510	2500	12770	11280	9680	6360	3290	2350
		W	1230	910	930	620	310	180	1155	870	880	580	300	170	1100	830	830	540	280	170
90	32.2	Q(Btu/h)	14940	13320	11330	7460	3850	2740	14150	12480	10740	7080	3660	2600	13290	11700	10090	6630	3430	2450
		W	1180	880	900	590	300	180	1110	840	850	560	290	170	1050	800	800	530	270	170
85	29.4	Q(Btu/h)	15510	13740	11750	7730	3980	2850	14690	12960	11140	7340	3790	2700	13800	12120	10460	6880	3550	2540
		W	1140	850	850	570	290	170	1070	800	810	540	280	160	1010	770	770	510	260	160
80	26.7	Q(Btu/h)	16090	14220	12200	8010	4140	2950	15240	13440	11560	7610	3940	2800	14310	12600	10860	7130	3690	2640
		W	1080	810	810	540	270	160	1020	770	770	510	260	150	970	740	730	480	240	150
75	23.9	Q(Btu/h)	16660	14700	12630	8320	4300	3060	15780	13920	11970	7900	4090	2900	14820	13080	11240	7400	3830	2730
		W	1030	770	780	520	270	150	970	730	740	490	260	140	920	700	700	460	240	140
70	21.1	Q(Btu/h)	17230	15210	13060	8580	4430	3170	16320	14400	12380	8150	4210	3000	15330	13530	11620	7630	3940	2820
		W	980	730	730	490	250	150	920	690	690	460	240	140	870	660	650	430	220	140
65	18.3	Q(Btu/h)	14720	12990	11160	7350	3800	2550	13940	12300	10580	6980	3610	2410	13090	11560	9930	6530	3380	2270
		W	1100	830	830	540	270	190	1030	780	780	510	260	180	970	750	730	480	240	180
60	15.6	Q(Btu/h)	14720	12990	11160	7350	3800	2550	13940	12300	10580	6980	3610	2410	13090	11560	9930	6530	3380	2270
		W	1100	830	830	540	270	190	1030	780	780	510	260	180	970	750	730	480	240	180
55	12.8	Q(Btu/h)	14720	12990	11160	7350	3800	2550	13940	12300	10580	6980	3610	2410	13090	11560	9930	6530	3380	2270
		W	1100	830	830	540	270	190	1030	780	780	510	260	180	970	750	730	480	240	180
50	10.0	Q(Btu/h)	14720	12990	11160	7350	3800	2550	13940	12300	10580	6980	3610	2410	13090	11560	9930	6530	3380	2270
		W	1100	830	830	540	270	190	1030	780	780	510	260	180	970	750	730	480	240	180
45	7.2	Q(Btu/h)	14720	12990	11160	7350	3800	2550	13940	12300	10580	6980	3610	2410	13090	11560	9930	6530	3380	2270
		W	1100	830	830	540	270	190	1030	780	780	510	260	180	970	750	730	480	240	180
40	4.4	Q(Btu/h)	14720	12990	11160	7350	3800	2550	13940	12300	10580	6980	3610	2410	13090	11560	9930	6530	3380	2270
		W	1100	830	830	540	270	190	1030	780	780	510	260	180	970	750	730	480	240	180
35	1.7	Q(Btu/h)	14720	12990	11160	7350	3800	2550	13940	12300	10580	6980	3610	2410	13090	11560	9930	6530	3380	2270
		W	1100	830	830	540	270	190	1030	780	780	510	260	180	970	750	730	480	240	180
30	-1.1	Q(Btu/h)	14720	12990	11160	7350	3800	2550	13940	12300	10580	6980	3610	2410	13090	11560	9930	6530	3380	2270
		W	1100	830	830	540	270	190	1030	780	780	510	260	180	970	750	730	480	240	180
25	-3.9	Q(Btu/h)	14720	12990	11160	7350	3800	2550	13940	12300	10580	6980	3610	2410	13090	11560	9930	6530	3380	2270
		W	1100	830	830	540	270	190	1030	780	780	510	260	180	970	750	730	480	240	180
20	-6.7	Q(Btu/h)	14720	12990	11160	7350	3800	2550	13940	12300	10580	6980	3610	2410	13090	11560	9930	6530	3380	2270
		W	1100	830	830	540	270	190	1030	780	780	510	260	180	970	750	730	480	240	180
15	-9.4	Q(Btu/h)	14720	12990	11160	7350	3800	2550	13940	12300	10580	6980	3610	2410	13090	11560	9930	6530	3380	2270
		W	1100	830	830	540	270	190	1030	780	780	510	260	180	970	750	730	480	240	180

* It may not reach the above capacities in low ambient temperatures.

MSZ-FS12NA
MUZ-FS12NAH
2) HEATING

Rated
Q(Btu/h): 12300
W: 850

Indoor D.B.			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
65	18.3	Q(Btu/h)	26230	15360	19740	13240	6500	4000	27300	15990	20540	13780	6760	4160	28370	16620	21340	14320	7020	4320
		W	2610	970	1960	1320	640	400	2480	920	1860	1250	610	380	2350	870	1760	1180	580	360
60	15.6	Q(Btu/h)	24820	14530	18670	12520	6140	3780	25890	15160	19480	13060	6410	3940	26960	15790	20290	13600	6680	4100
		W	2590	960	1950	1320	640	400	2460	910	1850	1250	610	380	2330	860	1750	1180	580	360
55	12.8	Q(Btu/h)	23380	13690	17590	11800	5790	3560	24470	14330	18410	12350	6060	3730	25560	14970	19230	12900	6330	3900
		W	2570	950	1930	1300	630	390	2440	900	1830	1230	600	370	2310	850	1730	1160	570	350
50	10.0	Q(Btu/h)	21940	12850	16500	11070	5430	3340	23050	13500	17340	11630	5710	3510	24160	14150	18180	12190	5990	3680
		W	2530	940	1910	1270	620	380	2400	890	1810	1210	590	360	2270	840	1710	1150	560	340
45	7.2	Q(Btu/h)	20510	12010	15430	10350	5070	3120	21630	12670	16270	10910	5350	3290	22750	13330	17110	11470	5630	3460
		W	2480	920	1860	1250	610	380	2350	870	1770	1190	580	360	2220	820	1680	1130	550	340
43	6.1	Q(Btu/h)	19890	11650	14960	10040	4920	3030	21000	12300	15800	10600	5200	3200	22110	12950	16640	11160	5480	3370
		W	2420	900	1820	1220	600	370	2300	850	1730	1160	570	350	2180	800	1640	1100	540	330
40	4.4	Q(Btu/h)	18710	11130	14080	9440	4630	2850	19800	11780	14900	9990	4900	3020	20890	12430	15720	10540	5170	3190
		W	2370	880	1780	1200	590	360	2250	840	1690	1140	560	340	2130	800	1600	1080	530	320
35	1.7	Q(Btu/h)	17500	10250	13160	8830	4330	2660	18590	10890	13980	9380	4600	2830	19680	11530	14800	9930	4870	3000
		W	2310	850	1740	1170	570	350	2190	810	1650	1110	540	330	2070	770	1560	1050	510	310
30	-1.1	Q(Btu/h)	17460	9430	13140	8810	4320	2660	18620	10060	14010	9400	4610	2840	19780	10690	14880	9990	4900	3020
		W	2270	940	1740	1220	670	460	2160	900	1660	1160	640	440	2050	860	1580	1100	610	420
25	-3.9	Q(Btu/h)	17390	8610	13080	8780	4310	2650	18640	9230	14020	9410	4620	2840	19890	9850	14960	10040	4930	3030
		W	2090	900	1600	1120	610	420	1990	860	1530	1070	590	410	1890	820	1460	1020	570	400
20	-6.7	Q(Btu/h)	16720	7790	12570	8430	4130	2540	18030	8400	13560	9090	4460	2740	19340	9010	14550	9750	4790	2940
		W	2090	840	1600	1120	610	420	1990	800	1530	1070	590	410	1890	760	1460	1020	570	400
15	-9.4	Q(Btu/h)	16000	6950	12040	8080	3960	2430	17410	7560	13100	8790	4310	2650	18820	8170	14160	9500	4660	2870
		W	2090	770	1600	1120	610	420	1990	740	1530	1070	590	410	1890	710	1460	1020	570	400
10	-12.2	Q(Btu/h)	14560	6080	10960	7350	3600	2210	16050	6700	12080	8100	3970	2440	17540	7320	13200	8850	4340	2670
		W	2050	710	1570	1100	600	420	1950	680	1500	1050	580	410	1850	650	1430	1000	560	400
5	-15.0	Q(Btu/h)	13080	5200	9840	6600	3230	1990	14690	5840	11050	7410	3630	2230	16300	6480	12260	8220	4030	2470
		W	2010	640	1540	1080	590	410	1910	610	1470	1030	570	400	1810	580	1400	980	550	390
0	-17.8	Q(Btu/h)	11720	5030	8820	5910	2900	1790	13500	5790	10160	6810	3340	2060	15280	6550	11500	7710	3780	2330
		W	1920	780	1480	1040	570	400	1830	750	1410	990	550	390	1740	720	1340	940	530	380
-4	-20.0	Q(Btu/h)	10390	4850	7810	5240	2580	1590	12300	5740	9250	6210	3050	1880	14210	6630	10690	7180	3520	2170
		W	1830	920	1400	980	550	390	1740	880	1340	940	530	380	1650	840	1280	900	510	370
-10	-23.3	Q(Btu/h)	9290	4340	6990	4690	2300	1410	11650	5440	8770	5880	2880	1770	14010	6540	10550	7070	3460	2130
		W	1790	910	1380	970	540	380	1710	870	1320	930	520	370	1630	830	1260	890	500	360
-13	-25.0	Q(Btu/h)	8450	3940	6360	4260	2090	1280	11000	5130	8280	5550	2720	1670	13550	6320	10200	6840	3350	2060
		W	1760	890	1360	950	530	370	1680	850	1300	910	510	360	1600	810	1240	870	490	350

* Above data is for heating operation without any frost.

MSZ-FS15NA
MUZ-FS15NA
1) COOLING

Rated
Q(Btu/h): 14000
W: 1000

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
115	46.1	Q(Btu/h)	17160	12880	12930	8680	4230	5820	16250	11970	12240	8220	4000	5510	15270	10920	11510	7730	3760	5180
		W	2360	1150	1770	1210	610	490	2230	1110	1680	1140	560	460	2120	1060	1600	1090	550	450
110	43.3	Q(Btu/h)	17910	13440	13500	9090	4430	6080	16960	12500	12780	8600	4190	5760	15940	11450	12020	8080	3940	5410
		W	2310	1130	1730	1150	590	480	2180	1090	1640	1090	540	450	2080	1040	1560	1040	530	440
105	40.6	Q(Btu/h)	18660	14000	14060	9440	4610	6340	17670	13020	13310	8940	4360	6000	16600	11970	12520	8400	4100	5640
		W	2260	1110	1700	1150	590	460	2130	1060	1610	1090	540	430	2030	1020	1530	1040	530	420
100	37.8	Q(Btu/h)	19370	14530	14590	9800	4790	6580	18340	13510	13810	9280	4530	6230	17230	12570	12990	8720	4260	5860
		W	2190	1080	1650	1110	560	440	2070	1030	1560	1050	510	420	1970	990	1490	1000	500	410
95	35.0	Q(Btu/h)	20070	15050	15130	10170	4960	6810	19000	14000	14320	9630	4690	6450	17850	13160	13470	9050	4410	6060
		W	2130	1050	1590	1080	550	430	2010	1000	1510	1020	500	410	1910	960	1440	970	490	400
90	32.2	Q(Btu/h)	20870	15540	15730	10570	5160	7090	19760	14560	14890	10010	4880	6710	18570	13650	14000	9410	4580	6310
		W	2050	1020	1540	1040	530	420	1940	970	1460	980	480	400	1850	930	1390	930	470	390
85	29.4	Q(Btu/h)	21670	16030	16340	10980	5350	7360	20520	15120	15460	10390	5060	6970	19280	14140	14540	9770	4750	6550
		W	1970	980	1480	1010	500	400	1860	930	1400	950	460	380	1770	890	1330	910	450	370
80	26.7	Q(Btu/h)	22480	16590	16940	11390	5550	7640	21280	15680	16030	10780	5250	7230	20000	14700	15070	10130	4930	6800
		W	1890	940	1410	950	480	380	1780	890	1340	900	440	360	1700	850	1280	860	430	350
75	23.9	Q(Btu/h)	23280	17150	17540	11800	5750	7900	22040	16240	16600	11170	5440	7480	20710	15260	15610	10500	5110	7030
		W	1790	890	1340	910	450	360	1690	840	1270	860	410	340	1610	800	1210	820	400	330
70	21.1	Q(Btu/h)	24080	17740	18140	12200	5950	8170	22800	16800	17170	11550	5630	7740	21420	15790	16150	10860	5290	7270
		W	1690	850	1270	860	430	350	1600	800	1200	810	390	330	1520	760	1140	770	380	320
65	18.3	Q(Btu/h)	20570	15150	15510	10430	5080	5340	19480	14350	14680	9870	4810	5060	18300	13490	13810	9280	4520	4750
		W	1590	800	1200	800	410	410	1510	750	1130	750	370	390	1430	710	1070	710	360	380
60	15.6	Q(Btu/h)	20570	15150	15510	10430	5080	5340	19480	14350	14680	9870	4810	5060	18300	13490	13810	9280	4520	4750
		W	1590	800	1200	800	410	410	1510	750	1130	750	370	390	1430	710	1070	710	360	380
55	12.8	Q(Btu/h)	20570	15150	15510	10430	5080	5340	19480	14350	14680	9870	4810	5060	18300	13490	13810	9280	4520	4750
		W	1590	800	1200	800	410	410	1510	750	1130	750	370	390	1430	710	1070	710	360	380
50	10.0	Q(Btu/h)	20570	15150	15510	10430	5080	5340	19480	14350	14680	9870	4810	5060	18300	13490	13810	9280	4520	4750
		W	1590	800	1200	800	410	410	1510	750	1130	750	370	390	1430	710	1070	710	360	380
45	7.2	Q(Btu/h)	20570	15150	15510	10430	5080	5340	19480	14350	14680	9870	4810	5060	18300	13490	13810	9280	4520	4750
		W	1590	800	1200	800	410	410	1510	750	1130	750	370	390	1430	710	1070	710	360	380
40	4.4	Q(Btu/h)	20570	15150	15510	10430	5080	5340	19480	14350	14680	9870	4810	5060	18300	13490	13810	9280	4520	4750
		W	1590	800	1200	800	410	410	1510	750	1130	750	370	390	1430	710	1070	710	360	380
35	1.7	Q(Btu/h)	20570	15150	15510	10430	5080	5340	19480	14350	14680	9870	4810	5060	18300	13490	13810	9280	4520	4750
		W	1590	800	1200	800	410	410	1510	750	1130	750	370	390	1430	710	1070	710	360	380
30	-1.1	Q(Btu/h)	20570	15150	15510	10430	5080	5340	19480	14350	14680	9870	4810	5060	18300	13490	13810	9280	4520	4750
		W	1590	800	1200	800	410	410	1510	750	1130	750	370	390	1430	710	1070	710	360	380
25	-3.9	Q(Btu/h)	20570	15150	15510	10430	5080	5340	19480	14350	14680	9870	4810	5060	18300	13490	13810	9280	4520	4750
		W	1590	800	1200	800	410	410	1510	750	1130	750	370	390	1430	710	1070	710	360	380
20	-6.7	Q(Btu/h)	20570	15150	15510	10430	5080	5340	19480	14350	14680	9870	4810	5060	18300	13490	13810	9280	4520	4750
		W	1590	800	1200	800	410	410	1510	750	1130	750	370	390	1430	710	1070	710	360	380
15	-9.4	Q(Btu/h)	20570	15150	15510	10430	5080	5340	19480	14350	14680	9870	4810	5060	18300	13490	13810	9280	4520	4750
		W	1590	800	1200	800	410	410	1510	750	1130	750	370	390	1430	710	1070	710	360	380

* It may not reach the above capacities in low ambient temperatures.

MSZ-FS15NA
MUZ-FS15NA
2) HEATING

Rated
Q(Btu/h): 16000
W: 1155

Indoor D.B.			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
65	18.3	Q(Btu/h)	34600	19990	26040	17470	8560	6850	36010	20800	27100	18180	8910	7130	37420	21610	28160	18890	9260	7410
		W	3820	1320	2880	1930	950	760	3630	1250	2730	1830	900	720	3440	1180	2580	1730	850	680
60	15.6	Q(Btu/h)	32720	18900	24620	16520	8100	6480	34140	19720	25690	17240	8450	6760	35560	20540	26760	17960	8800	7040
		W	3790	1310	2840	1910	940	750	3600	1240	2700	1810	890	710	3410	1170	2560	1710	840	670
55	12.8	Q(Btu/h)	30830	17810	23200	15560	7630	6100	32270	18640	24280	16290	7990	6390	33710	19470	25360	17020	8350	6680
		W	3750	1290	2820	1900	930	740	3560	1220	2680	1800	880	700	3370	1150	2540	1700	830	660
50	10.0	Q(Btu/h)	28940	16710	21780	14610	7170	5730	30400	17560	22880	15350	7530	6020	31860	18410	23980	16090	7890	6310
		W	3690	1260	2770	1850	910	730	3500	1200	2630	1760	860	690	3310	1140	2490	1670	810	650
45	7.2	Q(Btu/h)	27050	15630	20360	13660	6690	5360	28530	16480	21470	14410	7060	5650	30010	17330	22580	15160	7430	5940
		W	3610	1240	2720	1820	900	720	3430	1180	2580	1730	850	680	3250	1120	2440	1640	800	640
43	6.1	Q(Btu/h)	26230	15150	19740	13250	6500	5200	27700	16000	20850	13990	6860	5490	29170	16850	21960	14730	7220	5780
		W	3540	1220	2670	1790	870	700	3360	1155	2530	1700	830	660	3180	1090	2390	1610	790	620
40	4.4	Q(Btu/h)	24670	14480	18570	12450	6100	4880	26110	15320	19650	13180	6460	5170	27550	16160	20730	13910	6820	5460
		W	3460	1200	2600	1750	850	680	3280	1140	2470	1660	810	650	3100	1080	2340	1570	770	620
35	1.7	Q(Btu/h)	23070	13330	17360	11640	5700	4570	24510	14160	18440	12370	6060	4850	25950	14990	19520	13100	6420	5130
		W	3360	1160	2520	1700	830	660	3190	1100	2390	1610	790	630	3020	1040	2260	1520	750	600
30	-1.1	Q(Btu/h)	22860	12260	17210	11550	5660	4530	24380	13080	18350	12320	6040	4830	25900	13900	19490	13090	6420	5130
		W	3290	1110	2480	1660	820	650	3120	1050	2350	1580	780	620	2950	990	2220	1500	740	590
25	-3.9	Q(Btu/h)	22630	11200	17030	11430	5610	4490	24250	12000	18250	12250	6010	4810	25870	12800	19470	13070	6410	5130
		W	3210	1040	2420	1630	800	640	3050	990	2300	1550	760	610	2890	940	2180	1470	720	580
20	-6.7	Q(Btu/h)	21780	10120	16380	11000	5390	4310	23490	10920	17670	11860	5810	4650	25200	11720	18960	12720	6230	4990
		W	3230	960	2440	1640	800	640	3070	910	2320	1560	760	610	2910	860	2200	1480	720	580
15	-9.4	Q(Btu/h)	20880	9040	15710	10550	5170	4130	22730	9840	17100	11480	5630	4500	24580	10640	18490	12410	6090	4870
		W	3260	870	2440	1640	800	640	3090	830	2320	1560	760	610	2920	790	2200	1480	720	580
10	-12.2	Q(Btu/h)	19090	7910	14380	9640	4730	3780	21050	8720	15850	10630	5210	4170	23010	9530	17320	11620	5690	4560
		W	3000	780	2270	1530	750	600	2850	740	2150	1450	710	570	2700	700	2030	1370	670	540
5	-15.0	Q(Btu/h)	17240	6770	12970	8700	4270	3410	19360	7600	14560	9770	4790	3830	21480	8430	16150	10840	5310	4250
		W	2750	680	2060	1380	670	540	2610	650	1960	1310	640	510	2470	620	1860	1240	610	480
0	-17.8	Q(Btu/h)	15350	6400	11540	7750	3800	3040	17680	7370	13300	8930	4380	3500	20010	8340	15060	10110	4960	3960
		W	2600	900	1960	1320	640	520	2470	850	1860	1250	610	490	2340	800	1760	1180	580	460
-4	-20.0	Q(Btu/h)	13510	6020	10180	6820	3340	2680	16000	7130	12050	8080	3960	3170	18490	8240	13920	9340	4580	3660
		W	2450	1100	1840	1230	610	480	2330	1040	1750	1170	580	460	2210	980	1660	1110	550	440
-10	-23.3	Q(Btu/h)	12120	5410	9120	6120	3000	2400	15200	6780	11440	7680	3760	3010	18280	8150	13760	9240	4520	3620
		W	2340	1040	1760	1180	580	460	2220	990	1670	1120	550	440	2100	940	1580	1060	520	420
-13	-25.0	Q(Btu/h)	11060	4930	8320	5580	2730	2190	14400	6420	10830	7270	3560	2850	17740	7910	13340	8960	4390	3510
		W	2210	990	1660	1120	550	440	2100	940	1580	1060	520	420	1990	890	1500	1000	490	400

* Above data is for heating operation without any frost.

MSZ-FS15NA
MUZ-FS15NAH
1) COOLING

Rated
Q(Btu/h): 14000
W: 1000

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
115	46.1	Q(Btu/h)	17160	12880	12930	8680	4230	5820	16250	11970	12240	8220	4000	5510	15270	10920	11510	7730	3760	5180
		W	2360	1150	1770	1210	610	490	2230	1110	1680	1140	560	460	2120	1060	1600	1090	550	450
110	43.3	Q(Btu/h)	17910	13440	13500	9090	4430	6080	16960	12500	12780	8600	4190	5760	15940	11450	12020	8080	3940	5410
		W	2310	1130	1730	1150	590	480	2180	1090	1640	1090	540	450	2080	1040	1560	1040	530	440
105	40.6	Q(Btu/h)	18660	14000	14060	9440	4610	6340	17670	13020	13310	8940	4360	6000	16600	11970	12520	8400	4100	5640
		W	2260	1110	1700	1150	590	460	2130	1060	1610	1090	540	430	2030	1020	1530	1040	530	420
100	37.8	Q(Btu/h)	19370	14530	14590	9800	4790	6580	18340	13510	13810	9280	4530	6230	17230	12570	12990	8720	4260	5860
		W	2190	1080	1650	1110	560	440	2070	1030	1560	1050	510	420	1970	990	1490	1000	500	410
95	35.0	Q(Btu/h)	20070	15050	15130	10170	4960	6810	19000	14000	14320	9630	4690	6450	17850	13160	13470	9050	4410	6060
		W	2130	1050	1590	1080	550	430	2010	1000	1510	1020	500	410	1910	960	1440	970	490	400
90	32.2	Q(Btu/h)	20870	15540	15730	10570	5160	7090	19760	14560	14890	10010	4880	6710	18570	13650	14000	9410	4580	6310
		W	2050	1020	1540	1040	530	420	1940	970	1460	980	480	400	1850	930	1390	930	470	390
85	29.4	Q(Btu/h)	21670	16030	16340	10980	5350	7360	20520	15120	15460	10390	5060	6970	19280	14140	14540	9770	4750	6550
		W	1970	980	1480	1010	500	400	1860	930	1400	950	460	380	1770	890	1330	910	450	370
80	26.7	Q(Btu/h)	22480	16590	16940	11390	5550	7640	21280	15680	16030	10780	5250	7230	20000	14700	15070	10130	4930	6800
		W	1890	940	1410	950	480	380	1780	890	1340	900	440	360	1700	850	1280	860	430	350
75	23.9	Q(Btu/h)	23280	17150	17540	11800	5750	7900	22040	16240	16600	11170	5440	7480	20710	15260	15610	10500	5110	7030
		W	1790	890	1340	910	450	360	1690	840	1270	860	410	340	1610	800	1210	820	400	330
70	21.1	Q(Btu/h)	24080	17740	18140	12200	5950	8170	22800	16800	17170	11550	5630	7740	21420	15790	16150	10860	5290	7270
		W	1690	850	1270	860	430	350	1600	800	1200	810	390	330	1520	760	1140	770	380	320
65	18.3	Q(Btu/h)	20570	15150	15510	10430	5080	5340	19480	14350	14680	9870	4810	5060	18300	13490	13810	9280	4520	4750
		W	1590	800	1200	800	410	410	1510	750	1130	750	370	390	1430	710	1070	710	360	380
60	15.6	Q(Btu/h)	20570	15150	15510	10430	5080	5340	19480	14350	14680	9870	4810	5060	18300	13490	13810	9280	4520	4750
		W	1590	800	1200	800	410	410	1510	750	1130	750	370	390	1430	710	1070	710	360	380
55	12.8	Q(Btu/h)	20570	15150	15510	10430	5080	5340	19480	14350	14680	9870	4810	5060	18300	13490	13810	9280	4520	4750
		W	1590	800	1200	800	410	410	1510	750	1130	750	370	390	1430	710	1070	710	360	380
50	10.0	Q(Btu/h)	20570	15150	15510	10430	5080	5340	19480	14350	14680	9870	4810	5060	18300	13490	13810	9280	4520	4750
		W	1590	800	1200	800	410	410	1510	750	1130	750	370	390	1430	710	1070	710	360	380
45	7.2	Q(Btu/h)	20570	15150	15510	10430	5080	5340	19480	14350	14680	9870	4810	5060	18300	13490	13810	9280	4520	4750
		W	1590	800	1200	800	410	410	1510	750	1130	750	370	390	1430	710	1070	710	360	380
40	4.4	Q(Btu/h)	20570	15150	15510	10430	5080	5340	19480	14350	14680	9870	4810	5060	18300	13490	13810	9280	4520	4750
		W	1590	800	1200	800	410	410	1510	750	1130	750	370	390	1430	710	1070	710	360	380
35	1.7	Q(Btu/h)	20570	15150	15510	10430	5080	5340	19480	14350	14680	9870	4810	5060	18300	13490	13810	9280	4520	4750
		W	1590	800	1200	800	410	410	1510	750	1130	750	370	390	1430	710	1070	710	360	380
30	-1.1	Q(Btu/h)	20570	15150	15510	10430	5080	5340	19480	14350	14680	9870	4810	5060	18300	13490	13810	9280	4520	4750
		W	1590	800	1200	800	410	410	1510	750	1130	750	370	390	1430	710	1070	710	360	380
25	-3.9	Q(Btu/h)	20570	15150	15510	10430	5080	5340	19480	14350	14680	9870	4810	5060	18300	13490	13810	9280	4520	4750
		W	1590	800	1200	800	410	410	1510	750	1130	750	370	390	1430	710	1070	710	360	380
20	-6.7	Q(Btu/h)	20570	15150	15510	10430	5080	5340	19480	14350	14680	9870	4810	5060	18300	13490	13810	9280	4520	4750
		W	1590	800	1200	800	410	410	1510	750	1130	750	370	390	1430	710	1070	710	360	380
15	-9.4	Q(Btu/h)	20570	15150	15510	10430	5080	5340	19480	14350	14680	9870	4810	5060	18300	13490	13810	9280	4520	4750
		W	1590	800	1200	800	410	410	1510	750	1130	750	370	390	1430	710	1070	710	360	380

* It may not reach the above capacities in low ambient temperatures.

MSZ-FS15NA
MUZ-FS15NAH
2) HEATING

Rated
Q(Btu/h): 16000
W: 1155

Indoor D.B.			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
65	18.3	Q(Btu/h)	34600	19990	26040	17470	8560	6850	36010	20800	27100	18180	8910	7130	37420	21610	28160	18890	9260	7410
		W	3820	1320	2880	1930	950	760	3630	1250	2730	1830	900	720	3440	1180	2580	1730	850	680
60	15.6	Q(Btu/h)	32720	18900	24620	16520	8100	6480	34140	19720	25690	17240	8450	6760	35560	20540	26760	17960	8800	7040
		W	3790	1310	2840	1910	940	750	3600	1240	2700	1810	890	710	3410	1170	2560	1710	840	670
55	12.8	Q(Btu/h)	30830	17810	23200	15560	7630	6100	32270	18640	24280	16290	7990	6390	33710	19470	25360	17020	8350	6680
		W	3750	1290	2820	1900	930	740	3560	1220	2680	1800	880	700	3370	1150	2540	1700	830	660
50	10.0	Q(Btu/h)	28940	16710	21780	14610	7170	5730	30400	17560	22880	15350	7530	6020	31860	18410	23980	16090	7890	6310
		W	3690	1260	2770	1850	910	730	3500	1200	2630	1760	860	690	3310	1140	2490	1670	810	650
45	7.2	Q(Btu/h)	27050	15630	20360	13660	6690	5360	28530	16480	21470	14410	7060	5650	30010	17330	22580	15160	7430	5940
		W	3610	1240	2720	1820	900	720	3430	1180	2580	1730	850	680	3250	1120	2440	1640	800	640
43	6.1	Q(Btu/h)	26230	15150	19740	13250	6500	5200	27700	16000	20850	13990	6860	5490	29170	16850	21960	14730	7220	5780
		W	3540	1220	2670	1790	870	700	3360	1155	2530	1700	830	660	3180	1090	2390	1610	790	620
40	4.4	Q(Btu/h)	24670	14480	18570	12450	6100	4880	26110	15320	19650	13180	6460	5170	27550	16160	20730	13910	6820	5460
		W	3460	1200	2600	1750	850	680	3280	1140	2470	1660	810	650	3100	1080	2340	1570	770	620
35	1.7	Q(Btu/h)	23070	13330	17360	11640	5700	4570	24510	14160	18440	12370	6060	4850	25950	14990	19520	13100	6420	5130
		W	3360	1160	2520	1700	830	660	3190	1100	2390	1610	790	630	3020	1040	2260	1520	750	600
30	-1.1	Q(Btu/h)	22860	12260	17210	11550	5660	4530	24380	13080	18350	12320	6040	4830	25900	13900	19490	13090	6420	5130
		W	3410	1230	2600	1780	940	770	3240	1170	2470	1700	900	740	3070	1110	2340	1620	860	710
25	-3.9	Q(Btu/h)	22630	11200	17030	11430	5610	4490	24250	12000	18250	12250	6010	4810	25870	12800	19470	13070	6410	5130
		W	3330	1160	2540	1750	920	760	3170	1110	2420	1670	880	730	3010	1060	2300	1590	840	700
20	-6.7	Q(Btu/h)	21780	10120	16380	11000	5390	4310	23490	10920	17670	11860	5810	4650	25200	11720	18960	12720	6230	4990
		W	3350	1080	2560	1760	920	760	3190	1030	2440	1680	880	730	3030	980	2320	1600	840	700
15	-9.4	Q(Btu/h)	20880	9040	15710	10550	5170	4130	22730	9840	17100	11480	5630	4500	24580	10640	18490	12410	6090	4870
		W	3380	990	2560	1760	920	760	3210	950	2440	1680	880	730	3040	910	2320	1600	840	700
10	-12.2	Q(Btu/h)	19090	7910	14380	9640	4730	3780	21050	8720	15850	10630	5210	4170	23010	9530	17320	11620	5690	4560
		W	3120	900	2390	1650	870	720	2970	860	2270	1570	830	690	2820	820	2150	1490	790	660
5	-15.0	Q(Btu/h)	17240	6770	12970	8700	4270	3410	19360	7600	14560	9770	4790	3830	21480	8430	16150	10840	5310	4250
		W	2870	800	2180	1500	790	660	2730	770	2080	1430	760	630	2590	740	1980	1360	730	600
0	-17.8	Q(Btu/h)	15350	6400	11540	7750	3800	3040	17680	7370	13300	8930	4380	3500	20010	8340	15060	10110	4960	3960
		W	2720	1020	2080	1440	760	640	2590	970	1980	1370	730	610	2460	920	1880	1300	700	580
-4	-20.0	Q(Btu/h)	13510	6020	10180	6820	3340	2680	16000	7130	12050	8080	3960	3170	18490	8240	13920	9340	4580	3660
		W	2570	1220	1960	1350	730	600	2450	1160	1870	1290	700	580	2330	1100	1780	1230	670	560
-10	-23.3	Q(Btu/h)	12120	5410	9120	6120	3000	2400	15200	6780	11440	7680	3760	3010	18280	8150	13760	9240	4520	3620
		W	2460	1160	1880	1300	700	580	2340	1110	1790	1240	670	560	2220	1060	1700	1180	640	540
-13	-25.0	Q(Btu/h)	11060	4930	8320	5580	2730	2190	14400	6420	10830	7270	3560	2850	17740	7910	13340	8960	4390	3510
		W	2330	1110	1780	1240	670	560	2220	1060	1700	1180	640	540	2110	1010	1620	1120	610	520

* Above data is for heating operation without any frost.

MSZ-FS18NA
MUZ-FS18NA
1) COOLING

Rated
Q(Btu/h): 17200
W: 1375

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
115	46.1	Q(Btu/h)	18970	15820	14280	9590	4680	5820	17960	14710	13520	9090	4440	5510	16880	13420	12700	8540	4170	5180
		W	2620	1580	1970	1330	650	490	2460	1530	1850	1250	610	460	2350	1460	1770	1200	580	450
110	43.3	Q(Btu/h)	19800	16510	14910	10010	4890	6080	18750	15360	14120	9490	4640	5760	17620	14070	13270	8910	4360	5410
		W	2570	1550	1930	1300	630	480	2410	1500	1810	1220	590	450	2310	1430	1730	1170	560	440
105	40.6	Q(Btu/h)	20630	17200	15530	10410	5070	6340	19530	16000	14700	9870	4810	6000	18350	14710	13810	9270	4510	5640
		W	2500	1520	1880	1270	620	460	2350	1460	1770	1190	580	430	2250	1400	1690	1140	550	420
100	37.8	Q(Btu/h)	21410	17850	16120	10820	5270	6580	20270	16600	15260	10250	5000	6230	19050	15440	14340	9630	4690	5860
		W	2440	1480	1830	1230	610	440	2290	1420	1720	1160	570	420	2190	1360	1650	1110	550	410
95	35.0	Q(Btu/h)	22180	18490	16700	11210	5470	6810	21000	17200	15810	10620	5190	6450	19730	16170	14850	9970	4870	6060
		W	2360	1440	1780	1190	590	430	2220	1375	1670	1120	550	410	2120	1310	1600	1070	530	400
90	32.2	Q(Btu/h)	23070	19090	17360	11660	5700	7090	21840	17890	16440	11050	5400	6710	20520	16770	15440	10380	5070	6310
		W	2280	1390	1710	1150	560	420	2140	1320	1610	1080	530	400	2050	1270	1540	1030	510	390
85	29.4	Q(Btu/h)	23960	19690	18040	12110	5920	7360	22680	18580	17080	11480	5610	6970	21310	17370	16050	10780	5270	6550
		W	2180	1340	1650	1110	540	400	2050	1270	1550	1040	510	380	1960	1220	1480	1000	490	370
80	26.7	Q(Btu/h)	24840	20380	18700	12570	6140	7640	23520	19270	17710	11910	5820	7230	22100	18060	16640	11190	5460	6800
		W	2090	1280	1580	1050	510	380	1960	1220	1480	990	480	360	1880	1160	1420	950	460	350
75	23.9	Q(Btu/h)	25730	21070	19370	13010	6360	7900	24360	19950	18340	12330	6030	7480	22890	18750	17230	11580	5660	7030
		W	1980	1220	1490	1000	490	360	1860	1160	1400	940	460	340	1780	1100	1340	900	440	330
70	21.1	Q(Btu/h)	26620	21800	20050	13450	6570	8170	25200	20640	18980	12750	6230	7740	23680	19400	17830	11970	5850	7270
		W	1880	1160	1420	950	470	350	1770	1100	1330	890	440	330	1690	1040	1270	850	420	320
65	18.3	Q(Btu/h)	22740	18620	17120	11480	5600	5340	21530	17630	16210	10880	5310	5060	20230	16570	15230	10210	4990	4750
		W	1760	1090	1330	890	430	400	1660	1030	1250	830	400	380	1580	970	1190	790	380	370
60	15.6	Q(Btu/h)	22740	18620	17120	11480	5600	5340	21530	17630	16210	10880	5310	5060	20230	16570	15230	10210	4990	4750
		W	1760	1090	1330	890	430	400	1660	1030	1250	830	400	380	1580	970	1190	790	380	370
55	12.8	Q(Btu/h)	22740	18620	17120	11480	5600	5340	21530	17630	16210	10880	5310	5060	20230	16570	15230	10210	4990	4750
		W	1760	1090	1330	890	430	400	1660	1030	1250	830	400	380	1580	970	1190	790	380	370
50	10.0	Q(Btu/h)	22740	18620	17120	11480	5600	5340	21530	17630	16210	10880	5310	5060	20230	16570	15230	10210	4990	4750
		W	1760	1090	1330	890	430	400	1660	1030	1250	830	400	380	1580	970	1190	790	380	370
45	7.2	Q(Btu/h)	22740	18620	17120	11480	5600	5340	21530	17630	16210	10880	5310	5060	20230	16570	15230	10210	4990	4750
		W	1760	1090	1330	890	430	400	1660	1030	1250	830	400	380	1580	970	1190	790	380	370
40	4.4	Q(Btu/h)	22740	18620	17120	11480	5600	5340	21530	17630	16210	10880	5310	5060	20230	16570	15230	10210	4990	4750
		W	1760	1090	1330	890	430	400	1660	1030	1250	830	400	380	1580	970	1190	790	380	370
35	1.7	Q(Btu/h)	22740	18620	17120	11480	5600	5340	21530	17630	16210	10880	5310	5060	20230	16570	15230	10210	4990	4750
		W	1760	1090	1330	890	430	400	1660	1030	1250	830	400	380	1580	970	1190	790	380	370
30	-1.1	Q(Btu/h)	22740	18620	17120	11480	5600	5340	21530	17630	16210	10880	5310	5060	20230	16570	15230	10210	4990	4750
		W	1760	1090	1330	890	430	400	1660	1030	1250	830	400	380	1580	970	1190	790	380	370
25	-3.9	Q(Btu/h)	22740	18620	17120	11480	5600	5340	21530	17630	16210	10880	5310	5060	20230	16570	15230	10210	4990	4750
		W	1760	1090	1330	890	430	400	1660	1030	1250	830	400	380	1580	970	1190	790	380	370
20	-6.7	Q(Btu/h)	22740	18620	17120	11480	5600	5340	21530	17630	16210	10880	5310	5060	20230	16570	15230	10210	4990	4750
		W	1760	1090	1330	890	430	400	1660	1030	1250	830	400	380	1580	970	1190	790	380	370
15	-9.4	Q(Btu/h)	22740	18620	17120	11480	5600	5340	21530	17630	16210	10880	5310	5060	20230	16570	15230	10210	4990	4750
		W	1760	1090	1330	890	430	400	1660	1030	1250	830	400	380	1580	970	1190	790	380	370

* It may not reach the above capacities in low ambient temperatures.

MSZ-FS18NA
MUZ-FS18NA
2) HEATING

Rated
Q(Btu/h): 19000
W: 1610

Indoor D.B.			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
65	18.3	Q(Btu/h)	41220	23730	31000	20780	10220	6810	42900	24700	32260	21630	10640	7090	44580	25670	33520	22480	11060	7370
		W	4550	1830	3420	2300	1140	760	4320	1740	3250	2180	1080	720	4090	1650	3080	2060	1020	680
60	15.6	Q(Btu/h)	38990	22450	29330	19660	9670	6450	40680	23420	30600	20510	10090	6730	42370	24390	31870	21360	10510	7010
		W	4510	1820	3400	2280	1120	750	4280	1730	3230	2160	1060	710	4050	1640	3060	2040	1000	670
55	12.8	Q(Btu/h)	36730	21150	27630	18520	9110	6080	38450	22140	28920	19390	9540	6360	40170	23130	30210	20260	9970	6640
		W	4470	1800	3360	2250	1110	740	4240	1710	3190	2140	1050	700	4010	1620	3020	2030	990	660
50	10.0	Q(Btu/h)	34480	19860	25930	17380	8550	5700	36220	20860	27240	18260	8980	5990	37960	21860	28550	19140	9410	6280
		W	4380	1770	3300	2210	1090	730	4160	1680	3130	2100	1030	690	3940	1590	2960	1990	970	650
45	7.2	Q(Btu/h)	32230	18560	24240	16240	7990	5330	33990	19570	25560	17130	8430	5620	35750	20580	26880	18020	8870	5910
		W	4300	1730	3230	2170	1060	710	4080	1640	3070	2060	1010	670	3860	1550	2910	1950	960	630
43	6.1	Q(Btu/h)	31250	17990	23500	15760	7750	5160	33000	19000	24820	16640	8180	5450	34750	20010	26140	17520	8610	5740
		W	4210	1700	3160	2120	1040	700	4000	1610	3000	2010	990	660	3790	1520	2840	1900	940	620
40	4.4	Q(Btu/h)	29390	17200	22110	14820	7280	4860	31110	18200	23400	15680	7710	5140	32830	19200	24690	16540	8140	5420
		W	4110	1680	3090	2060	1010	670	3900	1590	2930	1960	960	640	3690	1500	2770	1860	910	610
35	1.7	Q(Btu/h)	27500	15830	20670	13860	6820	4550	29210	16820	21960	14720	7240	4830	30920	17810	23250	15580	7660	5110
		W	4000	1610	3000	2010	990	660	3800	1530	2850	1910	940	630	3600	1450	2700	1810	890	600
30	-1.1	Q(Btu/h)	27200	14570	20450	13710	6740	4490	29010	15540	21810	14620	7190	4790	30820	16510	23170	15530	7640	5090
		W	3930	1540	2960	1980	980	650	3730	1460	2810	1880	930	620	3530	1380	2660	1780	880	590
25	-3.9	Q(Btu/h)	26870	13300	20200	13540	6660	4440	28800	14250	21650	14510	7140	4760	30730	15200	23100	15480	7620	5080
		W	3850	1450	2900	1950	960	640	3650	1380	2750	1850	910	610	3450	1310	2600	1750	860	580
20	-6.7	Q(Btu/h)	25870	12020	19450	13040	6410	4270	27900	12970	20980	14060	6910	4610	29930	13920	22510	15080	7410	4950
		W	3880	1340	2920	1960	960	640	3680	1270	2770	1860	910	610	3480	1200	2620	1760	860	580
15	-9.4	Q(Btu/h)	24810	10740	18650	12500	6150	4100	27000	11690	20300	13600	6690	4460	29190	12640	21950	14700	7230	4820
		W	3900	1220	2930	1960	960	640	3700	1160	2780	1860	910	610	3500	1100	2630	1760	860	580
10	-12.2	Q(Btu/h)	22680	9400	17050	11430	5610	3750	25000	10360	18800	12600	6190	4130	27320	11320	20550	13770	6770	4510
		W	3600	1100	2710	1810	880	590	3420	1040	2570	1720	840	560	3240	980	2430	1630	800	530
5	-15.0	Q(Btu/h)	20480	8040	15410	10330	5090	3390	23000	9030	17300	11600	5710	3810	25520	10020	19190	12870	6330	4230
		W	3300	960	2480	1660	820	550	3130	910	2350	1580	780	520	2960	860	2220	1500	740	490
0	-17.8	Q(Btu/h)	18230	7870	13720	9190	4520	3010	21000	9070	15800	10590	5210	3470	23770	10270	17880	11990	5900	3930
		W	3120	1190	2350	1580	780	520	2960	1130	2230	1500	740	490	2800	1070	2110	1420	700	460
-4	-20.0	Q(Btu/h)	16040	7690	12080	8090	3980	2650	19000	9110	14300	9580	4710	3140	21960	10530	16520	11070	5440	3630
		W	2940	1410	2200	1470	730	480	2790	1340	2090	1400	690	460	2640	1270	1980	1330	650	440
-10	-23.3	Q(Btu/h)	14400	6910	10820	7260	3570	2380	18050	8660	13570	9100	4480	2990	21700	10410	16320	10940	5390	3600
		W	2790	1340	2110	1410	700	460	2650	1270	2000	1340	660	440	2510	1200	1890	1270	620	420
-13	-25.0	Q(Btu/h)	13130	6300	9870	6620	3260	2170	17100	8200	12850	8620	4240	2830	21070	10100	15830	10620	5220	3490
		W	2640	1260	1990	1340	660	440	2510	1200	1890	1270	630	420	2380	1140	1790	1200	600	400

* Above data is for heating operation without any frost.

MSZ-FS18NA
MUZ-FS18NAH
1) COOLING

Rated
Q(Btu/h): 17200
W: 1375

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
115	46.1	Q(Btu/h)	18970	15820	14280	9590	4680	5820	17960	14710	13520	9090	4440	5510	16880	13420	12700	8540	4170	5180
		W	2620	1580	1970	1330	650	490	2460	1530	1850	1250	610	460	2350	1460	1770	1200	580	450
110	43.3	Q(Btu/h)	19800	16510	14910	10010	4890	6080	18750	15360	14120	9490	4640	5760	17620	14070	13270	8910	4360	5410
		W	2570	1550	1930	1300	630	480	2410	1500	1810	1220	590	450	2310	1430	1730	1170	560	440
105	40.6	Q(Btu/h)	20630	17200	15530	10410	5070	6340	19530	16000	14700	9870	4810	6000	18350	14710	13810	9270	4510	5640
		W	2500	1520	1880	1270	620	460	2350	1460	1770	1190	580	430	2250	1400	1690	1140	550	420
100	37.8	Q(Btu/h)	21410	17850	16120	10820	5270	6580	20270	16600	15260	10250	5000	6230	19050	15440	14340	9630	4690	5860
		W	2440	1480	1830	1230	610	440	2290	1420	1720	1160	570	420	2190	1360	1650	1110	550	410
95	35.0	Q(Btu/h)	22180	18490	16700	11210	5470	6810	21000	17200	15810	10620	5190	6450	19730	16170	14850	9970	4870	6060
		W	2360	1440	1780	1190	590	430	2220	1375	1670	1120	550	410	2120	1310	1600	1070	530	400
90	32.2	Q(Btu/h)	23070	19090	17360	11660	5700	7090	21840	17890	16440	11050	5400	6710	20520	16770	15440	10380	5070	6310
		W	2280	1390	1710	1150	560	420	2140	1320	1610	1080	530	400	2050	1270	1540	1030	510	390
85	29.4	Q(Btu/h)	23960	19690	18040	12110	5920	7360	22680	18580	17080	11480	5610	6970	21310	17370	16050	10780	5270	6550
		W	2180	1340	1650	1110	540	400	2050	1270	1550	1040	510	380	1960	1220	1480	1000	490	370
80	26.7	Q(Btu/h)	24840	20380	18700	12570	6140	7640	23520	19270	17710	11910	5820	7230	22100	18060	16640	11190	5460	6800
		W	2090	1280	1580	1050	510	380	1960	1220	1480	990	480	360	1880	1160	1420	950	460	350
75	23.9	Q(Btu/h)	25730	21070	19370	13010	6360	7900	24360	19950	18340	12330	6030	7480	22890	18750	17230	11580	5660	7030
		W	1980	1220	1490	1000	490	360	1860	1160	1400	940	460	340	1780	1100	1340	900	440	330
70	21.1	Q(Btu/h)	26620	21800	20050	13450	6570	8170	25200	20640	18980	12750	6230	7740	23680	19400	17830	11970	5850	7270
		W	1880	1160	1420	950	470	350	1770	1100	1330	890	440	330	1690	1040	1270	850	420	320
65	18.3	Q(Btu/h)	22740	18620	17120	11480	5600	5340	21530	17630	16210	10880	5310	5060	20230	16570	15230	10210	4990	4750
		W	1760	1090	1330	890	430	400	1660	1030	1250	830	400	380	1580	970	1190	790	380	370
60	15.6	Q(Btu/h)	22740	18620	17120	11480	5600	5340	21530	17630	16210	10880	5310	5060	20230	16570	15230	10210	4990	4750
		W	1760	1090	1330	890	430	400	1660	1030	1250	830	400	380	1580	970	1190	790	380	370
55	12.8	Q(Btu/h)	22740	18620	17120	11480	5600	5340	21530	17630	16210	10880	5310	5060	20230	16570	15230	10210	4990	4750
		W	1760	1090	1330	890	430	400	1660	1030	1250	830	400	380	1580	970	1190	790	380	370
50	10.0	Q(Btu/h)	22740	18620	17120	11480	5600	5340	21530	17630	16210	10880	5310	5060	20230	16570	15230	10210	4990	4750
		W	1760	1090	1330	890	430	400	1660	1030	1250	830	400	380	1580	970	1190	790	380	370
45	7.2	Q(Btu/h)	22740	18620	17120	11480	5600	5340	21530	17630	16210	10880	5310	5060	20230	16570	15230	10210	4990	4750
		W	1760	1090	1330	890	430	400	1660	1030	1250	830	400	380	1580	970	1190	790	380	370
40	4.4	Q(Btu/h)	22740	18620	17120	11480	5600	5340	21530	17630	16210	10880	5310	5060	20230	16570	15230	10210	4990	4750
		W	1760	1090	1330	890	430	400	1660	1030	1250	830	400	380	1580	970	1190	790	380	370
35	1.7	Q(Btu/h)	22740	18620	17120	11480	5600	5340	21530	17630	16210	10880	5310	5060	20230	16570	15230	10210	4990	4750
		W	1760	1090	1330	890	430	400	1660	1030	1250	830	400	380	1580	970	1190	790	380	370
30	-1.1	Q(Btu/h)	22740	18620	17120	11480	5600	5340	21530	17630	16210	10880	5310	5060	20230	16570	15230	10210	4990	4750
		W	1760	1090	1330	890	430	400	1660	1030	1250	830	400	380	1580	970	1190	790	380	370
25	-3.9	Q(Btu/h)	22740	18620	17120	11480	5600	5340	21530	17630	16210	10880	5310	5060	20230	16570	15230	10210	4990	4750
		W	1760	1090	1330	890	430	400	1660	1030	1250	830	400	380	1580	970	1190	790	380	370
20	-6.7	Q(Btu/h)	22740	18620	17120	11480	5600	5340	21530	17630	16210	10880	5310	5060	20230	16570	15230	10210	4990	4750
		W	1760	1090	1330	890	430	400	1660	1030	1250	830	400	380	1580	970	1190	790	380	370
15	-9.4	Q(Btu/h)	22740	18620	17120	11480	5600	5340	21530	17630	16210	10880	5310	5060	20230	16570	15230	10210	4990	4750
		W	1760	1090	1330	890	430	400	1660	1030	1250	830	400	380	1580	970	1190	790	380	370

* It may not reach the above capacities in low ambient temperatures.

MSZ-FS18NA
MUZ-FS18NAH
2) HEATING

Rated
Q(Btu/h): 19000
W: 1610

Indoor D.B. / Outdoor W.B. (°F)	(°C)		78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
65	18.3	Q(Btu/h)	41220	23730	31000	20780	10220	6810	42900	24700	32260	21630	10640	7090	44580	25670	33520	22480	11060	7370
		W	4550	1830	3420	2300	1140	760	4320	1740	3250	2180	1080	720	4090	1650	3080	2060	1020	680
60	15.6	Q(Btu/h)	38990	22450	29330	19660	9670	6450	40680	23420	30600	20510	10090	6730	42370	24390	31870	21360	10510	7010
		W	4510	1820	3400	2280	1120	750	4280	1730	3230	2160	1060	710	4050	1640	3060	2040	1000	670
55	12.8	Q(Btu/h)	36730	21150	27630	18520	9110	6080	38450	22140	28920	19390	9540	6360	40170	23130	30210	20260	9970	6640
		W	4470	1800	3360	2250	1110	740	4240	1710	3190	2140	1050	700	4010	1620	3020	2030	990	660
50	10.0	Q(Btu/h)	34480	19860	25930	17380	8550	5700	36220	20860	27240	18260	8980	5990	37960	21860	28550	19140	9410	6280
		W	4380	1770	3300	2210	1090	730	4160	1680	3130	2100	1030	690	3940	1590	2960	1990	970	650
45	7.2	Q(Btu/h)	32230	18560	24240	16240	7990	5330	33990	19570	25560	17130	8430	5620	35750	20580	26880	18020	8870	5910
		W	4300	1730	3230	2170	1060	710	4080	1640	3070	2060	1010	670	3860	1550	2910	1950	960	630
43	6.1	Q(Btu/h)	31250	17990	23500	15760	7750	5160	33000	19000	24820	16640	8180	5450	34750	20010	26140	17520	8610	5740
		W	4210	1700	3160	2120	1040	700	4000	1610	3000	2010	990	660	3790	1520	2840	1900	940	620
40	4.4	Q(Btu/h)	29390	17200	22110	14820	7280	4860	31110	18200	23400	15680	7710	5140	32830	19200	24690	16540	8140	5420
		W	4110	1680	3090	2060	1010	670	3900	1590	2930	1960	960	640	3690	1500	2770	1860	910	610
35	1.7	Q(Btu/h)	27500	15830	20670	13860	6820	4550	29210	16820	21960	14720	7240	4830	30920	17810	23250	15580	7660	5110
		W	4000	1610	3000	2010	990	660	3800	1530	2850	1910	940	630	3600	1450	2700	1810	890	600
30	-1.1	Q(Btu/h)	27200	14570	20450	13710	6740	4490	29010	15540	21810	14620	7190	4790	30820	16510	23170	15530	7640	5090
		W	4050	1660	3080	2100	1100	770	3850	1580	2930	2000	1050	740	3650	1500	2780	1900	1000	710
25	-3.9	Q(Btu/h)	26870	13300	20200	13540	6660	4440	28800	14250	21650	14510	7140	4760	30730	15200	23100	15480	7620	5080
		W	3970	1570	3020	2070	1080	760	3770	1500	2870	1970	1030	730	3570	1430	2720	1870	980	700
20	-6.7	Q(Btu/h)	25870	12020	19450	13040	6410	4270	27900	12970	20980	14060	6910	4610	29930	13920	22510	15080	7410	4950
		W	4000	1460	3040	2080	1080	760	3800	1390	2890	1980	1030	730	3600	1320	2740	1880	980	700
15	-9.4	Q(Btu/h)	24810	10740	18650	12500	6150	4100	27000	11690	20300	13600	6690	4460	29190	12640	21950	14700	7230	4820
		W	4020	1340	3050	2080	1080	760	3820	1280	2900	1980	1030	730	3620	1220	2750	1880	980	700
10	-12.2	Q(Btu/h)	22680	9400	17050	11430	5610	3750	25000	10360	18800	12600	6190	4130	27320	11320	20550	13770	6770	4510
		W	3720	1220	2830	1930	1000	710	3540	1160	2690	1840	960	680	3360	1100	2550	1750	920	650
5	-15.0	Q(Btu/h)	20480	8040	15410	10330	5090	3390	23000	9030	17300	11600	5710	3810	25520	10020	19190	12870	6330	4230
		W	3420	1080	2600	1780	940	670	3250	1030	2470	1700	900	640	3080	980	2340	1620	860	610
0	-17.8	Q(Btu/h)	18230	7870	13720	9190	4520	3010	21000	9070	15800	10590	5210	3470	23770	10270	17880	11990	5900	3930
		W	3240	1310	2470	1700	900	640	3080	1250	2350	1620	860	610	2920	1190	2230	1540	820	580
-4	-20.0	Q(Btu/h)	16040	7690	12080	8090	3980	2650	19000	9110	14300	9580	4710	3140	21960	10530	16520	11070	5440	3630
		W	3060	1530	2320	1590	850	600	2910	1460	2210	1520	810	580	2760	1390	2100	1450	770	560
-10	-23.3	Q(Btu/h)	14400	6910	10820	7260	3570	2380	18050	8660	13570	9100	4480	2990	21700	10410	16320	10940	5390	3600
		W	2910	1460	2230	1530	820	580	2770	1390	2120	1460	780	560	2630	1320	2010	1390	740	540
-13	-25.0	Q(Btu/h)	13130	6300	9870	6620	3260	2170	17100	8200	12850	8620	4240	2830	21070	10100	15830	10620	5220	3490
		W	2760	1380	2110	1460	780	560	2630	1320	2010	1390	750	540	2500	1260	1910	1320	720	520

* Above data is for heating operation without any frost.

MSZ-GL09NA
MUZ-GL09NA
1) COOLING

Rated
Q(Btu/h): 9000
W: 585

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
115	46.1	Q(Btu/h)	11020	8280	8290	5570	-	3320	10430	7700	7850	5270	-	3140	9800	7020	7380	4960	-	2960
		W	1240	670	930	650	-	400	1170	650	880	600	-	360	1120	620	840	590	-	360
110	43.3	Q(Btu/h)	11510	8640	8660	5830	-	3470	10890	8040	8200	5510	-	3280	10240	7360	7710	5190	-	3090
		W	1200	660	910	630	-	390	1140	640	860	580	-	350	1090	610	820	570	-	350
105	40.6	Q(Btu/h)	11990	9000	9020	6060	-	3610	11350	8370	8540	5730	-	3410	10670	7700	8030	5390	-	3210
		W	1170	650	880	600	-	370	1110	620	830	550	-	330	1060	600	790	540	-	330
100	37.8	Q(Btu/h)	12450	9340	9370	6290	-	3750	11780	8690	8870	5950	-	3540	11070	8080	8340	5600	-	3330
		W	1140	630	870	600	-	370	1080	600	820	550	-	330	1030	580	780	540	-	330
95	35.0	Q(Btu/h)	12890	9680	9700	6520	-	3900	12200	9000	9180	6170	-	3680	11470	8460	8630	5810	-	3460
		W	1110	610	840	590	-	370	1050	585	790	540	-	330	1000	560	750	530	-	330
90	32.2	Q(Btu/h)	13410	10000	10090	6780	-	4040	12690	9360	9550	6410	-	3820	11930	8780	8980	6030	-	3600
		W	1070	590	810	550	-	330	1010	560	760	500	-	300	960	540	730	490	-	300
85	29.4	Q(Btu/h)	13930	10310	10480	7040	-	4200	13180	9720	9920	6660	-	3970	12390	9090	9320	6270	-	3740
		W	1030	570	770	550	-	330	970	540	730	500	-	300	930	520	700	490	-	300
80	26.7	Q(Btu/h)	14440	10670	10870	7320	-	4360	13670	10080	10290	6920	-	4120	12850	9450	9670	6510	-	3880
		W	980	550	740	510	-	310	930	520	700	470	-	280	890	500	670	460	-	280
75	23.9	Q(Btu/h)	14950	11030	11250	7560	-	4510	14150	10440	10650	7150	-	4260	13300	9810	10010	6730	-	4010
		W	930	520	700	480	-	290	880	490	660	440	-	260	840	470	630	430	-	260
70	21.1	Q(Btu/h)	15470	11410	11640	7810	-	4660	14640	10800	11020	7390	-	4400	13760	10150	10360	6960	-	4140
		W	890	500	670	470	-	290	840	470	630	430	-	260	800	450	600	420	-	260
65	18.3	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
60	15.6	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
55	12.8	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
50	10.0	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
45	7.2	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
40	4.4	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
35	1.7	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
30	-1.1	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
25	-3.9	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
20	-6.7	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
15	-9.4	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300

* It may not reach the above capacities in low ambient temperatures.

MSZ-GL09NA
MUZ-GL09NA
2) HEATING

Rated
Q(Btu/h): 10900
W: 720

Indoor D.B.			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
65	18.3	Q(Btu/h)	18260	13620	13740	9210	-	5210	19000	14170	14300	9590	-	5420	19740	14720	14860	9970	-	5630
		W	1640	820	1240	830	-	470	1560	780	1180	790	-	450	1480	740	1120	750	-	430
60	15.6	Q(Btu/h)	17350	12880	13050	8760	-	4960	18100	13440	13620	9140	-	5170	18850	14000	14190	9520	-	5380
		W	1580	810	1190	800	-	450	1500	770	1130	760	-	430	1420	730	1070	720	-	410
55	12.8	Q(Btu/h)	16430	12130	12360	8290	-	4700	17200	12700	12940	8680	-	4920	17970	13270	13520	9070	-	5140
		W	1520	800	1140	760	-	420	1440	760	1080	720	-	400	1360	720	1020	680	-	380
50	10.0	Q(Btu/h)	15800	11390	11890	7980	-	4510	16600	11970	12490	8380	-	4740	17400	12550	13090	8780	-	4970
		W	1450	790	1100	740	-	410	1380	750	1040	700	-	390	1310	710	980	660	-	370
45	7.2	Q(Btu/h)	15170	10650	11420	7660	-	4330	16000	11230	12040	8080	-	4570	16830	11810	12660	8500	-	4810
		W	1390	770	1040	700	-	390	1320	730	990	660	-	370	1250	690	940	620	-	350
43	6.1	Q(Btu/h)	15060	10320	11320	7600	-	4310	15900	10900	11960	8030	-	4550	16740	11480	12600	8460	-	4790
		W	1320	760	990	660	-	380	1250	720	940	630	-	360	1180	680	890	600	-	340
40	4.4	Q(Btu/h)	13890	9860	10450	7010	-	3970	14700	10440	11060	7420	-	4200	15510	11020	11670	7830	-	4430
		W	1300	750	970	640	-	370	1230	710	920	610	-	350	1160	670	870	580	-	330
35	1.7	Q(Btu/h)	12710	9080	9560	6410	-	3620	13500	9650	10160	6810	-	3850	14290	10220	10760	7210	-	4080
		W	1260	720	950	640	-	370	1200	680	900	610	-	350	1140	640	850	580	-	330
30	-1.1	Q(Btu/h)	11810	8360	8890	5960	-	3380	12600	8920	9480	6360	-	3600	13390	9480	10070	6760	-	3820
		W	1200	680	910	610	-	340	1140	650	860	580	-	320	1080	620	810	550	-	300
25	-3.9	Q(Btu/h)	10920	7630	8210	5510	-	3130	11700	8180	8800	5910	-	3350	12480	8730	9390	6310	-	3570
		W	1140	650	860	580	-	330	1080	620	820	550	-	310	1020	590	780	520	-	290
20	-6.7	Q(Btu/h)	10010	6900	7540	5050	-	2860	10800	7440	8130	5450	-	3080	11590	7980	8720	5850	-	3300
		W	1090	600	810	540	-	310	1030	570	770	510	-	290	970	540	730	480	-	270
15	-9.4	Q(Btu/h)	9100	6160	6850	4590	-	2600	9900	6700	7450	5000	-	2830	10700	7240	8050	5410	-	3060
		W	1020	550	770	520	-	290	970	520	730	490	-	280	920	490	690	460	-	270
10	-12.2	Q(Btu/h)	8120	5390	6100	4100	-	2320	8950	5940	6730	4520	-	2560	9780	6490	7360	4940	-	2800
		W	960	500	730	480	-	260	910	470	690	460	-	250	860	440	650	440	-	240
5	-15.0	Q(Btu/h)	7130	4610	5360	3600	-	2030	8000	5180	6020	4040	-	2280	8870	5750	6680	4480	-	2530
		W	900	430	670	450	-	250	850	410	640	430	-	240	800	390	610	410	-	230
0	-17.8	Q(Btu/h)	6250	3620	4700	3150	-	1780	7200	4170	5420	3630	-	2050	8150	4720	6140	4110	-	2320
		W	820	370	620	420	-	240	780	350	590	400	-	230	740	330	560	380	-	220
-4	-20.0	Q(Btu/h)	5400	2660	4070	2730	-	1540	6400	3150	4820	3230	-	1820	7400	3640	5570	3730	-	2100
		W	740	310	560	370	-	210	700	290	530	350	-	200	660	270	500	330	-	190

* Above data is for heating operation without any frost.

MSZ-GL09NA
MUZ-GL09NAH
1) COOLING

Rated
Q(Btu/h): 9000
W: 585

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Min.
(°F)	(°C)																			
115	46.1	Q(Btu/h)	11020	8280	8290	5570	-	3320	10430	7700	7850	5270	-	3140	9800	7020	7380	4960	-	2960
		W	1240	670	930	650	-	400	1170	650	880	600	-	360	1120	620	840	590	-	360
110	43.3	Q(Btu/h)	11510	8640	8660	5830	-	3470	10890	8040	8200	5510	-	3280	10240	7360	7710	5190	-	3090
		W	1200	660	910	630	-	390	1140	640	860	580	-	350	1090	610	820	570	-	350
105	40.6	Q(Btu/h)	11990	9000	9020	6060	-	3610	11350	8370	8540	5730	-	3410	10670	7700	8030	5390	-	3210
		W	1170	650	880	600	-	370	1110	620	830	550	-	330	1060	600	790	540	-	330
100	37.8	Q(Btu/h)	12450	9340	9370	6290	-	3750	11780	8690	8870	5950	-	3540	11070	8080	8340	5600	-	3330
		W	1140	630	870	600	-	370	1080	600	820	550	-	330	1030	580	780	540	-	330
95	35.0	Q(Btu/h)	12890	9680	9700	6520	-	3900	12200	9000	9180	6170	-	3680	11470	8460	8630	5810	-	3460
		W	1110	610	840	590	-	370	1050	585	790	540	-	330	1000	560	750	530	-	330
90	32.2	Q(Btu/h)	13410	10000	10090	6780	-	4040	12690	9360	9550	6410	-	3820	11930	8780	8980	6030	-	3600
		W	1070	590	810	550	-	330	1010	560	760	500	-	300	960	540	730	490	-	300
85	29.4	Q(Btu/h)	13930	10310	10480	7040	-	4200	13180	9720	9920	6660	-	3970	12390	9090	9320	6270	-	3740
		W	1030	570	770	550	-	330	970	540	730	500	-	300	930	520	700	490	-	300
80	26.7	Q(Btu/h)	14440	10670	10870	7320	-	4360	13670	10080	10290	6920	-	4120	12850	9450	9670	6510	-	3880
		W	980	550	740	510	-	310	930	520	700	470	-	280	890	500	670	460	-	280
75	23.9	Q(Btu/h)	14950	11030	11250	7560	-	4510	14150	10440	10650	7150	-	4260	13300	9810	10010	6730	-	4010
		W	930	520	700	480	-	290	880	490	660	440	-	260	840	470	630	430	-	260
70	21.1	Q(Btu/h)	15470	11410	11640	7810	-	4660	14640	10800	11020	7390	-	4400	13760	10150	10360	6960	-	4140
		W	890	500	670	470	-	290	840	470	630	430	-	260	800	450	600	420	-	260
65	18.3	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
60	15.6	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
55	12.8	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
50	10.0	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
45	7.2	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
40	4.4	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
35	1.7	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
30	-1.1	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
25	-3.9	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
20	-6.7	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
15	-9.4	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300

* It may not reach the above capacities in low ambient temperatures.

MSZ-GL09NA
MUZ-GL09NAH
2) HEATING

Rated
Q(Btu/h): 10900
W: 720

Indoor D.B.			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
Outdoor W.B.		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Min.
(°F)	(°C)																			
65	18.3	Q(Btu/h)	18260	13620	13740	9210	-	5210	19000	14170	14300	9590	-	5420	19740	14720	14860	9970	-	5630
		W	1640	820	1240	830	-	470	1560	780	1180	790	-	450	1480	740	1120	750	-	430
60	15.6	Q(Btu/h)	17350	12880	13050	8760	-	4960	18100	13440	13620	9140	-	5170	18850	14000	14190	9520	-	5380
		W	1580	810	1190	800	-	450	1500	770	1130	760	-	430	1420	730	1070	720	-	410
55	12.8	Q(Btu/h)	16430	12130	12360	8290	-	4700	17200	12700	12940	8680	-	4920	17970	13270	13520	9070	-	5140
		W	1520	800	1140	760	-	420	1440	760	1080	720	-	400	1360	720	1020	680	-	380
50	10.0	Q(Btu/h)	15800	11390	11890	7980	-	4510	16600	11970	12490	8380	-	4740	17400	12550	13090	8780	-	4970
		W	1450	790	1100	740	-	410	1380	750	1040	700	-	390	1310	710	980	660	-	370
45	7.2	Q(Btu/h)	15170	10650	11420	7660	-	4330	16000	11230	12040	8080	-	4570	16830	11810	12660	8500	-	4810
		W	1390	770	1040	700	-	390	1320	730	990	660	-	370	1250	690	940	620	-	350
43	6.1	Q(Btu/h)	15060	10320	11320	7600	-	4310	15900	10900	11960	8030	-	4550	16740	11480	12600	8460	-	4790
		W	1320	760	990	660	-	380	1250	720	940	630	-	360	1180	680	890	600	-	340
40	4.4	Q(Btu/h)	13890	9860	10450	7010	-	3970	14700	10440	11060	7420	-	4200	15510	11020	11670	7830	-	4430
		W	1300	750	970	640	-	370	1230	710	920	610	-	350	1160	670	870	580	-	330
35	1.7	Q(Btu/h)	12710	9080	9560	6410	-	3620	13500	9650	10160	6810	-	3850	14290	10220	10760	7210	-	4080
		W	1260	720	950	640	-	370	1200	680	900	610	-	350	1140	640	850	580	-	330
30	-1.1	Q(Btu/h)	11810	8360	8890	5960	-	3380	12600	8920	9480	6360	-	3600	13390	9480	10070	6760	-	3820
		W	1330	810	1040	740	-	470	1270	780	990	710	-	450	1210	750	940	680	-	430
25	-3.9	Q(Btu/h)	10920	7630	8210	5510	-	3130	11700	8180	8800	5910	-	3350	12480	8730	9390	6310	-	3570
		W	1270	780	990	710	-	460	1210	750	950	680	-	440	1150	720	910	650	-	420
20	-6.7	Q(Btu/h)	10010	6900	7540	5050	-	2860	10800	7440	8130	5450	-	3080	11590	7980	8720	5850	-	3300
		W	1220	730	940	670	-	440	1160	700	900	640	-	420	1100	670	860	610	-	400
15	-9.4	Q(Btu/h)	9100	6160	6850	4590	-	2600	9900	6700	7450	5000	-	2830	10700	7240	8050	5410	-	3060
		W	1150	680	900	650	-	420	1100	650	860	620	-	410	1050	620	820	590	-	400
10	-12.2	Q(Btu/h)	8120	5390	6100	4100	-	2320	8950	5940	6730	4520	-	2560	9780	6490	7360	4940	-	2800
		W	1090	630	860	610	-	390	1040	600	820	590	-	380	990	570	780	570	-	370
5	-15.0	Q(Btu/h)	7130	4610	5360	3600	-	2030	8000	5180	6020	4040	-	2280	8870	5750	6680	4480	-	2530
		W	1030	560	800	580	-	380	980	540	770	560	-	370	930	520	740	540	-	360
0	-17.8	Q(Btu/h)	6250	3620	4700	3150	-	1780	7200	4170	5420	3630	-	2050	8150	4720	6140	4110	-	2320
		W	950	500	750	550	-	370	910	480	720	530	-	360	870	460	690	510	-	350
-4	-20.0	Q(Btu/h)	5400	2660	4070	2730	-	1540	6400	3150	4820	3230	-	1820	7400	3640	5570	3730	-	2100
		W	870	440	690	500	-	340	830	420	660	480	-	330	790	400	630	460	-	320

* Above data is for heating operation without any frost.

MSZ-GL12NA
MUZ-GL12NA
1) COOLING

Rated
Q(Btu/h): 12000
W: 920

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Min.
(°F)	(°C)																			
115	46.1	Q(Btu/h)	12280	11040	9270	6130	3130	1260	11630	10260	8780	5810	2970	1190	10920	9360	8240	5450	2790	1120
		W	1530	1060	1150	760	390	150	1440	1020	1080	710	360	140	1370	980	1030	680	350	130
110	43.3	Q(Btu/h)	12820	11520	9680	6400	3260	1310	12140	10710	9170	6070	3090	1240	11400	9810	8610	5690	2900	1170
		W	1500	1040	1140	760	390	150	1410	1000	1070	710	360	140	1350	960	1020	680	350	130
105	40.6	Q(Btu/h)	13360	12000	10080	6670	3410	1360	12650	11160	9550	6330	3230	1290	11880	10260	8970	5940	3030	1220
		W	1470	1020	1100	740	380	150	1380	980	1040	690	350	140	1320	940	990	660	340	130
100	37.8	Q(Btu/h)	13860	12450	10460	6920	3520	1410	13130	11580	9910	6560	3340	1340	12330	10770	9300	6150	3130	1270
		W	1430	1000	1070	710	360	140	1340	950	1010	660	340	130	1280	910	960	640	330	120
95	35.0	Q(Btu/h)	14360	12900	10840	7160	3660	1470	13600	12000	10270	6790	3470	1390	12770	11280	9640	6370	3250	1310
		W	1380	970	1040	710	360	140	1300	920	980	660	340	130	1240	880	930	640	330	120
90	32.2	Q(Btu/h)	14940	13320	11280	7470	3810	1520	14150	12480	10690	7080	3610	1440	13290	11700	10040	6640	3390	1360
		W	1330	940	1000	670	330	130	1250	890	940	620	310	120	1190	850	890	600	300	110
85	29.4	Q(Btu/h)	15510	13740	11700	7740	3940	1580	14690	12960	11090	7340	3740	1500	13800	12120	10410	6880	3510	1420
		W	1280	900	970	650	330	130	1200	850	910	610	310	120	1140	810	870	590	300	110
80	26.7	Q(Btu/h)	16090	14220	12140	8040	4100	1650	15240	13440	11500	7620	3890	1560	14310	12600	10800	7150	3650	1470
		W	1220	860	920	610	300	120	1150	810	870	570	280	110	1100	780	830	550	270	100
75	23.9	Q(Btu/h)	16660	14700	12580	8320	4250	1700	15780	13920	11920	7890	4030	1610	14820	13080	11190	7400	3780	1520
		W	1160	820	870	590	300	120	1090	770	820	550	280	110	1040	740	780	530	270	100
70	21.1	Q(Btu/h)	17230	15210	13000	8600	4390	1760	16320	14400	12320	8160	4160	1670	15330	13530	11570	7650	3900	1580
		W	1110	780	830	550	280	110	1040	730	780	510	260	100	990	700	740	490	250	90
65	18.3	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
60	15.6	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
55	12.8	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
50	10.0	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
45	7.2	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
40	4.4	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
35	1.7	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
30	-1.1	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
25	-3.9	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
20	-6.7	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
15	-9.4	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80

* It may not reach the above capacities in low ambient temperatures.

MSZ-GL12NA
MUZ-GL12NA
2) HEATING

Rated
Q(Btu/h): 14400
W: 1100

Indoor D.B.			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
Outdoor W.B.		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Min.
(°F)	(°C)																			
65	18.3	Q(Btu/h)	21810	17990	16460	10900	5560	2230	22700	18720	17130	11340	5790	2320	23590	19450	17800	11780	6020	2410
		W	1970	1250	1490	980	500	200	1870	1190	1410	930	470	190	1770	1130	1330	880	440	180
60	15.6	Q(Btu/h)	20750	17010	15670	10380	5300	2120	21650	17750	16350	10830	5530	2210	22550	18490	17030	11280	5760	2300
		W	1900	1240	1440	960	480	190	1800	1180	1370	910	460	180	1700	1120	1300	860	440	170
55	12.8	Q(Btu/h)	19680	16030	14870	9850	5030	2010	20600	16780	15560	10310	5260	2100	21520	17530	16250	10770	5490	2190
		W	1810	1230	1370	910	460	190	1720	1170	1300	860	440	180	1630	1110	1230	810	420	170
50	10.0	Q(Btu/h)	18610	15050	14050	9310	4750	1900	19550	15810	14760	9780	4990	2000	20490	16570	15470	10250	5230	2100
		W	1740	1210	1310	860	440	180	1650	1150	1240	820	420	170	1560	1090	1170	780	400	160
45	7.2	Q(Btu/h)	17540	14060	13250	8770	4480	1790	18500	14830	13970	9250	4720	1890	19460	15600	14690	9730	4960	1990
		W	1660	1180	1260	840	430	170	1580	1120	1200	800	410	160	1500	1060	1140	760	390	150
43	6.1	Q(Btu/h)	17140	13640	12930	8560	4370	1750	18100	14400	13660	9040	4620	1850	19060	15160	14390	9520	4870	1950
		W	1710	1160	1290	850	430	170	1620	1100	1220	810	410	160	1530	1040	1150	770	390	150
40	4.4	Q(Btu/h)	16300	13030	12310	8150	4160	1660	17250	13790	13030	8630	4400	1760	18200	14550	13750	9110	4640	1860
		W	1610	1150	1210	800	400	160	1530	1090	1150	760	380	150	1450	1030	1090	720	360	140
35	1.7	Q(Btu/h)	15440	11990	11660	7730	3940	1580	16400	12740	12390	8210	4190	1680	17360	13490	13120	8690	4440	1780
		W	1520	1110	1140	750	390	160	1440	1050	1080	710	370	150	1360	990	1020	670	350	140
30	-1.1	Q(Btu/h)	14390	11040	10860	7190	3670	1460	15350	11770	11580	7670	3910	1560	16310	12500	12300	8150	4150	1660
		W	1440	1050	1090	720	370	150	1370	1000	1030	680	350	140	1300	950	970	640	330	130
25	-3.9	Q(Btu/h)	13340	10080	10080	6670	3410	1360	14300	10800	10800	7150	3650	1460	15260	11520	11520	7630	3890	1560
		W	1370	990	1040	700	360	150	1300	940	990	660	340	140	1230	890	940	620	320	130
20	-6.7	Q(Btu/h)	12330	9110	9310	6160	3130	1250	13300	9830	10040	6640	3380	1350	14270	10550	10770	7120	3630	1450
		W	1300	920	980	640	330	130	1230	870	930	610	310	120	1160	820	880	580	290	110
15	-9.4	Q(Btu/h)	11300	8140	8540	5650	2880	1150	12300	8860	9290	6150	3130	1250	13300	9580	10040	6650	3380	1350
		W	1220	830	920	600	310	130	1160	790	870	570	290	120	1100	750	820	540	270	110
10	-12.2	Q(Btu/h)	10200	7120	7700	5100	2600	1040	11250	7850	8490	5620	2870	1150	12300	8580	9280	6140	3140	1260
		W	1150	750	870	580	290	120	1090	710	830	550	280	110	1030	670	790	520	270	100
5	-15.0	Q(Btu/h)	9080	6090	6860	4540	2320	930	10200	6840	7700	5100	2600	1040	11320	7590	8540	5660	2880	1150
		W	1070	650	820	540	270	110	1020	620	780	510	260	100	970	590	740	480	250	90
0	-17.8	Q(Btu/h)	7810	4830	5890	3900	1990	800	9000	5570	6790	4490	2290	920	10190	6310	7690	5080	2590	1040
		W	990	570	740	500	250	110	940	540	700	470	240	100	890	510	660	440	230	90
-4	-20.0	Q(Btu/h)	6590	3630	4970	3290	1680	680	7800	4300	5880	3900	1990	800	9010	4970	6790	4510	2300	920
		W	900	470	670	440	220	80	850	450	640	420	210	80	800	430	610	400	200	80

* Above data is for heating operation without any frost.

MSZ-GL12NA
MUZ-GL12NAH
1) COOLING

Rated
Q(Btu/h): 12000
W: 920

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Min.
(°F)	(°C)																			
115	46.1	Q(Btu/h)	12280	11040	9270	6130	3130	1260	11630	10260	8780	5810	2970	1190	10920	9360	8240	5450	2790	1120
		W	1530	1060	1150	760	390	150	1440	1020	1080	710	360	140	1370	980	1030	680	350	130
110	43.3	Q(Btu/h)	12820	11520	9680	6400	3260	1310	12140	10710	9170	6070	3090	1240	11400	9810	8610	5690	2900	1170
		W	1500	1040	1140	760	390	150	1410	1000	1070	710	360	140	1350	960	1020	680	350	130
105	40.6	Q(Btu/h)	13360	12000	10080	6670	3410	1360	12650	11160	9550	6330	3230	1290	11880	10260	8970	5940	3030	1220
		W	1470	1020	1100	740	380	150	1380	980	1040	690	350	140	1320	940	990	660	340	130
100	37.8	Q(Btu/h)	13860	12450	10460	6920	3520	1410	13130	11580	9910	6560	3340	1340	12330	10770	9300	6150	3130	1270
		W	1430	1000	1070	710	360	140	1340	950	1010	660	340	130	1280	910	960	640	330	120
95	35.0	Q(Btu/h)	14360	12900	10840	7160	3660	1470	13600	12000	10270	6790	3470	1390	12770	11280	9640	6370	3250	1310
		W	1380	970	1040	710	360	140	1300	920	980	660	340	130	1240	880	930	640	330	120
90	32.2	Q(Btu/h)	14940	13320	11280	7470	3810	1520	14150	12480	10690	7080	3610	1440	13290	11700	10040	6640	3390	1360
		W	1330	940	1000	670	330	130	1250	890	940	620	310	120	1190	850	890	600	300	110
85	29.4	Q(Btu/h)	15510	13740	11700	7740	3940	1580	14690	12960	11090	7340	3740	1500	13800	12120	10410	6880	3510	1420
		W	1280	900	970	650	330	130	1200	850	910	610	310	120	1140	810	870	590	300	110
80	26.7	Q(Btu/h)	16090	14220	12140	8040	4100	1650	15240	13440	11500	7620	3890	1560	14310	12600	10800	7150	3650	1470
		W	1220	860	920	610	300	120	1150	810	870	570	280	110	1100	780	830	550	270	100
75	23.9	Q(Btu/h)	16660	14700	12580	8320	4250	1700	15780	13920	11920	7890	4030	1610	14820	13080	11190	7400	3780	1520
		W	1160	820	870	590	300	120	1090	770	820	550	280	110	1040	740	780	530	270	100
70	21.1	Q(Btu/h)	17230	15210	13000	8600	4390	1760	16320	14400	12320	8160	4160	1670	15330	13530	11570	7650	3900	1580
		W	1110	780	830	550	280	110	1040	730	780	510	260	100	990	700	740	490	250	90
65	18.3	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
60	15.6	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
55	12.8	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
50	10.0	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
45	7.2	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
40	4.4	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
35	1.7	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
30	-1.1	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
25	-3.9	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
20	-6.7	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
15	-9.4	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80

* It may not reach the above capacities in low ambient temperatures.

MSZ-GL12NA
MUZ-GL12NAH
2) HEATING

Rated
Q(Btu/h): 14400
W: 1100

Indoor D.B.			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
Outdoor W.B.		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Min.
(°F)	(°C)																			
65	18.3	Q(Btu/h)	21810	17990	16460	10900	5560	2230	22700	18720	17130	11340	5790	2320	23590	19450	17800	11780	6020	2410
		W	1970	1250	1490	980	500	200	1870	1190	1410	930	470	190	1770	1130	1330	880	440	180
60	15.6	Q(Btu/h)	20750	17010	15670	10380	5300	2120	21650	17750	16350	10830	5530	2210	22550	18490	17030	11280	5760	2300
		W	1900	1240	1440	960	480	190	1800	1180	1370	910	460	180	1700	1120	1300	860	440	170
55	12.8	Q(Btu/h)	19680	16030	14870	9850	5030	2010	20600	16780	15560	10310	5260	2100	21520	17530	16250	10770	5490	2190
		W	1810	1230	1370	910	460	190	1720	1170	1300	860	440	180	1630	1110	1230	810	420	170
50	10.0	Q(Btu/h)	18610	15050	14050	9310	4750	1900	19550	15810	14760	9780	4990	2000	20490	16570	15470	10250	5230	2100
		W	1740	1210	1310	860	440	180	1650	1150	1240	820	420	170	1560	1090	1170	780	400	160
45	7.2	Q(Btu/h)	17540	14060	13250	8770	4480	1790	18500	14830	13970	9250	4720	1890	19460	15600	14690	9730	4960	1990
		W	1660	1180	1260	840	430	170	1580	1120	1200	800	410	160	1500	1060	1140	760	390	150
43	6.1	Q(Btu/h)	17140	13640	12930	8560	4370	1750	18100	14400	13660	9040	4620	1850	19060	15160	14390	9520	4870	1950
		W	1710	1160	1290	850	430	170	1620	1100	1220	810	410	160	1530	1040	1150	770	390	150
40	4.4	Q(Btu/h)	16300	13030	12310	8150	4160	1660	17250	13790	13030	8630	4400	1760	18200	14550	13750	9110	4640	1860
		W	1610	1150	1210	800	400	160	1530	1090	1150	760	380	150	1450	1030	1090	720	360	140
35	1.7	Q(Btu/h)	15440	11990	11660	7730	3940	1580	16400	12740	12390	8210	4190	1680	17360	13490	13120	8690	4440	1780
		W	1520	1110	1140	750	390	160	1440	1050	1080	710	370	150	1360	990	1020	670	350	140
30	-1.1	Q(Btu/h)	14390	11040	10860	7190	3670	1460	15350	11770	11580	7670	3910	1560	16310	12500	12300	8150	4150	1660
		W	1570	1180	1220	850	500	280	1500	1130	1160	810	480	270	1430	1080	1100	770	460	260
25	-3.9	Q(Btu/h)	13340	10080	10080	6670	3410	1360	14300	10800	10800	7150	3650	1460	15260	11520	11520	7630	3890	1560
		W	1500	1120	1170	830	490	280	1430	1070	1120	790	470	270	1360	1020	1070	750	450	260
20	-6.7	Q(Btu/h)	12330	9110	9310	6160	3130	1250	13300	9830	10040	6640	3380	1350	14270	10550	10770	7120	3630	1450
		W	1430	1050	1110	770	460	260	1360	1000	1060	740	440	250	1290	950	1010	710	420	240
15	-9.4	Q(Btu/h)	11300	8140	8540	5650	2880	1150	12300	8860	9290	6150	3130	1250	13300	9580	10040	6650	3380	1350
		W	1350	960	1050	730	440	260	1290	920	1000	700	420	250	1230	880	950	670	400	240
10	-12.2	Q(Btu/h)	10200	7120	7700	5100	2600	1040	11250	7850	8490	5620	2870	1150	12300	8580	9280	6140	3140	1260
		W	1280	880	1000	710	420	250	1220	840	960	680	410	240	1160	800	920	650	400	230
5	-15.0	Q(Btu/h)	9080	6090	6860	4540	2320	930	10200	6840	7700	5100	2600	1040	11320	7590	8540	5660	2880	1150
		W	1200	780	950	670	400	240	1150	750	910	640	390	230	1100	720	870	610	380	220
0	-17.8	Q(Btu/h)	7810	4830	5890	3900	1990	800	9000	5570	6790	4490	2290	920	10190	6310	7690	5080	2590	1040
		W	1120	700	870	630	380	240	1070	670	830	600	370	230	1020	640	790	570	360	220
-4	-20.0	Q(Btu/h)	6590	3630	4970	3290	1680	680	7800	4300	5880	3900	1990	800	9010	4970	6790	4510	2300	920
		W	1030	600	800	570	350	210	980	580	770	550	340	210	930	560	740	530	330	210

* Above data is for heating operation without any frost.

MSZ-GL15NA
MUZ-GL15NA
1) COOLING

Rated
Q(Btu/h): 14000
W: 1080

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Min.
(°F)	(°C)																			
115	46.1	Q(Btu/h)	16440	12880	12410	8210	4200	2730	15560	11970	11750	7780	3980	2590	14620	10920	11040	7310	3740	2430
		W	2350	1240	1770	1200	610	390	2220	1200	1680	1120	580	380	2110	1140	1600	1080	550	350
110	43.3	Q(Btu/h)	17170	13440	12970	8580	4390	2860	16250	12500	12280	8130	4160	2710	15270	11450	11540	7640	3910	2540
		W	2300	1220	1730	1160	580	370	2170	1170	1640	1080	550	360	2070	1120	1560	1040	520	330
105	40.6	Q(Btu/h)	17880	14000	13500	8950	4580	2980	16930	13020	12790	8480	4340	2830	15910	11970	12020	7970	4070	2650
		W	2250	1190	1690	1150	580	370	2120	1140	1600	1070	550	360	2020	1100	1520	1030	520	330
100	37.8	Q(Btu/h)	18560	14530	14010	9270	4740	3090	17570	13510	13270	8780	4490	2930	16510	12570	12470	8250	4220	2750
		W	2180	1160	1640	1100	550	350	2060	1110	1550	1030	530	340	1960	1070	1480	990	510	320
95	35.0	Q(Btu/h)	19230	15050	14520	9610	4910	3190	18200	14000	13750	9100	4650	3030	17110	13160	12920	8550	4370	2840
		W	2120	1130	1590	1070	530	340	2000	1080	1510	1000	510	330	1900	1030	1440	960	490	310
90	32.2	Q(Btu/h)	20000	15540	15110	10010	5120	3330	18930	14560	14310	9480	4850	3160	17790	13650	13450	8910	4550	2960
		W	2040	1090	1540	1050	520	340	1930	1040	1460	980	500	330	1840	1000	1390	940	480	310
85	29.4	Q(Btu/h)	20770	16030	15680	10380	5310	3460	19660	15120	14850	9830	5030	3280	18480	14140	13960	9230	4720	3080
		W	1960	1050	1480	1000	500	320	1850	1000	1400	930	480	310	1760	960	1330	900	460	290
80	26.7	Q(Btu/h)	21540	16590	16260	10760	5490	3570	20390	15680	15400	10190	5200	3390	19160	14700	14470	9570	4880	3180
		W	1880	1010	1400	940	470	300	1770	960	1330	880	450	290	1690	910	1270	850	430	270
75	23.9	Q(Btu/h)	22300	17150	16840	11150	5700	3710	21110	16240	15950	10560	5400	3520	19840	15260	14990	9920	5070	3300
		W	1780	960	1340	890	450	290	1680	910	1270	830	430	280	1600	860	1210	800	410	260
70	21.1	Q(Btu/h)	23070	17740	17420	11540	5900	3840	21840	16800	16500	10930	5590	3640	20530	15790	15510	10270	5250	3410
		W	1700	910	1280	860	430	280	1600	860	1210	800	410	270	1520	810	1150	770	390	250
65	18.3	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
60	15.6	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
55	12.8	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
50	10.0	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
45	7.2	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
40	4.4	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
35	1.7	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
30	-1.1	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
25	-3.9	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
20	-6.7	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
15	-9.4	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260

* It may not reach the above capacities in low ambient temperatures.

MSZ-GL15NA
MUZ-GL15NA
2) HEATING

Rated
Q(Btu/h): 18000
W: 1600

Indoor D.B.			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
Outdoor W.B.		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Min.
(°F)	(°C)																			
65	18.3	Q(Btu/h)	23930	22480	18060	11960	6100	3520	24900	23400	18800	12450	6350	3660	25870	24320	19540	12940	6600	3800
		W	2110	1820	1580	1040	540	310	2000	1730	1500	990	510	290	1890	1640	1420	940	480	270
60	15.6	Q(Btu/h)	23000	21270	17370	11500	5870	3380	24000	22190	18120	12000	6120	3530	25000	23110	18870	12500	6370	3680
		W	2160	1810	1630	1090	560	330	2050	1720	1550	1030	530	310	1940	1630	1470	970	500	290
55	12.8	Q(Btu/h)	22070	20030	16660	11030	5630	3250	23100	20970	17440	11550	5890	3400	24130	21910	18220	12070	6150	3550
		W	2200	1790	1660	1110	560	330	2090	1700	1580	1050	530	310	1980	1610	1500	990	500	290
50	10.0	Q(Btu/h)	21130	18810	15940	10560	5390	3110	22200	19760	16750	11090	5660	3270	23270	20710	17560	11620	5930	3430
		W	2170	1760	1640	1100	560	330	2060	1670	1560	1040	530	310	1950	1580	1480	980	500	290
45	7.2	Q(Btu/h)	20200	17580	15250	10100	5150	2970	21300	18540	16080	10650	5430	3130	22400	19500	16910	11200	5710	3290
		W	2130	1720	1600	1050	540	310	2020	1630	1520	1000	510	290	1910	1540	1440	950	480	270
43	6.1	Q(Btu/h)	19790	17040	14940	9900	5050	2920	20900	18000	15780	10450	5330	3080	22010	18960	16620	11000	5610	3240
		W	2120	1690	1590	1050	540	310	2010	1600	1510	1000	510	290	1900	1510	1430	950	480	270
40	4.4	Q(Btu/h)	19090	16290	14410	9540	4870	2810	20200	17240	15250	10100	5150	2970	21310	18190	16090	10660	5430	3130
		W	2050	1660	1550	1020	520	290	1950	1580	1470	970	490	280	1850	1500	1390	920	460	270
35	1.7	Q(Btu/h)	18360	15000	13860	9180	4680	2700	19500	15930	14720	9750	4970	2870	20640	16860	15580	10320	5260	3040
		W	1990	1600	1510	990	510	290	1890	1520	1430	940	480	280	1790	1440	1350	890	450	270
30	-1.1	Q(Btu/h)	17440	13800	13170	8730	4440	2560	18600	14720	14050	9310	4740	2730	19760	15640	14930	9890	5040	2900
		W	1940	1530	1460	970	500	280	1840	1450	1390	920	470	270	1740	1370	1320	870	440	260
25	-3.9	Q(Btu/h)	16520	12600	12470	8260	4210	2430	17700	13500	13360	8850	4510	2600	18880	14400	14250	9440	4810	2770
		W	1880	1440	1420	940	480	280	1780	1370	1350	890	460	270	1680	1300	1280	840	440	260
20	-6.7	Q(Btu/h)	15580	11390	11760	7790	3970	2290	16800	12290	12680	8400	4280	2470	18020	13190	13600	9010	4590	2650
		W	1820	1330	1380	920	460	260	1730	1260	1310	870	440	250	1640	1190	1240	820	420	240
15	-9.4	Q(Btu/h)	14610	10170	11030	7300	3720	2150	15900	11070	12000	7950	4050	2340	17190	11970	12970	8600	4380	2530
		W	1770	1210	1340	880	450	260	1680	1150	1270	840	430	250	1590	1090	1200	800	410	240
10	-12.2	Q(Btu/h)	13610	8900	10270	6800	3460	2000	15000	9810	11320	7500	3820	2200	16390	10720	12370	8200	4180	2400
		W	1720	1090	1300	850	430	250	1630	1030	1230	810	410	240	1540	970	1160	770	390	230
5	-15.0	Q(Btu/h)	12560	7610	9490	6290	3210	1850	14100	8550	10650	7060	3600	2080	15640	9490	11810	7830	3990	2310
		W	1650	950	1250	830	430	250	1570	900	1190	790	410	240	1490	850	1130	750	390	230
0	-17.8	Q(Btu/h)	11370	6110	8590	5690	2900	1680	13100	7040	9900	6550	3340	1930	14830	7970	11210	7410	3780	2180
		W	1570	820	1180	780	390	220	1490	780	1120	740	370	210	1410	740	1060	700	350	200
-4	-20.0	Q(Btu/h)	10220	4670	7710	5100	2600	1500	12100	5530	9130	6040	3080	1780	13980	6390	10550	6980	3560	2060
		W	1470	700	1110	730	370	210	1400	660	1050	690	350	200	1330	620	990	650	330	190

* Above data is for heating operation without any frost.

MSZ-GL15NA
MUZ-GL15NAH
1) COOLING

Rated
Q(Btu/h): 14000
W: 1080

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Min.
(°F)	(°C)																			
115	46.1	Q(Btu/h)	16440	12880	12410	8210	4200	2730	15560	11970	11750	7780	3980	2590	14620	10920	11040	7310	3740	2430
		W	2350	1240	1770	1200	610	390	2220	1200	1680	1120	580	380	2110	1140	1600	1080	550	350
110	43.3	Q(Btu/h)	17170	13440	12970	8580	4390	2860	16250	12500	12280	8130	4160	2710	15270	11450	11540	7640	3910	2540
		W	2300	1220	1730	1160	580	370	2170	1170	1640	1080	550	360	2070	1120	1560	1040	520	330
105	40.6	Q(Btu/h)	17880	14000	13500	8950	4580	2980	16930	13020	12790	8480	4340	2830	15910	11970	12020	7970	4070	2650
		W	2250	1190	1690	1150	580	370	2120	1140	1600	1070	550	360	2020	1100	1520	1030	520	330
100	37.8	Q(Btu/h)	18560	14530	14010	9270	4740	3090	17570	13510	13270	8780	4490	2930	16510	12570	12470	8250	4220	2750
		W	2180	1160	1640	1100	550	350	2060	1110	1550	1030	530	340	1960	1070	1480	990	510	320
95	35.0	Q(Btu/h)	19230	15050	14520	9610	4910	3190	18200	14000	13750	9100	4650	3030	17110	13160	12920	8550	4370	2840
		W	2120	1130	1590	1070	530	340	2000	1080	1510	1000	510	330	1900	1030	1440	960	490	310
90	32.2	Q(Btu/h)	20000	15540	15110	10010	5120	3330	18930	14560	14310	9480	4850	3160	17790	13650	13450	8910	4550	2960
		W	2040	1090	1540	1050	520	340	1930	1040	1460	980	500	330	1840	1000	1390	940	480	310
85	29.4	Q(Btu/h)	20770	16030	15680	10380	5310	3460	19660	15120	14850	9830	5030	3280	18480	14140	13960	9230	4720	3080
		W	1960	1050	1480	1000	500	320	1850	1000	1400	930	480	310	1760	960	1330	900	460	290
80	26.7	Q(Btu/h)	21540	16590	16260	10760	5490	3570	20390	15680	15400	10190	5200	3390	19160	14700	14470	9570	4880	3180
		W	1880	1010	1400	940	470	300	1770	960	1330	880	450	290	1690	910	1270	850	430	270
75	23.9	Q(Btu/h)	22300	17150	16840	11150	5700	3710	21110	16240	15950	10560	5400	3520	19840	15260	14990	9920	5070	3300
		W	1780	960	1340	890	450	290	1680	910	1270	830	430	280	1600	860	1210	800	410	260
70	21.1	Q(Btu/h)	23070	17740	17420	11540	5900	3840	21840	16800	16500	10930	5590	3640	20530	15790	15510	10270	5250	3410
		W	1700	910	1280	860	430	280	1600	860	1210	800	410	270	1520	810	1150	770	390	250
65	18.3	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
60	15.6	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
55	12.8	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
50	10.0	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
45	7.2	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
40	4.4	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
35	1.7	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
30	-1.1	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
25	-3.9	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
20	-6.7	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
15	-9.4	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260

* It may not reach the above capacities in low ambient temperatures.

MSZ-GL15NA
MUZ-GL15NAH
2) HEATING

Rated
Q(Btu/h): 18000
W: 1600

Indoor D.B.			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
Outdoor W.B.		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Min.
(°F)	(°C)																			
65	18.3	Q(Btu/h)	23930	22480	18060	11960	6100	3520	24900	23400	18800	12450	6350	3660	25870	24320	19540	12940	6600	3800
		W	2110	1820	1580	1040	540	310	2000	1730	1500	990	510	290	1890	1640	1420	940	480	270
60	15.6	Q(Btu/h)	23000	21270	17370	11500	5870	3380	24000	22190	18120	12000	6120	3530	25000	23110	18870	12500	6370	3680
		W	2160	1810	1630	1090	560	330	2050	1720	1550	1030	530	310	1940	1630	1470	970	500	290
55	12.8	Q(Btu/h)	22070	20030	16660	11030	5630	3250	23100	20970	17440	11550	5890	3400	24130	21910	18220	12070	6150	3550
		W	2200	1790	1660	1110	560	330	2090	1700	1580	1050	530	310	1980	1610	1500	990	500	290
50	10.0	Q(Btu/h)	21130	18810	15940	10560	5390	3110	22200	19760	16750	11090	5660	3270	23270	20710	17560	11620	5930	3430
		W	2170	1760	1640	1100	560	330	2060	1670	1560	1040	530	310	1950	1580	1480	980	500	290
45	7.2	Q(Btu/h)	20200	17580	15250	10100	5150	2970	21300	18540	16080	10650	5430	3130	22400	19500	16910	11200	5710	3290
		W	2130	1720	1600	1050	540	310	2020	1630	1520	1000	510	290	1910	1540	1440	950	480	270
43	6.1	Q(Btu/h)	19790	17040	14940	9900	5050	2920	20900	18000	15780	10450	5330	3080	22010	18960	16620	11000	5610	3240
		W	2120	1690	1590	1050	540	310	2010	1600	1510	1000	510	290	1900	1510	1430	950	480	270
40	4.4	Q(Btu/h)	19090	16290	14410	9540	4870	2810	20200	17240	15250	10100	5150	2970	21310	18190	16090	10660	5430	3130
		W	2050	1660	1550	1020	520	290	1950	1580	1470	970	490	280	1850	1500	1390	920	460	270
35	1.7	Q(Btu/h)	18360	15000	13860	9180	4680	2700	19500	15930	14720	9750	4970	2870	20640	16860	15580	10320	5260	3040
		W	1990	1600	1510	990	510	290	1890	1520	1430	940	480	280	1790	1440	1350	890	450	270
30	-1.1	Q(Btu/h)	17440	13800	13170	8730	4440	2560	18600	14720	14050	9310	4740	2730	19760	15640	14930	9890	5040	2900
		W	2070	1660	1590	1100	630	410	1970	1580	1520	1050	600	400	1870	1500	1450	1000	570	390
25	-3.9	Q(Btu/h)	16520	12600	12470	8260	4210	2430	17700	13500	13360	8850	4510	2600	18880	14400	14250	9440	4810	2770
		W	2010	1570	1550	1070	610	410	1910	1500	1480	1020	590	400	1810	1430	1410	970	570	390
20	-6.7	Q(Btu/h)	15580	11390	11760	7790	3970	2290	16800	12290	12680	8400	4280	2470	18020	13190	13600	9010	4590	2650
		W	1950	1460	1510	1050	590	390	1860	1390	1440	1000	570	380	1770	1320	1370	950	550	370
15	-9.4	Q(Btu/h)	14610	10170	11030	7300	3720	2150	15900	11070	12000	7950	4050	2340	17190	11970	12970	8600	4380	2530
		W	1900	1340	1470	1010	580	390	1810	1280	1400	970	560	380	1720	1220	1330	930	540	370
10	-12.2	Q(Btu/h)	13610	8900	10270	6800	3460	2000	15000	9810	11320	7500	3820	2200	16390	10720	12370	8200	4180	2400
		W	1850	1220	1430	980	560	380	1760	1160	1360	940	540	370	1670	1100	1290	900	520	360
5	-15.0	Q(Btu/h)	12560	7610	9490	6290	3210	1850	14100	8550	10650	7060	3600	2080	15640	9490	11810	7830	3990	2310
		W	1780	1080	1380	960	560	380	1700	1030	1320	920	540	370	1620	980	1260	880	520	360
0	-17.8	Q(Btu/h)	11370	6110	8590	5690	2900	1680	13100	7040	9900	6550	3340	1930	14830	7970	11210	7410	3780	2180
		W	1700	950	1310	910	520	350	1620	910	1250	870	500	340	1540	870	1190	830	480	330
-4	-20.0	Q(Btu/h)	10220	4670	7710	5100	2600	1500	12100	5530	9130	6040	3080	1780	13980	6390	10550	6980	3560	2060
		W	1600	830	1240	860	500	340	1530	790	1180	820	480	330	1460	750	1120	780	460	320

* Above data is for heating operation without any frost.

MSZ-GL18NA
MUZ-GL18NA
1) COOLING

Rated
Q(Btu/h): 18000
W: 1340

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Min.
(°F)	(°C)																			
115	46.1	Q(Btu/h)	19860	16560	15000	9930	5050	4040	18810	15390	14200	9400	4790	3830	17670	14040	13350	8830	4500	3590
		W	2520	1540	1900	1250	620	500	2390	1490	1810	1200	610	490	2270	1420	1720	1130	560	450
110	43.3	Q(Btu/h)	20740	17280	15670	10370	5290	4230	19640	16070	14830	9820	5010	4010	18450	14720	13940	9230	4700	3760
		W	2470	1510	1860	1220	600	490	2340	1460	1770	1170	590	480	2220	1400	1680	1110	540	440
105	40.6	Q(Btu/h)	21610	18000	16320	10800	5510	4400	20460	16740	15450	10220	5220	4170	19230	15390	14530	9600	4900	3910
		W	2410	1480	1810	1200	600	480	2280	1420	1720	1150	590	470	2170	1370	1630	1090	540	430
100	37.8	Q(Btu/h)	22420	18680	16940	11210	5710	4570	21230	17370	16030	10610	5410	4330	19950	16160	15070	9970	5080	4060
		W	2340	1450	1760	1150	570	460	2220	1380	1670	1100	560	450	2110	1330	1580	1040	510	410
95	35.0	Q(Btu/h)	23230	19350	17560	11620	5920	4740	22000	18000	16620	11000	5610	4490	20670	16920	15630	10340	5270	4210
		W	2270	1410	1700	1120	550	440	2150	1340	1620	1070	540	430	2040	1280	1540	1010	490	400
90	32.2	Q(Btu/h)	24160	19980	18260	12090	6160	4930	22880	18720	17280	11440	5840	4670	21500	17550	16250	10750	5480	4380
		W	2180	1360	1640	1090	540	440	2070	1290	1560	1040	530	430	1970	1240	1480	980	480	400
85	29.4	Q(Btu/h)	25090	20610	18970	12550	6400	5120	23760	19440	17950	11880	6060	4850	22330	18180	16880	11160	5690	4550
		W	2100	1310	1590	1040	520	420	1990	1240	1510	1000	510	410	1890	1190	1430	950	470	380
80	26.7	Q(Btu/h)	26020	21330	19660	13020	6630	5310	24640	20160	18610	12320	6280	5030	23150	18900	17500	11580	5890	4720
		W	2000	1250	1510	1000	500	400	1900	1190	1440	960	490	390	1810	1130	1370	910	450	360
75	23.9	Q(Btu/h)	26950	22050	20360	13480	6870	5500	25520	20880	19270	12760	6510	5210	23980	19620	18120	11990	6110	4890
		W	1910	1190	1440	950	480	380	1810	1130	1370	910	470	370	1720	1070	1300	860	430	340
70	21.1	Q(Btu/h)	27880	22810	21070	13960	7110	5690	26400	21600	19940	13210	6740	5390	24810	20300	18750	12410	6330	5060
		W	1800	1130	1370	900	450	360	1710	1070	1300	860	440	350	1620	1010	1230	810	400	320
65	18.3	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
60	15.6	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
55	12.8	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
50	10.0	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
45	7.2	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
40	4.4	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
35	1.7	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
30	-1.1	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
25	-3.9	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
20	-6.7	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
15	-9.4	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360

* It may not reach the above capacities in low ambient temperatures.

MSZ-GL18NA
MUZ-GL18NA
2) HEATING

Rated
Q(Btu/h): 21600
W: 1680

Indoor D.B.			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
Outdoor W.B.		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Min.
(°F)	(°C)																			
65	18.3	Q(Btu/h)	29500	26980	22190	14870	7310	5040	30700	28080	23090	15480	7610	5250	31900	29180	23990	16090	7910	5460
		W	2990	1910	2240	1500	740	510	2840	1810	2130	1420	700	480	2690	1710	2020	1340	660	450
60	15.6	Q(Btu/h)	28130	25520	21150	14190	6970	4800	29350	26620	22070	14800	7270	5010	30570	27720	22990	15410	7570	5220
		W	2920	1900	2200	1470	730	510	2770	1800	2090	1400	690	480	2620	1700	1980	1330	650	450
55	12.8	Q(Btu/h)	26750	24040	20120	13490	6630	4580	28000	25160	21060	14120	6940	4790	29250	26280	22000	14750	7250	5000
		W	2830	1880	2130	1430	710	480	2690	1780	2020	1360	670	460	2550	1680	1910	1290	630	440
50	10.0	Q(Btu/h)	25370	22570	19070	12790	6290	4340	26650	23710	20040	13440	6610	4560	27930	24850	21010	14090	6930	4780
		W	2750	1840	2060	1380	670	460	2610	1750	1960	1310	640	440	2470	1660	1860	1240	610	420
45	7.2	Q(Btu/h)	23990	21100	18050	12100	5950	4100	25300	22250	19030	12760	6270	4320	26610	23400	20010	13420	6590	4540
		W	2670	1800	2000	1340	650	450	2530	1710	1900	1270	620	430	2390	1620	1800	1200	590	410
43	6.1	Q(Btu/h)	23670	20450	17810	11940	5870	4050	25000	21600	18810	12610	6200	4280	26330	22750	19810	13280	6530	4510
		W	2630	1770	1980	1330	650	450	2500	1680	1880	1260	620	430	2370	1590	1780	1190	590	410
40	4.4	Q(Btu/h)	22490	19550	16910	11340	5570	3850	23800	20690	17900	12000	5900	4070	25110	21830	18890	12660	6230	4290
		W	2570	1750	1930	1300	630	430	2440	1660	1830	1230	600	410	2310	1570	1730	1160	570	390
35	1.7	Q(Btu/h)	21280	18000	16000	10730	5270	3630	22600	19120	17000	11400	5600	3860	23920	20240	18000	12070	5930	4090
		W	2510	1690	1900	1270	620	430	2380	1600	1800	1210	590	410	2250	1510	1700	1150	560	390
30	-1.1	Q(Btu/h)	19880	16560	14960	10030	4930	3400	21200	17660	15950	10700	5260	3630	22520	18760	16940	11370	5590	3860
		W	2430	1600	1820	1220	600	410	2310	1520	1730	1160	570	390	2190	1440	1640	1100	540	370
25	-3.9	Q(Btu/h)	18480	15120	13890	9310	4580	3160	19800	16200	14890	9980	4910	3390	21120	17280	15890	10650	5240	3620
		W	2350	1520	1770	1190	590	410	2230	1440	1680	1130	560	390	2110	1360	1590	1070	530	370
20	-6.7	Q(Btu/h)	17380	13670	13080	8770	4310	2980	18750	14740	14110	9460	4650	3210	20120	15810	15140	10150	4990	3440
		W	2250	1400	1700	1140	560	390	2140	1330	1610	1080	530	370	2030	1260	1520	1020	500	350
15	-9.4	Q(Btu/h)	16260	12200	12230	8200	4030	2780	17700	13280	13310	8930	4390	3030	19140	14360	14390	9660	4750	3280
		W	2160	1270	1620	1100	540	370	2050	1210	1540	1040	510	350	1940	1150	1460	980	480	330
10	-12.2	Q(Btu/h)	14880	10680	11190	7510	3690	2550	16400	11770	12340	8280	4070	2810	17920	12860	13490	9050	4450	3070
		W	2080	1140	1560	1040	520	360	1970	1080	1480	990	490	340	1860	1020	1400	940	460	320
5	-15.0	Q(Btu/h)	13450	9140	10120	6790	3340	2310	15100	10260	11360	7620	3750	2590	16750	11380	12600	8450	4160	2870
		W	1980	1000	1490	990	480	340	1880	950	1410	940	460	320	1780	900	1330	890	440	300
0	-17.8	Q(Btu/h)	11890	7620	8940	5990	2940	2030	13700	8780	10300	6900	3390	2340	15510	9940	11660	7810	3840	2650
		W	1890	870	1420	950	460	320	1790	830	1350	900	440	300	1690	790	1280	850	420	280
-4	-20.0	Q(Btu/h)	10470	6160	7870	5280	2590	1790	12400	7300	9320	6250	3070	2120	14330	8440	10770	7220	3550	2450
		W	1800	750	1350	910	450	320	1710	710	1280	860	430	300	1620	670	1210	810	410	280

* Above data is for heating operation without any frost.

MSZ-GL18NA
MUZ-GL18NAH
1) COOLING

Rated
Q(Btu/h): 18000
W: 1340

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Min.
(°F)	(°C)																			
115	46.1	Q(Btu/h)	19860	16560	15000	9930	5050	4040	18810	15390	14200	9400	4790	3830	17670	14040	13350	8830	4500	3590
		W	2520	1540	1900	1250	620	500	2390	1490	1810	1200	610	490	2270	1420	1720	1130	560	450
110	43.3	Q(Btu/h)	20740	17280	15670	10370	5290	4230	19640	16070	14830	9820	5010	4010	18450	14720	13940	9230	4700	3760
		W	2470	1510	1860	1220	600	490	2340	1460	1770	1170	590	480	2220	1400	1680	1110	540	440
105	40.6	Q(Btu/h)	21610	18000	16320	10800	5510	4400	20460	16740	15450	10220	5220	4170	19230	15390	14530	9600	4900	3910
		W	2410	1480	1810	1200	600	480	2280	1420	1720	1150	590	470	2170	1370	1630	1090	540	430
100	37.8	Q(Btu/h)	22420	18680	16940	11210	5710	4570	21230	17370	16030	10610	5410	4330	19950	16160	15070	9970	5080	4060
		W	2340	1450	1760	1150	570	460	2220	1380	1670	1100	560	450	2110	1330	1580	1040	510	410
95	35.0	Q(Btu/h)	23230	19350	17560	11620	5920	4740	22000	18000	16620	11000	5610	4490	20670	16920	15630	10340	5270	4210
		W	2270	1410	1700	1120	550	440	2150	1340	1620	1070	540	430	2040	1280	1540	1010	490	400
90	32.2	Q(Btu/h)	24160	19980	18260	12090	6160	4930	22880	18720	17280	11440	5840	4670	21500	17550	16250	10750	5480	4380
		W	2180	1360	1640	1090	540	440	2070	1290	1560	1040	530	430	1970	1240	1480	980	480	400
85	29.4	Q(Btu/h)	25090	20610	18970	12550	6400	5120	23760	19440	17950	11880	6060	4850	22330	18180	16880	11160	5690	4550
		W	2100	1310	1590	1040	520	420	1990	1240	1510	1000	510	410	1890	1190	1430	950	470	380
80	26.7	Q(Btu/h)	26020	21330	19660	13020	6630	5310	24640	20160	18610	12320	6280	5030	23150	18900	17500	11580	5890	4720
		W	2000	1250	1510	1000	500	400	1900	1190	1440	960	490	390	1810	1130	1370	910	450	360
75	23.9	Q(Btu/h)	26950	22050	20360	13480	6870	5500	25520	20880	19270	12760	6510	5210	23980	19620	18120	11990	6110	4890
		W	1910	1190	1440	950	480	380	1810	1130	1370	910	470	370	1720	1070	1300	860	430	340
70	21.1	Q(Btu/h)	27880	22810	21070	13960	7110	5690	26400	21600	19940	13210	6740	5390	24810	20300	18750	12410	6330	5060
		W	1800	1130	1370	900	450	360	1710	1070	1300	860	440	350	1620	1010	1230	810	400	320
65	18.3	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
60	15.6	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
55	12.8	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
50	10.0	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
45	7.2	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
40	4.4	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
35	1.7	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
30	-1.1	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
25	-3.9	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
20	-6.7	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
15	-9.4	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360

* It may not reach the above capacities in low ambient temperatures.

MSZ-GL18NA
MUZ-GL18NAH
2) HEATING

Rated
Q(Btu/h): 21600
W: 1680

Indoor D.B.			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
Outdoor W.B.		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Min.
(°F)	(°C)																			
65	18.3	Q(Btu/h)	29500	26980	22190	14870	7310	5040	30700	28080	23090	15480	7610	5250	31900	29180	23990	16090	7910	5460
		W	2990	1910	2240	1500	740	510	2840	1810	2130	1420	700	480	2690	1710	2020	1340	660	450
60	15.6	Q(Btu/h)	28130	25520	21150	14190	6970	4800	29350	26620	22070	14800	7270	5010	30570	27720	22990	15410	7570	5220
		W	2920	1900	2200	1470	730	510	2770	1800	2090	1400	690	480	2620	1700	1980	1330	650	450
55	12.8	Q(Btu/h)	26750	24040	20120	13490	6630	4580	28000	25160	21060	14120	6940	4790	29250	26280	22000	14750	7250	5000
		W	2830	1880	2130	1430	710	480	2690	1780	2020	1360	670	460	2550	1680	1910	1290	630	440
50	10.0	Q(Btu/h)	25370	22570	19070	12790	6290	4340	26650	23710	20040	13440	6610	4560	27930	24850	21010	14090	6930	4780
		W	2750	1840	2060	1380	670	460	2610	1750	1960	1310	640	440	2470	1660	1860	1240	610	420
45	7.2	Q(Btu/h)	23990	21100	18050	12100	5950	4100	25300	22250	19030	12760	6270	4320	26610	23400	20010	13420	6590	4540
		W	2670	1800	2000	1340	650	450	2530	1710	1900	1270	620	430	2390	1620	1800	1200	590	410
43	6.1	Q(Btu/h)	23670	20450	17810	11940	5870	4050	25000	21600	18810	12610	6200	4280	26330	22750	19810	13280	6530	4510
		W	2630	1770	1980	1330	650	450	2500	1680	1880	1260	620	430	2370	1590	1780	1190	590	410
40	4.4	Q(Btu/h)	22490	19550	16910	11340	5570	3850	23800	20690	17900	12000	5900	4070	25110	21830	18890	12660	6230	4290
		W	2570	1750	1930	1300	630	430	2440	1660	1830	1230	600	410	2310	1570	1730	1160	570	390
35	1.7	Q(Btu/h)	21280	18000	16000	10730	5270	3630	22600	19120	17000	11400	5600	3860	23920	20240	18000	12070	5930	4090
		W	2510	1690	1900	1270	620	430	2380	1600	1800	1210	590	410	2250	1510	1700	1150	560	390
30	-1.1	Q(Btu/h)	19880	16560	14960	10030	4930	3400	21200	17660	15950	10700	5260	3630	22520	18760	16940	11370	5590	3860
		W	2560	1730	1950	1350	730	540	2440	1650	1860	1290	700	520	2320	1570	1770	1230	670	500
25	-3.9	Q(Btu/h)	18480	15120	13890	9310	4580	3160	19800	16200	14890	9980	4910	3390	21120	17280	15890	10650	5240	3620
		W	2480	1650	1900	1320	720	540	2360	1570	1810	1260	690	520	2240	1490	1720	1200	660	500
20	-6.7	Q(Btu/h)	17380	13670	13080	8770	4310	2980	18750	14740	14110	9460	4650	3210	20120	15810	15140	10150	4990	3440
		W	2380	1530	1830	1270	690	520	2270	1460	1740	1210	660	500	2160	1390	1650	1150	630	480
15	-9.4	Q(Btu/h)	16260	12200	12230	8200	4030	2780	17700	13280	13310	8930	4390	3030	19140	14360	14390	9660	4750	3280
		W	2290	1400	1750	1230	670	500	2180	1340	1670	1170	640	480	2070	1280	1590	1110	610	460
10	-12.2	Q(Btu/h)	14880	10680	11190	7510	3690	2550	16400	11770	12340	8280	4070	2810	17920	12860	13490	9050	4450	3070
		W	2210	1270	1690	1170	650	490	2100	1210	1610	1120	620	470	1990	1150	1530	1070	590	450
5	-15.0	Q(Btu/h)	13450	9140	10120	6790	3340	2310	15100	10260	11360	7620	3750	2590	16750	11380	12600	8450	4160	2870
		W	2110	1130	1620	1120	610	470	2010	1080	1540	1070	590	450	1910	1030	1460	1020	570	430
0	-17.8	Q(Btu/h)	11890	7620	8940	5990	2940	2030	13700	8780	10300	6900	3390	2340	15510	9940	11660	7810	3840	2650
		W	2020	1000	1550	1080	590	450	1920	960	1480	1030	570	430	1820	920	1410	980	550	410
-4	-20.0	Q(Btu/h)	10470	6160	7870	5280	2590	1790	12400	7300	9320	6250	3070	2120	14330	8440	10770	7220	3550	2450
		W	1930	880	1480	1040	580	450	1840	840	1410	990	560	430	1750	800	1340	940	540	410

* Above data is for heating operation without any frost.

MSZ-GL24NA
MUZ-GL24NA
1) COOLING

Rated
Q(Btu/h): 22500
W: 1800

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Min.
(°F)	(°C)																			
115	46.1	Q(Btu/h)	28360	20700	21270	14170	7090	6140	26850	19240	20140	13430	6720	5820	25240	17550	18920	12610	6310	5460
		W	4210	2070	3150	2070	1030	900	3970	2000	2980	1980	990	860	3770	1910	2820	1860	920	810
110	43.3	Q(Btu/h)	29610	21600	22210	14810	7400	6410	28030	20090	21030	14030	7020	6080	26340	18400	19760	13180	6590	5700
		W	4110	2030	3080	2020	1010	880	3880	1960	2910	1930	970	840	3690	1880	2760	1810	910	790
105	40.6	Q(Btu/h)	30840	22500	23130	15410	7700	6670	29200	20930	21900	14600	7300	6330	27440	19240	20580	13710	6850	5940
		W	4020	1990	3000	1980	980	860	3790	1910	2840	1890	940	820	3600	1840	2690	1780	880	770
100	37.8	Q(Btu/h)	32010	23350	24000	15990	8000	6930	30300	21720	22730	15150	7580	6570	28480	20200	21360	14230	7110	6160
		W	3910	1940	2930	1930	960	830	3690	1860	2770	1840	920	790	3510	1780	2620	1730	860	740
95	35.0	Q(Btu/h)	33170	24190	24870	16570	8280	7170	31400	22500	23550	15700	7850	6800	29510	21150	22130	14740	7370	6380
		W	3790	1890	2830	1860	930	810	3580	1800	2680	1780	890	770	3400	1720	2540	1670	830	720
90	32.2	Q(Btu/h)	34500	24980	25860	17240	8620	7470	32660	23400	24490	16330	8170	7080	30700	21940	23010	15340	7670	6640
		W	3660	1830	2740	1810	900	780	3450	1740	2590	1730	870	750	3280	1660	2450	1630	810	700
85	29.4	Q(Btu/h)	35820	25760	26850	17900	8940	7750	33910	24300	25430	16960	8480	7350	31870	22730	23890	15930	7960	6890
		W	3510	1760	2620	1740	860	750	3310	1670	2480	1660	830	720	3150	1590	2350	1560	780	680
80	26.7	Q(Btu/h)	37150	26660	27860	18550	9270	8030	35170	25200	26380	17580	8790	7620	33060	23630	24790	16510	8250	7150
		W	3350	1680	2510	1650	820	720	3160	1590	2370	1580	790	690	3000	1520	2240	1490	740	650
75	23.9	Q(Btu/h)	38470	27560	28850	19230	9620	8330	36420	26100	27320	18220	9120	7900	34230	24530	25670	17110	8560	7410
		W	3190	1600	2390	1580	790	690	3010	1510	2260	1510	760	660	2860	1440	2140	1420	710	620
70	21.1	Q(Btu/h)	39800	28510	29840	19870	9940	8600	37680	27000	28260	18830	9420	8160	35410	25380	26550	17680	8840	7650
		W	3030	1530	2260	1500	750	650	2860	1440	2140	1430	720	620	2720	1370	2030	1340	670	580
65	18.3	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
60	15.6	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
55	12.8	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
50	10.0	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
45	7.2	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
40	4.4	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
35	1.7	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
30	-1.1	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
25	-3.9	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
20	-6.7	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
15	-9.4	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660

* It may not reach the above capacities in low ambient temperatures.

MSZ-GL24NA
MUZ-GL24NA
2) HEATING

Rated
Q(Btu/h): 27600
W: 2340

Indoor D.B.			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
Outdoor W.B.		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Min.
(°F)	(°C)																			
65	18.3	Q(Btu/h)	36700	26980	27530	18350	9180	7960	38200	28080	28650	19100	9550	8280	39700	29180	29770	19850	9920	8600
		W	4060	2670	3040	2030	1010	870	3850	2530	2890	1930	960	830	3640	2390	2740	1830	910	790
60	15.6	Q(Btu/h)	36620	28870	27460	18310	9150	7940	38200	30120	28650	19100	9550	8280	39780	31370	29840	19890	9950	8620
		W	4000	2640	3000	2000	1000	860	3800	2510	2850	1900	950	820	3600	2380	2700	1800	900	780
55	12.8	Q(Btu/h)	36490	30710	27370	18250	9120	7910	38200	32150	28650	19100	9550	8280	39910	33590	29930	19950	9980	8650
		W	3940	2610	2960	1980	990	850	3740	2480	2810	1880	940	810	3540	2350	2660	1780	890	770
50	10.0	Q(Btu/h)	35790	28830	26840	17890	8950	7760	37600	30290	28200	18800	9400	8150	39410	31750	29560	19710	9850	8540
		W	3890	2570	2920	1950	980	850	3690	2440	2770	1850	930	810	3490	2310	2620	1750	880	770
45	7.2	Q(Btu/h)	35090	26960	26320	17540	8770	7610	37000	28430	27750	18500	9250	8020	38910	29900	29180	19460	9730	8430
		W	3820	2520	2880	1920	960	830	3630	2390	2730	1820	910	790	3440	2260	2580	1720	860	750
43	6.1	Q(Btu/h)	34940	26130	26210	17470	8740	7580	36900	27600	27680	18450	9230	8000	38860	29070	29150	19430	9720	8420
		W	3770	2470	2820	1880	940	810	3580	2340	2680	1780	890	770	3390	2210	2540	1680	840	730
40	4.4	Q(Btu/h)	32550	24970	24410	16280	8140	7050	34450	26430	25840	17230	8610	7460	36350	27890	27270	18180	9080	7870
		W	3740	2430	2800	1880	940	810	3550	2310	2660	1780	890	770	3360	2190	2520	1680	840	730
35	1.7	Q(Btu/h)	30120	23000	22590	15060	7530	6520	32000	24430	24000	16000	8000	6930	33880	25860	25410	16940	8470	7340
		W	3710	2340	2780	1850	930	800	3520	2220	2640	1760	880	760	3330	2100	2500	1670	830	720
30	-1.1	Q(Btu/h)	27710	21160	20780	13860	6930	6000	29550	22570	22160	14780	7390	6400	31390	23980	23540	15700	7850	6800
		W	3660	2220	2740	1820	910	790	3470	2110	2600	1730	860	750	3280	2000	2460	1640	810	710
25	-3.9	Q(Btu/h)	25290	19320	18970	12640	6330	5490	27100	20700	20330	13550	6780	5880	28910	22080	21690	14460	7230	6270
		W	3590	2110	2700	1800	910	790	3410	2000	2560	1710	860	750	3230	1890	2420	1620	810	710
20	-6.7	Q(Btu/h)	23970	17470	17980	11990	5990	5190	25850	18840	19390	12930	6460	5600	27730	20210	20800	13870	6930	6010
		W	3470	1940	2600	1740	870	760	3290	1840	2470	1650	830	720	3110	1740	2340	1560	790	680
15	-9.4	Q(Btu/h)	22600	15590	16950	11300	5650	4900	24600	16970	18450	12300	6150	5330	26600	18350	19950	13300	6650	5760
		W	3330	1770	2490	1660	830	720	3160	1680	2360	1580	790	680	2990	1590	2230	1500	750	640
10	-12.2	Q(Btu/h)	20320	13640	15240	10160	5080	4400	22400	15040	16800	11200	5600	4850	24480	16440	18360	12240	6120	5300
		W	3240	1580	2430	1620	810	710	3080	1500	2310	1540	770	670	2920	1420	2190	1460	730	630
5	-15.0	Q(Btu/h)	17990	11680	13490	9000	4500	3900	20200	13110	15150	10100	5050	4380	22410	14540	16810	11200	5600	4860
		W	3150	1390	2360	1570	780	670	2990	1320	2240	1490	740	640	2830	1250	2120	1410	700	610
0	-17.8	Q(Btu/h)	15620	9730	11720	7810	3910	3390	18000	11210	13500	9000	4500	3900	20380	12690	15280	10190	5090	4410
		W	3060	1290	2300	1530	770	660	2900	1220	2180	1450	730	630	2740	1150	2060	1370	690	600
-4	-20.0	Q(Btu/h)	13340	7850	10010	6670	3340	2890	15800	9300	11850	7900	3950	3420	18260	10750	13690	9130	4560	3950
		W	2930	1180	2190	1450	730	630	2780	1120	2080	1380	690	600	2630	1060	1970	1310	650	570

* Above data is for heating operation without any frost.

MSZ-GL24NA
MUZ-GL24NAH
1) COOLING

Rated
Q(Btu/h): 22500
W: 1800

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Min.
(°F)	(°C)																			
115	46.1	Q(Btu/h)	28360	20700	21270	14170	7090	6140	26850	19240	20140	13430	6720	5820	25240	17550	18920	12610	6310	5460
		W	4210	2070	3150	2070	1030	900	3970	2000	2980	1980	990	860	3770	1910	2820	1860	920	810
110	43.3	Q(Btu/h)	29610	21600	22210	14810	7400	6410	28030	20090	21030	14030	7020	6080	26340	18400	19760	13180	6590	5700
		W	4110	2030	3080	2020	1010	880	3880	1960	2910	1930	970	840	3690	1880	2760	1810	910	790
105	40.6	Q(Btu/h)	30840	22500	23130	15410	7700	6670	29200	20930	21900	14600	7300	6330	27440	19240	20580	13710	6850	5940
		W	4020	1990	3000	1980	980	860	3790	1910	2840	1890	940	820	3600	1840	2690	1780	880	770
100	37.8	Q(Btu/h)	32010	23350	24000	15990	8000	6930	30300	21720	22730	15150	7580	6570	28480	20200	21360	14230	7110	6160
		W	3910	1940	2930	1930	960	830	3690	1860	2770	1840	920	790	3510	1780	2620	1730	860	740
95	35.0	Q(Btu/h)	33170	24190	24870	16570	8280	7170	31400	22500	23550	15700	7850	6800	29510	21150	22130	14740	7370	6380
		W	3790	1890	2830	1860	930	810	3580	1800	2680	1780	890	770	3400	1720	2540	1670	830	720
90	32.2	Q(Btu/h)	34500	24980	25860	17240	8620	7470	32660	23400	24490	16330	8170	7080	30700	21940	23010	15340	7670	6640
		W	3660	1830	2740	1810	900	780	3450	1740	2590	1730	870	750	3280	1660	2450	1630	810	700
85	29.4	Q(Btu/h)	35820	25760	26850	17900	8940	7750	33910	24300	25430	16960	8480	7350	31870	22730	23890	15930	7960	6890
		W	3510	1760	2620	1740	860	750	3310	1670	2480	1660	830	720	3150	1590	2350	1560	780	680
80	26.7	Q(Btu/h)	37150	26660	27860	18550	9270	8030	35170	25200	26380	17580	8790	7620	33060	23630	24790	16510	8250	7150
		W	3350	1680	2510	1650	820	720	3160	1590	2370	1580	790	690	3000	1520	2240	1490	740	650
75	23.9	Q(Btu/h)	38470	27560	28850	19230	9620	8330	36420	26100	27320	18220	9120	7900	34230	24530	25670	17110	8560	7410
		W	3190	1600	2390	1580	790	690	3010	1510	2260	1510	760	660	2860	1440	2140	1420	710	620
70	21.1	Q(Btu/h)	39800	28510	29840	19870	9940	8600	37680	27000	28260	18830	9420	8160	35410	25380	26550	17680	8840	7650
		W	3030	1530	2260	1500	750	650	2860	1440	2140	1430	720	620	2720	1370	2030	1340	670	580
65	18.3	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
60	15.6	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
55	12.8	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
50	10.0	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
45	7.2	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
40	4.4	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
35	1.7	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
30	-1.1	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
25	-3.9	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
20	-6.7	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
15	-9.4	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660

* It may not reach the above capacities in low ambient temperatures.

MSZ-GL24NA
MUZ-GL24NAH
2) HEATING

Rated
Q(Btu/h): 27600
W: 2340

Indoor D.B.			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
Outdoor W.B.		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Min.
(°F)	(°C)																			
65	18.3	Q(Btu/h)	36700	26980	27530	18350	9180	7960	38200	28080	28650	19100	9550	8280	39700	29180	29770	19850	9920	8600
		W	4060	2670	3040	2030	1010	870	3850	2530	2890	1930	960	830	3640	2390	2740	1830	910	790
60	15.6	Q(Btu/h)	36620	28870	27460	18310	9150	7940	38200	30120	28650	19100	9550	8280	39780	31370	29840	19890	9950	8620
		W	4000	2640	3000	2000	1000	860	3800	2510	2850	1900	950	820	3600	2380	2700	1800	900	780
55	12.8	Q(Btu/h)	36490	30710	27370	18250	9120	7910	38200	32150	28650	19100	9550	8280	39910	33590	29930	19950	9980	8650
		W	3940	2610	2960	1980	990	850	3740	2480	2810	1880	940	810	3540	2350	2660	1780	890	770
50	10.0	Q(Btu/h)	35790	28830	26840	17890	8950	7760	37600	30290	28200	18800	9400	8150	39410	31750	29560	19710	9850	8540
		W	3890	2570	2920	1950	980	850	3690	2440	2770	1850	930	810	3490	2310	2620	1750	880	770
45	7.2	Q(Btu/h)	35090	26960	26320	17540	8770	7610	37000	28430	27750	18500	9250	8020	38910	29900	29180	19460	9730	8430
		W	3820	2520	2880	1920	960	830	3630	2390	2730	1820	910	790	3440	2260	2580	1720	860	750
43	6.1	Q(Btu/h)	34940	26130	26210	17470	8740	7580	36900	27600	27680	18450	9230	8000	38860	29070	29150	19430	9720	8420
		W	3770	2470	2820	1880	940	810	3580	2340	2680	1780	890	770	3390	2210	2540	1680	840	730
40	4.4	Q(Btu/h)	32550	24970	24410	16280	8140	7050	34450	26430	25840	17230	8610	7460	36350	27890	27270	18180	9080	7870
		W	3740	2430	2800	1880	940	810	3550	2310	2660	1780	890	770	3360	2190	2520	1680	840	730
35	1.7	Q(Btu/h)	30120	23000	22590	15060	7530	6520	32000	24430	24000	16000	8000	6930	33880	25860	25410	16940	8470	7340
		W	3710	2340	2780	1850	930	800	3520	2220	2640	1760	880	760	3330	2100	2500	1670	830	720
30	-1.1	Q(Btu/h)	27710	21160	20780	13860	6930	6000	29550	22570	22160	14780	7390	6400	31390	23980	23540	15700	7850	6800
		W	3790	2350	2870	1950	1040	920	3600	2240	2730	1860	990	880	3410	2130	2590	1770	940	840
25	-3.9	Q(Btu/h)	25290	19320	18970	12640	6330	5490	27100	20700	20330	13550	6780	5880	28910	22080	21690	14460	7230	6270
		W	3720	2240	2830	1930	1040	920	3540	2130	2690	1840	990	880	3360	2020	2550	1750	940	840
20	-6.7	Q(Btu/h)	23970	17470	17980	11990	5990	5190	25850	18840	19390	12930	6460	5600	27730	20210	20800	13870	6930	6010
		W	3600	2070	2730	1870	1000	890	3420	1970	2600	1780	960	850	3240	1870	2470	1690	920	810
15	-9.4	Q(Btu/h)	22600	15590	16950	11300	5650	4900	24600	16970	18450	12300	6150	5330	26600	18350	19950	13300	6650	5760
		W	3460	1900	2620	1790	960	850	3290	1810	2490	1710	920	810	3120	1720	2360	1630	880	770
10	-12.2	Q(Btu/h)	20320	13640	15240	10160	5080	4400	22400	15040	16800	11200	5600	4850	24480	16440	18360	12240	6120	5300
		W	3370	1710	2560	1750	940	840	3210	1630	2440	1670	900	800	3050	1550	2320	1590	860	760
5	-15.0	Q(Btu/h)	17990	11680	13490	9000	4500	3900	20200	13110	15150	10100	5050	4380	22410	14540	16810	11200	5600	4860
		W	3280	1520	2490	1700	910	800	3120	1450	2370	1620	870	770	2960	1380	2250	1540	830	740
0	-17.8	Q(Btu/h)	15620	9730	11720	7810	3910	3390	18000	11210	13500	9000	4500	3900	20380	12690	15280	10190	5090	4410
		W	3190	1420	2430	1660	900	790	3030	1350	2310	1580	860	760	2870	1280	2190	1500	820	730
-4	-20.0	Q(Btu/h)	13340	7850	10010	6670	3340	2890	15800	9300	11850	7900	3950	3420	18260	10750	13690	9130	4560	3950
		W	3060	1310	2320	1580	860	760	2910	1250	2210	1510	820	730	2760	1190	2100	1440	780	700

* Above data is for heating operation without any frost.

MSY-GL09NA
MUY-GL09NA
1) COOLING

Rated
Q(Btu/h): 9000
W: 585

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Min.
(°F)	(°C)																			
115	46.1	Q(Btu/h)	11020	8280	8290	5570	-	3320	10430	7700	7850	5270	-	3140	9800	7020	7380	4960	-	2960
		W	1240	670	930	650	-	400	1170	650	880	600	-	360	1120	620	840	590	-	360
110	43.3	Q(Btu/h)	11510	8640	8660	5830	-	3470	10890	8040	8200	5510	-	3280	10240	7360	7710	5190	-	3090
		W	1200	660	910	630	-	390	1140	640	860	580	-	350	1090	610	820	570	-	350
105	40.6	Q(Btu/h)	11990	9000	9020	6060	-	3610	11350	8370	8540	5730	-	3410	10670	7700	8030	5390	-	3210
		W	1170	650	880	600	-	370	1110	620	830	550	-	330	1060	600	790	540	-	330
100	37.8	Q(Btu/h)	12450	9340	9370	6290	-	3750	11780	8690	8870	5950	-	3540	11070	8080	8340	5600	-	3330
		W	1140	630	870	600	-	370	1080	600	820	550	-	330	1030	580	780	540	-	330
95	35.0	Q(Btu/h)	12890	9680	9700	6520	-	3900	12200	9000	9180	6170	-	3680	11470	8460	8630	5810	-	3460
		W	1110	610	840	590	-	370	1050	585	790	540	-	330	1000	560	750	530	-	330
90	32.2	Q(Btu/h)	13410	10000	10090	6780	-	4040	12690	9360	9550	6410	-	3820	11930	8780	8980	6030	-	3600
		W	1070	590	810	550	-	330	1010	560	760	500	-	300	960	540	730	490	-	300
85	29.4	Q(Btu/h)	13930	10310	10480	7040	-	4200	13180	9720	9920	6660	-	3970	12390	9090	9320	6270	-	3740
		W	1030	570	770	550	-	330	970	540	730	500	-	300	930	520	700	490	-	300
80	26.7	Q(Btu/h)	14440	10670	10870	7320	-	4360	13670	10080	10290	6920	-	4120	12850	9450	9670	6510	-	3880
		W	980	550	740	510	-	310	930	520	700	470	-	280	890	500	670	460	-	280
75	23.9	Q(Btu/h)	14950	11030	11250	7560	-	4510	14150	10440	10650	7150	-	4260	13300	9810	10010	6730	-	4010
		W	930	520	700	480	-	290	880	490	660	440	-	260	840	470	630	430	-	260
70	21.1	Q(Btu/h)	15470	11410	11640	7810	-	4660	14640	10800	11020	7390	-	4400	13760	10150	10360	6960	-	4140
		W	890	500	670	470	-	290	840	470	630	430	-	260	800	450	600	420	-	260
65	18.3	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
60	15.6	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
55	12.8	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
50	10.0	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
45	7.2	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
40	4.4	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
35	1.7	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
30	-1.1	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
25	-3.9	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
20	-6.7	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
15	-9.4	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300

* It may not reach the above capacities in low ambient temperatures.

MSY-GL12NA
MUY-GL12NA
1) COOLING

Rated
Q(Btu/h): 12000
W: 920

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Min.
(°F)	(°C)																			
115	46.1	Q(Btu/h)	12280	11040	9270	6130	3130	1260	11630	10260	8780	5810	2970	1190	10920	9360	8240	5450	2790	1120
		W	1530	1060	1150	760	390	150	1440	1020	1080	710	360	140	1370	980	1030	680	350	130
110	43.3	Q(Btu/h)	12820	11520	9680	6400	3260	1310	12140	10710	9170	6070	3090	1240	11400	9810	8610	5690	2900	1170
		W	1500	1040	1140	760	390	150	1410	1000	1070	710	360	140	1350	960	1020	680	350	130
105	40.6	Q(Btu/h)	13360	12000	10080	6670	3410	1360	12650	11160	9550	6330	3230	1290	11880	10260	8970	5940	3030	1220
		W	1470	1020	1100	740	380	150	1380	980	1040	690	350	140	1320	940	990	660	340	130
100	37.8	Q(Btu/h)	13860	12450	10460	6920	3520	1410	13130	11580	9910	6560	3340	1340	12330	10770	9300	6150	3130	1270
		W	1430	1000	1070	710	360	140	1340	950	1010	660	340	130	1280	910	960	640	330	120
95	35.0	Q(Btu/h)	14360	12900	10840	7160	3660	1470	13600	12000	10270	6790	3470	1390	12770	11280	9640	6370	3250	1310
		W	1380	970	1040	710	360	140	1300	920	980	660	340	130	1240	880	930	640	330	120
90	32.2	Q(Btu/h)	14940	13320	11280	7470	3810	1520	14150	12480	10690	7080	3610	1440	13290	11700	10040	6640	3390	1360
		W	1330	940	1000	670	330	130	1250	890	940	620	310	120	1190	850	890	600	300	110
85	29.4	Q(Btu/h)	15510	13740	11700	7740	3940	1580	14690	12960	11090	7340	3740	1500	13800	12120	10410	6880	3510	1420
		W	1280	900	970	650	330	130	1200	850	910	610	310	120	1140	810	870	590	300	110
80	26.7	Q(Btu/h)	16090	14220	12140	8040	4100	1650	15240	13440	11500	7620	3890	1560	14310	12600	10800	7150	3650	1470
		W	1220	860	920	610	300	120	1150	810	870	570	280	110	1100	780	830	550	270	100
75	23.9	Q(Btu/h)	16660	14700	12580	8320	4250	1700	15780	13920	11920	7890	4030	1610	14820	13080	11190	7400	3780	1520
		W	1160	820	870	590	300	120	1090	770	820	550	280	110	1040	740	780	530	270	100
70	21.1	Q(Btu/h)	17230	15210	13000	8600	4390	1760	16320	14400	12320	8160	4160	1670	15330	13530	11570	7650	3900	1580
		W	1110	780	830	550	280	110	1040	730	780	510	260	100	990	700	740	490	250	90
65	18.3	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
60	15.6	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
55	12.8	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
50	10.0	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
45	7.2	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
40	4.4	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
35	1.7	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
30	-1.1	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
25	-3.9	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
20	-6.7	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
15	-9.4	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80

* It may not reach the above capacities in low ambient temperatures.

MSY-GL15NA
MUY-GL15NA
1) COOLING

Rated
Q(Btu/h): 14000
W: 1080

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Min.
(°F)	(°C)																			
115	46.1	Q(Btu/h)	16440	12880	12410	8210	4200	2730	15560	11970	11750	7780	3980	2590	14620	10920	11040	7310	3740	2430
		W	2350	1240	1770	1200	610	390	2220	1200	1680	1120	580	380	2110	1140	1600	1080	550	350
110	43.3	Q(Btu/h)	17170	13440	12970	8580	4390	2860	16250	12500	12280	8130	4160	2710	15270	11450	11540	7640	3910	2540
		W	2300	1220	1730	1160	580	370	2170	1170	1640	1080	550	360	2070	1120	1560	1040	520	330
105	40.6	Q(Btu/h)	17880	14000	13500	8950	4580	2980	16930	13020	12790	8480	4340	2830	15910	11970	12020	7970	4070	2650
		W	2250	1190	1690	1150	580	370	2120	1140	1600	1070	550	360	2020	1100	1520	1030	520	330
100	37.8	Q(Btu/h)	18560	14530	14010	9270	4740	3090	17570	13510	13270	8780	4490	2930	16510	12570	12470	8250	4220	2750
		W	2180	1160	1640	1100	550	350	2060	1110	1550	1030	530	340	1960	1070	1480	990	510	320
95	35.0	Q(Btu/h)	19230	15050	14520	9610	4910	3190	18200	14000	13750	9100	4650	3030	17110	13160	12920	8550	4370	2840
		W	2120	1130	1590	1070	530	340	2000	1080	1510	1000	510	330	1900	1030	1440	960	490	310
90	32.2	Q(Btu/h)	20000	15540	15110	10010	5120	3330	18930	14560	14310	9480	4850	3160	17790	13650	13450	8910	4550	2960
		W	2040	1090	1540	1050	520	340	1930	1040	1460	980	500	330	1840	1000	1390	940	480	310
85	29.4	Q(Btu/h)	20770	16030	15680	10380	5310	3460	19660	15120	14850	9830	5030	3280	18480	14140	13960	9230	4720	3080
		W	1960	1050	1480	1000	500	320	1850	1000	1400	930	480	310	1760	960	1330	900	460	290
80	26.7	Q(Btu/h)	21540	16590	16260	10760	5490	3570	20390	15680	15400	10190	5200	3390	19160	14700	14470	9570	4880	3180
		W	1880	1010	1400	940	470	300	1770	960	1330	880	450	290	1690	910	1270	850	430	270
75	23.9	Q(Btu/h)	22300	17150	16840	11150	5700	3710	21110	16240	15950	10560	5400	3520	19840	15260	14990	9920	5070	3300
		W	1780	960	1340	890	450	290	1680	910	1270	830	430	280	1600	860	1210	800	410	260
70	21.1	Q(Btu/h)	23070	17740	17420	11540	5900	3840	21840	16800	16500	10930	5590	3640	20530	15790	15510	10270	5250	3410
		W	1700	910	1280	860	430	280	1600	860	1210	800	410	270	1520	810	1150	770	390	250
65	18.3	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
60	15.6	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
55	12.8	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
50	10.0	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
45	7.2	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
40	4.4	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
35	1.7	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
30	-1.1	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
25	-3.9	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
20	-6.7	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
15	-9.4	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260

* It may not reach the above capacities in low ambient temperatures.

MSY-GL18NA
MUY-GL18NA
1) COOLING

Rated
Q(Btu/h): 18000
W: 1340

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Min.
(°F)	(°C)																			
115	46.1	Q(Btu/h)	19860	16560	15000	9930	5050	4040	18810	15390	14200	9400	4790	3830	17670	14040	13350	8830	4500	3590
		W	2520	1540	1900	1250	620	500	2390	1490	1810	1200	610	490	2270	1420	1720	1130	560	450
110	43.3	Q(Btu/h)	20740	17280	15670	10370	5290	4230	19640	16070	14830	9820	5010	4010	18450	14720	13940	9230	4700	3760
		W	2470	1510	1860	1220	600	490	2340	1460	1770	1170	590	480	2220	1400	1680	1110	540	440
105	40.6	Q(Btu/h)	21610	18000	16320	10800	5510	4400	20460	16740	15450	10220	5220	4170	19230	15390	14530	9600	4900	3910
		W	2410	1480	1810	1200	600	480	2280	1420	1720	1150	590	470	2170	1370	1630	1090	540	430
100	37.8	Q(Btu/h)	22420	18680	16940	11210	5710	4570	21230	17370	16030	10610	5410	4330	19950	16160	15070	9970	5080	4060
		W	2340	1450	1760	1150	570	460	2220	1380	1670	1100	560	450	2110	1330	1580	1040	510	410
95	35.0	Q(Btu/h)	23230	19350	17560	11620	5920	4740	22000	18000	16620	11000	5610	4490	20670	16920	15630	10340	5270	4210
		W	2270	1410	1700	1120	550	440	2150	1340	1620	1070	540	430	2040	1280	1540	1010	490	400
90	32.2	Q(Btu/h)	24160	19980	18260	12090	6160	4930	22880	18720	17280	11440	5840	4670	21500	17550	16250	10750	5480	4380
		W	2180	1360	1640	1090	540	440	2070	1290	1560	1040	530	430	1970	1240	1480	980	480	400
85	29.4	Q(Btu/h)	25090	20610	18970	12550	6400	5120	23760	19440	17950	11880	6060	4850	22330	18180	16880	11160	5690	4550
		W	2100	1310	1590	1040	520	420	1990	1240	1510	1000	510	410	1890	1190	1430	950	470	380
80	26.7	Q(Btu/h)	26020	21330	19660	13020	6630	5310	24640	20160	18610	12320	6280	5030	23150	18900	17500	11580	5890	4720
		W	2000	1250	1510	1000	500	400	1900	1190	1440	960	490	390	1810	1130	1370	910	450	360
75	23.9	Q(Btu/h)	26950	22050	20360	13480	6870	5500	25520	20880	19270	12760	6510	5210	23980	19620	18120	11990	6110	4890
		W	1910	1190	1440	950	480	380	1810	1130	1370	910	470	370	1720	1070	1300	860	430	340
70	21.1	Q(Btu/h)	27880	22810	21070	13960	7110	5690	26400	21600	19940	13210	6740	5390	24810	20300	18750	12410	6330	5060
		W	1800	1130	1370	900	450	360	1710	1070	1300	860	440	350	1620	1010	1230	810	400	320
65	18.3	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
60	15.6	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
55	12.8	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
50	10.0	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
45	7.2	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
40	4.4	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
35	1.7	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
30	-1.1	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
25	-3.9	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
20	-6.7	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
15	-9.4	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360

* It may not reach the above capacities in low ambient temperatures.

MSY-GL24NA
MUY-GL24NA
1) COOLING

Rated
Q(Btu/h): 22500
W: 1800

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Min.
(°F)	(°C)																			
115	46.1	Q(Btu/h)	28360	20700	21270	14170	7090	6140	26850	19240	20140	13430	6720	5820	25240	17550	18920	12610	6310	5460
		W	4210	2070	3150	2070	1030	900	3970	2000	2980	1980	990	860	3770	1910	2820	1860	920	810
110	43.3	Q(Btu/h)	29610	21600	22210	14810	7400	6410	28030	20090	21030	14030	7020	6080	26340	18400	19760	13180	6590	5700
		W	4110	2030	3080	2020	1010	880	3880	1960	2910	1930	970	840	3690	1880	2760	1810	910	790
105	40.6	Q(Btu/h)	30840	22500	23130	15410	7700	6670	29200	20930	21900	14600	7300	6330	27440	19240	20580	13710	6850	5940
		W	4020	1990	3000	1980	980	860	3790	1910	2840	1890	940	820	3600	1840	2690	1780	880	770
100	37.8	Q(Btu/h)	32010	23350	24000	15990	8000	6930	30300	21720	22730	15150	7580	6570	28480	20200	21360	14230	7110	6160
		W	3910	1940	2930	1930	960	830	3690	1860	2770	1840	920	790	3510	1780	2620	1730	860	740
95	35.0	Q(Btu/h)	33170	24190	24870	16570	8280	7170	31400	22500	23550	15700	7850	6800	29510	21150	22130	14740	7370	6380
		W	3790	1890	2830	1860	930	810	3580	1800	2680	1780	890	770	3400	1720	2540	1670	830	720
90	32.2	Q(Btu/h)	34500	24980	25860	17240	8620	7470	32660	23400	24490	16330	8170	7080	30700	21940	23010	15340	7670	6640
		W	3660	1830	2740	1810	900	780	3450	1740	2590	1730	870	750	3280	1660	2450	1630	810	700
85	29.4	Q(Btu/h)	35820	25760	26850	17900	8940	7750	33910	24300	25430	16960	8480	7350	31870	22730	23890	15930	7960	6890
		W	3510	1760	2620	1740	860	750	3310	1670	2480	1660	830	720	3150	1590	2350	1560	780	680
80	26.7	Q(Btu/h)	37150	26660	27860	18550	9270	8030	35170	25200	26380	17580	8790	7620	33060	23630	24790	16510	8250	7150
		W	3350	1680	2510	1650	820	720	3160	1590	2370	1580	790	690	3000	1520	2240	1490	740	650
75	23.9	Q(Btu/h)	38470	27560	28850	19230	9620	8330	36420	26100	27320	18220	9120	7900	34230	24530	25670	17110	8560	7410
		W	3190	1600	2390	1580	790	690	3010	1510	2260	1510	760	660	2860	1440	2140	1420	710	620
70	21.1	Q(Btu/h)	39800	28510	29840	19870	9940	8600	37680	27000	28260	18830	9420	8160	35410	25380	26550	17680	8840	7650
		W	3030	1530	2260	1500	750	650	2860	1440	2140	1430	720	620	2720	1370	2030	1340	670	580
65	18.3	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
60	15.6	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
55	12.8	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
50	10.0	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
45	7.2	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
40	4.4	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
35	1.7	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
30	-1.1	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
25	-3.9	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
20	-6.7	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
15	-9.4	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660

* It may not reach the above capacities in low ambient temperatures.

MSZ-HM09NA
MUZ-HM09NA
1) COOLING

Rated
Q(Btu/h): 9000
W: 750

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
115	46.1	Q(Btu/h)	9030	8280	6790	4560	-	3430	8550	7700	6440	4330	-	3250	8030	7020	6050	4060	-	3050
		W	1010	860	760	530	-	280	940	830	710	480	-	270	900	800	680	480	-	260
110	43.3	Q(Btu/h)	9430	8640	7100	4760	-	3580	8930	8040	6730	4520	-	3390	8390	7360	6320	4240	-	3180
		W	980	850	740	510	-	270	920	820	690	460	-	260	880	790	660	460	-	250
105	40.6	Q(Btu/h)	9820	9000	7390	4970	-	3730	9300	8370	7010	4720	-	3530	8740	7700	6580	4420	-	3310
		W	960	830	730	500	-	260	900	800	680	450	-	250	860	770	650	450	-	240
100	37.8	Q(Btu/h)	10190	9340	7670	5150	-	3880	9650	8690	7270	4890	-	3670	9070	8080	6830	4580	-	3450
		W	940	810	720	500	-	260	880	780	670	450	-	250	840	750	640	450	-	240
95	35.0	Q(Btu/h)	10560	9680	7940	5330	-	4020	10000	9000	7530	5060	-	3800	9400	8460	7070	4740	-	3570
		W	910	790	690	490	-	250	850	750	640	440	-	240	810	720	620	440	-	230
90	32.2	Q(Btu/h)	10980	10000	8260	5540	-	4170	10400	9360	7830	5260	-	3950	9770	8780	7360	4930	-	3710
		W	880	760	670	460	-	240	820	720	620	410	-	230	790	690	600	410	-	220
85	29.4	Q(Btu/h)	11410	10310	8580	5760	-	4330	10800	9720	8130	5470	-	4100	10150	9090	7640	5130	-	3850
		W	850	730	630	450	-	230	790	690	590	400	-	220	760	660	570	400	-	210
80	26.7	Q(Btu/h)	11830	10670	8900	5980	-	4500	11200	10080	8440	5680	-	4260	10520	9450	7930	5320	-	4000
		W	800	700	610	430	-	220	750	660	570	390	-	210	720	630	550	390	-	200
75	23.9	Q(Btu/h)	12250	11030	9220	6200	-	4660	11600	10440	8740	5890	-	4410	10900	9810	8210	5520	-	4140
		W	760	670	570	390	-	210	710	630	530	350	-	200	680	600	510	350	-	190
70	21.1	Q(Btu/h)	12670	11410	9540	6400	-	4820	12000	10800	9040	6080	-	4560	11280	10150	8490	5700	-	4280
		W	730	640	550	380	-	200	680	600	510	340	-	190	650	570	490	340	-	180
65	18.3	Q(Btu/h)	10820	9750	8160	5480	-	4180	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3710
		W	830	730	630	450	-	330	770	680	580	400	-	310	740	650	560	400	-	290
60	15.6	Q(Btu/h)	10820	9750	8160	5480	-	4180	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3710
		W	830	730	630	450	-	330	770	680	580	400	-	310	740	650	560	400	-	290
55	12.8	Q(Btu/h)	10820	9750	8160	5480	-	4180	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3710
		W	830	730	630	450	-	330	770	680	580	400	-	310	740	650	560	400	-	290
50	10.0	Q(Btu/h)	10820	9750	8160	5480	-	4180	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3710
		W	830	730	630	450	-	330	770	680	580	400	-	310	740	650	560	400	-	290
45	7.2	Q(Btu/h)	10820	9750	8160	5480	-	4180	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3710
		W	830	730	630	450	-	330	770	680	580	400	-	310	740	650	560	400	-	290
40	4.4	Q(Btu/h)	10820	9750	8160	5480	-	4180	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3710
		W	830	730	630	450	-	330	770	680	580	400	-	310	740	650	560	400	-	290
35	1.7	Q(Btu/h)	10820	9750	8160	5480	-	4180	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3710
		W	830	730	630	450	-	330	770	680	580	400	-	310	740	650	560	400	-	290
30	-1.1	Q(Btu/h)	10820	9750	8160	5480	-	4180	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3710
		W	830	730	630	450	-	330	770	680	580	400	-	310	740	650	560	400	-	290
25	-3.9	Q(Btu/h)	10820	9750	8160	5480	-	4180	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3710
		W	830	730	630	450	-	330	770	680	580	400	-	310	740	650	560	400	-	290
20	-6.7	Q(Btu/h)	10820	9750	8160	5480	-	4180	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3710
		W	830	730	630	450	-	330	770	680	580	400	-	310	740	650	560	400	-	290
15	-9.4	Q(Btu/h)	10820	9750	8160	5480	-	4180	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3710
		W	830	730	630	450	-	330	770	680	580	400	-	310	740	650	560	400	-	290

* It may not reach the above capacities in low ambient temperatures.

MSZ-HM09NA
MUZ-HM09NA
2) HEATING

Rated
Q(Btu/h): 10900
W: 900

Indoor D.B.			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
65	18.3	Q(Btu/h)	14610	13620	11030	7300	-	4860	15200	14170	11480	7600	-	5060	15790	14720	11930	7900	-	5260
		W	1320	1020	990	660	-	440	1250	970	940	630	-	420	1180	920	890	600	-	400
60	15.6	Q(Btu/h)	13900	12880	10510	6950	-	4640	14500	13440	10960	7250	-	4840	15100	14000	11410	7550	-	5040
		W	1250	1010	950	620	-	410	1190	960	900	590	-	390	1130	910	850	560	-	370
55	12.8	Q(Btu/h)	13180	12130	9960	6590	-	4390	13800	12700	10430	6900	-	4600	14420	13270	10900	7210	-	4810
		W	1190	1000	910	600	-	400	1130	950	860	570	-	380	1070	900	810	540	-	360
50	10.0	Q(Btu/h)	12420	11390	9390	6220	-	4150	13050	11970	9860	6530	-	4360	13680	12550	10330	6840	-	4570
		W	1140	990	850	560	-	370	1080	940	810	530	-	350	1020	890	770	500	-	330
45	7.2	Q(Btu/h)	11660	10650	8810	5830	-	3890	12300	11230	9290	6150	-	4100	12940	11810	9770	6470	-	4310
		W	1070	970	810	540	-	360	1020	920	770	510	-	340	970	870	730	480	-	320
43	6.1	Q(Btu/h)	11170	10320	8450	5590	-	3730	11800	10900	8920	5900	-	3940	12430	11480	9390	6210	-	4150
		W	1050	950	800	530	-	360	1000	900	760	500	-	340	950	850	720	470	-	320
40	4.4	Q(Btu/h)	10680	9860	8070	5340	-	3560	11300	10440	8540	5650	-	3770	11920	11020	9010	5960	-	3980
		W	1010	940	760	510	-	330	960	890	720	480	-	310	910	840	680	450	-	290
35	1.7	Q(Btu/h)	10170	9080	7680	5080	-	3390	10800	9650	8160	5400	-	3600	11430	10220	8640	5720	-	3810
		W	960	910	730	480	-	330	910	860	690	460	-	310	860	810	650	440	-	290
30	-1.1	Q(Btu/h)	9420	8360	7120	4720	-	3140	10050	8920	7590	5030	-	3350	10680	9480	8060	5340	-	3560
		W	900	860	670	450	-	310	850	820	640	430	-	290	800	780	610	410	-	270
25	-3.9	Q(Btu/h)	8680	7630	6560	4340	-	2890	9300	8180	7030	4650	-	3100	9920	8730	7500	4960	-	3310
		W	830	810	630	420	-	270	790	770	600	400	-	260	750	730	570	380	-	250
20	-6.7	Q(Btu/h)	7930	6900	5990	3970	-	2650	8550	7440	6460	4280	-	2860	9170	7980	6930	4590	-	3070
		W	780	750	600	400	-	260	740	710	570	380	-	250	700	670	540	360	-	240
15	-9.4	Q(Btu/h)	7170	6160	5410	3580	-	2390	7800	6700	5890	3900	-	2600	8430	7240	6370	4220	-	2810
		W	720	680	540	360	-	230	680	650	510	340	-	220	640	620	480	320	-	210
10	-12.2	Q(Btu/h)	6260	5390	4730	3130	-	2090	6900	5940	5210	3450	-	2300	7540	6490	5690	3770	-	2510
		W	660	610	510	340	-	230	630	580	480	320	-	220	600	550	450	300	-	210
5	-15.0	Q(Btu/h)	5340	4610	4030	2670	-	1780	6000	5180	4530	3000	-	2000	6660	5750	5030	3330	-	2220
		W	600	540	450	290	-	190	570	510	430	280	-	180	540	480	410	270	-	170
0	-17.8	Q(Btu/h)	4600	3620	3470	2300	-	1530	5300	4170	4000	2650	-	1760	6000	4720	4530	3000	-	1990
		W	540	460	410	270	-	180	510	440	390	260	-	170	480	420	370	250	-	160
-4	-20.0	Q(Btu/h)	3880	2660	2940	1940	-	1300	4600	3150	3480	2300	-	1540	5320	3640	4020	2660	-	1780
		W	470	380	360	240	-	170	450	360	340	230	-	160	430	340	320	220	-	150

* Above data is for heating operation without any frost.

MSZ-HM09NA
MUZ-HM09NAH
1) COOLING

Rated
Q(Btu/h): 9000
W: 750

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
115	46.1	Q(Btu/h)	9030	8280	6790	4560	-	3430	8550	7700	6440	4330	-	3250	8030	7020	6050	4060	-	3050
		W	1010	860	760	530	-	280	940	830	710	480	-	270	900	800	680	480	-	260
110	43.3	Q(Btu/h)	9430	8640	7100	4760	-	3580	8930	8040	6730	4520	-	3390	8390	7360	6320	4240	-	3180
		W	980	850	740	510	-	270	920	820	690	460	-	260	880	790	660	460	-	250
105	40.6	Q(Btu/h)	9820	9000	7390	4970	-	3730	9300	8370	7010	4720	-	3530	8740	7700	6580	4420	-	3310
		W	960	830	730	500	-	260	900	800	680	450	-	250	860	770	650	450	-	240
100	37.8	Q(Btu/h)	10190	9340	7670	5150	-	3880	9650	8690	7270	4890	-	3670	9070	8080	6830	4580	-	3450
		W	940	810	720	500	-	260	880	780	670	450	-	250	840	750	640	450	-	240
95	35.0	Q(Btu/h)	10560	9680	7940	5330	-	4020	10000	9000	7530	5060	-	3800	9400	8460	7070	4740	-	3570
		W	910	790	690	490	-	250	850	750	640	440	-	240	810	720	620	440	-	230
90	32.2	Q(Btu/h)	10980	10000	8260	5540	-	4170	10400	9360	7830	5260	-	3950	9770	8780	7360	4930	-	3710
		W	880	760	670	460	-	240	820	720	620	410	-	230	790	690	600	410	-	220
85	29.4	Q(Btu/h)	11410	10310	8580	5760	-	4330	10800	9720	8130	5470	-	4100	10150	9090	7640	5130	-	3850
		W	850	730	630	450	-	230	790	690	590	400	-	220	760	660	570	400	-	210
80	26.7	Q(Btu/h)	11830	10670	8900	5980	-	4500	11200	10080	8440	5680	-	4260	10520	9450	7930	5320	-	4000
		W	800	700	610	430	-	220	750	660	570	390	-	210	720	630	550	390	-	200
75	23.9	Q(Btu/h)	12250	11030	9220	6200	-	4660	11600	10440	8740	5890	-	4410	10900	9810	8210	5520	-	4140
		W	760	670	570	390	-	210	710	630	530	350	-	200	680	600	510	350	-	190
70	21.1	Q(Btu/h)	12670	11410	9540	6400	-	4820	12000	10800	9040	6080	-	4560	11280	10150	8490	5700	-	4280
		W	730	640	550	380	-	200	680	600	510	340	-	190	650	570	490	340	-	180
65	18.3	Q(Btu/h)	10820	9750	8160	5480	-	4180	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3710
		W	830	730	630	450	-	330	770	680	580	400	-	310	740	650	560	400	-	290
60	15.6	Q(Btu/h)	10820	9750	8160	5480	-	4180	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3710
		W	830	730	630	450	-	330	770	680	580	400	-	310	740	650	560	400	-	290
55	12.8	Q(Btu/h)	10820	9750	8160	5480	-	4180	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3710
		W	830	730	630	450	-	330	770	680	580	400	-	310	740	650	560	400	-	290
50	10.0	Q(Btu/h)	10820	9750	8160	5480	-	4180	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3710
		W	830	730	630	450	-	330	770	680	580	400	-	310	740	650	560	400	-	290
45	7.2	Q(Btu/h)	10820	9750	8160	5480	-	4180	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3710
		W	830	730	630	450	-	330	770	680	580	400	-	310	740	650	560	400	-	290
40	4.4	Q(Btu/h)	10820	9750	8160	5480	-	4180	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3710
		W	830	730	630	450	-	330	770	680	580	400	-	310	740	650	560	400	-	290
35	1.7	Q(Btu/h)	10820	9750	8160	5480	-	4180	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3710
		W	830	730	630	450	-	330	770	680	580	400	-	310	740	650	560	400	-	290
30	-1.1	Q(Btu/h)	10820	9750	8160	5480	-	4180	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3710
		W	830	730	630	450	-	330	770	680	580	400	-	310	740	650	560	400	-	290
25	-3.9	Q(Btu/h)	10820	9750	8160	5480	-	4180	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3710
		W	830	730	630	450	-	330	770	680	580	400	-	310	740	650	560	400	-	290
20	-6.7	Q(Btu/h)	10820	9750	8160	5480	-	4180	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3710
		W	830	730	630	450	-	330	770	680	580	400	-	310	740	650	560	400	-	290
15	-9.4	Q(Btu/h)	10820	9750	8160	5480	-	4180	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3710
		W	830	730	630	450	-	330	770	680	580	400	-	310	740	650	560	400	-	290

* It may not reach the above capacities in low ambient temperatures.

MSZ-HM09NA
MUZ-HM09NAH
2) HEATING

Rated
Q(Btu/h): 10900
W: 900

Indoor D.B.			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
65	18.3	Q(Btu/h)	14610	13620	11030	7300	-	4860	15200	14170	11480	7600	-	5060	15790	14720	11930	7900	-	5260
		W	1320	1020	990	660	-	440	1250	970	940	630	-	420	1180	920	890	600	-	400
60	15.6	Q(Btu/h)	13900	12880	10510	6950	-	4640	14500	13440	10960	7250	-	4840	15100	14000	11410	7550	-	5040
		W	1250	1010	950	620	-	410	1190	960	900	590	-	390	1130	910	850	560	-	370
55	12.8	Q(Btu/h)	13180	12130	9960	6590	-	4390	13800	12700	10430	6900	-	4600	14420	13270	10900	7210	-	4810
		W	1190	1000	910	600	-	400	1130	950	860	570	-	380	1070	900	810	540	-	360
50	10.0	Q(Btu/h)	12420	11390	9390	6220	-	4150	13050	11970	9860	6530	-	4360	13680	12550	10330	6840	-	4570
		W	1140	990	850	560	-	370	1080	940	810	530	-	350	1020	890	770	500	-	330
45	7.2	Q(Btu/h)	11660	10650	8810	5830	-	3890	12300	11230	9290	6150	-	4100	12940	11810	9770	6470	-	4310
		W	1070	970	810	540	-	360	1020	920	770	510	-	340	970	870	730	480	-	320
43	6.1	Q(Btu/h)	11170	10320	8450	5590	-	3730	11800	10900	8920	5900	-	3940	12430	11480	9390	6210	-	4150
		W	1050	950	800	530	-	360	1000	900	760	500	-	340	950	850	720	470	-	320
40	4.4	Q(Btu/h)	10680	9860	8070	5340	-	3560	11300	10440	8540	5650	-	3770	11920	11020	9010	5960	-	3980
		W	1010	940	760	510	-	330	960	890	720	480	-	310	910	840	680	450	-	290
35	1.7	Q(Btu/h)	10170	9080	7680	5080	-	3390	10800	9650	8160	5400	-	3600	11430	10220	8640	5720	-	3810
		W	960	910	730	480	-	330	910	860	690	460	-	310	860	810	650	440	-	290
30	-1.1	Q(Btu/h)	9420	8360	7120	4720	-	3140	10050	8920	7590	5030	-	3350	10680	9480	8060	5340	-	3560
		W	1030	1000	810	590	-	440	980	950	770	560	-	420	930	900	730	530	-	400
25	-3.9	Q(Btu/h)	8680	7630	6560	4340	-	2890	9300	8180	7030	4650	-	3100	9920	8730	7500	4960	-	3310
		W	970	950	770	560	-	410	920	900	730	530	-	390	870	850	690	500	-	370
20	-6.7	Q(Btu/h)	7930	6900	5990	3970	-	2650	8550	7440	6460	4280	-	2860	9170	7980	6930	4590	-	3070
		W	920	880	740	540	-	400	870	840	700	510	-	380	820	800	660	480	-	360
15	-9.4	Q(Btu/h)	7170	6160	5410	3580	-	2390	7800	6700	5890	3900	-	2600	8430	7240	6370	4220	-	2810
		W	850	820	670	500	-	370	810	780	640	470	-	350	770	740	610	440	-	330
10	-12.2	Q(Btu/h)	6260	5390	4730	3130	-	2090	6900	5940	5210	3450	-	2300	7540	6490	5690	3770	-	2510
		W	800	750	640	470	-	370	760	710	610	450	-	350	720	670	580	430	-	330
5	-15.0	Q(Btu/h)	5340	4610	4030	2670	-	1780	6000	5180	4530	3000	-	2000	6660	5750	5030	3330	-	2220
		W	740	670	590	430	-	330	700	640	560	410	-	310	660	610	530	390	-	290
0	-17.8	Q(Btu/h)	4600	3620	3470	2300	-	1530	5300	4170	4000	2650	-	1760	6000	4720	4530	3000	-	1990
		W	670	600	550	410	-	320	640	570	520	390	-	300	610	540	490	370	-	280
-4	-20.0	Q(Btu/h)	3880	2660	2940	1940	-	1300	4600	3150	3480	2300	-	1540	5320	3640	4020	2660	-	1780
		W	610	520	500	380	-	310	580	490	470	360	-	290	550	460	440	340	-	270

* Above data is for heating operation without any frost.

MSZ-HM12NA
MUZ-HM12NA
1) COOLING

Rated
Q(Btu/h): 12000
W: 1210

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
115	46.1	Q(Btu/h)	11020	11040	8290	5570	-	3430	10430	10260	7850	5270	-	3250	9800	9360	7380	4960	-	3050
		W	1530	1390	1150	770	-	280	1440	1340	1080	730	-	270	1370	1280	1030	690	-	260
110	43.3	Q(Btu/h)	11510	11520	8660	5830	-	3580	10890	10710	8200	5510	-	3390	10240	9810	7710	5190	-	3180
		W	1500	1370	1120	750	-	270	1410	1310	1060	710	-	260	1350	1260	1010	670	-	250
105	40.6	Q(Btu/h)	11990	12000	9020	6060	-	3730	11350	11160	8540	5730	-	3530	10670	10260	8030	5390	-	3310
		W	1470	1340	1100	750	-	260	1380	1280	1040	710	-	250	1320	1230	990	670	-	240
100	37.8	Q(Btu/h)	12450	12450	9370	6290	-	3880	11780	11580	8870	5950	-	3670	11070	10770	8340	5600	-	3450
		W	1430	1310	1070	720	-	260	1340	1250	1010	680	-	250	1280	1200	960	640	-	240
95	35.0	Q(Btu/h)	12890	12900	9700	6520	-	4020	12200	12000	9180	6170	-	3800	11470	11280	8630	5810	-	3570
		W	1380	1270	1040	690	-	250	1300	1210	980	650	-	240	1240	1160	930	610	-	230
90	32.2	Q(Btu/h)	13410	13320	10090	6780	-	4170	12690	12480	9550	6410	-	3950	11930	11700	8980	6030	-	3710
		W	1330	1230	1000	670	-	240	1250	1170	940	640	-	230	1190	1120	890	610	-	220
85	29.4	Q(Btu/h)	13930	13740	10480	7040	-	4330	13180	12960	9920	6660	-	4100	12390	12120	9320	6270	-	3850
		W	1280	1180	950	630	-	230	1200	1120	900	600	-	220	1140	1070	860	570	-	210
80	26.7	Q(Btu/h)	14440	14220	10870	7320	-	4500	13670	13440	10290	6920	-	4260	12850	12600	9670	6510	-	4000
		W	1220	1130	920	620	-	220	1150	1070	870	590	-	210	1100	1020	830	560	-	200
75	23.9	Q(Btu/h)	14950	14700	11250	7560	-	4660	14150	13920	10650	7150	-	4410	13300	13080	10010	6730	-	4140
		W	1160	1080	870	580	-	210	1090	1020	820	550	-	200	1040	970	780	520	-	190
70	21.1	Q(Btu/h)	15470	15210	11640	7810	-	4820	14640	14400	11020	7390	-	4560	13760	13530	10360	6960	-	4280
		W	1110	1020	830	560	-	200	1040	960	780	530	-	190	990	910	740	500	-	180
65	18.3	Q(Btu/h)	13220	12990	9950	6680	-	3980	12510	12300	9420	6320	-	3770	11760	11560	8860	5950	-	3540
		W	820	770	620	410	-	240	770	720	580	390	-	230	730	680	550	370	-	220
60	15.6	Q(Btu/h)	13220	12990	9950	6680	-	3980	12510	12300	9420	6320	-	3770	11760	11560	8860	5950	-	3540
		W	820	770	620	410	-	240	770	720	580	390	-	230	730	680	550	370	-	220
55	12.8	Q(Btu/h)	13220	12990	9950	6680	-	3980	12510	12300	9420	6320	-	3770	11760	11560	8860	5950	-	3540
		W	820	770	620	410	-	240	770	720	580	390	-	230	730	680	550	370	-	220
50	10.0	Q(Btu/h)	13220	12990	9950	6680	-	3980	12510	12300	9420	6320	-	3770	11760	11560	8860	5950	-	3540
		W	820	770	620	410	-	240	770	720	580	390	-	230	730	680	550	370	-	220
45	7.2	Q(Btu/h)	13220	12990	9950	6680	-	3980	12510	12300	9420	6320	-	3770	11760	11560	8860	5950	-	3540
		W	820	770	620	410	-	240	770	720	580	390	-	230	730	680	550	370	-	220
40	4.4	Q(Btu/h)	13220	12990	9950	6680	-	3980	12510	12300	9420	6320	-	3770	11760	11560	8860	5950	-	3540
		W	820	770	620	410	-	240	770	720	580	390	-	230	730	680	550	370	-	220
35	1.7	Q(Btu/h)	13220	12990	9950	6680	-	3980	12510	12300	9420	6320	-	3770	11760	11560	8860	5950	-	3540
		W	820	770	620	410	-	240	770	720	580	390	-	230	730	680	550	370	-	220
30	-1.1	Q(Btu/h)	13220	12990	9950	6680	-	3980	12510	12300	9420	6320	-	3770	11760	11560	8860	5950	-	3540
		W	820	770	620	410	-	240	770	720	580	390	-	230	730	680	550	370	-	220
25	-3.9	Q(Btu/h)	13220	12990	9950	6680	-	3980	12510	12300	9420	6320	-	3770	11760	11560	8860	5950	-	3540
		W	820	770	620	410	-	240	770	720	580	390	-	230	730	680	550	370	-	220
20	-6.7	Q(Btu/h)	13220	12990	9950	6680	-	3980	12510	12300	9420	6320	-	3770	11760	11560	8860	5950	-	3540
		W	820	770	620	410	-	240	770	720	580	390	-	230	730	680	550	370	-	220
15	-9.4	Q(Btu/h)	13220	12990	9950	6680	-	3980	12510	12300	9420	6320	-	3770	11760	11560	8860	5950	-	3540
		W	820	770	620	410	-	240	770	720	580	390	-	230	730	680	550	370	-	220

* It may not reach the above capacities in low ambient temperatures.

MSZ-HM12NA
MUZ-HM12NA
2) HEATING

Rated
Q(Btu/h): 12200
W: 990

Indoor D.B.			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
65	18.3	Q(Btu/h)	17390	15240	13090	8780	-	4970	18100	15860	13620	9140	-	5170	18810	16480	14150	9500	-	5370
		W	1510	1130	1130	760	-	420	1430	1070	1070	720	-	400	1350	1010	1010	680	-	380
60	15.6	Q(Btu/h)	16530	14420	12440	8350	-	4730	17250	15040	12980	8710	-	4930	17970	15660	13520	9070	-	5130
		W	1450	1120	1100	740	-	410	1380	1060	1040	700	-	390	1310	1000	980	660	-	370
55	12.8	Q(Btu/h)	15670	13580	11790	7910	-	4470	16400	14210	12340	8280	-	4680	17130	14840	12890	8650	-	4890
		W	1400	1110	1050	710	-	400	1330	1050	1000	670	-	380	1260	990	950	630	-	360
50	10.0	Q(Btu/h)	14800	12740	11140	7470	-	4230	15550	13390	11700	7850	-	4440	16300	14040	12260	8230	-	4650
		W	1350	1090	1020	680	-	390	1280	1030	970	650	-	370	1210	970	920	620	-	350
45	7.2	Q(Btu/h)	13940	11920	10490	7040	-	3980	14700	12570	11060	7420	-	4200	15460	13220	11630	7800	-	4420
		W	1300	1060	970	640	-	370	1230	1010	920	610	-	350	1160	960	870	580	-	330
43	6.1	Q(Btu/h)	13730	11550	10330	6930	-	3920	14500	12200	10910	7320	-	4140	15270	12850	11490	7710	-	4360
		W	1290	1040	960	640	-	370	1220	990	910	610	-	350	1150	940	860	580	-	330
40	4.4	Q(Btu/h)	12990	11050	9780	6560	-	3700	13750	11690	10350	6940	-	3920	14510	12330	10920	7320	-	4140
		W	1230	1030	930	620	-	350	1170	980	880	590	-	330	1110	930	830	560	-	310
35	1.7	Q(Btu/h)	12240	10170	9210	6180	-	3500	13000	10800	9780	6560	-	3720	13760	11430	10350	6940	-	3940
		W	1180	990	880	590	-	330	1120	940	840	560	-	310	1060	890	800	530	-	290
30	-1.1	Q(Btu/h)	11390	9360	8570	5750	-	3250	12150	9980	9140	6130	-	3470	12910	10600	9710	6510	-	3690
		W	1130	950	850	580	-	330	1070	900	810	550	-	310	1010	850	770	520	-	290
25	-3.9	Q(Btu/h)	10540	8540	7930	5320	-	3010	11300	9150	8500	5700	-	3230	12060	9760	9070	6080	-	3450
		W	1070	900	800	540	-	310	1020	850	760	510	-	290	970	800	720	480	-	270
20	-6.7	Q(Btu/h)	9640	7720	7250	4870	-	2760	10400	8330	7820	5250	-	2980	11160	8940	8390	5630	-	3200
		W	1020	820	770	520	-	290	970	780	730	490	-	280	920	740	690	460	-	270
15	-9.4	Q(Btu/h)	8730	6890	6570	4410	-	2490	9500	7500	7150	4800	-	2710	10270	8110	7730	5190	-	2930
		W	970	750	730	480	-	260	920	710	690	460	-	250	870	670	650	440	-	240
10	-12.2	Q(Btu/h)	7710	6030	5810	3890	-	2200	8500	6650	6400	4290	-	2420	9290	7270	6990	4690	-	2640
		W	920	670	700	470	-	260	870	640	660	450	-	250	820	610	620	430	-	240
5	-15.0	Q(Btu/h)	6680	5170	5020	3380	-	1910	7500	5800	5640	3790	-	2150	8320	6430	6260	4200	-	2390
		W	860	590	640	430	-	240	820	560	610	410	-	230	780	530	580	390	-	220
0	-17.8	Q(Btu/h)	5840	4040	4390	2950	-	1680	6730	4650	5060	3400	-	1930	7620	5260	5730	3850	-	2180
		W	800	510	600	400	-	230	760	480	570	380	-	220	720	450	540	360	-	210
-4	-20.0	Q(Btu/h)	5020	2960	3780	2530	-	1440	5950	3500	4480	3000	-	1700	6880	4040	5180	3470	-	1960
		W	740	420	560	370	-	210	700	400	530	350	-	200	660	380	500	330	-	190

* Above data is for heating operation without any frost.

MSZ-HM12NA
MUZ-HM12NAH
1) COOLING

Rated
Q(Btu/h): 12000
W: 1210

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
115	46.1	Q(Btu/h)	11020	11040	8290	5570	-	3430	10430	10260	7850	5270	-	3250	9800	9360	7380	4960	-	3050
		W	1530	1390	1150	770	-	280	1440	1340	1080	730	-	270	1370	1280	1030	690	-	260
110	43.3	Q(Btu/h)	11510	11520	8660	5830	-	3580	10890	10710	8200	5510	-	3390	10240	9810	7710	5190	-	3180
		W	1500	1370	1120	750	-	270	1410	1310	1060	710	-	260	1350	1260	1010	670	-	250
105	40.6	Q(Btu/h)	11990	12000	9020	6060	-	3730	11350	11160	8540	5730	-	3530	10670	10260	8030	5390	-	3310
		W	1470	1340	1100	750	-	260	1380	1280	1040	710	-	250	1320	1230	990	670	-	240
100	37.8	Q(Btu/h)	12450	12450	9370	6290	-	3880	11780	11580	8870	5950	-	3670	11070	10770	8340	5600	-	3450
		W	1430	1310	1070	720	-	260	1340	1250	1010	680	-	250	1280	1200	960	640	-	240
95	35.0	Q(Btu/h)	12890	12900	9700	6520	-	4020	12200	12000	9180	6170	-	3800	11470	11280	8630	5810	-	3570
		W	1380	1270	1040	690	-	250	1300	1210	980	650	-	240	1240	1160	930	610	-	230
90	32.2	Q(Btu/h)	13410	13320	10090	6780	-	4170	12690	12480	9550	6410	-	3950	11930	11700	8980	6030	-	3710
		W	1330	1230	1000	670	-	240	1250	1170	940	640	-	230	1190	1120	890	610	-	220
85	29.4	Q(Btu/h)	13930	13740	10480	7040	-	4330	13180	12960	9920	6660	-	4100	12390	12120	9320	6270	-	3850
		W	1280	1180	950	630	-	230	1200	1120	900	600	-	220	1140	1070	860	570	-	210
80	26.7	Q(Btu/h)	14440	14220	10870	7320	-	4500	13670	13440	10290	6920	-	4260	12850	12600	9670	6510	-	4000
		W	1220	1130	920	620	-	220	1150	1070	870	590	-	210	1100	1020	830	560	-	200
75	23.9	Q(Btu/h)	14950	14700	11250	7560	-	4660	14150	13920	10650	7150	-	4410	13300	13080	10010	6730	-	4140
		W	1160	1080	870	580	-	210	1090	1020	820	550	-	200	1040	970	780	520	-	190
70	21.1	Q(Btu/h)	15470	15210	11640	7810	-	4820	14640	14400	11020	7390	-	4560	13760	13530	10360	6960	-	4280
		W	1110	1020	830	560	-	200	1040	960	780	530	-	190	990	910	740	500	-	180
65	18.3	Q(Btu/h)	13220	12990	9950	6680	-	3980	12510	12300	9420	6320	-	3770	11760	11560	8860	5950	-	3540
		W	820	770	620	410	-	240	770	720	580	390	-	230	730	680	550	370	-	220
60	15.6	Q(Btu/h)	13220	12990	9950	6680	-	3980	12510	12300	9420	6320	-	3770	11760	11560	8860	5950	-	3540
		W	820	770	620	410	-	240	770	720	580	390	-	230	730	680	550	370	-	220
55	12.8	Q(Btu/h)	13220	12990	9950	6680	-	3980	12510	12300	9420	6320	-	3770	11760	11560	8860	5950	-	3540
		W	820	770	620	410	-	240	770	720	580	390	-	230	730	680	550	370	-	220
50	10.0	Q(Btu/h)	13220	12990	9950	6680	-	3980	12510	12300	9420	6320	-	3770	11760	11560	8860	5950	-	3540
		W	820	770	620	410	-	240	770	720	580	390	-	230	730	680	550	370	-	220
45	7.2	Q(Btu/h)	13220	12990	9950	6680	-	3980	12510	12300	9420	6320	-	3770	11760	11560	8860	5950	-	3540
		W	820	770	620	410	-	240	770	720	580	390	-	230	730	680	550	370	-	220
40	4.4	Q(Btu/h)	13220	12990	9950	6680	-	3980	12510	12300	9420	6320	-	3770	11760	11560	8860	5950	-	3540
		W	820	770	620	410	-	240	770	720	580	390	-	230	730	680	550	370	-	220
35	1.7	Q(Btu/h)	13220	12990	9950	6680	-	3980	12510	12300	9420	6320	-	3770	11760	11560	8860	5950	-	3540
		W	820	770	620	410	-	240	770	720	580	390	-	230	730	680	550	370	-	220
30	-1.1	Q(Btu/h)	13220	12990	9950	6680	-	3980	12510	12300	9420	6320	-	3770	11760	11560	8860	5950	-	3540
		W	820	770	620	410	-	240	770	720	580	390	-	230	730	680	550	370	-	220
25	-3.9	Q(Btu/h)	13220	12990	9950	6680	-	3980	12510	12300	9420	6320	-	3770	11760	11560	8860	5950	-	3540
		W	820	770	620	410	-	240	770	720	580	390	-	230	730	680	550	370	-	220
20	-6.7	Q(Btu/h)	13220	12990	9950	6680	-	3980	12510	12300	9420	6320	-	3770	11760	11560	8860	5950	-	3540
		W	820	770	620	410	-	240	770	720	580	390	-	230	730	680	550	370	-	220
15	-9.4	Q(Btu/h)	13220	12990	9950	6680	-	3980	12510	12300	9420	6320	-	3770	11760	11560	8860	5950	-	3540
		W	820	770	620	410	-	240	770	720	580	390	-	230	730	680	550	370	-	220

* It may not reach the above capacities in low ambient temperatures.

MSZ-HM12NA
MUZ-HM12NAH
2) HEATING

Rated
Q(Btu/h): 12200
W: 990

Indoor D.B.			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
65	18.3	Q(Btu/h)	17390	15240	13090	8780	-	4970	18100	15860	13620	9140	-	5170	18810	16480	14150	9500	-	5370
		W	1510	1130	1130	760	-	420	1430	1070	1070	720	-	400	1350	1010	1010	680	-	380
60	15.6	Q(Btu/h)	16530	14420	12440	8350	-	4730	17250	15040	12980	8710	-	4930	17970	15660	13520	9070	-	5130
		W	1450	1120	1100	740	-	410	1380	1060	1040	700	-	390	1310	1000	980	660	-	370
55	12.8	Q(Btu/h)	15670	13580	11790	7910	-	4470	16400	14210	12340	8280	-	4680	17130	14840	12890	8650	-	4890
		W	1400	1110	1050	710	-	400	1330	1050	1000	670	-	380	1260	990	950	630	-	360
50	10.0	Q(Btu/h)	14800	12740	11140	7470	-	4230	15550	13390	11700	7850	-	4440	16300	14040	12260	8230	-	4650
		W	1350	1090	1020	680	-	390	1280	1030	970	650	-	370	1210	970	920	620	-	350
45	7.2	Q(Btu/h)	13940	11920	10490	7040	-	3980	14700	12570	11060	7420	-	4200	15460	13220	11630	7800	-	4420
		W	1300	1060	970	640	-	370	1230	1010	920	610	-	350	1160	960	870	580	-	330
43	6.1	Q(Btu/h)	13730	11550	10330	6930	-	3920	14500	12200	10910	7320	-	4140	15270	12850	11490	7710	-	4360
		W	1290	1040	960	640	-	370	1220	990	910	610	-	350	1150	940	860	580	-	330
40	4.4	Q(Btu/h)	12990	11050	9780	6560	-	3700	13750	11690	10350	6940	-	3920	14510	12330	10920	7320	-	4140
		W	1230	1030	930	620	-	350	1170	980	880	590	-	330	1110	930	830	560	-	310
35	1.7	Q(Btu/h)	12240	10170	9210	6180	-	3500	13000	10800	9780	6560	-	3720	13760	11430	10350	6940	-	3940
		W	1180	990	880	590	-	330	1120	940	840	560	-	310	1060	890	800	530	-	290
30	-1.1	Q(Btu/h)	11390	9360	8570	5750	-	3250	12150	9980	9140	6130	-	3470	12910	10600	9710	6510	-	3690
		W	1260	1090	990	720	-	460	1200	1030	940	680	-	440	1140	970	890	640	-	420
25	-3.9	Q(Btu/h)	10540	8540	7930	5320	-	3010	11300	9150	8500	5700	-	3230	12060	9760	9070	6080	-	3450
		W	1210	1030	940	670	-	440	1150	980	890	640	-	420	1090	930	840	610	-	400
20	-6.7	Q(Btu/h)	9640	7720	7250	4870	-	2760	10400	8330	7820	5250	-	2980	11160	8940	8390	5630	-	3200
		W	1160	960	910	650	-	430	1100	910	860	620	-	410	1040	860	810	590	-	390
15	-9.4	Q(Btu/h)	8730	6890	6570	4410	-	2490	9500	7500	7150	4800	-	2710	10270	8110	7730	5190	-	2930
		W	1110	880	860	620	-	400	1050	840	820	590	-	380	990	800	780	560	-	360
10	-12.2	Q(Btu/h)	7710	6030	5810	3890	-	2200	8500	6650	6400	4290	-	2420	9290	7270	6990	4690	-	2640
		W	1050	810	830	610	-	400	1000	770	790	580	-	380	950	730	750	550	-	360
5	-15.0	Q(Btu/h)	6680	5170	5020	3380	-	1910	7500	5800	5640	3790	-	2150	8320	6430	6260	4200	-	2390
		W	1000	730	780	570	-	380	950	690	740	540	-	360	900	650	700	510	-	340
0	-17.8	Q(Btu/h)	5840	4040	4390	2950	-	1680	6730	4650	5060	3400	-	1930	7620	5260	5730	3850	-	2180
		W	940	640	740	540	-	370	890	610	700	510	-	350	840	580	660	480	-	330
-4	-20.0	Q(Btu/h)	5020	2960	3780	2530	-	1440	5950	3500	4480	3000	-	1700	6880	4040	5180	3470	-	1960
		W	870	560	700	510	-	350	830	530	660	480	-	330	790	500	620	450	-	310

* Above data is for heating operation without any frost.

MSZ-HM15NA
MUZ-HM15NA
1) COOLING

Rated
Q(Btu/h): 14000
W: 1170

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
115	46.1	Q(Btu/h)	14450	12880	10910	7210	3690	2800	13680	11970	10330	6830	3490	2650	12850	10920	9710	6420	3280	2490
		W	2350	1350	1770	1200	610	270	2220	1300	1680	1120	580	260	2110	1240	1600	1080	550	250
110	43.3	Q(Btu/h)	15080	13440	11400	7530	3860	2920	14280	12500	10790	7130	3650	2770	13420	11450	10140	6700	3430	2600
		W	2300	1320	1730	1160	580	260	2170	1270	1640	1080	550	250	2070	1220	1560	1040	520	240
105	40.6	Q(Btu/h)	15710	14000	11870	7850	4020	3040	14880	13020	11240	7430	3800	2880	13980	11970	10570	6980	3580	2700
		W	2250	1290	1690	1150	580	250	2120	1240	1600	1070	550	240	2020	1190	1520	1030	520	230
100	37.8	Q(Btu/h)	16310	14530	12330	8160	4180	3160	15440	13510	11670	7730	3950	2990	14510	12570	10970	7260	3720	2810
		W	2180	1260	1640	1100	550	250	2060	1210	1550	1030	530	240	1960	1160	1480	990	510	230
95	35.0	Q(Btu/h)	16900	15050	12770	8450	4320	3270	16000	14000	12090	8000	4090	3100	15030	13160	11370	7520	3850	2910
		W	2120	1230	1590	1070	530	240	2000	1170	1510	1000	510	230	1900	1120	1440	960	490	220
90	32.2	Q(Btu/h)	17570	15540	13290	8800	4500	3410	16640	14560	12580	8330	4260	3230	15640	13650	11830	7830	4010	3030
		W	2040	1190	1540	1050	520	230	1930	1130	1460	980	500	220	1840	1080	1390	940	480	210
85	29.4	Q(Btu/h)	18250	16030	13790	9110	4660	3540	17280	15120	13050	8630	4410	3350	16240	14140	12270	8110	4150	3150
		W	1960	1140	1480	1000	500	220	1850	1080	1400	930	480	210	1760	1040	1330	900	460	200
80	26.7	Q(Btu/h)	18920	16590	14300	9470	4850	3670	17920	15680	13540	8970	4590	3480	16840	14700	12730	8430	4320	3270
		W	1880	1090	1400	940	470	210	1770	1030	1330	880	450	200	1690	990	1270	850	430	190
75	23.9	Q(Btu/h)	19600	17150	14810	9800	5010	3800	18560	16240	14020	9280	4740	3600	17440	15260	13180	8720	4460	3380
		W	1780	1040	1340	890	450	200	1680	980	1270	830	430	190	1600	940	1210	800	410	180
70	21.1	Q(Btu/h)	20280	17740	15330	10140	5190	3930	19200	16800	14510	9600	4910	3720	18040	15790	13640	9020	4620	3490
		W	1700	990	1280	860	430	190	1600	930	1210	800	410	180	1520	890	1150	770	390	170
65	18.3	Q(Btu/h)	17320	15150	13090	8660	4430	2880	16400	14350	12390	8200	4190	2730	15410	13490	11650	7700	3940	2560
		W	1750	1030	1320	890	450	300	1650	970	1250	830	430	280	1570	930	1190	800	410	260
60	15.6	Q(Btu/h)	17320	15150	13090	8660	4430	2880	16400	14350	12390	8200	4190	2730	15410	13490	11650	7700	3940	2560
		W	1750	1030	1320	890	450	300	1650	970	1250	830	430	280	1570	930	1190	800	410	260
55	12.8	Q(Btu/h)	17320	15150	13090	8660	4430	2880	16400	14350	12390	8200	4190	2730	15410	13490	11650	7700	3940	2560
		W	1750	1030	1320	890	450	300	1650	970	1250	830	430	280	1570	930	1190	800	410	260
50	10.0	Q(Btu/h)	17320	15150	13090	8660	4430	2880	16400	14350	12390	8200	4190	2730	15410	13490	11650	7700	3940	2560
		W	1750	1030	1320	890	450	300	1650	970	1250	830	430	280	1570	930	1190	800	410	260
45	7.2	Q(Btu/h)	17320	15150	13090	8660	4430	2880	16400	14350	12390	8200	4190	2730	15410	13490	11650	7700	3940	2560
		W	1750	1030	1320	890	450	300	1650	970	1250	830	430	280	1570	930	1190	800	410	260
40	4.4	Q(Btu/h)	17320	15150	13090	8660	4430	2880	16400	14350	12390	8200	4190	2730	15410	13490	11650	7700	3940	2560
		W	1750	1030	1320	890	450	300	1650	970	1250	830	430	280	1570	930	1190	800	410	260
35	1.7	Q(Btu/h)	17320	15150	13090	8660	4430	2880	16400	14350	12390	8200	4190	2730	15410	13490	11650	7700	3940	2560
		W	1750	1030	1320	890	450	300	1650	970	1250	830	430	280	1570	930	1190	800	410	260
30	-1.1	Q(Btu/h)	17320	15150	13090	8660	4430	2880	16400	14350	12390	8200	4190	2730	15410	13490	11650	7700	3940	2560
		W	1750	1030	1320	890	450	300	1650	970	1250	830	430	280	1570	930	1190	800	410	260
25	-3.9	Q(Btu/h)	17320	15150	13090	8660	4430	2880	16400	14350	12390	8200	4190	2730	15410	13490	11650	7700	3940	2560
		W	1750	1030	1320	890	450	300	1650	970	1250	830	430	280	1570	930	1190	800	410	260
20	-6.7	Q(Btu/h)	17320	15150	13090	8660	4430	2880	16400	14350	12390	8200	4190	2730	15410	13490	11650	7700	3940	2560
		W	1750	1030	1320	890	450	300	1650	970	1250	830	430	280	1570	930	1190	800	410	260
15	-9.4	Q(Btu/h)	17320	15150	13090	8660	4430	2880	16400	14350	12390	8200	4190	2730	15410	13490	11650	7700	3940	2560
		W	1750	1030	1320	890	450	300	1650	970	1250	830	430	280	1570	930	1190	800	410	260

* It may not reach the above capacities in low ambient temperatures.

MSZ-HM15NA
MUZ-HM15NA
2) HEATING

Rated
Q(Btu/h): 18000
W: 1600

Indoor D.B.			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
65	18.3	Q(Btu/h)	21330	21140	16090	10660	5440	3140	22200	22000	16750	11090	5660	3270	23070	22860	17410	11520	5880	3400
		W	2330	1820	1750	1160	590	340	2210	1730	1660	1100	560	320	2090	1640	1570	1040	530	300
60	15.6	Q(Btu/h)	20700	20600	15620	10340	5270	3040	21600	21490	16300	10790	5500	3170	22500	22380	16980	11240	5730	3300
		W	2250	1810	1710	1130	580	340	2140	1720	1620	1070	550	320	2030	1630	1530	1010	520	300
55	12.8	Q(Btu/h)	20060	20030	15140	10030	5110	2950	21000	20970	15850	10500	5350	3090	21940	21910	16560	10970	5590	3230
		W	2170	1790	1640	1100	560	330	2060	1700	1560	1040	530	310	1950	1610	1480	980	500	290
50	10.0	Q(Btu/h)	18850	18810	14230	9420	4810	2770	19800	19760	14950	9900	5050	2910	20750	20710	15670	10380	5290	3050
		W	2150	1760	1620	1070	550	320	2040	1670	1540	1020	520	300	1930	1580	1460	970	490	280
45	7.2	Q(Btu/h)	17640	17580	13320	8830	4490	2590	18600	18540	14050	9310	4740	2730	19560	19500	14780	9790	4990	2870
		W	2130	1720	1600	1050	540	310	2020	1630	1520	1000	510	290	1910	1540	1440	950	480	270
43	6.1	Q(Btu/h)	17520	17040	13230	8770	4470	2580	18500	18000	13970	9260	4720	2720	19480	18960	14710	9750	4970	2860
		W	2120	1690	1590	1050	540	310	2010	1600	1510	1000	510	290	1900	1510	1430	950	480	270
40	4.4	Q(Btu/h)	16680	16290	12590	8330	4250	2460	17650	17240	13320	8820	4500	2600	18620	18190	14050	9310	4750	2740
		W	2090	1660	1580	1040	540	310	1980	1580	1500	990	510	290	1870	1500	1420	940	480	270
35	1.7	Q(Btu/h)	15820	15000	11940	7910	4030	2330	16800	15930	12680	8400	4280	2470	17780	16860	13420	8890	4530	2610
		W	2040	1600	1540	1020	520	290	1940	1520	1460	970	490	280	1840	1440	1380	920	460	270
30	-1.1	Q(Btu/h)	14910	13800	11250	7450	3800	2190	15900	14720	12000	7950	4050	2340	16890	15640	12750	8450	4300	2490
		W	2010	1530	1520	1000	510	290	1910	1450	1440	950	480	280	1810	1370	1360	900	450	270
25	-3.9	Q(Btu/h)	14000	12600	10560	7000	3560	2050	15000	13500	11320	7500	3820	2200	16000	14400	12080	8000	4080	2350
		W	1980	1440	1510	990	510	290	1880	1370	1430	940	480	280	1780	1300	1350	890	450	270
20	-6.7	Q(Btu/h)	13350	11390	10080	6680	3400	1970	14400	12290	10870	7200	3670	2120	15450	13190	11660	7720	3940	2270
		W	1930	1330	1450	960	480	280	1830	1260	1380	910	460	270	1730	1190	1310	860	440	260
15	-9.4	Q(Btu/h)	12680	10170	9570	6340	3230	1870	13800	11070	10420	6900	3520	2030	14920	11970	11270	7460	3810	2190
		W	1860	1210	1410	940	480	280	1770	1150	1340	890	460	270	1680	1090	1270	840	440	260
10	-12.2	Q(Btu/h)	11750	8900	8870	5880	2990	1720	12950	9810	9780	6480	3300	1900	14150	10720	10690	7080	3610	2080
		W	1820	1090	1380	920	460	260	1730	1030	1310	870	440	250	1640	970	1240	820	420	240
5	-15.0	Q(Btu/h)	10780	7610	8130	5380	2740	1590	12100	8550	9130	6040	3080	1780	13420	9490	10130	6700	3420	1970
		W	1780	950	1340	880	450	260	1690	900	1270	840	430	250	1600	850	1200	800	410	240
0	-17.8	Q(Btu/h)	9680	6110	7310	4840	2470	1420	11150	7040	8420	5580	2850	1640	12620	7970	9530	6320	3230	1860
		W	1730	820	1310	860	440	250	1640	780	1240	820	420	240	1550	740	1170	780	400	230
-4	-20.0	Q(Btu/h)	8610	4670	6500	4310	2200	1270	10200	5530	7700	5100	2600	1500	11790	6390	8900	5890	3000	1730
		W	1680	700	1250	830	430	250	1590	660	1190	790	410	240	1500	620	1130	750	390	230

* Above data is for heating operation without any frost.

MSZ-HM15NA
MUZ-HM15NAH
1) COOLING

Rated
Q(Btu/h): 14000
W: 1170

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
115	46.1	Q(Btu/h)	14450	12880	10910	7210	3690	2800	13680	11970	10330	6830	3490	2650	12850	10920	9710	6420	3280	2490
		W	2350	1350	1770	1200	610	270	2220	1300	1680	1120	580	260	2110	1240	1600	1080	550	250
110	43.3	Q(Btu/h)	15080	13440	11400	7530	3860	2920	14280	12500	10790	7130	3650	2770	13420	11450	10140	6700	3430	2600
		W	2300	1320	1730	1160	580	260	2170	1270	1640	1080	550	250	2070	1220	1560	1040	520	240
105	40.6	Q(Btu/h)	15710	14000	11870	7850	4020	3040	14880	13020	11240	7430	3800	2880	13980	11970	10570	6980	3580	2700
		W	2250	1290	1690	1150	580	250	2120	1240	1600	1070	550	240	2020	1190	1520	1030	520	230
100	37.8	Q(Btu/h)	16310	14530	12330	8160	4180	3160	15440	13510	11670	7730	3950	2990	14510	12570	10970	7260	3720	2810
		W	2180	1260	1640	1100	550	250	2060	1210	1550	1030	530	240	1960	1160	1480	990	510	230
95	35.0	Q(Btu/h)	16900	15050	12770	8450	4320	3270	16000	14000	12090	8000	4090	3100	15030	13160	11370	7520	3850	2910
		W	2120	1230	1590	1070	530	240	2000	1170	1510	1000	510	230	1900	1120	1440	960	490	220
90	32.2	Q(Btu/h)	17570	15540	13290	8800	4500	3410	16640	14560	12580	8330	4260	3230	15640	13650	11830	7830	4010	3030
		W	2040	1190	1540	1050	520	230	1930	1130	1460	980	500	220	1840	1080	1390	940	480	210
85	29.4	Q(Btu/h)	18250	16030	13790	9110	4660	3540	17280	15120	13050	8630	4410	3350	16240	14140	12270	8110	4150	3150
		W	1960	1140	1480	1000	500	220	1850	1080	1400	930	480	210	1760	1040	1330	900	460	200
80	26.7	Q(Btu/h)	18920	16590	14300	9470	4850	3670	17920	15680	13540	8970	4590	3480	16840	14700	12730	8430	4320	3270
		W	1880	1090	1400	940	470	210	1770	1030	1330	880	450	200	1690	990	1270	850	430	190
75	23.9	Q(Btu/h)	19600	17150	14810	9800	5010	3800	18560	16240	14020	9280	4740	3600	17440	15260	13180	8720	4460	3380
		W	1780	1040	1340	890	450	200	1680	980	1270	830	430	190	1600	940	1210	800	410	180
70	21.1	Q(Btu/h)	20280	17740	15330	10140	5190	3930	19200	16800	14510	9600	4910	3720	18040	15790	13640	9020	4620	3490
		W	1700	990	1280	860	430	190	1600	930	1210	800	410	180	1520	890	1150	770	390	170
65	18.3	Q(Btu/h)	17320	15150	13090	8660	4430	2880	16400	14350	12390	8200	4190	2730	15410	13490	11650	7700	3940	2560
		W	1750	1030	1320	890	450	300	1650	970	1250	830	430	280	1570	930	1190	800	410	260
60	15.6	Q(Btu/h)	17320	15150	13090	8660	4430	2880	16400	14350	12390	8200	4190	2730	15410	13490	11650	7700	3940	2560
		W	1750	1030	1320	890	450	300	1650	970	1250	830	430	280	1570	930	1190	800	410	260
55	12.8	Q(Btu/h)	17320	15150	13090	8660	4430	2880	16400	14350	12390	8200	4190	2730	15410	13490	11650	7700	3940	2560
		W	1750	1030	1320	890	450	300	1650	970	1250	830	430	280	1570	930	1190	800	410	260
50	10.0	Q(Btu/h)	17320	15150	13090	8660	4430	2880	16400	14350	12390	8200	4190	2730	15410	13490	11650	7700	3940	2560
		W	1750	1030	1320	890	450	300	1650	970	1250	830	430	280	1570	930	1190	800	410	260
45	7.2	Q(Btu/h)	17320	15150	13090	8660	4430	2880	16400	14350	12390	8200	4190	2730	15410	13490	11650	7700	3940	2560
		W	1750	1030	1320	890	450	300	1650	970	1250	830	430	280	1570	930	1190	800	410	260
40	4.4	Q(Btu/h)	17320	15150	13090	8660	4430	2880	16400	14350	12390	8200	4190	2730	15410	13490	11650	7700	3940	2560
		W	1750	1030	1320	890	450	300	1650	970	1250	830	430	280	1570	930	1190	800	410	260
35	1.7	Q(Btu/h)	17320	15150	13090	8660	4430	2880	16400	14350	12390	8200	4190	2730	15410	13490	11650	7700	3940	2560
		W	1750	1030	1320	890	450	300	1650	970	1250	830	430	280	1570	930	1190	800	410	260
30	-1.1	Q(Btu/h)	17320	15150	13090	8660	4430	2880	16400	14350	12390	8200	4190	2730	15410	13490	11650	7700	3940	2560
		W	1750	1030	1320	890	450	300	1650	970	1250	830	430	280	1570	930	1190	800	410	260
25	-3.9	Q(Btu/h)	17320	15150	13090	8660	4430	2880	16400	14350	12390	8200	4190	2730	15410	13490	11650	7700	3940	2560
		W	1750	1030	1320	890	450	300	1650	970	1250	830	430	280	1570	930	1190	800	410	260
20	-6.7	Q(Btu/h)	17320	15150	13090	8660	4430	2880	16400	14350	12390	8200	4190	2730	15410	13490	11650	7700	3940	2560
		W	1750	1030	1320	890	450	300	1650	970	1250	830	430	280	1570	930	1190	800	410	260
15	-9.4	Q(Btu/h)	17320	15150	13090	8660	4430	2880	16400	14350	12390	8200	4190	2730	15410	13490	11650	7700	3940	2560
		W	1750	1030	1320	890	450	300	1650	970	1250	830	430	280	1570	930	1190	800	410	260

* It may not reach the above capacities in low ambient temperatures.

MSZ-HM15NA
MUZ-HM15NAH
2) HEATING

Rated
Q(Btu/h): 18000
W: 1600

Indoor D.B.			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
65	18.3	Q(Btu/h)	21330	21140	16090	10660	5440	3140	22200	22000	16750	11090	5660	3270	23070	22860	17410	11520	5880	3400
		W	2330	1820	1750	1160	590	340	2210	1730	1660	1100	560	320	2090	1640	1570	1040	530	300
60	15.6	Q(Btu/h)	20700	20600	15620	10340	5270	3040	21600	21490	16300	10790	5500	3170	22500	22380	16980	11240	5730	3300
		W	2250	1810	1710	1130	580	340	2140	1720	1620	1070	550	320	2030	1630	1530	1010	520	300
55	12.8	Q(Btu/h)	20060	20030	15140	10030	5110	2950	21000	20970	15850	10500	5350	3090	21940	21910	16560	10970	5590	3230
		W	2170	1790	1640	1100	560	330	2060	1700	1560	1040	530	310	1950	1610	1480	980	500	290
50	10.0	Q(Btu/h)	18850	18810	14230	9420	4810	2770	19800	19760	14950	9900	5050	2910	20750	20710	15670	10380	5290	3050
		W	2150	1760	1620	1070	550	320	2040	1670	1540	1020	520	300	1930	1580	1460	970	490	280
45	7.2	Q(Btu/h)	17640	17580	13320	8830	4490	2590	18600	18540	14050	9310	4740	2730	19560	19500	14780	9790	4990	2870
		W	2130	1720	1600	1050	540	310	2020	1630	1520	1000	510	290	1910	1540	1440	950	480	270
43	6.1	Q(Btu/h)	17520	17040	13230	8770	4470	2580	18500	18000	13970	9260	4720	2720	19480	18960	14710	9750	4970	2860
		W	2120	1690	1590	1050	540	310	2010	1600	1510	1000	510	290	1900	1510	1430	950	480	270
40	4.4	Q(Btu/h)	16680	16290	12590	8330	4250	2460	17650	17240	13320	8820	4500	2600	18620	18190	14050	9310	4750	2740
		W	2090	1660	1580	1040	540	310	1980	1580	1500	990	510	290	1870	1500	1420	940	480	270
35	1.7	Q(Btu/h)	15820	15000	11940	7910	4030	2330	16800	15930	12680	8400	4280	2470	17780	16860	13420	8890	4530	2610
		W	2040	1600	1540	1020	520	290	1940	1520	1460	970	490	280	1840	1440	1380	920	460	270
30	-1.1	Q(Btu/h)	14910	13800	11250	7450	3800	2190	15900	14720	12000	7950	4050	2340	16890	15640	12750	8450	4300	2490
		W	2150	1660	1650	1140	640	430	2040	1580	1570	1080	610	410	1930	1500	1490	1020	580	390
25	-3.9	Q(Btu/h)	14000	12600	10560	7000	3560	2050	15000	13500	11320	7500	3820	2200	16000	14400	12080	8000	4080	2350
		W	2120	1580	1640	1130	640	430	2010	1500	1560	1070	610	410	1900	1420	1480	1010	580	390
20	-6.7	Q(Btu/h)	13350	11390	10080	6680	3400	1970	14400	12290	10870	7200	3670	2120	15450	13190	11660	7720	3940	2270
		W	2060	1460	1590	1100	620	420	1960	1390	1510	1040	590	400	1860	1320	1430	980	560	380
15	-9.4	Q(Btu/h)	12680	10170	9570	6340	3230	1870	13800	11070	10420	6900	3520	2030	14920	11970	11270	7460	3810	2190
		W	2000	1350	1550	1070	620	420	1900	1280	1470	1020	590	400	1800	1210	1390	970	560	380
10	-12.2	Q(Btu/h)	11750	8900	8870	5880	2990	1720	12950	9810	9780	6480	3300	1900	14150	10720	10690	7080	3610	2080
		W	1960	1220	1520	1050	600	400	1860	1160	1440	1000	570	380	1760	1100	1360	950	540	360
5	-15.0	Q(Btu/h)	10780	7610	8130	5380	2740	1590	12100	8550	9130	6040	3080	1780	13420	9490	10130	6700	3420	1970
		W	1920	1090	1470	1020	590	400	1820	1030	1400	970	560	380	1720	970	1330	920	530	360
0	-17.8	Q(Btu/h)	9680	6110	7310	4840	2470	1420	11150	7040	8420	5580	2850	1640	12620	7970	9530	6320	3230	1860
		W	1860	960	1440	1000	580	390	1770	910	1370	950	550	370	1680	860	1300	900	520	350
-4	-20.0	Q(Btu/h)	8610	4670	6500	4310	2200	1270	10200	5530	7700	5100	2600	1500	11790	6390	8900	5890	3000	1730
		W	1810	830	1390	970	570	390	1720	790	1320	920	540	370	1630	750	1250	870	510	350

* Above data is for heating operation without any frost.

MSZ-HM18NA
MUZ-HM18NA
1) COOLING

Rated
Q(Btu/h): 17200
W: 1640

Indoor W.B. / Outdoor D.B. (°F)	(°C)		71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
115	46.1	Q(Btu/h)	16250	15820	12290	8130	-	5240	15390	14710	11630	7690	-	4960	14460	13420	10930	7230	-	4660
		W	2430	1890	1830	1200	-	420	2300	1820	1740	1150	-	390	2190	1740	1650	1070	-	380
110	43.3	Q(Btu/h)	16970	16510	12830	8490	-	5470	16070	15360	12140	8030	-	5180	15100	14070	11410	7550	-	4860
		W	2380	1850	1790	1180	-	410	2250	1780	1700	1130	-	380	2150	1710	1610	1050	-	370
105	40.6	Q(Btu/h)	17680	17200	13360	8860	-	5690	16740	16000	12650	8380	-	5390	15730	14710	11890	7880	-	5060
		W	2320	1810	1740	1140	-	400	2190	1740	1650	1090	-	370	2090	1670	1560	1020	-	360
100	37.8	Q(Btu/h)	18340	17850	13860	9180	-	5920	17370	16600	13120	8680	-	5600	16320	15440	12330	8160	-	5260
		W	2250	1770	1700	1130	-	380	2130	1690	1610	1080	-	360	2030	1620	1520	1010	-	350
95	35.0	Q(Btu/h)	19010	18490	14370	9520	-	6130	18000	17200	13600	9000	-	5800	16910	16170	12780	8470	-	5450
		W	2190	1720	1640	1080	-	370	2070	1640	1560	1030	-	350	1970	1570	1480	960	-	340
90	32.2	Q(Btu/h)	19770	19090	14950	9910	-	6370	18720	17890	14150	9370	-	6030	17590	16770	13300	8810	-	5660
		W	2100	1660	1580	1040	-	360	1990	1580	1500	990	-	340	1900	1510	1420	920	-	330
85	29.4	Q(Btu/h)	20530	19690	15520	10290	-	6610	19440	18580	14690	9730	-	6260	18270	17370	13810	9150	-	5880
		W	2020	1600	1520	1000	-	340	1910	1520	1440	960	-	320	1820	1450	1360	890	-	310
80	26.7	Q(Btu/h)	21290	20380	16090	10660	-	6870	20160	19270	15230	10080	-	6500	18940	18060	14310	9480	-	6100
		W	1940	1530	1460	970	-	330	1830	1450	1390	930	-	310	1750	1380	1320	870	-	300
75	23.9	Q(Btu/h)	22050	21070	16660	11030	-	7110	20880	19950	15770	10430	-	6730	19620	18750	14820	9810	-	6320
		W	1840	1460	1390	920	-	310	1740	1380	1320	880	-	290	1660	1310	1250	820	-	280
70	21.1	Q(Btu/h)	22810	21800	17240	11420	-	7350	21600	20640	16320	10800	-	6960	20300	19400	15340	10160	-	6540
		W	1740	1390	1320	870	-	300	1650	1310	1250	830	-	280	1570	1240	1180	770	-	270
65	18.3	Q(Btu/h)	19480	18620	14730	9760	-	5420	18450	17630	13940	9230	-	5130	17340	16570	13100	8680	-	4820
		W	1960	1560	1480	970	-	560	1860	1470	1400	930	-	520	1770	1390	1320	860	-	500
60	15.6	Q(Btu/h)	19480	18620	14730	9760	-	5420	18450	17630	13940	9230	-	5130	17340	16570	13100	8680	-	4820
		W	1960	1560	1480	970	-	560	1860	1470	1400	930	-	520	1770	1390	1320	860	-	500
55	12.8	Q(Btu/h)	19480	18620	14730	9760	-	5420	18450	17630	13940	9230	-	5130	17340	16570	13100	8680	-	4820
		W	1960	1560	1480	970	-	560	1860	1470	1400	930	-	520	1770	1390	1320	860	-	500
50	10.0	Q(Btu/h)	19480	18620	14730	9760	-	5420	18450	17630	13940	9230	-	5130	17340	16570	13100	8680	-	4820
		W	1960	1560	1480	970	-	560	1860	1470	1400	930	-	520	1770	1390	1320	860	-	500
45	7.2	Q(Btu/h)	19480	18620	14730	9760	-	5420	18450	17630	13940	9230	-	5130	17340	16570	13100	8680	-	4820
		W	1960	1560	1480	970	-	560	1860	1470	1400	930	-	520	1770	1390	1320	860	-	500
40	4.4	Q(Btu/h)	19480	18620	14730	9760	-	5420	18450	17630	13940	9230	-	5130	17340	16570	13100	8680	-	4820
		W	1960	1560	1480	970	-	560	1860	1470	1400	930	-	520	1770	1390	1320	860	-	500
35	1.7	Q(Btu/h)	19480	18620	14730	9760	-	5420	18450	17630	13940	9230	-	5130	17340	16570	13100	8680	-	4820
		W	1960	1560	1480	970	-	560	1860	1470	1400	930	-	520	1770	1390	1320	860	-	500
30	-1.1	Q(Btu/h)	19480	18620	14730	9760	-	5420	18450	17630	13940	9230	-	5130	17340	16570	13100	8680	-	4820
		W	1960	1560	1480	970	-	560	1860	1470	1400	930	-	520	1770	1390	1320	860	-	500
25	-3.9	Q(Btu/h)	19480	18620	14730	9760	-	5420	18450	17630	13940	9230	-	5130	17340	16570	13100	8680	-	4820
		W	1960	1560	1480	970	-	560	1860	1470	1400	930	-	520	1770	1390	1320	860	-	500
20	-6.7	Q(Btu/h)	19480	18620	14730	9760	-	5420	18450	17630	13940	9230	-	5130	17340	16570	13100	8680	-	4820
		W	1960	1560	1480	970	-	560	1860	1470	1400	930	-	520	1770	1390	1320	860	-	500
15	-9.4	Q(Btu/h)	19480	18620	14730	9760	-	5420	18450	17630	13940	9230	-	5130	17340	16570	13100	8680	-	4820
		W	1960	1560	1480	970	-	560	1860	1470	1400	930	-	520	1770	1390	1320	860	-	500

* It may not reach the above capacities in low ambient temperatures.

MSZ-HM18NA
MUZ-HM18NA
2) HEATING

Rated
Q(Btu/h): 18000
W: 1590

Indoor D.B.			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
65	18.3	Q(Btu/h)	24310	21140	18350	12150	6200	5960	25300	22000	19100	12650	6450	6200	26290	22860	19850	13150	6700	6440
		W	2390	1810	1810	1200	610	590	2270	1720	1720	1140	580	560	2150	1630	1630	1080	550	530
60	15.6	Q(Btu/h)	23240	20600	17540	11620	5920	5690	24250	21490	18300	12120	6180	5940	25260	22380	19060	12620	6440	6190
		W	2390	1800	1810	1200	610	590	2270	1710	1720	1140	580	560	2150	1620	1630	1080	550	530
55	12.8	Q(Btu/h)	22160	20030	16740	11080	5660	5440	23200	20970	17520	11600	5920	5690	24240	21910	18300	12120	6180	5940
		W	2380	1780	1800	1190	610	590	2260	1690	1710	1130	580	560	2140	1600	1620	1070	550	530
50	10.0	Q(Btu/h)	21080	18810	15910	10550	5380	5170	22150	19760	16720	11080	5650	5430	23220	20710	17530	11610	5920	5690
		W	2380	1750	1800	1190	610	590	2260	1660	1710	1130	580	560	2140	1570	1620	1070	550	530
45	7.2	Q(Btu/h)	20010	17580	15110	10000	5100	4900	21100	18540	15930	10550	5380	5170	22190	19500	16750	11100	5660	5440
		W	2380	1710	1800	1190	610	590	2260	1620	1710	1130	580	560	2140	1530	1620	1070	550	530
43	6.1	Q(Btu/h)	19790	17040	14940	9900	5050	4860	20900	18000	15780	10450	5330	5130	22010	18960	16620	11000	5610	5400
		W	2370	1680	1790	1190	610	590	2250	1590	1700	1130	580	560	2130	1500	1610	1070	550	530
40	4.4	Q(Btu/h)	18800	16290	14190	9400	4790	4610	19900	17240	15020	9950	5070	4880	21000	18190	15850	10500	5350	5150
		W	2320	1650	1740	1160	590	570	2200	1570	1650	1100	560	540	2080	1490	1560	1040	530	510
35	1.7	Q(Btu/h)	17790	15000	13430	8900	4540	4360	18900	15930	14270	9450	4820	4630	20010	16860	15110	10000	5100	4900
		W	2250	1590	1710	1130	580	560	2140	1510	1620	1070	550	530	2030	1430	1530	1010	520	500
30	-1.1	Q(Btu/h)	16690	13800	12600	8340	4250	4090	17800	14720	13440	8900	4530	4360	18910	15640	14280	9460	4810	4630
		W	2230	1520	1690	1120	570	550	2120	1440	1600	1060	540	520	2010	1360	1510	1000	510	490
25	-3.9	Q(Btu/h)	15580	12600	11760	7780	3970	3820	16700	13500	12600	8340	4250	4090	17820	14400	13440	8900	4530	4360
		W	2200	1430	1660	1110	560	540	2090	1360	1580	1050	530	510	1980	1290	1500	990	500	480
20	-6.7	Q(Btu/h)	14790	11390	11170	7400	3770	3630	15950	12290	12050	7980	4070	3910	17110	13190	12930	8560	4370	4190
		W	2110	1320	1580	1040	540	520	2000	1250	1500	990	510	490	1890	1180	1420	940	480	460
15	-9.4	Q(Btu/h)	13970	10170	10540	6980	3560	3420	15200	11070	11470	7600	3870	3720	16430	11970	12400	8220	4180	4020
		W	2000	1200	1510	990	510	480	1900	1140	1430	940	480	460	1800	1080	1350	890	450	440
10	-12.2	Q(Btu/h)	12830	8900	9690	6410	3270	3140	14150	9810	10680	7070	3600	3460	15470	10720	11670	7730	3930	3780
		W	1940	1070	1460	970	500	470	1840	1020	1390	920	470	450	1740	970	1320	870	440	430
5	-15.0	Q(Btu/h)	11670	7610	8820	5830	2970	2860	13100	8550	9900	6550	3340	3210	14530	9490	10980	7270	3710	3560
		W	1860	950	1410	940	480	460	1770	900	1340	890	460	440	1680	850	1270	840	440	420
0	-17.8	Q(Btu/h)	10500	6110	7930	5240	2670	2570	12100	7040	9130	6040	3080	2960	13700	7970	10330	6840	3490	3350
		W	1800	820	1360	900	450	430	1710	780	1290	850	430	410	1620	740	1220	800	410	390
-4	-20.0	Q(Btu/h)	9370	4670	7080	4690	2390	2300	11100	5530	8380	5550	2830	2720	12830	6390	9680	6410	3270	3140
		W	1740	700	1320	870	440	420	1650	660	1250	830	420	400	1560	620	1180	790	400	380

* Above data is for heating operation without any frost.

MSZ-HM18NA
MUZ-HM18NAH
1) COOLING

Rated
Q(Btu/h): 17200
W: 1640

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
115	46.1	Q(Btu/h)	16250	15820	12290	8130	-	5240	15390	14710	11630	7690	-	4960	14460	13420	10930	7230	-	4660
		W	2430	1890	1830	1200	-	420	2300	1820	1740	1150	-	390	2190	1740	1650	1070	-	380
110	43.3	Q(Btu/h)	16970	16510	12830	8490	-	5470	16070	15360	12140	8030	-	5180	15100	14070	11410	7550	-	4860
		W	2380	1850	1790	1180	-	410	2250	1780	1700	1130	-	380	2150	1710	1610	1050	-	370
105	40.6	Q(Btu/h)	17680	17200	13360	8860	-	5690	16740	16000	12650	8380	-	5390	15730	14710	11890	7880	-	5060
		W	2320	1810	1740	1140	-	400	2190	1740	1650	1090	-	370	2090	1670	1560	1020	-	360
100	37.8	Q(Btu/h)	18340	17850	13860	9180	-	5920	17370	16600	13120	8680	-	5600	16320	15440	12330	8160	-	5260
		W	2250	1770	1700	1130	-	380	2130	1690	1610	1080	-	360	2030	1620	1520	1010	-	350
95	35.0	Q(Btu/h)	19010	18490	14370	9520	-	6130	18000	17200	13600	9000	-	5800	16910	16170	12780	8470	-	5450
		W	2190	1720	1640	1080	-	370	2070	1640	1560	1030	-	350	1970	1570	1480	960	-	340
90	32.2	Q(Btu/h)	19770	19090	14950	9910	-	6370	18720	17890	14150	9370	-	6030	17590	16770	13300	8810	-	5660
		W	2100	1660	1580	1040	-	360	1990	1580	1500	990	-	340	1900	1510	1420	920	-	330
85	29.4	Q(Btu/h)	20530	19690	15520	10290	-	6610	19440	18580	14690	9730	-	6260	18270	17370	13810	9150	-	5880
		W	2020	1600	1520	1000	-	340	1910	1520	1440	960	-	320	1820	1450	1360	890	-	310
80	26.7	Q(Btu/h)	21290	20380	16090	10660	-	6870	20160	19270	15230	10080	-	6500	18940	18060	14310	9480	-	6100
		W	1940	1530	1460	970	-	330	1830	1450	1390	930	-	310	1750	1380	1320	870	-	300
75	23.9	Q(Btu/h)	22050	21070	16660	11030	-	7110	20880	19950	15770	10430	-	6730	19620	18750	14820	9810	-	6320
		W	1840	1460	1390	920	-	310	1740	1380	1320	880	-	290	1660	1310	1250	820	-	280
70	21.1	Q(Btu/h)	22810	21800	17240	11420	-	7350	21600	20640	16320	10800	-	6960	20300	19400	15340	10160	-	6540
		W	1740	1390	1320	870	-	300	1650	1310	1250	830	-	280	1570	1240	1180	770	-	270
65	18.3	Q(Btu/h)	19480	18620	14730	9760	-	5420	18450	17630	13940	9230	-	5130	17340	16570	13100	8680	-	4820
		W	1960	1560	1480	970	-	560	1860	1470	1400	930	-	520	1770	1390	1320	860	-	500
60	15.6	Q(Btu/h)	19480	18620	14730	9760	-	5420	18450	17630	13940	9230	-	5130	17340	16570	13100	8680	-	4820
		W	1960	1560	1480	970	-	560	1860	1470	1400	930	-	520	1770	1390	1320	860	-	500
55	12.8	Q(Btu/h)	19480	18620	14730	9760	-	5420	18450	17630	13940	9230	-	5130	17340	16570	13100	8680	-	4820
		W	1960	1560	1480	970	-	560	1860	1470	1400	930	-	520	1770	1390	1320	860	-	500
50	10.0	Q(Btu/h)	19480	18620	14730	9760	-	5420	18450	17630	13940	9230	-	5130	17340	16570	13100	8680	-	4820
		W	1960	1560	1480	970	-	560	1860	1470	1400	930	-	520	1770	1390	1320	860	-	500
45	7.2	Q(Btu/h)	19480	18620	14730	9760	-	5420	18450	17630	13940	9230	-	5130	17340	16570	13100	8680	-	4820
		W	1960	1560	1480	970	-	560	1860	1470	1400	930	-	520	1770	1390	1320	860	-	500
40	4.4	Q(Btu/h)	19480	18620	14730	9760	-	5420	18450	17630	13940	9230	-	5130	17340	16570	13100	8680	-	4820
		W	1960	1560	1480	970	-	560	1860	1470	1400	930	-	520	1770	1390	1320	860	-	500
35	1.7	Q(Btu/h)	19480	18620	14730	9760	-	5420	18450	17630	13940	9230	-	5130	17340	16570	13100	8680	-	4820
		W	1960	1560	1480	970	-	560	1860	1470	1400	930	-	520	1770	1390	1320	860	-	500
30	-1.1	Q(Btu/h)	19480	18620	14730	9760	-	5420	18450	17630	13940	9230	-	5130	17340	16570	13100	8680	-	4820
		W	1960	1560	1480	970	-	560	1860	1470	1400	930	-	520	1770	1390	1320	860	-	500
25	-3.9	Q(Btu/h)	19480	18620	14730	9760	-	5420	18450	17630	13940	9230	-	5130	17340	16570	13100	8680	-	4820
		W	1960	1560	1480	970	-	560	1860	1470	1400	930	-	520	1770	1390	1320	860	-	500
20	-6.7	Q(Btu/h)	19480	18620	14730	9760	-	5420	18450	17630	13940	9230	-	5130	17340	16570	13100	8680	-	4820
		W	1960	1560	1480	970	-	560	1860	1470	1400	930	-	520	1770	1390	1320	860	-	500
15	-9.4	Q(Btu/h)	19480	18620	14730	9760	-	5420	18450	17630	13940	9230	-	5130	17340	16570	13100	8680	-	4820
		W	1960	1560	1480	970	-	560	1860	1470	1400	930	-	520	1770	1390	1320	860	-	500

* It may not reach the above capacities in low ambient temperatures.

MSZ-HM18NA
MUZ-HM18NAH
2) HEATING

Rated
Q(Btu/h): 18000
W: 1590

Indoor D.B.			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
65	18.3	Q(Btu/h)	24310	21140	18350	12150	6200	5960	25300	22000	19100	12650	6450	6200	26290	22860	19850	13150	6700	6440
		W	2390	1810	1810	1200	610	590	2270	1720	1720	1140	580	560	2150	1630	1630	1080	550	530
60	15.6	Q(Btu/h)	23240	20600	17540	11620	5920	5690	24250	21490	18300	12120	6180	5940	25260	22380	19060	12620	6440	6190
		W	2390	1800	1810	1200	610	590	2270	1710	1720	1140	580	560	2150	1620	1630	1080	550	530
55	12.8	Q(Btu/h)	22160	20030	16740	11080	5660	5440	23200	20970	17520	11600	5920	5690	24240	21910	18300	12120	6180	5940
		W	2380	1780	1800	1190	610	590	2260	1690	1710	1130	580	560	2140	1600	1620	1070	550	530
50	10.0	Q(Btu/h)	21080	18810	15910	10550	5380	5170	22150	19760	16720	11080	5650	5430	23220	20710	17530	11610	5920	5690
		W	2380	1750	1800	1190	610	590	2260	1660	1710	1130	580	560	2140	1570	1620	1070	550	530
45	7.2	Q(Btu/h)	20010	17580	15110	10000	5100	4900	21100	18540	15930	10550	5380	5170	22190	19500	16750	11100	5660	5440
		W	2380	1710	1800	1190	610	590	2260	1620	1710	1130	580	560	2140	1530	1620	1070	550	530
43	6.1	Q(Btu/h)	19790	17040	14940	9900	5050	4860	20900	18000	15780	10450	5330	5130	22010	18960	16620	11000	5610	5400
		W	2370	1680	1790	1190	610	590	2250	1590	1700	1130	580	560	2130	1500	1610	1070	550	530
40	4.4	Q(Btu/h)	18800	16290	14190	9400	4790	4610	19900	17240	15020	9950	5070	4880	21000	18190	15850	10500	5350	5150
		W	2320	1650	1740	1160	590	570	2200	1570	1650	1100	560	540	2080	1490	1560	1040	530	510
35	1.7	Q(Btu/h)	17790	15000	13430	8900	4540	4360	18900	15930	14270	9450	4820	4630	20010	16860	15110	10000	5100	4900
		W	2250	1590	1710	1130	580	560	2140	1510	1620	1070	550	530	2030	1430	1530	1010	520	500
30	-1.1	Q(Btu/h)	16690	13800	12600	8340	4250	4090	17800	14720	13440	8900	4530	4360	18910	15640	14280	9460	4810	4630
		W	2370	1650	1820	1250	710	680	2250	1570	1730	1190	670	650	2130	1490	1640	1130	630	620
25	-3.9	Q(Btu/h)	15580	12600	11760	7780	3970	3820	16700	13500	12600	8340	4250	4090	17820	14400	13440	8900	4530	4360
		W	2340	1570	1800	1240	700	670	2220	1490	1710	1180	660	640	2100	1410	1620	1120	620	610
20	-6.7	Q(Btu/h)	14790	11390	11170	7400	3770	3630	15950	12290	12050	7980	4070	3910	17110	13190	12930	8560	4370	4190
		W	2240	1450	1720	1180	670	650	2130	1380	1630	1120	640	620	2020	1310	1540	1060	610	590
15	-9.4	Q(Btu/h)	13970	10170	10540	6980	3560	3420	15200	11070	11470	7600	3870	3720	16430	11970	12400	8220	4180	4020
		W	2140	1340	1640	1130	640	620	2030	1270	1560	1070	610	590	1920	1200	1480	1010	580	560
10	-12.2	Q(Btu/h)	12830	8900	9690	6410	3270	3140	14150	9810	10680	7070	3600	3460	15470	10720	11670	7730	3930	3780
		W	2080	1210	1600	1110	630	610	1970	1150	1520	1050	600	580	1860	1090	1440	990	570	550
5	-15.0	Q(Btu/h)	11670	7610	8820	5830	2970	2860	13100	8550	9900	6550	3340	3210	14530	9490	10980	7270	3710	3560
		W	2000	1090	1550	1070	620	600	1900	1030	1470	1020	590	570	1800	970	1390	970	560	540
0	-17.8	Q(Btu/h)	10500	6110	7930	5240	2670	2570	12100	7040	9130	6040	3080	2960	13700	7970	10330	6840	3490	3350
		W	1940	960	1500	1030	590	570	1840	910	1420	980	560	540	1740	860	1340	930	530	510
-4	-20.0	Q(Btu/h)	9370	4670	7080	4690	2390	2300	11100	5530	8380	5550	2830	2720	12830	6390	9680	6410	3270	3140
		W	1880	830	1450	1010	580	560	1780	790	1380	960	550	530	1680	750	1310	910	520	500

* Above data is for heating operation without any frost.

MSZ-HM24NA
MUZ-HM24NA
1) COOLING

Rated
Q(Btu/h): 22500
W: 2630

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
115	46.1	Q(Btu/h)	20320	20700	15340	10160	5180	5240	19240	19240	14530	9630	4910	4960	18080	17550	13650	9040	4620	4660
		W	3090	3020	2320	1540	780	380	2920	2920	2200	1450	740	370	2770	2790	2080	1380	700	340
110	43.3	Q(Btu/h)	21210	21600	16020	10600	5420	5470	20090	20090	15170	10050	5130	5180	18880	18400	14250	9430	4820	4860
		W	3030	2970	2280	1530	780	370	2860	2860	2160	1440	740	360	2720	2740	2040	1370	700	330
105	40.6	Q(Btu/h)	22100	22500	16680	11040	5640	5690	20930	20930	15800	10460	5340	5390	19670	19240	14850	9820	5020	5060
		W	2950	2910	2220	1490	760	360	2790	2790	2110	1400	720	350	2650	2680	2000	1340	680	330
100	37.8	Q(Btu/h)	22930	23350	17320	11450	5840	5920	21720	21720	16400	10850	5530	5600	20410	20200	15410	10190	5200	5260
		W	2870	2840	2150	1440	730	350	2710	2710	2040	1350	690	340	2580	2600	1930	1290	650	320
95	35.0	Q(Btu/h)	23760	24190	17940	11870	6060	6130	22500	22500	16990	11250	5740	5800	21150	21150	15960	10560	5400	5450
		W	2780	2760	2090	1390	700	340	2630	2630	1980	1310	660	330	2500	2510	1870	1250	620	310
90	32.2	Q(Btu/h)	24710	24980	18660	12330	6300	6370	23400	23400	17670	11690	5970	6030	21990	21940	16600	10970	5610	5660
		W	2680	2660	2010	1340	670	330	2530	2530	1910	1260	640	320	2400	2420	1810	1200	610	300
85	29.4	Q(Btu/h)	25660	25760	19370	12820	6540	6610	24300	24300	18350	12150	6200	6260	22840	22730	17240	11410	5830	5880
		W	2570	2560	1930	1290	640	320	2430	2430	1830	1210	610	310	2310	2330	1730	1160	580	290
80	26.7	Q(Btu/h)	26610	26660	20090	13310	6800	6870	25200	25200	19030	12610	6440	6500	23680	23630	17880	11840	6050	6100
		W	2460	2450	1840	1220	620	310	2320	2320	1750	1150	590	300	2200	2220	1660	1100	560	280
75	23.9	Q(Btu/h)	27560	27560	20810	13780	7030	7110	26100	26100	19710	13060	6660	6730	24530	24530	18520	12260	6260	6320
		W	2340	2340	1760	1170	590	290	2210	2210	1670	1100	560	280	2100	2100	1580	1050	530	260
70	21.1	Q(Btu/h)	28510	28510	21520	14240	7270	7350	27000	27000	20380	13500	6890	6960	25380	25380	19150	12670	6480	6540
		W	2220	2220	1680	1120	560	270	2100	2100	1590	1050	530	260	2000	2000	1500	1000	500	240
65	18.3	Q(Btu/h)	24350	24350	18390	12170	6210	4970	23060	23060	17420	11540	5890	4710	21680	21680	16370	10830	5540	4430
		W	2510	2510	1890	1270	640	510	2370	2370	1790	1190	610	490	2260	2260	1690	1130	580	450
60	15.6	Q(Btu/h)	24350	24350	18390	12170	6210	4970	23060	23060	17420	11540	5890	4710	21680	21680	16370	10830	5540	4430
		W	2510	2510	1890	1270	640	510	2370	2370	1790	1190	610	490	2260	2260	1690	1130	580	450
55	12.8	Q(Btu/h)	24350	24350	18390	12170	6210	4970	23060	23060	17420	11540	5890	4710	21680	21680	16370	10830	5540	4430
		W	2510	2510	1890	1270	640	510	2370	2370	1790	1190	610	490	2260	2260	1690	1130	580	450
50	10.0	Q(Btu/h)	24350	24350	18390	12170	6210	4970	23060	23060	17420	11540	5890	4710	21680	21680	16370	10830	5540	4430
		W	2510	2510	1890	1270	640	510	2370	2370	1790	1190	610	490	2260	2260	1690	1130	580	450
45	7.2	Q(Btu/h)	24350	24350	18390	12170	6210	4970	23060	23060	17420	11540	5890	4710	21680	21680	16370	10830	5540	4430
		W	2510	2510	1890	1270	640	510	2370	2370	1790	1190	610	490	2260	2260	1690	1130	580	450
40	4.4	Q(Btu/h)	24350	24350	18390	12170	6210	4970	23060	23060	17420	11540	5890	4710	21680	21680	16370	10830	5540	4430
		W	2510	2510	1890	1270	640	510	2370	2370	1790	1190	610	490	2260	2260	1690	1130	580	450
35	1.7	Q(Btu/h)	24350	24350	18390	12170	6210	4970	23060	23060	17420	11540	5890	4710	21680	21680	16370	10830	5540	4430
		W	2510	2510	1890	1270	640	510	2370	2370	1790	1190	610	490	2260	2260	1690	1130	580	450
30	-1.1	Q(Btu/h)	24350	24350	18390	12170	6210	4970	23060	23060	17420	11540	5890	4710	21680	21680	16370	10830	5540	4430
		W	2510	2510	1890	1270	640	510	2370	2370	1790	1190	610	490	2260	2260	1690	1130	580	450
25	-3.9	Q(Btu/h)	24350	24350	18390	12170	6210	4970	23060	23060	17420	11540	5890	4710	21680	21680	16370	10830	5540	4430
		W	2510	2510	1890	1270	640	510	2370	2370	1790	1190	610	490	2260	2260	1690	1130	580	450
20	-6.7	Q(Btu/h)	24350	24350	18390	12170	6210	4970	23060	23060	17420	11540	5890	4710	21680	21680	16370	10830	5540	4430
		W	2510	2510	1890	1270	640	510	2370	2370	1790	1190	610	490	2260	2260	1690	1130	580	450
15	-9.4	Q(Btu/h)	24350	24350	18390	12170	6210	4970	23060	23060	17420	11540	5890	4710	21680	21680	16370	10830	5540	4430
		W	2510	2510	1890	1270	640	510	2370	2370	1790	1190	610	490	2260	2260	1690	1130	580	450

* It may not reach the above capacities in low ambient temperatures.

MSZ-HM24NA
MUZ-HM24NA
2) HEATING

Rated
Q(Btu/h): 26000
W: 2500

Indoor D.B.			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
65	18.3	Q(Btu/h)	30750	30750	23130	15510	7620	5260	32000	32000	24070	16140	7930	5470	33250	33250	25010	16770	8240	5680
		W	2920	2840	2200	1470	730	510	2770	2700	2090	1400	690	480	2620	2560	1980	1330	650	450
60	15.6	Q(Btu/h)	29860	29860	22460	15060	7400	5100	31150	31150	23430	15710	7720	5320	32440	32440	24400	16360	8040	5540
		W	2860	2820	2150	1440	710	480	2710	2680	2040	1370	670	460	2570	2540	1930	1300	630	440
55	12.8	Q(Btu/h)	28950	28940	21770	14600	7170	4950	30300	30290	22790	15280	7510	5180	31650	31640	23810	15960	7850	5410
		W	2790	2790	2100	1400	680	470	2650	2650	1990	1330	650	450	2510	2510	1880	1260	620	430
50	10.0	Q(Btu/h)	27170	27170	20450	13710	6740	4640	28550	28540	21480	14400	7080	4880	29930	29910	22510	15090	7420	5120
		W	2740	2740	2060	1380	670	460	2600	2600	1960	1310	640	440	2460	2460	1860	1240	610	420
45	7.2	Q(Btu/h)	25410	25400	19120	12820	6310	4350	26800	26780	20160	13520	6650	4590	28190	28160	21200	14220	6990	4830
		W	2690	2690	2020	1360	670	460	2550	2550	1920	1290	640	440	2410	2410	1820	1220	610	420
43	6.1	Q(Btu/h)	24620	24620	18520	12410	6100	4200	26000	26000	19560	13110	6440	4440	27380	27380	20600	13810	6780	4680
		W	2630	2630	1980	1330	650	450	2500	2500	1880	1260	620	430	2370	2370	1780	1190	590	410
40	4.4	Q(Btu/h)	23380	23530	17580	11780	5790	4000	24750	24900	18610	12470	6130	4230	26120	26270	19640	13160	6470	4460
		W	2600	2600	1960	1320	650	450	2470	2470	1860	1250	620	430	2340	2340	1760	1180	590	410
35	1.7	Q(Btu/h)	22120	21660	16630	11160	5480	3770	23500	23010	17670	11850	5820	4010	24880	24360	18710	12540	6160	4250
		W	2560	2510	1930	1300	630	430	2430	2380	1830	1230	600	410	2300	2250	1730	1160	570	390
30	-1.1	Q(Btu/h)	20670	19930	15560	10440	5130	3530	22050	21260	16590	11130	5470	3770	23430	22590	17620	11820	5810	4010
		W	2510	2380	1900	1270	620	430	2380	2260	1800	1210	590	410	2250	2140	1700	1150	560	390
25	-3.9	Q(Btu/h)	19220	18200	14450	9690	4760	3280	20600	19500	15490	10380	5100	3520	21980	20800	16530	11070	5440	3760
		W	2440	2250	1830	1220	600	410	2320	2140	1740	1160	570	390	2200	2030	1650	1100	540	370
20	-6.7	Q(Btu/h)	18030	16460	13560	9100	4470	3080	19450	17750	14630	9810	4820	3320	20870	19040	15700	10520	5170	3560
		W	2380	2080	1790	1200	590	410	2260	1970	1700	1140	560	390	2140	1860	1610	1080	530	370
15	-9.4	Q(Btu/h)	16810	14690	12640	8480	4170	2880	18300	15990	13760	9230	4540	3130	19790	17290	14880	9980	4910	3380
		W	2320	1900	1740	1160	570	390	2200	1800	1650	1100	540	370	2080	1700	1560	1040	510	350
10	-12.2	Q(Btu/h)	15330	12850	11530	7730	3800	2620	16900	14170	12710	8520	4190	2890	18470	15490	13890	9310	4580	3160
		W	2270	1700	1710	1150	570	390	2150	1610	1620	1090	540	370	2030	1520	1530	1030	510	350
5	-15.0	Q(Btu/h)	13800	11000	10380	6960	3420	2360	15500	12350	11660	7820	3840	2650	17200	13700	12940	8680	4260	2940
		W	2200	1490	1650	1110	550	380	2090	1410	1570	1050	520	360	1980	1330	1490	990	490	340
0	-17.8	Q(Btu/h)	12330	9180	9270	6220	3060	2110	14200	10580	10680	7160	3520	2430	16070	11980	12090	8100	3980	2750
		W	1960	1310	1470	990	480	340	1860	1240	1400	940	460	320	1760	1170	1330	890	440	300
-4	-20.0	Q(Btu/h)	10810	7430	8130	5450	2690	1850	12800	8800	9630	6460	3180	2190	14790	10170	11130	7470	3670	2530
		W	1840	1120	1390	940	460	320	1750	1060	1320	890	440	300	1660	1000	1250	840	420	280

* Above data is for heating operation without any frost.

MSZ-HM24NA
MUZ-HM24NAH
1) COOLING

Rated
Q(Btu/h): 22500
W: 2630

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
115	46.1	Q(Btu/h)	20320	20700	15340	10160	5180	5240	19240	19240	14530	9630	4910	4960	18080	17550	13650	9040	4620	4660
		W	3090	3020	2320	1540	780	380	2920	2920	2200	1450	740	370	2770	2790	2080	1380	700	340
110	43.3	Q(Btu/h)	21210	21600	16020	10600	5420	5470	20090	20090	15170	10050	5130	5180	18880	18400	14250	9430	4820	4860
		W	3030	2970	2280	1530	780	370	2860	2860	2160	1440	740	360	2720	2740	2040	1370	700	330
105	40.6	Q(Btu/h)	22100	22500	16680	11040	5640	5690	20930	20930	15800	10460	5340	5390	19670	19240	14850	9820	5020	5060
		W	2950	2910	2220	1490	760	360	2790	2790	2110	1400	720	350	2650	2680	2000	1340	680	330
100	37.8	Q(Btu/h)	22930	23350	17320	11450	5840	5920	21720	21720	16400	10850	5530	5600	20410	20200	15410	10190	5200	5260
		W	2870	2840	2150	1440	730	350	2710	2710	2040	1350	690	340	2580	2600	1930	1290	650	320
95	35.0	Q(Btu/h)	23760	24190	17940	11870	6060	6130	22500	22500	16990	11250	5740	5800	21150	21150	15960	10560	5400	5450
		W	2780	2760	2090	1390	700	340	2630	2630	1980	1310	660	330	2500	2510	1870	1250	620	310
90	32.2	Q(Btu/h)	24710	24980	18660	12330	6300	6370	23400	23400	17670	11690	5970	6030	21990	21940	16600	10970	5610	5660
		W	2680	2660	2010	1340	670	330	2530	2530	1910	1260	640	320	2400	2420	1810	1200	610	300
85	29.4	Q(Btu/h)	25660	25760	19370	12820	6540	6610	24300	24300	18350	12150	6200	6260	22840	22730	17240	11410	5830	5880
		W	2570	2560	1930	1290	640	320	2430	2430	1830	1210	610	310	2310	2330	1730	1160	580	290
80	26.7	Q(Btu/h)	26610	26660	20090	13310	6800	6870	25200	25200	19030	12610	6440	6500	23680	23630	17880	11840	6050	6100
		W	2460	2450	1840	1220	620	310	2320	2320	1750	1150	590	300	2200	2220	1660	1100	560	280
75	23.9	Q(Btu/h)	27560	27560	20810	13780	7030	7110	26100	26100	19710	13060	6660	6730	24530	24530	18520	12260	6260	6320
		W	2340	2340	1760	1170	590	290	2210	2210	1670	1100	560	280	2100	2100	1580	1050	530	260
70	21.1	Q(Btu/h)	28510	28510	21520	14240	7270	7350	27000	27000	20380	13500	6890	6960	25380	25380	19150	12670	6480	6540
		W	2220	2220	1680	1120	560	270	2100	2100	1590	1050	530	260	2000	2000	1500	1000	500	240
65	18.3	Q(Btu/h)	24350	24350	18390	12170	6210	4970	23060	23060	17420	11540	5890	4710	21680	21680	16370	10830	5540	4430
		W	2510	2510	1890	1270	640	510	2370	2370	1790	1190	610	490	2260	2260	1690	1130	580	450
60	15.6	Q(Btu/h)	24350	24350	18390	12170	6210	4970	23060	23060	17420	11540	5890	4710	21680	21680	16370	10830	5540	4430
		W	2510	2510	1890	1270	640	510	2370	2370	1790	1190	610	490	2260	2260	1690	1130	580	450
55	12.8	Q(Btu/h)	24350	24350	18390	12170	6210	4970	23060	23060	17420	11540	5890	4710	21680	21680	16370	10830	5540	4430
		W	2510	2510	1890	1270	640	510	2370	2370	1790	1190	610	490	2260	2260	1690	1130	580	450
50	10.0	Q(Btu/h)	24350	24350	18390	12170	6210	4970	23060	23060	17420	11540	5890	4710	21680	21680	16370	10830	5540	4430
		W	2510	2510	1890	1270	640	510	2370	2370	1790	1190	610	490	2260	2260	1690	1130	580	450
45	7.2	Q(Btu/h)	24350	24350	18390	12170	6210	4970	23060	23060	17420	11540	5890	4710	21680	21680	16370	10830	5540	4430
		W	2510	2510	1890	1270	640	510	2370	2370	1790	1190	610	490	2260	2260	1690	1130	580	450
40	4.4	Q(Btu/h)	24350	24350	18390	12170	6210	4970	23060	23060	17420	11540	5890	4710	21680	21680	16370	10830	5540	4430
		W	2510	2510	1890	1270	640	510	2370	2370	1790	1190	610	490	2260	2260	1690	1130	580	450
35	1.7	Q(Btu/h)	24350	24350	18390	12170	6210	4970	23060	23060	17420	11540	5890	4710	21680	21680	16370	10830	5540	4430
		W	2510	2510	1890	1270	640	510	2370	2370	1790	1190	610	490	2260	2260	1690	1130	580	450
30	-1.1	Q(Btu/h)	24350	24350	18390	12170	6210	4970	23060	23060	17420	11540	5890	4710	21680	21680	16370	10830	5540	4430
		W	2510	2510	1890	1270	640	510	2370	2370	1790	1190	610	490	2260	2260	1690	1130	580	450
25	-3.9	Q(Btu/h)	24350	24350	18390	12170	6210	4970	23060	23060	17420	11540	5890	4710	21680	21680	16370	10830	5540	4430
		W	2510	2510	1890	1270	640	510	2370	2370	1790	1190	610	490	2260	2260	1690	1130	580	450
20	-6.7	Q(Btu/h)	24350	24350	18390	12170	6210	4970	23060	23060	17420	11540	5890	4710	21680	21680	16370	10830	5540	4430
		W	2510	2510	1890	1270	640	510	2370	2370	1790	1190	610	490	2260	2260	1690	1130	580	450
15	-9.4	Q(Btu/h)	24350	24350	18390	12170	6210	4970	23060	23060	17420	11540	5890	4710	21680	21680	16370	10830	5540	4430
		W	2510	2510	1890	1270	640	510	2370	2370	1790	1190	610	490	2260	2260	1690	1130	580	450

* It may not reach the above capacities in low ambient temperatures.

MSZ-HM24NA
MUZ-HM24NAH
2) HEATING

Rated
Q(Btu/h): 26000
W: 2500

Indoor D.B.			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
65	18.3	Q(Btu/h)	30750	30750	23130	15510	7620	5260	32000	32000	24070	16140	7930	5470	33250	33250	25010	16770	8240	5680
		W	2920	2840	2200	1470	730	510	2770	2700	2090	1400	690	480	2620	2560	1980	1330	650	450
60	15.6	Q(Btu/h)	29860	29860	22460	15060	7400	5100	31150	31150	23430	15710	7720	5320	32440	32440	24400	16360	8040	5540
		W	2860	2820	2150	1440	710	480	2710	2680	2040	1370	670	460	2570	2540	1930	1300	630	440
55	12.8	Q(Btu/h)	28950	28940	21770	14600	7170	4950	30300	30290	22790	15280	7510	5180	31650	31640	23810	15960	7850	5410
		W	2790	2790	2100	1400	680	470	2650	2650	1990	1330	650	450	2510	2510	1880	1260	620	430
50	10.0	Q(Btu/h)	27170	27170	20450	13710	6740	4640	28550	28540	21480	14400	7080	4880	29930	29910	22510	15090	7420	5120
		W	2740	2740	2060	1380	670	460	2600	2600	1960	1310	640	440	2460	2460	1860	1240	610	420
45	7.2	Q(Btu/h)	25410	25400	19120	12820	6310	4350	26800	26780	20160	13520	6650	4590	28190	28160	21200	14220	6990	4830
		W	2690	2690	2020	1360	670	460	2550	2550	1920	1290	640	440	2410	2410	1820	1220	610	420
43	6.1	Q(Btu/h)	24620	24620	18520	12410	6100	4200	26000	26000	19560	13110	6440	4440	27380	27380	20600	13810	6780	4680
		W	2630	2630	1980	1330	650	450	2500	2500	1880	1260	620	430	2370	2370	1780	1190	590	410
40	4.4	Q(Btu/h)	23380	23530	17580	11780	5790	4000	24750	24900	18610	12470	6130	4230	26120	26270	19640	13160	6470	4460
		W	2600	2600	1960	1320	650	450	2470	2470	1860	1250	620	430	2340	2340	1760	1180	590	410
35	1.7	Q(Btu/h)	22120	21660	16630	11160	5480	3770	23500	23010	17670	11850	5820	4010	24880	24360	18710	12540	6160	4250
		W	2560	2510	1930	1300	630	430	2430	2380	1830	1230	600	410	2300	2250	1730	1160	570	390
30	-1.1	Q(Btu/h)	20670	19930	15560	10440	5130	3530	22050	21260	16590	11130	5470	3770	23430	22590	17620	11820	5810	4010
		W	2630	2510	2020	1400	750	560	2500	2380	1920	1330	710	530	2370	2250	1820	1260	670	500
25	-3.9	Q(Btu/h)	19220	18200	14450	9690	4760	3280	20600	19500	15490	10380	5100	3520	21980	20800	16530	11070	5440	3760
		W	2570	2380	1960	1350	730	540	2440	2260	1860	1280	690	510	2310	2140	1760	1210	650	480
20	-6.7	Q(Btu/h)	18030	16460	13560	9100	4470	3080	19450	17750	14630	9810	4820	3320	20870	19040	15700	10520	5170	3560
		W	2510	2200	1920	1330	720	540	2380	2090	1820	1260	680	510	2250	1980	1720	1190	640	480
15	-9.4	Q(Btu/h)	16810	14690	12640	8480	4170	2880	18300	15990	13760	9230	4540	3130	19790	17290	14880	9980	4910	3380
		W	2440	2020	1860	1290	700	520	2320	1920	1770	1220	660	490	2200	1820	1680	1150	620	460
10	-12.2	Q(Btu/h)	15330	12850	11530	7730	3800	2620	16900	14170	12710	8520	4190	2890	18470	15490	13890	9310	4580	3160
		W	2390	1820	1830	1270	700	520	2270	1730	1740	1210	660	490	2150	1640	1650	1150	620	460
5	-15.0	Q(Btu/h)	13800	11000	10380	6960	3420	2360	15500	12350	11660	7820	3840	2650	17200	13700	12940	8680	4260	2940
		W	2330	1610	1780	1230	670	510	2210	1530	1690	1170	640	480	2090	1450	1600	1110	610	450
0	-17.8	Q(Btu/h)	12330	9180	9270	6220	3060	2110	14200	10580	10680	7160	3520	2430	16070	11980	12090	8100	3980	2750
		W	2090	1430	1600	1120	610	460	1980	1360	1520	1060	580	440	1870	1290	1440	1000	550	420
-4	-20.0	Q(Btu/h)	10810	7430	8130	5450	2690	1850	12800	8800	9630	6460	3180	2190	14790	10170	11130	7470	3670	2530
		W	1970	1240	1520	1060	590	440	1870	1180	1440	1010	560	420	1770	1120	1360	960	530	400

* Above data is for heating operation without any frost.

MSZ-WR09NA
MUZ-WR09NA
1) COOLING

Rated
Q(Btu/h): 9000
W: 820

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
115	46.1	Q(Btu/h)	9030	8280	6790	4560	-	3450	8550	7700	6440	4330	-	3270	8030	7020	6050	4060	-	3060
		W	1100	940	820	550	-	400	1030	910	780	520	-	390	980	870	740	490	-	360
110	43.3	Q(Btu/h)	9430	8640	7100	4760	-	3600	8930	8040	6730	4520	-	3420	8390	7360	6320	4240	-	3200
		W	1070	930	800	530	-	390	1010	890	760	500	-	380	960	860	720	480	-	360
105	40.6	Q(Btu/h)	9820	9000	7390	4970	-	3770	9300	8370	7010	4720	-	3580	8740	7700	6580	4420	-	3350
		W	1050	910	790	530	-	390	990	870	750	500	-	380	940	840	710	480	-	360
100	37.8	Q(Btu/h)	10190	9340	7670	5150	-	3900	9650	8690	7270	4890	-	3700	9070	8080	6830	4580	-	3470
		W	1020	890	770	510	-	380	960	850	730	490	-	370	910	810	690	470	-	350
95	35.0	Q(Btu/h)	10560	9680	7940	5330	-	4040	10000	9000	7530	5060	-	3830	9400	8460	7070	4740	-	3590
		W	990	860	740	490	-	370	930	820	700	470	-	360	880	780	660	450	-	340
90	32.2	Q(Btu/h)	10980	10000	8260	5540	-	4190	10400	9360	7830	5260	-	3980	9770	8780	7360	4930	-	3730
		W	960	830	710	470	-	350	900	790	680	450	-	340	850	760	650	430	-	320
85	29.4	Q(Btu/h)	11410	10310	8580	5760	-	4360	10800	9720	8130	5470	-	4140	10150	9090	7640	5130	-	3880
		W	920	800	680	470	-	350	860	760	650	450	-	340	820	730	620	430	-	320
80	26.7	Q(Btu/h)	11830	10670	8900	5980	-	4530	11200	10080	8440	5680	-	4300	10520	9450	7930	5320	-	4030
		W	870	770	650	430	-	320	820	730	620	410	-	310	780	700	590	390	-	290
75	23.9	Q(Btu/h)	12250	11030	9220	6200	-	4690	11600	10440	8740	5890	-	4450	10900	9810	8210	5520	-	4170
		W	830	730	620	420	-	320	780	690	590	400	-	310	740	660	560	380	-	290
70	21.1	Q(Btu/h)	12670	11410	9540	6400	-	4860	12000	10800	9040	6080	-	4610	11280	10150	8490	5700	-	4320
		W	790	690	590	400	-	300	740	650	560	380	-	290	700	620	530	360	-	270
65	18.3	Q(Btu/h)	10820	9750	8160	5480	-	4160	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3700
		W	820	720	610	420	-	320	770	680	580	400	-	310	730	650	550	380	-	290
60	15.6	Q(Btu/h)	10820	9750	8160	5480	-	4160	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3700
		W	820	720	610	420	-	320	770	680	580	400	-	310	730	650	550	380	-	290
55	12.8	Q(Btu/h)	10820	9750	8160	5480	-	4160	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3700
		W	820	720	610	420	-	320	770	680	580	400	-	310	730	650	550	380	-	290
50	10.0	Q(Btu/h)	10820	9750	8160	5480	-	4160	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3700
		W	820	720	610	420	-	320	770	680	580	400	-	310	730	650	550	380	-	290
45	7.2	Q(Btu/h)	10820	9750	8160	5480	-	4160	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3700
		W	820	720	610	420	-	320	770	680	580	400	-	310	730	650	550	380	-	290
40	4.4	Q(Btu/h)	10820	9750	8160	5480	-	4160	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3700
		W	820	720	610	420	-	320	770	680	580	400	-	310	730	650	550	380	-	290
35	1.7	Q(Btu/h)	10820	9750	8160	5480	-	4160	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3700
		W	820	720	610	420	-	320	770	680	580	400	-	310	730	650	550	380	-	290

* It may not reach the above capacities in low ambient temperatures.

MSZ-WR09NA
MUZ-WR09NA
2) HEATING

Rated
Q(Btu/h): 10900
W: 980

Indoor D.B.			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
65	18.3	Q(Btu/h)	14610	13620	11030	7300	-	4860	15200	14170	11480	7600	-	5060	15790	14720	11930	7900	-	5260
		W	1460	1120	1110	730	-	480	1390	1060	1050	690	-	460	1320	1000	990	650	-	440
60	15.6	Q(Btu/h)	13900	12880	10510	6950	-	4640	14500	13440	10960	7250	-	4840	15100	14000	11410	7550	-	5040
		W	1400	1110	1060	710	-	480	1330	1050	1010	670	-	460	1260	990	960	630	-	440
55	12.8	Q(Btu/h)	13180	12130	9960	6590	-	4390	13800	12700	10430	6900	-	4600	14420	13270	10900	7210	-	4810
		W	1330	1100	990	660	-	440	1260	1040	940	630	-	420	1190	980	890	600	-	400
50	10.0	Q(Btu/h)	12420	11390	9390	6220	-	4150	13050	11970	9860	6530	-	4360	13680	12550	10330	6840	-	4570
		W	1250	1070	950	620	-	410	1190	1020	900	590	-	390	1130	970	850	560	-	370
45	7.2	Q(Btu/h)	11660	10650	8810	5830	-	3890	12300	11230	9290	6150	-	4100	12940	11810	9770	6470	-	4310
		W	1180	1050	900	600	-	400	1120	1000	850	570	-	380	1060	950	800	540	-	360
43	6.1	Q(Btu/h)	11170	10320	8450	5590	-	3730	11800	10900	8920	5900	-	3940	12430	11480	9390	6210	-	4150
		W	1150	1030	860	570	-	370	1090	980	820	540	-	350	1030	930	780	510	-	330
40	4.4	Q(Btu/h)	10680	9860	8070	5340	-	3560	11300	10440	8540	5650	-	3770	11920	11020	9010	5960	-	3980
		W	1100	1020	830	560	-	370	1040	970	790	530	-	350	980	920	750	500	-	330
35	1.7	Q(Btu/h)	10170	9080	7680	5080	-	3390	10800	9650	8160	5400	-	3600	11430	10220	8640	5720	-	3810
		W	1030	980	780	520	-	350	980	930	740	490	-	330	930	880	700	460	-	310
30	-1.1	Q(Btu/h)	9420	8360	7120	4720	-	3140	10050	8920	7590	5030	-	3350	10680	9480	8060	5340	-	3560
		W	970	940	740	500	-	330	920	890	700	470	-	310	870	840	660	440	-	290
25	-3.9	Q(Btu/h)	8680	7630	6560	4340	-	2890	9300	8180	7030	4650	-	3100	9920	8730	7500	4960	-	3310
		W	900	880	670	450	-	310	850	840	640	430	-	290	800	800	610	410	-	270
20	-6.7	Q(Btu/h)	7930	6900	5990	3970	-	2650	8550	7440	6460	4280	-	2860	9170	7980	6930	4590	-	3070
		W	820	820	620	410	-	270	780	780	590	390	-	260	740	740	560	370	-	250
15	-9.4	Q(Btu/h)	7170	6160	5410	3580	-	2390	7800	6700	5890	3900	-	2600	8430	7240	6370	4220	-	2810
		W	750	750	570	380	-	260	710	710	540	360	-	250	670	670	510	340	-	240
10	-12.2	Q(Btu/h)	6390	5390	4830	3200	-	2130	7050	5940	5330	3530	-	2350	7710	6490	5830	3860	-	2570
		W	670	660	520	350	-	230	640	630	490	330	-	220	610	600	460	310	-	210
5	-15.0	Q(Btu/h)	5610	4610	4240	2810	-	1870	6300	5180	4760	3150	-	2100	6990	5750	5280	3490	-	2330
		W	600	580	450	290	-	190	570	550	430	280	-	180	540	520	410	270	-	170

* Above data is for heating operation without any frost.

MSZ-WR12NA
MUZ-WR12NA
1) COOLING

Rated
Q(Btu/h): 12000
W: 1330

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
115	46.1	Q(Btu/h)	11020	11040	8290	5570	-	3320	10430	10260	7850	5270	-	3140	9800	9360	7380	4960	-	2960
		W	1640	1530	1220	820	-	470	1550	1480	1170	780	-	460	1470	1410	1100	740	-	430
110	43.3	Q(Btu/h)	11510	11520	8660	5830	-	3470	10890	10710	8200	5510	-	3280	10240	9810	7710	5190	-	3090
		W	1610	1500	1190	800	-	460	1520	1450	1140	760	-	450	1440	1390	1080	720	-	430
105	40.6	Q(Btu/h)	11990	12000	9020	6060	-	3610	11350	11160	8540	5730	-	3410	10670	10260	8030	5390	-	3210
		W	1570	1470	1170	800	-	460	1480	1410	1120	760	-	450	1400	1360	1060	720	-	430
100	37.8	Q(Btu/h)	12450	12450	9370	6290	-	3750	11780	11580	8870	5950	-	3540	11070	10770	8340	5600	-	3330
		W	1530	1440	1130	770	-	440	1440	1370	1080	730	-	430	1370	1320	1020	690	-	410
95	35.0	Q(Btu/h)	12890	12900	9700	6520	-	3900	12200	12000	9180	6170	-	3680	11470	11280	8630	5810	-	3460
		W	1480	1400	1100	750	-	430	1400	1330	1050	710	-	420	1330	1270	990	670	-	400
90	32.2	Q(Btu/h)	13410	13320	10090	6780	-	4040	12690	12480	9550	6410	-	3820	11930	11700	8980	6030	-	3600
		W	1430	1350	1070	710	-	420	1350	1280	1020	680	-	410	1280	1230	960	650	-	390
85	29.4	Q(Btu/h)	13930	13740	10480	7040	-	4200	13180	12960	9920	6660	-	3970	12390	12120	9320	6270	-	3740
		W	1380	1300	1020	680	-	400	1300	1230	980	650	-	390	1230	1180	920	620	-	370
80	26.7	Q(Btu/h)	14440	14220	10870	7320	-	4360	13670	13440	10290	6920	-	4120	12850	12600	9670	6510	-	3880
		W	1310	1240	970	660	-	390	1240	1180	930	630	-	380	1180	1120	880	600	-	360
75	23.9	Q(Btu/h)	14950	14700	11250	7560	-	4510	14150	13920	10650	7150	-	4260	13300	13080	10010	6730	-	4010
		W	1250	1180	930	630	-	370	1180	1120	890	600	-	360	1120	1060	840	570	-	340
70	21.1	Q(Btu/h)	15470	15210	11640	7810	-	4660	14640	14400	11020	7390	-	4400	13760	13530	10360	6960	-	4140
		W	1190	1120	880	590	-	340	1120	1060	840	560	-	330	1060	1000	790	530	-	310
65	18.3	Q(Btu/h)	13220	12990	9950	6680	-	3990	12510	12300	9420	6320	-	3770	11760	11560	8860	5950	-	3550
		W	820	770	610	410	-	240	770	730	580	390	-	230	730	690	550	370	-	220
60	15.6	Q(Btu/h)	13220	12990	9950	6680	-	3990	12510	12300	9420	6320	-	3770	11760	11560	8860	5950	-	3550
		W	820	770	610	410	-	240	770	730	580	390	-	230	730	690	550	370	-	220
55	12.8	Q(Btu/h)	13220	12990	9950	6680	-	3990	12510	12300	9420	6320	-	3770	11760	11560	8860	5950	-	3550
		W	820	770	610	410	-	240	770	730	580	390	-	230	730	690	550	370	-	220
50	10.0	Q(Btu/h)	13220	12990	9950	6680	-	3990	12510	12300	9420	6320	-	3770	11760	11560	8860	5950	-	3550
		W	820	770	610	410	-	240	770	730	580	390	-	230	730	690	550	370	-	220
45	7.2	Q(Btu/h)	13220	12990	9950	6680	-	3990	12510	12300	9420	6320	-	3770	11760	11560	8860	5950	-	3550
		W	820	770	610	410	-	240	770	730	580	390	-	230	730	690	550	370	-	220
40	4.4	Q(Btu/h)	13220	12990	9950	6680	-	3990	12510	12300	9420	6320	-	3770	11760	11560	8860	5950	-	3550
		W	820	770	610	410	-	240	770	730	580	390	-	230	730	690	550	370	-	220
35	1.7	Q(Btu/h)	13220	12990	9950	6680	-	3990	12510	12300	9420	6320	-	3770	11760	11560	8860	5950	-	3550
		W	820	770	610	410	-	240	770	730	580	390	-	230	730	690	550	370	-	220

* It may not reach the above capacities in low ambient temperatures.

MSZ-WR12NA
MUZ-WR12NA
2) HEATING

Rated
Q(Btu/h): 12200
W: 1090

Indoor D.B.			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
65	18.3	Q(Btu/h)	17390	15240	13090	8780	-	4970	18100	15860	13620	9140	-	5170	18810	16480	14150	9500	-	5370
		W	1720	1240	1290	860	-	480	1630	1180	1220	820	-	460	1540	1120	1150	780	-	440
60	15.6	Q(Btu/h)	16530	14420	12440	8350	-	4730	17250	15040	12980	8710	-	4930	17970	15660	13520	9070	-	5130
		W	1650	1230	1250	840	-	470	1570	1170	1190	800	-	450	1490	1110	1130	760	-	430
55	12.8	Q(Btu/h)	15670	13580	11790	7910	-	4470	16400	14210	12340	8280	-	4680	17130	14840	12890	8650	-	4890
		W	1580	1220	1190	800	-	450	1500	1160	1130	760	-	430	1420	1100	1070	720	-	410
50	10.0	Q(Btu/h)	14800	12740	11140	7470	-	4230	15550	13390	11700	7850	-	4440	16300	14040	12260	8230	-	4650
		W	1510	1200	1130	760	-	420	1430	1140	1070	720	-	400	1350	1080	1010	680	-	380
45	7.2	Q(Btu/h)	13940	11920	10490	7040	-	3980	14700	12570	11060	7420	-	4200	15460	13220	11630	7800	-	4420
		W	1430	1170	1090	730	-	410	1360	1110	1030	690	-	390	1290	1050	970	650	-	370
43	6.1	Q(Btu/h)	13730	11550	10330	6930	-	3920	14500	12200	10910	7320	-	4140	15270	12850	11490	7710	-	4360
		W	1410	1150	1060	720	-	400	1340	1090	1010	680	-	380	1270	1030	960	640	-	360
40	4.4	Q(Btu/h)	12990	11050	9780	6560	-	3700	13750	11690	10350	6940	-	3920	14510	12330	10920	7320	-	4140
		W	1350	1140	1020	680	-	390	1280	1080	970	650	-	370	1210	1020	920	620	-	350
35	1.7	Q(Btu/h)	12240	10170	9210	6180	-	3500	13000	10800	9780	6560	-	3720	13760	11430	10350	6940	-	3940
		W	1290	1100	960	640	-	370	1220	1040	910	610	-	350	1150	980	860	580	-	330
30	-1.1	Q(Btu/h)	11390	9360	8570	5750	-	3250	12150	9980	9140	6130	-	3470	12910	10600	9710	6510	-	3690
		W	1220	1040	920	610	-	340	1160	990	870	580	-	320	1100	940	820	550	-	300
25	-3.9	Q(Btu/h)	10540	8540	7930	5320	-	3010	11300	9150	8500	5700	-	3230	12060	9760	9070	6080	-	3450
		W	1150	980	870	590	-	330	1090	930	830	560	-	310	1030	880	790	530	-	290
20	-6.7	Q(Btu/h)	9640	7720	7250	4870	-	2760	10400	8330	7820	5250	-	2980	11160	8940	8390	5630	-	3200
		W	1070	910	800	540	-	310	1020	860	760	510	-	290	970	810	720	480	-	270
15	-9.4	Q(Btu/h)	8730	6890	6570	4410	-	2490	9500	7500	7150	4800	-	2710	10270	8110	7730	5190	-	2930
		W	1000	820	750	510	-	290	950	780	710	480	-	280	900	740	670	450	-	270
10	-12.2	Q(Btu/h)	7850	6030	5900	3960	-	2240	8650	6650	6510	4370	-	2470	9450	7270	7120	4780	-	2700
		W	940	740	720	470	-	260	890	700	680	450	-	250	840	660	640	430	-	240
5	-15.0	Q(Btu/h)	6950	5170	5230	3510	-	1990	7800	5800	5870	3940	-	2230	8650	6430	6510	4370	-	2470
		W	860	650	640	430	-	240	820	620	610	410	-	230	780	590	580	390	-	220

* Above data is for heating operation without any frost.

MSZ-WR18NA
MUZ-WR18NA
1) COOLING

Rated
Q(Btu/h): 17200
W: 1720

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
115	46.1	Q(Btu/h)	16250	15820	12290	8130	-	4510	15390	14710	11630	7690	-	4270	14460	13420	10930	7230	-	4010
		W	2560	1980	1930	1260	-	690	2410	1910	1820	1210	-	680	2300	1820	1730	1130	-	630
110	43.3	Q(Btu/h)	16970	16510	12830	8490	-	4710	16070	15360	12140	8030	-	4460	15100	14070	11410	7550	-	4190
		W	2500	1940	1880	1230	-	670	2360	1870	1780	1180	-	660	2260	1790	1690	1100	-	610
105	40.6	Q(Btu/h)	17680	17200	13360	8860	-	4930	16740	16000	12650	8380	-	4660	15730	14710	11890	7880	-	4380
		W	2440	1900	1840	1200	-	650	2300	1820	1740	1150	-	640	2200	1750	1650	1080	-	590
100	37.8	Q(Btu/h)	18340	17850	13860	9180	-	5090	17370	16600	13120	8680	-	4820	16320	15440	12330	8160	-	4530
		W	2380	1860	1800	1180	-	640	2240	1770	1700	1130	-	630	2140	1700	1610	1060	-	580
95	35.0	Q(Btu/h)	19010	18490	14370	9520	-	5280	18000	17200	13600	9000	-	5000	16910	16170	12780	8470	-	4700
		W	2300	1810	1740	1130	-	610	2170	1720	1640	1080	-	600	2070	1640	1560	1010	-	550
90	32.2	Q(Btu/h)	19770	19090	14950	9910	-	5510	18720	17890	14150	9370	-	5210	17590	16770	13300	8810	-	4900
		W	2220	1750	1670	1090	-	580	2090	1660	1580	1040	-	570	2000	1580	1500	970	-	530
85	29.4	Q(Btu/h)	20530	19690	15520	10290	-	5720	19440	18580	14690	9730	-	5410	18270	17370	13810	9150	-	5080
		W	2130	1680	1610	1050	-	570	2010	1590	1520	1010	-	560	1920	1520	1440	940	-	520
80	26.7	Q(Btu/h)	21290	20380	16090	10660	-	5920	20160	19270	15230	10080	-	5600	18940	18060	14310	9480	-	5260
		W	2040	1610	1530	1010	-	560	1920	1520	1450	970	-	550	1840	1450	1380	910	-	510
75	23.9	Q(Btu/h)	22050	21070	16660	11030	-	6130	20880	19950	15770	10430	-	5800	19620	18750	14820	9810	-	5450
		W	1930	1530	1460	960	-	530	1820	1440	1380	920	-	520	1740	1380	1310	860	-	480
70	21.1	Q(Btu/h)	22810	21800	17240	11420	-	6340	21600	20640	16320	10800	-	6000	20300	19400	15340	10160	-	5640
		W	1830	1460	1390	920	-	500	1730	1370	1310	880	-	490	1650	1310	1240	820	-	450
65	18.3	Q(Btu/h)	19480	18620	14730	9760	-	5420	18450	17630	13940	9230	-	5130	17340	16570	13100	8680	-	4820
		W	1970	1570	1490	970	-	530	1860	1470	1400	930	-	520	1770	1410	1330	870	-	480
60	15.6	Q(Btu/h)	19480	18620	14730	9760	-	5420	18450	17630	13940	9230	-	5130	17340	16570	13100	8680	-	4820
		W	1970	1570	1490	970	-	530	1860	1470	1400	930	-	520	1770	1410	1330	870	-	480
55	12.8	Q(Btu/h)	19480	18620	14730	9760	-	5420	18450	17630	13940	9230	-	5130	17340	16570	13100	8680	-	4820
		W	1970	1570	1490	970	-	530	1860	1470	1400	930	-	520	1770	1410	1330	870	-	480
50	10.0	Q(Btu/h)	19480	18620	14730	9760	-	5420	18450	17630	13940	9230	-	5130	17340	16570	13100	8680	-	4820
		W	1970	1570	1490	970	-	530	1860	1470	1400	930	-	520	1770	1410	1330	870	-	480
45	7.2	Q(Btu/h)	19480	18620	14730	9760	-	5420	18450	17630	13940	9230	-	5130	17340	16570	13100	8680	-	4820
		W	1970	1570	1490	970	-	530	1860	1470	1400	930	-	520	1770	1410	1330	870	-	480
40	4.4	Q(Btu/h)	19480	18620	14730	9760	-	5420	18450	17630	13940	9230	-	5130	17340	16570	13100	8680	-	4820
		W	1970	1570	1490	970	-	530	1860	1470	1400	930	-	520	1770	1410	1330	870	-	480
35	1.7	Q(Btu/h)	19480	18620	14730	9760	-	5420	18450	17630	13940	9230	-	5130	17340	16570	13100	8680	-	4820
		W	1970	1570	1490	970	-	530	1860	1470	1400	930	-	520	1770	1410	1330	870	-	480

* It may not reach the above capacities in low ambient temperatures.

MSZ-WR18NA
MUZ-WR18NA
2) HEATING

Rated
Q(Btu/h): 18000
W: 1670

Indoor D.B.			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
65	18.3	Q(Btu/h)	24310	21140	18350	12150	6200	5960	25300	22000	19100	12650	6450	6200	26290	22860	19850	13150	6700	6440
		W	2490	1900	1880	1240	630	610	2360	1800	1780	1180	600	580	2230	1700	1680	1120	570	550
60	15.6	Q(Btu/h)	23240	20600	17540	11620	5920	5690	24250	21490	18300	12120	6180	5940	25260	22380	19060	12620	6440	6190
		W	2490	1890	1880	1240	630	610	2360	1790	1780	1180	600	580	2230	1690	1680	1120	570	550
55	12.8	Q(Btu/h)	22160	20030	16740	11080	5660	5440	23200	20970	17520	11600	5920	5690	24240	21910	18300	12120	6180	5940
		W	2490	1860	1880	1240	630	610	2360	1770	1780	1180	600	580	2230	1680	1680	1120	570	550
50	10.0	Q(Btu/h)	21080	18810	15910	10550	5380	5170	22150	19760	16720	11080	5650	5430	23220	20710	17530	11610	5920	5690
		W	2490	1830	1880	1240	630	610	2360	1740	1780	1180	600	580	2230	1650	1680	1120	570	550
45	7.2	Q(Btu/h)	20010	17580	15110	10000	5100	4900	21100	18540	15930	10550	5380	5170	22190	19500	16750	11100	5660	5440
		W	2490	1790	1880	1240	630	610	2360	1700	1780	1180	600	580	2230	1610	1680	1120	570	550
43	6.1	Q(Btu/h)	19790	17040	14940	9900	5050	4860	20900	18000	15780	10450	5330	5130	22010	18960	16620	11000	5610	5400
		W	2490	1760	1880	1240	630	610	2360	1670	1780	1180	600	580	2230	1580	1680	1120	570	550
40	4.4	Q(Btu/h)	18800	16290	14190	9400	4790	4610	19900	17240	15020	9950	5070	4880	21000	18190	15850	10500	5350	5150
		W	2410	1740	1830	1210	610	590	2290	1650	1740	1150	580	560	2170	1560	1650	1090	550	530
35	1.7	Q(Btu/h)	17790	15000	13430	8900	4540	4360	18900	15930	14270	9450	4820	4630	20010	16860	15110	10000	5100	4900
		W	2330	1680	1750	1160	590	570	2210	1590	1660	1100	560	540	2090	1500	1570	1040	530	510
30	-1.1	Q(Btu/h)	16690	13800	12600	8340	4250	4090	17800	14720	13440	8900	4530	4360	18910	15640	14280	9460	4810	4630
		W	2210	1590	1660	1110	560	540	2100	1510	1580	1050	530	510	1990	1430	1500	990	500	480
25	-3.9	Q(Btu/h)	15580	12600	11760	7780	3970	3820	16700	13500	12600	8340	4250	4090	17820	14400	13440	8900	4530	4360
		W	2090	1510	1580	1040	540	520	1980	1430	1500	990	510	490	1870	1350	1420	940	480	460
20	-6.7	Q(Btu/h)	14790	11390	11170	7400	3770	3630	15950	12290	12050	7980	4070	3910	17110	13190	12930	8560	4370	4190
		W	1970	1390	1500	990	510	480	1870	1320	1420	940	480	460	1770	1250	1340	890	450	440
15	-9.4	Q(Btu/h)	13970	10170	10540	6980	3560	3420	15200	11070	11470	7600	3870	3720	16430	11970	12400	8220	4180	4020
		W	1850	1260	1400	930	470	450	1760	1200	1330	880	450	430	1670	1140	1260	830	430	410
10	-12.2	Q(Btu/h)	12830	8900	9690	6410	3270	3140	14150	9810	10680	7070	3600	3460	15470	10720	11670	7730	3930	3780
		W	1740	1130	1320	870	440	420	1650	1070	1250	830	420	400	1560	1010	1180	790	400	380
5	-15.0	Q(Btu/h)	11670	7610	8820	5830	2970	2860	13100	8550	9900	6550	3340	3210	14530	9490	10980	7270	3710	3560
		W	1620	990	1220	810	410	400	1540	940	1160	770	390	380	1460	890	1100	730	370	360

* Above data is for heating operation without any frost.

MSZ-WR24NA
MUZ-WR24NA
1) COOLING

Rated
Q(Btu/h): 22500
W: 2810

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
115	46.1	Q(Btu/h)	20320	20700	15340	10160	5180	4140	19240	19240	14530	9630	4910	3930	18080	17550	13650	9040	4620	3690
		W	3310	3230	2500	1640	830	670	3120	3120	2350	1550	780	630	2970	2980	2240	1470	750	600
110	43.3	Q(Btu/h)	21210	21600	16020	10600	5420	4320	20090	20090	15170	10050	5130	4100	18880	18400	14250	9430	4820	3850
		W	3230	3170	2440	1620	830	670	3050	3050	2300	1530	780	630	2910	2930	2200	1450	750	600
105	40.6	Q(Btu/h)	22100	22500	16680	11040	5640	4500	20930	20930	15800	10460	5340	4270	19670	19240	14850	9820	5020	4010
		W	3160	3110	2390	1580	810	650	2980	2980	2250	1490	760	610	2840	2870	2150	1410	730	580
100	37.8	Q(Btu/h)	22930	23350	17320	11450	5840	4670	21720	21720	16400	10850	5530	4430	20410	20200	15410	10190	5200	4160
		W	3070	3030	2330	1540	790	630	2900	2900	2190	1450	740	590	2760	2780	2090	1380	720	570
95	35.0	Q(Btu/h)	23760	24190	17940	11870	6060	4840	22500	22500	16990	11250	5740	4590	21150	21150	15960	10560	5400	4310
		W	2980	2950	2250	1480	770	610	2810	2810	2120	1400	720	570	2680	2680	2020	1330	700	550
90	32.2	Q(Btu/h)	24710	24980	18660	12330	6300	5030	23400	23400	17670	11690	5970	4770	21990	21940	16600	10970	5610	4470
		W	2870	2850	2170	1430	740	580	2710	2710	2040	1350	690	550	2580	2590	1950	1280	670	530
85	29.4	Q(Btu/h)	25660	25760	19370	12820	6540	5230	24300	24300	18350	12150	6200	4960	22840	22730	17240	11410	5830	4650
		W	2750	2740	2080	1380	700	560	2600	2600	1960	1300	660	530	2480	2490	1870	1230	640	510
80	26.7	Q(Btu/h)	26610	26660	20090	13310	6800	5430	25200	25200	19030	12610	6440	5150	23680	23630	17880	11840	6050	4830
		W	2630	2620	2000	1320	680	540	2480	2480	1880	1250	640	510	2360	2370	1800	1190	620	490
75	23.9	Q(Btu/h)	27560	27560	20810	13780	7030	5620	26100	26100	19710	13060	6660	5330	24530	24530	18520	12260	6260	5000
		W	2500	2500	1890	1250	640	510	2360	2360	1780	1180	600	480	2250	2250	1700	1120	580	460
70	21.1	Q(Btu/h)	28510	28510	21520	14240	7270	5810	27000	27000	20380	13500	6890	5510	25380	25380	19150	12670	6480	5170
		W	2370	2370	1790	1180	600	480	2240	2240	1690	1110	560	450	2140	2140	1610	1050	540	430
65	18.3	Q(Btu/h)	24350	24350	18390	12170	6210	4970	23060	23060	17420	11540	5890	4710	21680	21680	16370	10830	5540	4420
		W	2510	2510	1900	1270	650	520	2370	2370	1790	1190	610	490	2260	2260	1710	1130	590	470
60	15.6	Q(Btu/h)	24350	24350	18390	12170	6210	4970	23060	23060	17420	11540	5890	4710	21680	21680	16370	10830	5540	4420
		W	2510	2510	1900	1270	650	520	2370	2370	1790	1190	610	490	2260	2260	1710	1130	590	470
55	12.8	Q(Btu/h)	24350	24350	18390	12170	6210	4970	23060	23060	17420	11540	5890	4710	21680	21680	16370	10830	5540	4420
		W	2510	2510	1900	1270	650	520	2370	2370	1790	1190	610	490	2260	2260	1710	1130	590	470
50	10.0	Q(Btu/h)	24350	24350	18390	12170	6210	4970	23060	23060	17420	11540	5890	4710	21680	21680	16370	10830	5540	4420
		W	2510	2510	1900	1270	650	520	2370	2370	1790	1190	610	490	2260	2260	1710	1130	590	470
45	7.2	Q(Btu/h)	24350	24350	18390	12170	6210	4970	23060	23060	17420	11540	5890	4710	21680	21680	16370	10830	5540	4420
		W	2510	2510	1900	1270	650	520	2370	2370	1790	1190	610	490	2260	2260	1710	1130	590	470
40	4.4	Q(Btu/h)	24350	24350	18390	12170	6210	4970	23060	23060	17420	11540	5890	4710	21680	21680	16370	10830	5540	4420
		W	2510	2510	1900	1270	650	520	2370	2370	1790	1190	610	490	2260	2260	1710	1130	590	470
35	1.7	Q(Btu/h)	24350	24350	18390	12170	6210	4970	23060	23060	17420	11540	5890	4710	21680	21680	16370	10830	5540	4420
		W	2510	2510	1900	1270	650	520	2370	2370	1790	1190	610	490	2260	2260	1710	1130	590	470

* It may not reach the above capacities in low ambient temperatures.

MSZ-WR24NA
MUZ-WR24NA
2) HEATING

Rated
Q(Btu/h): 26000
W: 2680

Indoor D.B.			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
65	18.3	Q(Btu/h)	30750	30750	23130	15510	7620	5260	32000	32000	24070	16140	7930	5470	33250	33250	25010	16770	8240	5680
		W	2820	2820	2130	1430	710	480	2680	2680	2020	1360	670	460	2540	2540	1910	1290	630	440
60	15.6	Q(Btu/h)	29860	29860	22460	15060	7400	5100	31150	31150	23430	15710	7720	5320	32440	32440	24400	16360	8040	5540
		W	2820	2820	2130	1430	710	480	2680	2680	2020	1360	670	460	2540	2540	1910	1290	630	440
55	12.8	Q(Btu/h)	28950	28940	21770	14600	7170	4950	30300	30290	22790	15280	7510	5180	31650	31640	23810	15960	7850	5410
		W	2820	2820	2130	1430	710	480	2680	2680	2020	1360	670	460	2540	2540	1910	1290	630	440
50	10.0	Q(Btu/h)	27170	27170	20450	13710	6740	4640	28550	28540	21480	14400	7080	4880	29930	29910	22510	15090	7420	5120
		W	2820	2820	2130	1430	710	480	2680	2680	2020	1360	670	460	2540	2540	1910	1290	630	440
45	7.2	Q(Btu/h)	25410	25400	19120	12820	6310	4350	26800	26780	20160	13520	6650	4590	28190	28160	21200	14220	6990	4830
		W	2820	2820	2130	1430	710	480	2680	2680	2020	1360	670	460	2540	2540	1910	1290	630	440
43	6.1	Q(Btu/h)	24620	24620	18520	12410	6100	4200	26000	26000	19560	13110	6440	4440	27380	27380	20600	13810	6780	4680
		W	2820	2820	2130	1430	710	480	2680	2680	2020	1360	670	460	2540	2540	1910	1290	630	440
40	4.4	Q(Btu/h)	23380	23750	17580	11780	5790	4000	24750	25140	18610	12470	6130	4230	26120	26530	19640	13160	6470	4460
		W	2760	2760	2080	1390	680	470	2620	2620	1970	1320	650	450	2480	2480	1860	1250	620	430
35	1.7	Q(Btu/h)	22120	22120	16630	11160	5480	3770	23500	23500	17670	11850	5820	4010	24880	24880	18710	12540	6160	4250
		W	2690	2690	2020	1360	670	460	2550	2550	1920	1290	640	440	2410	2410	1820	1220	610	420
30	-1.1	Q(Btu/h)	20670	20670	15560	10440	5130	3530	22050	22050	16590	11130	5470	3770	23430	23430	17620	11820	5810	4010
		W	2620	2620	1970	1330	650	450	2490	2490	1870	1260	620	430	2360	2360	1770	1190	590	410
25	-3.9	Q(Btu/h)	19220	19220	14450	9690	4760	3280	20600	20600	15490	10380	5100	3520	21980	21980	16530	11070	5440	3760
		W	2560	2560	1930	1300	630	430	2430	2430	1830	1230	600	410	2300	2300	1730	1160	570	390
20	-6.7	Q(Btu/h)	18030	18030	13560	9100	4470	3080	19450	19450	14630	9810	4820	3320	20870	20870	15700	10520	5170	3560
		W	2440	2440	1830	1220	600	410	2320	2320	1740	1160	570	390	2200	2200	1650	1100	540	370
15	-9.4	Q(Btu/h)	16810	16810	12640	8480	4170	2880	18300	18300	13760	9230	4540	3130	19790	19790	14880	9980	4910	3380
		W	2320	2320	1740	1160	570	390	2200	2200	1650	1100	540	370	2080	2080	1560	1040	510	350
10	-12.2	Q(Btu/h)	15330	15330	11530	7730	3800	2620	16900	16900	12710	8520	4190	2890	18470	18470	13890	9310	4580	3160
		W	2210	2210	1650	1110	550	380	2100	2100	1570	1050	520	360	1990	1990	1490	990	490	340
5	-15.0	Q(Btu/h)	13800	13800	10380	6960	3420	2360	15500	15500	11660	7820	3840	2650	17200	17200	12940	8680	4260	2940
		W	2110	2110	1580	1050	520	360	2000	2000	1500	1000	490	340	1890	1890	1420	950	460	320

* Above data is for heating operation without any frost.

MSZ-JP09WA
MUZ-JP09WA
1) COOLING

Rated
Q(Btu/h): 9000
W: 750

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
115	46.1	Q(Btu/h)	9030	8280	6790	4560	-	3450	8550	7700	6440	4330	-	3270	8030	7020	6050	4060	-	3060
		W	1010	860	760	530	-	430	940	830	710	480	-	370	900	800	680	480	-	380
110	43.3	Q(Btu/h)	9430	8640	7100	4760	-	3600	8930	8040	6730	4520	-	3420	8390	7360	6320	4240	-	3200
		W	980	850	740	510	-	390	920	820	690	460	-	340	880	790	660	460	-	350
105	40.6	Q(Btu/h)	9820	9000	7390	4970	-	3770	9300	8370	7010	4720	-	3580	8740	7700	6580	4420	-	3350
		W	960	830	730	500	-	390	900	800	680	450	-	340	860	770	650	450	-	350
100	37.8	Q(Btu/h)	10190	9340	7670	5150	-	3900	9650	8690	7270	4890	-	3700	9070	8080	6830	4580	-	3470
		W	940	810	720	500	-	390	880	780	670	450	-	340	840	750	640	450	-	350
95	35.0	Q(Btu/h)	10560	9680	7940	5330	-	4040	10000	9000	7530	5060	-	3830	9400	8460	7070	4740	-	3590
		W	910	790	690	490	-	380	850	750	640	440	-	330	810	720	620	440	-	340
90	32.2	Q(Btu/h)	10980	10000	8260	5540	-	4190	10400	9360	7830	5260	-	3980	9770	8780	7360	4930	-	3730
		W	880	760	670	460	-	360	820	720	620	410	-	310	790	690	600	410	-	320
85	29.4	Q(Btu/h)	11410	10310	8580	5760	-	4360	10800	9720	8130	5470	-	4140	10150	9090	7640	5130	-	3880
		W	850	730	630	450	-	360	790	690	590	400	-	310	760	660	570	400	-	320
80	26.7	Q(Btu/h)	11830	10670	8900	5980	-	4530	11200	10080	8440	5680	-	4300	10520	9450	7930	5320	-	4030
		W	800	700	610	430	-	360	750	660	570	390	-	310	720	630	550	390	-	320
75	23.9	Q(Btu/h)	12250	11030	9220	6200	-	4690	11600	10440	8740	5890	-	4450	10900	9810	8210	5520	-	4170
		W	760	670	570	390	-	290	710	630	530	350	-	250	680	600	510	350	-	260
70	21.1	Q(Btu/h)	12670	11410	9540	6400	-	4860	12000	10800	9040	6080	-	4610	11280	10150	8490	5700	-	4320
		W	730	640	550	380	-	290	680	600	510	340	-	250	650	570	490	340	-	260
65	18.3	Q(Btu/h)	10820	9750	8160	5480	-	4160	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3700
		W	830	730	630	450	-	360	770	680	580	400	-	310	740	650	560	400	-	320
60	15.6	Q(Btu/h)	10820	9750	8160	5480	-	4160	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3700
		W	830	730	630	450	-	360	770	680	580	400	-	310	740	650	560	400	-	320
55	12.8	Q(Btu/h)	10820	9750	8160	5480	-	4160	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3700
		W	830	730	630	450	-	360	770	680	580	400	-	310	740	650	560	400	-	320
50	10.0	Q(Btu/h)	10820	9750	8160	5480	-	4160	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3700
		W	830	730	630	450	-	360	770	680	580	400	-	310	740	650	560	400	-	320
45	7.2	Q(Btu/h)	10820	9750	8160	5480	-	4160	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3700
		W	830	730	630	450	-	360	770	680	580	400	-	310	740	650	560	400	-	320
40	4.4	Q(Btu/h)	10820	9750	8160	5480	-	4160	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3700
		W	830	730	630	450	-	360	770	680	580	400	-	310	740	650	560	400	-	320
35	1.7	Q(Btu/h)	10820	9750	8160	5480	-	4160	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3700
		W	830	730	630	450	-	360	770	680	580	400	-	310	740	650	560	400	-	320
30	-1.1	Q(Btu/h)	10820	9750	8160	5480	-	4160	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3700
		W	830	730	630	450	-	360	770	680	580	400	-	310	740	650	560	400	-	320
25	-3.9	Q(Btu/h)	10820	9750	8160	5480	-	4160	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3700
		W	830	730	630	450	-	360	770	680	580	400	-	310	740	650	560	400	-	320
20	-6.7	Q(Btu/h)	10820	9750	8160	5480	-	4160	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3700
		W	830	730	630	450	-	360	770	680	580	400	-	310	740	650	560	400	-	320
15	-9.4	Q(Btu/h)	10820	9750	8160	5480	-	4160	10250	9230	7730	5210	-	3950	9640	8670	7260	4880	-	3700
		W	830	730	630	450	-	360	770	680	580	400	-	310	740	650	560	400	-	320

* It may not reach the above capacities in low ambient temperatures.

MSZ-JP09WA
MUZ-JP09WA
2) HEATING

Rated
Q(Btu/h): 10900
W: 900

Indoor D.B.			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
65	18.3	Q(Btu/h)	14610	13620	11030	7300	-	4860	15200	14170	11480	7600	-	5060	15790	14720	11930	7900	-	5260
		W	1320	1020	990	660	-	440	1250	970	940	630	-	420	1180	920	890	600	-	400
60	15.6	Q(Btu/h)	13900	12880	10510	6950	-	4640	14500	13440	10960	7250	-	4840	15100	14000	11410	7550	-	5040
		W	1250	1010	950	620	-	410	1190	960	900	590	-	390	1130	910	850	560	-	370
55	12.8	Q(Btu/h)	13180	12130	9960	6590	-	4390	13800	12700	10430	6900	-	4600	14420	13270	10900	7210	-	4810
		W	1190	1000	910	600	-	400	1130	950	860	570	-	380	1070	900	810	540	-	360
50	10.0	Q(Btu/h)	12420	11390	9390	6220	-	4150	13050	11970	9860	6530	-	4360	13680	12550	10330	6840	-	4570
		W	1140	990	850	560	-	370	1080	940	810	530	-	350	1020	890	770	500	-	330
45	7.2	Q(Btu/h)	11660	10650	8810	5830	-	3890	12300	11230	9290	6150	-	4100	12940	11810	9770	6470	-	4310
		W	1070	970	810	540	-	360	1020	920	770	510	-	340	970	870	730	480	-	320
43	6.1	Q(Btu/h)	11170	10320	8450	5590	-	3730	11800	10900	8920	5900	-	3940	12430	11480	9390	6210	-	4150
		W	1050	950	800	530	-	360	1000	900	760	500	-	340	950	850	720	470	-	320
40	4.4	Q(Btu/h)	10680	9860	8070	5340	-	3560	11300	10440	8540	5650	-	3770	11920	11020	9010	5960	-	3980
		W	1010	940	760	510	-	330	960	890	720	480	-	310	910	840	680	450	-	290
35	1.7	Q(Btu/h)	10170	9080	7680	5080	-	3390	10800	9650	8160	5400	-	3600	11430	10220	8640	5720	-	3810
		W	960	910	730	480	-	330	910	860	690	460	-	310	860	810	650	440	-	290
30	-1.1	Q(Btu/h)	9420	8360	7120	4720	-	3140	10050	8920	7590	5030	-	3350	10680	9480	8060	5340	-	3560
		W	900	860	670	450	-	310	850	820	640	430	-	290	800	780	610	410	-	270
25	-3.9	Q(Btu/h)	8680	7630	6560	4340	-	2890	9300	8200	7030	4650	-	3100	9920	8730	7500	4960	-	3310
		W	830	810	630	420	-	270	790	770	600	400	-	260	750	730	570	380	-	250
20	-6.7	Q(Btu/h)	7930	6900	5990	3970	-	2650	8550	7440	6460	4280	-	2860	9170	7980	6930	4590	-	3070
		W	780	750	600	400	-	260	740	710	570	380	-	250	700	670	540	360	-	240
15	-9.4	Q(Btu/h)	7170	6160	5410	3580	-	2390	7800	6700	5890	3900	-	2600	8430	7240	6370	4220	-	2810
		W	720	680	540	360	-	230	680	650	510	340	-	220	640	620	480	320	-	210
10	-12.2	Q(Btu/h)	6260	5390	4730	3130	-	2090	6900	5940	5210	3450	-	2300	7540	6490	5690	3770	-	2510
		W	660	610	510	340	-	230	630	580	480	320	-	220	600	550	450	300	-	210
5	-15.0	Q(Btu/h)	5340	4610	4030	2670	-	1780	6000	5180	4530	3000	-	2000	6660	5750	5030	3330	-	2220
		W	600	540	450	290	-	190	570	510	430	280	-	180	540	480	410	270	-	170
0	-17.8	Q(Btu/h)	4600	3620	3470	2300	-	1530	5300	4170	4000	2650	-	1760	6000	4720	4530	3000	-	1990
		W	540	460	410	270	-	180	510	440	390	260	-	170	480	420	370	250	-	160
-4	-20.0	Q(Btu/h)	3880	2660	2940	1940	-	1300	4600	3150	3480	2300	-	1540	5320	3640	4020	2660	-	1780
		W	470	380	360	240	-	170	450	360	340	230	-	160	430	340	320	220	-	150

* Above data is for heating operation without any frost.

MSZ-JP12WA
MUZ-JP12WA
1) COOLING

Rated
Q(Btu/h): 12000
W: 1210

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
115	46.1	Q(Btu/h)	11020	11040	8290	5570	-	3320	10430	10260	7850	5270	-	3140	9800	9360	7380	4960	-	2960
		W	1530	1390	1150	770	-	460	1440	1340	1080	730	-	430	1370	1280	1030	690	-	400
110	43.3	Q(Btu/h)	11510	11520	8660	5830	-	3470	10890	10710	8200	5510	-	3280	10240	9810	7710	5190	-	3090
		W	1500	1370	1120	750	-	450	1410	1310	1060	710	-	420	1350	1260	1010	670	-	390
105	40.6	Q(Btu/h)	11990	12000	9020	6060	-	3610	11350	11160	8540	5730	-	3410	10670	10260	8030	5390	-	3210
		W	1470	1340	1100	750	-	450	1380	1280	1040	710	-	420	1320	1230	990	670	-	390
100	37.8	Q(Btu/h)	12450	12450	9370	6290	-	3750	11780	11580	8870	5950	-	3540	11070	10770	8340	5600	-	3330
		W	1430	1310	1070	720	-	430	1340	1250	1010	680	-	410	1280	1200	960	640	-	390
95	35.0	Q(Btu/h)	12890	12900	9700	6520	-	3900	12200	12000	9180	6170	-	3680	11470	11280	8630	5810	-	3460
		W	1380	1270	1040	690	-	410	1300	1210	980	650	-	390	1240	1160	930	610	-	370
90	32.2	Q(Btu/h)	13410	13320	10090	6780	-	4040	12690	12480	9550	6410	-	3820	11930	11700	8980	6030	-	3600
		W	1330	1230	1000	670	-	400	1250	1170	940	640	-	380	1190	1120	890	610	-	360
85	29.4	Q(Btu/h)	13930	13740	10480	7040	-	4200	13180	12960	9920	6660	-	3970	12390	12120	9320	6270	-	3740
		W	1280	1180	950	630	-	380	1200	1120	900	600	-	360	1140	1070	860	570	-	340
80	26.7	Q(Btu/h)	14440	14220	10870	7320	-	4360	13670	13440	10290	6920	-	4120	12850	12600	9670	6510	-	3880
		W	1220	1130	920	620	-	370	1150	1070	870	590	-	350	1100	1020	830	560	-	330
75	23.9	Q(Btu/h)	14950	14700	11250	7560	-	4510	14150	13920	10650	7150	-	4260	13300	13080	10010	6730	-	4010
		W	1160	1080	870	580	-	350	1090	1020	820	550	-	330	1040	970	780	520	-	310
70	21.1	Q(Btu/h)	15470	15210	11640	7810	-	4660	14640	14400	11020	7390	-	4400	13760	13530	10360	6960	-	4140
		W	1110	1020	830	560	-	340	1040	960	780	530	-	320	990	910	740	500	-	300
65	18.3	Q(Btu/h)	13220	12990	9950	6680	-	3990	12510	12300	9420	6320	-	3770	11760	11560	8860	5950	-	3550
		W	820	770	620	410	-	240	770	720	580	390	-	230	730	680	550	370	-	220
60	15.6	Q(Btu/h)	13220	12990	9950	6680	-	3990	12510	12300	9420	6320	-	3770	11760	11560	8860	5950	-	3550
		W	820	770	620	410	-	240	770	720	580	390	-	230	730	680	550	370	-	220
55	12.8	Q(Btu/h)	13220	12990	9950	6680	-	3990	12510	12300	9420	6320	-	3770	11760	11560	8860	5950	-	3550
		W	820	770	620	410	-	240	770	720	580	390	-	230	730	680	550	370	-	220
50	10.0	Q(Btu/h)	13220	12990	9950	6680	-	3990	12510	12300	9420	6320	-	3770	11760	11560	8860	5950	-	3550
		W	820	770	620	410	-	240	770	720	580	390	-	230	730	680	550	370	-	220
45	7.2	Q(Btu/h)	13220	12990	9950	6680	-	3990	12510	12300	9420	6320	-	3770	11760	11560	8860	5950	-	3550
		W	820	770	620	410	-	240	770	720	580	390	-	230	730	680	550	370	-	220
40	4.4	Q(Btu/h)	13220	12990	9950	6680	-	3990	12510	12300	9420	6320	-	3770	11760	11560	8860	5950	-	3550
		W	820	770	620	410	-	240	770	720	580	390	-	230	730	680	550	370	-	220
35	1.7	Q(Btu/h)	13220	12990	9950	6680	-	3990	12510	12300	9420	6320	-	3770	11760	11560	8860	5950	-	3550
		W	820	770	620	410	-	240	770	720	580	390	-	230	730	680	550	370	-	220
30	-1.1	Q(Btu/h)	13220	12990	9950	6680	-	3990	12510	12300	9420	6320	-	3770	11760	11560	8860	5950	-	3550
		W	820	770	620	410	-	240	770	720	580	390	-	230	730	680	550	370	-	220
25	-3.9	Q(Btu/h)	13220	12990	9950	6680	-	3990	12510	12300	9420	6320	-	3770	11760	11560	8860	5950	-	3550
		W	820	770	620	410	-	240	770	720	580	390	-	230	730	680	550	370	-	220
20	-6.7	Q(Btu/h)	13220	12990	9950	6680	-	3990	12510	12300	9420	6320	-	3770	11760	11560	8860	5950	-	3550
		W	820	770	620	410	-	240	770	720	580	390	-	230	730	680	550	370	-	220
15	-9.4	Q(Btu/h)	13220	12990	9950	6680	-	3990	12510	12300	9420	6320	-	3770	11760	11560	8860	5950	-	3550
		W	820	770	620	410	-	240	770	720	580	390	-	230	730	680	550	370	-	220

* It may not reach the above capacities in low ambient temperatures.

MSZ-JP12WA
MUZ-JP12WA
2) HEATING

Rated
Q(Btu/h): 12200
W: 990

Indoor D.B.			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
65	18.3	Q(Btu/h)	17390	15240	13090	8780	-	4970	18100	15860	13620	9140	-	5170	18810	16480	14150	9500	-	5370
		W	1510	1130	1130	760	-	420	1430	1070	1070	720	-	400	1350	1010	1010	680	-	380
60	15.6	Q(Btu/h)	16530	14420	12440	8350	-	4730	17250	15040	12980	8710	-	4930	17970	15660	13520	9070	-	5130
		W	1450	1120	1100	740	-	410	1380	1060	1040	700	-	390	1310	1000	980	660	-	370
55	12.8	Q(Btu/h)	15670	13580	11790	7910	-	4470	16400	14210	12340	8280	-	4680	17130	14840	12890	8650	-	4890
		W	1400	1110	1050	710	-	400	1330	1050	1000	670	-	380	1260	990	950	630	-	360
50	10.0	Q(Btu/h)	14800	12740	11140	7470	-	4230	15550	13390	11700	7850	-	4440	16300	14040	12260	8230	-	4650
		W	1350	1090	1020	680	-	390	1280	1030	970	650	-	370	1210	970	920	620	-	350
45	7.2	Q(Btu/h)	13940	11920	10490	7040	-	3980	14700	12570	11060	7420	-	4200	15460	13220	11630	7800	-	4420
		W	1300	1060	970	640	-	370	1230	1010	920	610	-	350	1160	960	870	580	-	330
43	6.1	Q(Btu/h)	13730	11550	10330	6930	-	3920	14500	12200	10910	7320	-	4140	15270	12850	11490	7710	-	4360
		W	1290	1040	960	640	-	370	1220	990	910	610	-	350	1150	940	860	580	-	330
40	4.4	Q(Btu/h)	12990	11050	9780	6560	-	3700	13750	11690	10350	6940	-	3920	14510	12330	10920	7320	-	4140
		W	1230	1030	930	620	-	350	1170	980	880	590	-	330	1110	930	830	560	-	310
35	1.7	Q(Btu/h)	12240	10170	9210	6180	-	3500	13000	10800	9780	6560	-	3720	13760	11430	10350	6940	-	3940
		W	1180	990	880	590	-	330	1120	940	840	560	-	310	1060	890	800	530	-	290
30	-1.1	Q(Btu/h)	11390	9360	8570	5750	-	3250	12150	9980	9140	6130	-	3470	12910	10600	9710	6510	-	3690
		W	1130	950	850	580	-	330	1070	900	810	550	-	310	1010	850	770	520	-	290
25	-3.9	Q(Btu/h)	10540	8540	7930	5320	-	3010	11300	9150	8500	5700	-	3230	12060	9760	9070	6080	-	3450
		W	1070	900	800	540	-	310	1020	850	760	510	-	290	970	800	720	480	-	270
20	-6.7	Q(Btu/h)	9640	7720	7250	4870	-	2760	10400	8330	7820	5250	-	2980	11160	8940	8390	5630	-	3200
		W	1020	820	770	520	-	290	970	780	730	490	-	280	920	740	690	460	-	270
15	-9.4	Q(Btu/h)	8730	6890	6570	4410	-	2490	9500	7500	7150	4800	-	2710	10270	8110	7730	5190	-	2930
		W	970	750	730	480	-	260	920	710	690	460	-	250	870	670	650	440	-	240
10	-12.2	Q(Btu/h)	7710	6030	5810	3890	-	2200	8500	6650	6400	4290	-	2420	9290	7270	6990	4690	-	2640
		W	920	670	700	470	-	260	870	640	660	450	-	250	820	610	620	430	-	240
5	-15.0	Q(Btu/h)	6680	5170	5020	3380	-	1910	7500	5800	5640	3790	-	2150	8320	6430	6260	4200	-	2390
		W	860	590	640	430	-	240	820	560	610	410	-	230	780	530	580	390	-	220
0	-17.8	Q(Btu/h)	5840	4040	4390	2950	-	1680	6730	4650	5060	3400	-	1930	7620	5260	5730	3850	-	2180
		W	800	510	600	400	-	230	760	480	570	380	-	220	720	450	540	360	-	210
-4	-20.0	Q(Btu/h)	5020	2960	3780	2530	-	1440	5950	3500	4480	3000	-	1700	6880	4040	5180	3470	-	1960
		W	740	420	560	370	-	210	700	400	530	350	-	200	660	380	500	330	-	190

* Above data is for heating operation without any frost.

A.2 FLOOR-STANDING

A.2.1 SPECIFICATIONS A-382
A.2.1.1 Inverter Heat Pump A-382
A.2.2 OUTLINES AND DIMENSIONS A-386
A.2.2.1 Indoor Unit A-386
A.2.2.2 Outdoor Unit A-387
A.2.3 WIRING DIAGRAM A-389
A.2.3.1 Indoor Unit A-389
A.2.3.2 Outdoor Unit A-390
A.2.4 REFRIGERANT SYSTEM DIAGRAM A-392
A.2.4.1 Inverter Heat Pump A-392
A.2.4.2 Refrigerant Pipe Length and Pipe Size A-393
A.2.5 PERFORMANCE CURVES A-394
A.2.5.1 Inverter Heat Pump A-394
A.2.6 PERFORMANCE DATA A-402
A.2.6.1 Inverter Heat Pump A-402
A.2.7 NOISE CRITERIA CURVES A-412
A.2.7.1 Indoor Unit A-412
A.2.7.2 Outdoor Unit A-413
A.2.8 TEMPERATURE AND AIR FLOW DISTRIBUTIONS A-414
A.2.9 OPERATION AND ACTUATOR CONTROL A-422
A.2.9.1 MFZ-KJ•NA Series A-422
A.2.10 CAPACITY CORRECTION RATIO CURVE FOR PIPING LENGTH A-432
A.2.11 POSITION OF THE CENTER OF GRAVITY A-433
A.2.11.1 Indoor Unit A-433
A.2.11.2 Outdoor Unit A-433
A.2.12 PART LOAD CAPACITY CHART A-434

A.2.1 SPECIFICATIONS

A.2.1.1 Inverter Heat Pump

1. Single connection

Indoor model			MFZ-KJ09NA	MFZ-KJ12NA	MFZ-KJ15NA	MFZ-KJ18NA
Power supply	V, phase, Hz		208/230, 1, 60			
Max. fuse size (time delay)/ Disconnect switch		A	15		20	
Airflow Super High - High - Med. - Low - Quiet	COOL Dry (Wet)	CFM	417 - 360 - 272 - 198 - 138 (354 - 306 - 231 - 168 - 117)		431 - 392 - 311 - 254 - 198 (366 - 333 - 264 - 216 - 168)	491 - 420 - 328 - 254 - 198 (417 - 357 - 279 - 216 - 168)
	HEAT Dry	CFM	417 - 328 - 254 - 191 - 138		470 - 399 - 328 - 268 - 212	
Sound level Super High - High - Med. - Low - Quiet	Cooling	dB (A)	46 - 41 - 34 - 27 - 21		47 - 43 - 38 - 33 - 28	50 - 45 - 39 - 33 - 28
	Heating	dB (A)	46 - 40 - 34 - 27 - 21		49 - 45 - 40 - 35 - 29	49 - 45 - 40 - 35 - 29
Cond. drain connection O.D.		in.	5/8			
Dimensions	W	in.	29-17/32			
	D		8-15/32			
	H		23-5/8			
Weight		lb.	33			
External finish			White			
Control voltage (by built-in transformer)			12 - 24 VDC			

NOTE: Test conditions are based on ARI 210/240.

2. Multi connection

Indoor model			MFZ-KJ09NA	MFZ-KJ12NA	MFZ-KJ15NA	MFZ-KJ18NA
Power supply	V, phase, Hz		208/230, 1, 60			
Max. fuse size (time delay)/ Disconnect switch		A	15		20	
Airflow Super High - High - Med. - Low - Quiet	COOL Dry (Wet)	CFM	275 - 251 - 208 173 - 138 (234 - 213 - 177 - 147 - 117)		374 - 328 - 282 - 237 - 198 (318 - 279 - 240 - 201 - 168)	
	HEAT Dry	CFM	343 - 219 - 180 - 159 - 138		470 - 325 - 290 - 254 - 212	
Sound level Super High - High - Med. - Low - Quiet	Cooling	dB (A)	38 - 34 - 30 - 25 - 21		43 - 40 - 36 - 31 - 28	
	Heating	dB (A)	41 - 32 - 27 - 24 - 21		49 - 39 - 36 - 34 - 29	
Cond. drain connection O.D.		in.	5/8			
Dimensions	W	in.	29-17/32			
	D		8-15/32			
	H		23-5/8			
Weight		lb.	33			
External finish			White			
Control voltage (by built-in transformer)			12 - 24 VDC			

NOTE: Test conditions are based on ARI 210/240.

OPERATING RANGE

(1) POWER SUPPLY

	Rated voltage	Guaranteed voltage (V)
Indoor unit	208/230 V 1 phase 60 Hz	Min. 187 208 230 Max. 253

(2) OPERATION

Mode	Condition	Intake air temperature (°F)			
		Indoor		Outdoor	
		DB	WB	DB	WB
Cooling	Standard temperature	80	67	95	—
	Maximum temperature	90	73	115	—
	Minimum temperature	67	57	14	—
	Maximum humidity	78%		—	
Heating	Standard temperature	70	60	47	43
	Maximum temperature	80	67	75	65
	Minimum temperature	70	60	-13	-14

OUTLET AIR SPEED AND COVERAGE

1. Single connection

Model	Mode	Function	Airflow (CFM)	Air speed (ft./s.)	Coverage (ft.)
MFZ-KJ09NA MFZ-KJ12NA	HEAT	Dry	417	20.3	29.6
	COOL	Dry	417	20.3	29.6
		Wet	354	17.2	25.3
MFZ-KJ15NA	HEAT	Dry	470	22.9	33.3
	COOL	Dry	431	21.0	30.6
		Wet	366	17.8	26.2
MFZ-KJ18NA	HEAT	Dry	470	22.9	33.3
	COOL	Dry	491	23.9	34.8
		Wet	417	20.3	29.7

2. Multi connection

Model	Mode	Function	Airflow (CFM)	Air speed (ft./s.)	Coverage (ft.)
MFZ-KJ09NA MFZ-KJ12NA	HEAT	Dry	343	16.7	24.5
	COOL	Dry	275	13.4	19.8
		Wet	234	11.4	16.9
MFZ-KJ15NA MFZ-KJ18NA	HEAT	Dry	470	22.9	33.3
	COOL	Dry	374	18.2	26.7
		Wet	318	15.5	22.8

- The air coverage is the figure up to the position where the air speed is 1 ft./s., when air is blown out horizontally from the unit properly at the High speed position.
  The coverage should be used only as a general guideline since it varies according to the size of the room and furniture arranged inside the room.

Outdoor unit model			MUFZ-KJ09NAHZ	MUFZ-KJ12NAHZ	MUFZ-KJ15NAHZ	MUFZ-KJ18NAHZ
Capacity Rated (Minimum~Maximum)	Cooling *1	Btu/h	9,000 (2,300 - 14,000)	12,000 (2,300 - 15,000)	15,000 (5,300 - 19,000)	17,000 (5,300 - 22,500)
	Heating 47 *1	Btu/h	11,000 (2,900 - 19,000)	13,000 (2,900 - 22,800)	18,000 (5,700 - 25,000)	21,000 (5,700 - 29,000)
Capacity Rated (Maximum)	Heating 17 *2	Btu/h	7,500 (13,400)	8,800(14,800)	12,000 (20,500)	12,800 (23,000)
Power consumption Rated (Minimum~Maximum)	Cooling *1	W	570 (180 - 1,250)	890 (180 - 1,380)	1,120 (420 - 1,850)	1,350 (420 - 2,320)
	Heating 47 *1	W	750 (270 - 2,370)	900 (270 - 2,390)	1,410 (480 - 3,410)	1,730 (480 - 3,430)
Power consumption Rated (Maximum)	Heating 17 *2	W	810 (1,860)	930 (1,890)	1,300 (3,190)	1,430 (3,210)
EER *1 [SEER] *3	Cooling		15.8 [28.2]	13.6 [25.5]	13.5 [21.8]	12.6 [21.0]
HSPF IV *4	Heating		13.0	12.0	11.6	11.3
COP	Heating *1		4.3	4.2	3.7	3.5
Power supply	V , phase , Hz		208/230, 1 , 60			
Max. fuse size (time delay)		A	15		20	
Min. circuit ampacity		A	11		16	
Fan motor		F.L.A	0.50		0.93	
Compressor	Model		SNB140FQUMT		SNB172FQKMT	
		R.L.A	8.2		12.0	
		L.R.A	10.3		15.0	
	Refrigeration oil	fl oz. (L) (Model)	11.8 (0.35)/(FV50S)		13.5 (0.40)/(FV50S)	
Refrigerant control			Linear expansion valve			
Sound level ❊1	Cooling	dB(A)	48	48	51	51
	Heating	dB(A)	50	50	55	55
Defrost method			Reverse cycle			
Dimensions	W	in.	31-1/2		33-1/16	
	D	in.	11-1/4		13	
	H	in.	21-5/8		34-5/8	
Weight		lb.	83		124	
External finish			Munsell 3Y 7.8/1.1			
Remote controller			Wireless type			
Control voltage (by built-in transformer)		VDC	12 - 24			
Refrigerant piping			Not supplied			
Refrigerant pipe size (Min. wall thickness)	Liquid	in.	1/4 (0.0315)			
	Gas	in.	3/8 (0.0315)		1/2 (0.0315)	
Connection method	Indoor		Flared			
	Outdoor		Flared			
Between the indoor & outdoor units	Height difference	ft.	40		50	
	Piping length	ft.	65		100	
Refrigerant charge (R410A)			2 lb. 10 oz.		3 lb. 5 oz.	

NOTE: Test conditions are based on AHRI 210/240.

*1: Rating conditions (Cooling) — Indoor: 80˚FDB, 67˚FWB, Outdoor: 95˚FDB, (75˚FWB)
(Heating) — Indoor: 70˚FDB, 60˚FWB, Outdoor: 47˚FDB, 43˚FWB

*2: (Heating) — Indoor: 70˚FDB, 60˚FWB, Outdoor: 17˚FDB, 15˚FWB

Test condition

*3, *4

ARI	Mode	Test	Indoor air condition (°F)		Outdoor air condition (°F)	
			Dry bulb	Wet bulb	Dry bulb	Wet bulb
	SEER (Cooling)	"A-2" Cooling Steady State at rated compressor Speed	80	67	95	(75)
		"B-2" Cooling Steady State at rated compressor Speed	80	67	82	(65)
		"B-1" Cooling Steady State at minimum compressor Speed	80	67	82	(65)
		"F-1" Cooling Steady State at minimum compressor Speed	80	67	67	(53.5)
		"E-V" Cooling Steady State at Intermediate compressor Speed ❊5	80	67	87	(69)
	HSPF (Heating)	"H1-2" Heating Steady State at rated compressor Speed	70	60	47	43
		"H3-2" Heating at rated compressor Speed	70	60	17	15
		"H0-1" Heating Steady State at minimum compressor Speed	70	60	62	56.5
		"H1-1" Heating Steady State at minimum compressor Speed	70	60	47	43
		"H2-V" Heating at Intermediate compressor Speed ❊5	70	60	35	33

*5: At Intermediate compressor Speed
= ("Rated compressor speed" - "minimum compressor speed") / 3 + "minimum compressor speed".

OPERATING RANGE

(1) POWER SUPPLY

	Rated voltage	Guaranteed voltage (V)
Outdoor unit	208/230 V 1 phase 60 Hz	Min. 187 208 230 Max. 253

(2) OPERATION

Mode	Condition	Intake air temperature (°F)			
		Indoor		Outdoor	
		DB	WB	DB	WB
Cooling	Standard temperature	80	67	95	—
	Maximum temperature	90	73	115	—
	Minimum temperature	67	57	14	—
	Maximum humidity	78 %		—	
Heating	Standard temperature	70	60	47	43
	Maximum temperature	80	67	75	65
	Minimum temperature	70	60	-13	-14

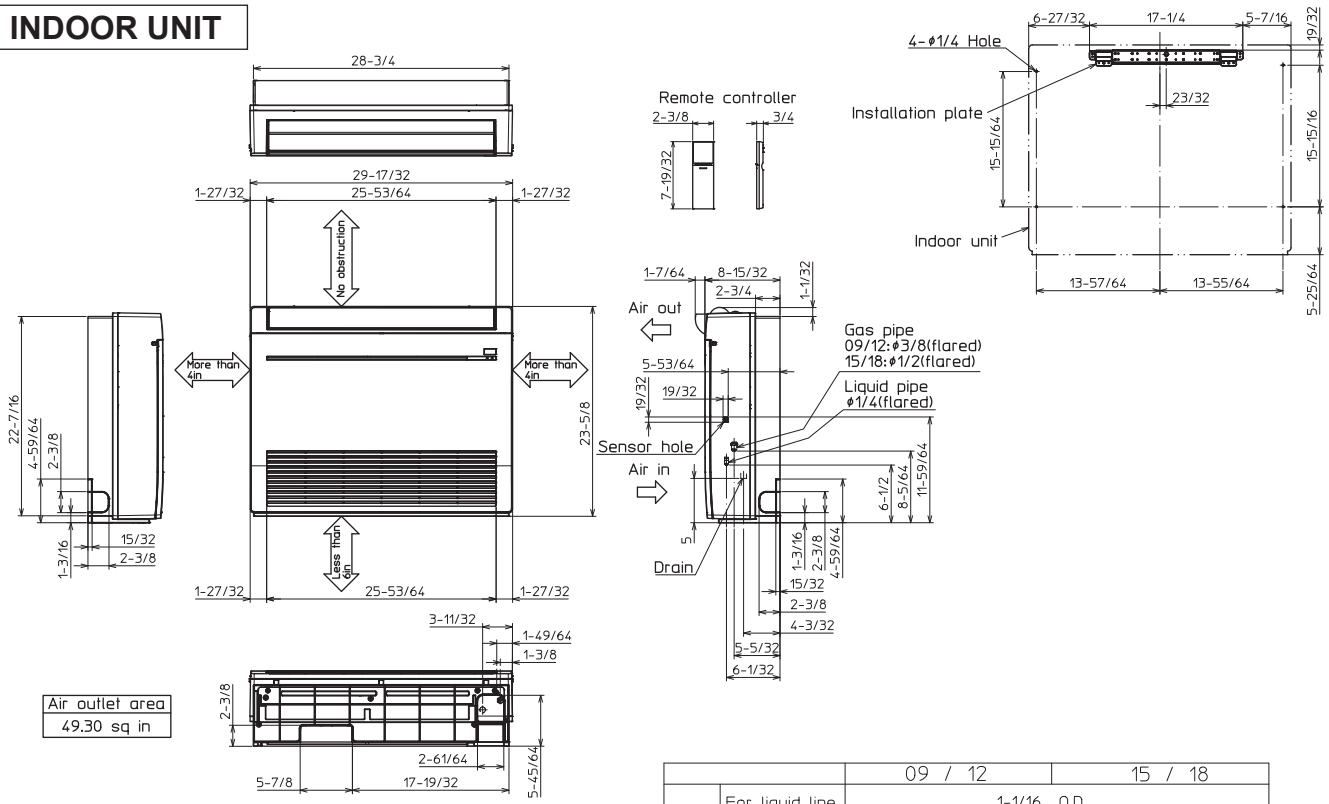
A.2.2 OUTLINES AND DIMENSIONS

A.2.2.1 Indoor Unit

Unit: Inch

MFZ-KJ09NA MFZ-KJ12NA MFZ-KJ15NA MFZ-KJ18NA

INDOOR UNIT



		09 / 12	15 / 18
Pipe cover	For liquid line	1-1/16 O.D	
	For gas line	1-1/16 O.D	1-7/32 O.D
Piping	Liquid line	Flared connection 1/4	
	Gas line	Flared connection 3/8	Flared connection 1/2
Drain hose		Heat insulater 1-9/64 O.D / Connection point 5/8 O.D / Effective length 13-25/32 (case of right backward piping)	

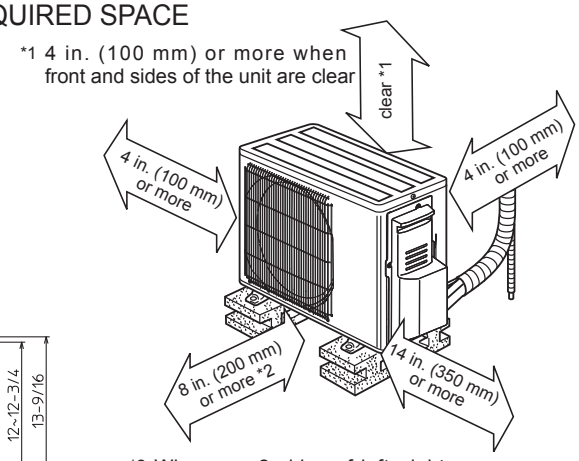
A.2.2.2 Outdoor Unit

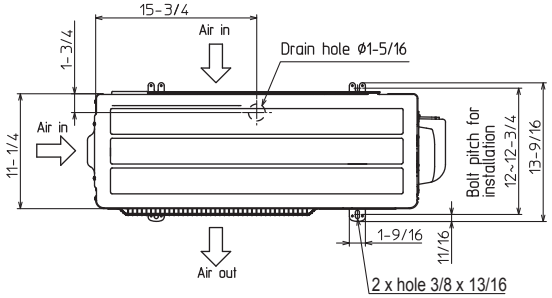
MUFZ-KJ09NAHZ MUFZ-KJ12NAHZ

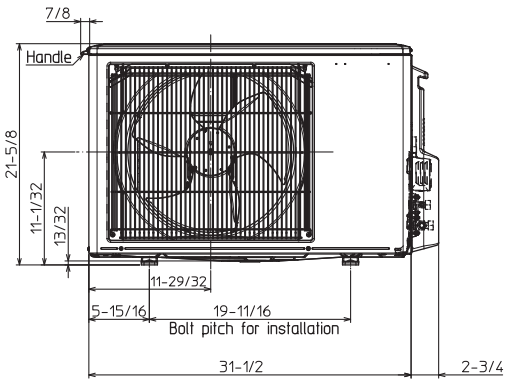
Unit: inch

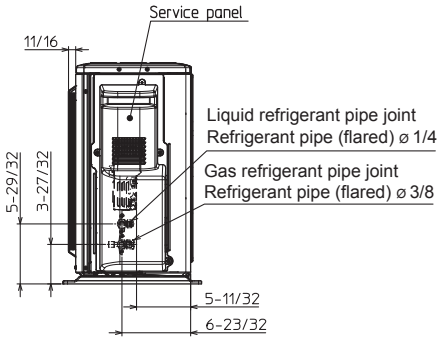
OUTDOOR UNIT

REQUIRED SPACE





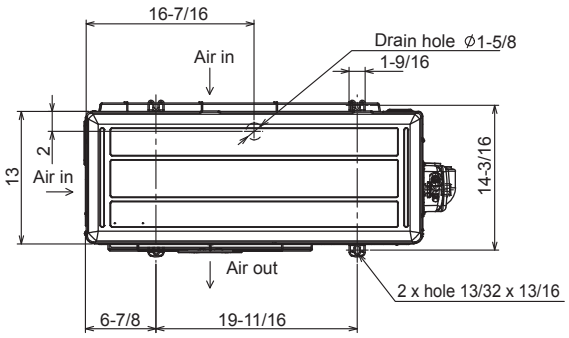




Unit: Inch

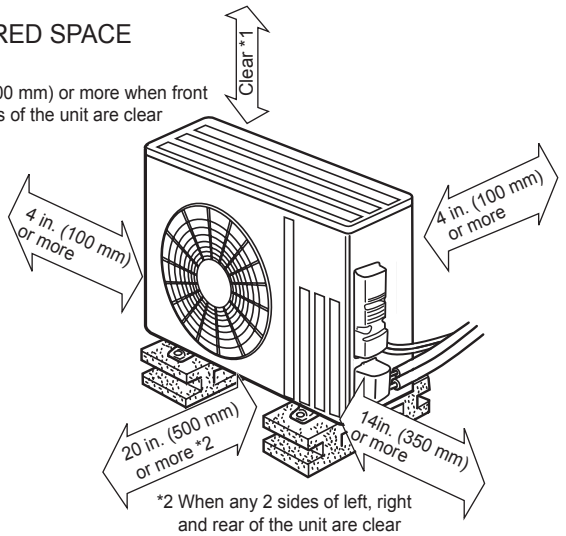
MUFZ-KJ15NAHZ MUFZ-KJ18NAHZ

OUTDOOR UNIT

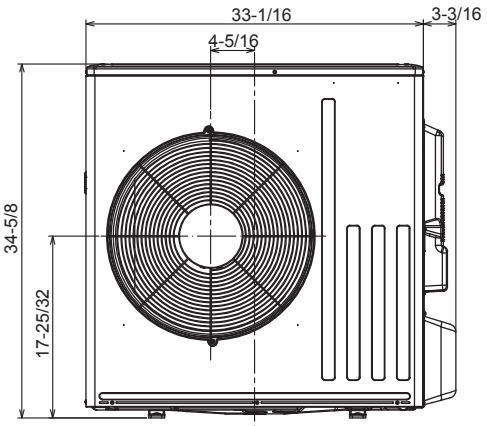


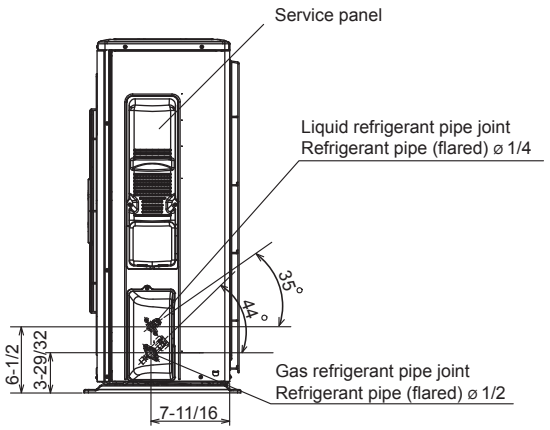
REQUIRED SPACE

*1 20 in. (500 mm) or more when front and sides of the unit are clear



*2 When any 2 sides of left, right and rear of the unit are clear



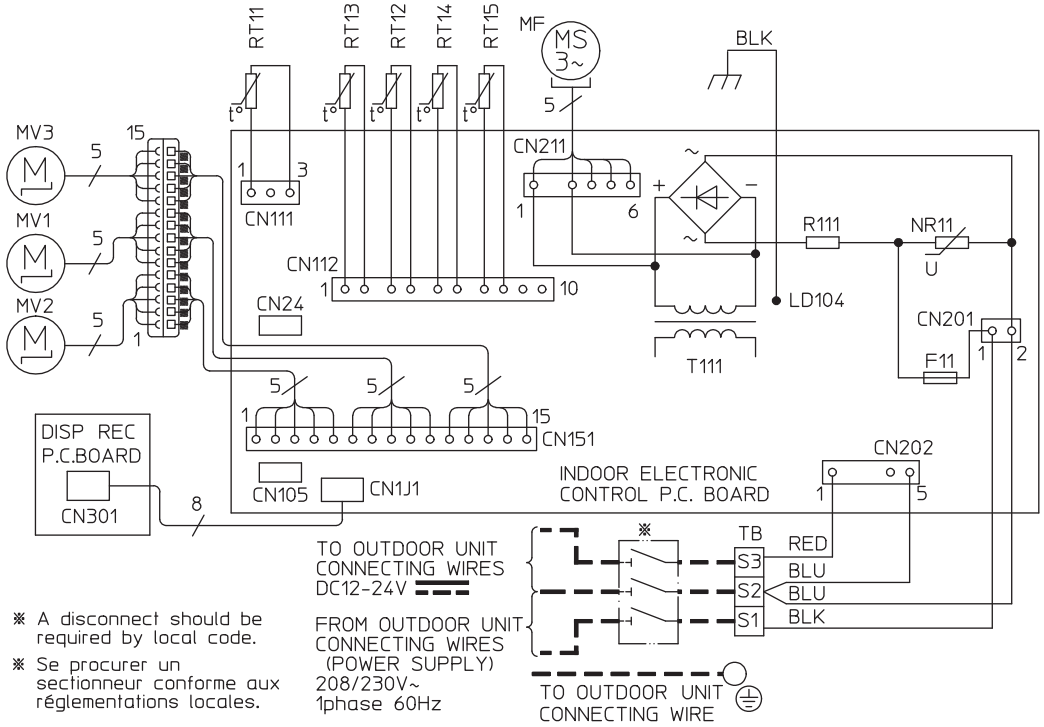


A.2.3 WIRING DIAGRAM

A.2.3.1 Indoor Unit

MFZ-KJ09NA MFZ-KJ12NA MFZ-KJ15NA MFZ-KJ18NA

INDOOR UNIT



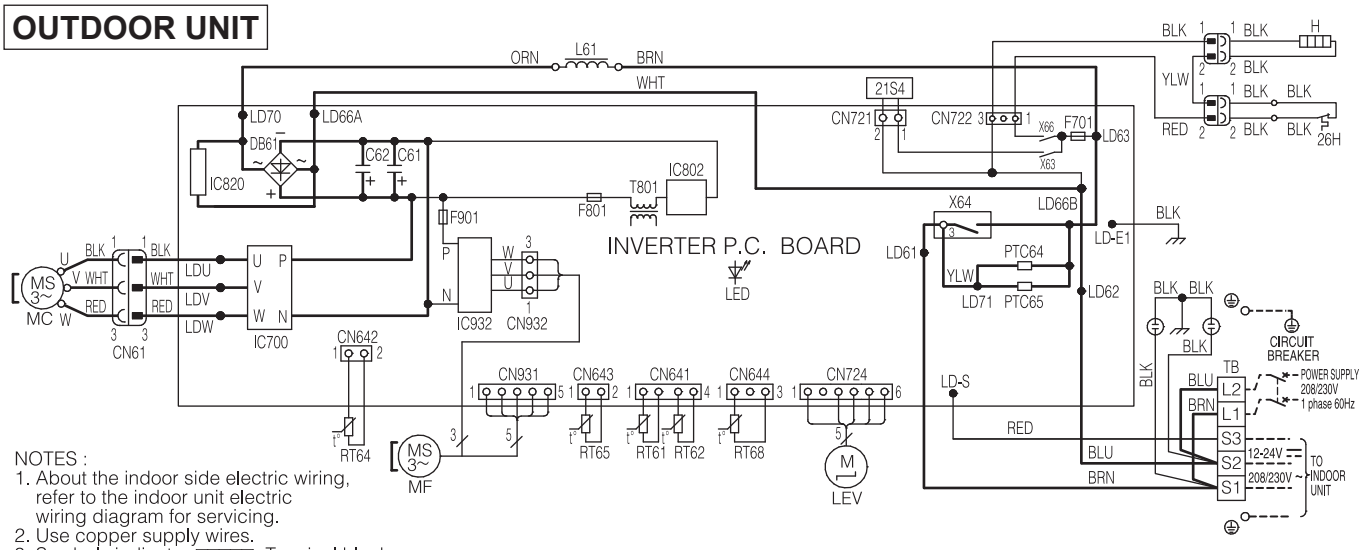
※ A disconnect should be required by local code.

※ Se procurer un sectionneur conforme aux réglementations locales.

SYMBOL	NAME
MF	FAN MOTOR
MV1	HORIZONTAL VANE MOTOR (FRONT)
MV2	HORIZONTAL VANE MOTOR (BACK)
MV3	MULTI-FLOW VANE MOTOR
F11	FUSE (T3.15AL250V)
T111	TRANSFORMER
TB	TERMINAL BLOCK
RT11	ROOM TEMP. THERMISTOR
RT12	COIL TEMP. THERMISTOR(MAIN1)
RT13	COIL TEMP. THERMISTOR(SUB)
RT14	COIL TEMP. THERMISTOR(MAIN2)
RT15	COIL TEMP. THERMISTOR(MAIN3)
NR11	VARISTOR
R111	RESISTOR

A.2.3.2 Outdoor Unit
MUFZ-KJ09NAHZ MUFZ-KJ12NAHZ

OUTDOOR UNIT



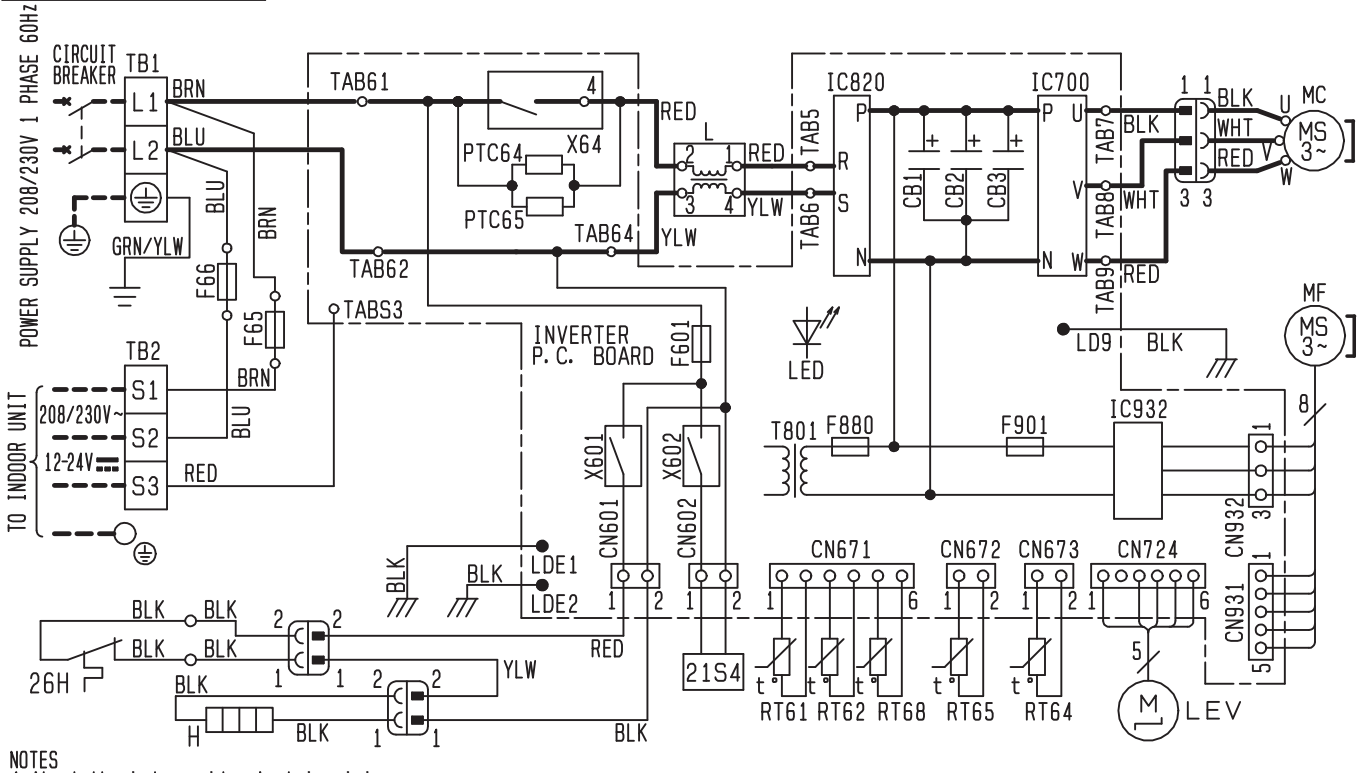
NOTES :
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, ⊏⊏⊏⊏⊏ :Terminal block
   ⊙⊙⊙⊙⊙ :Connector

REMARQUES :
1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les ⊏⊏⊏⊏⊏ :Borne
   significations suivantes, ⊙⊙⊙⊙⊙ :Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
C61,C62	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61	DIODE MODULE	MC	COMPRESSOR		
F701,F801,F901	FUSE (T3. 15AL250V)	MF	FAN MOTOR	TB	TERMINAL BLOCK
H	DEFROST HEATER	PTC64, PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
IC700,IC820,IC932	POWER MODULE	RT61	DEFROST THERMISTOR	X63, X64, X66	RELAY
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
LED	LED	RT64	FIN TEMP. THERMISTOR	26H	HEATER PROTECTOR
LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR		

MUFZ-KJ15NAHZ MUFZ-KJ18NAHZ

OUTDOOR UNIT



NOTES
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, ⊏⊐⊏⊐:Terminal block ⊙⊙⊙:Connector

REMARQUES
1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les significations suivantes, ⊏⊐⊏⊐:Borne ⊙⊙⊙:Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	LED	LED	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
F65, F66	FUSE (T6.3AL250V)	LEV	EXPANSION VALVE COIL		
F601	FUSE (T3.15AL250V)	MC	COMPRESSOR	TB1, TB2	TERMINAL BLOCK
F880	FUSE (T3.15AL250V)	MF	FAN MOTOR	T801	TRANSFORMER
F901	FUSE (T3.15AL250V)	PTC64	CIRCUIT PROTECTION	X601	RELAY
H	DEFROST HEATER	PTC65	CIRCUIT PROTECTION	X602	RELAY
IC700	IGBT MODULE	RT61	DEFROST THERMISTOR	X64	RELAY
IC820	DIODE MODULE	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
IC932	IGBT MODULE	RT64	FIN TEMP. THERMISTOR	26H	HEATER PROTECTOR
L	REACTOR	RT65	AMBIENT TEMP. THERMISTOR		

A.2.4 REFRIGERANT SYSTEM DIAGRAM

A.2.4.1 Inverter Heat Pump

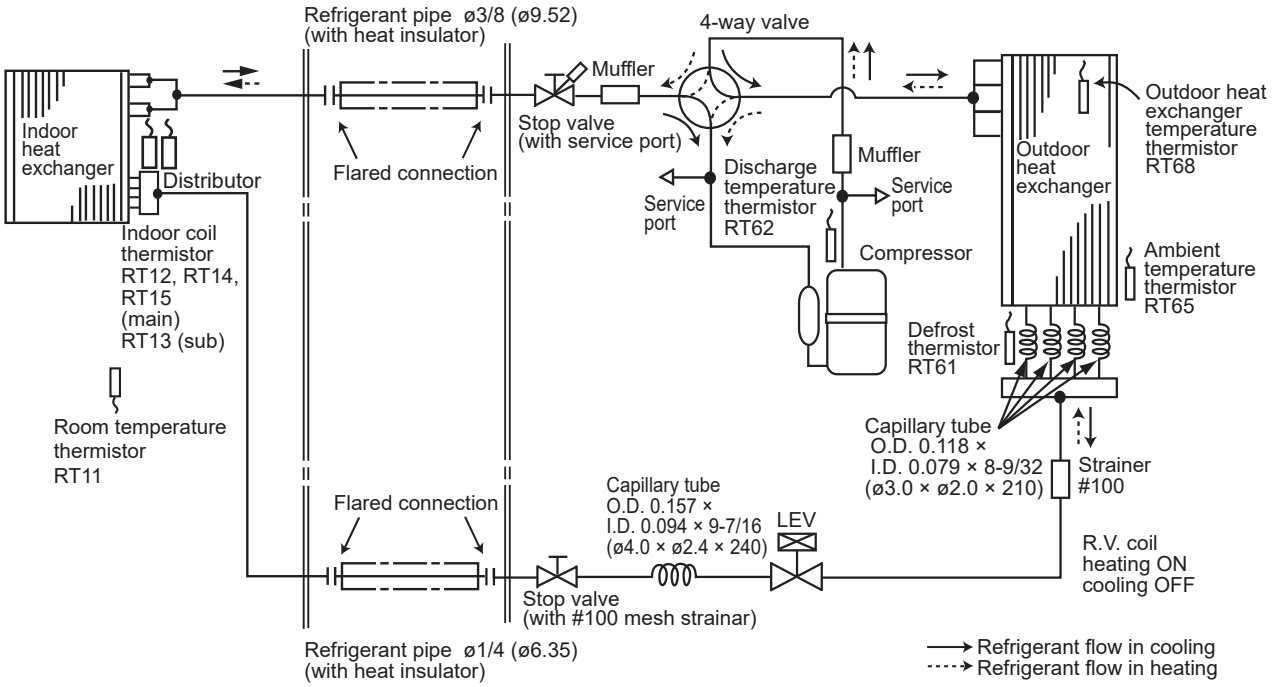
Unit: inch(mm)

MFZ-KJ09NA
MFZ-KJ12NA

INDOOR UNIT

MUFZ-KJ09NAHZ
MUFZ-KJ12NAHZ

OUTDOOR UNIT

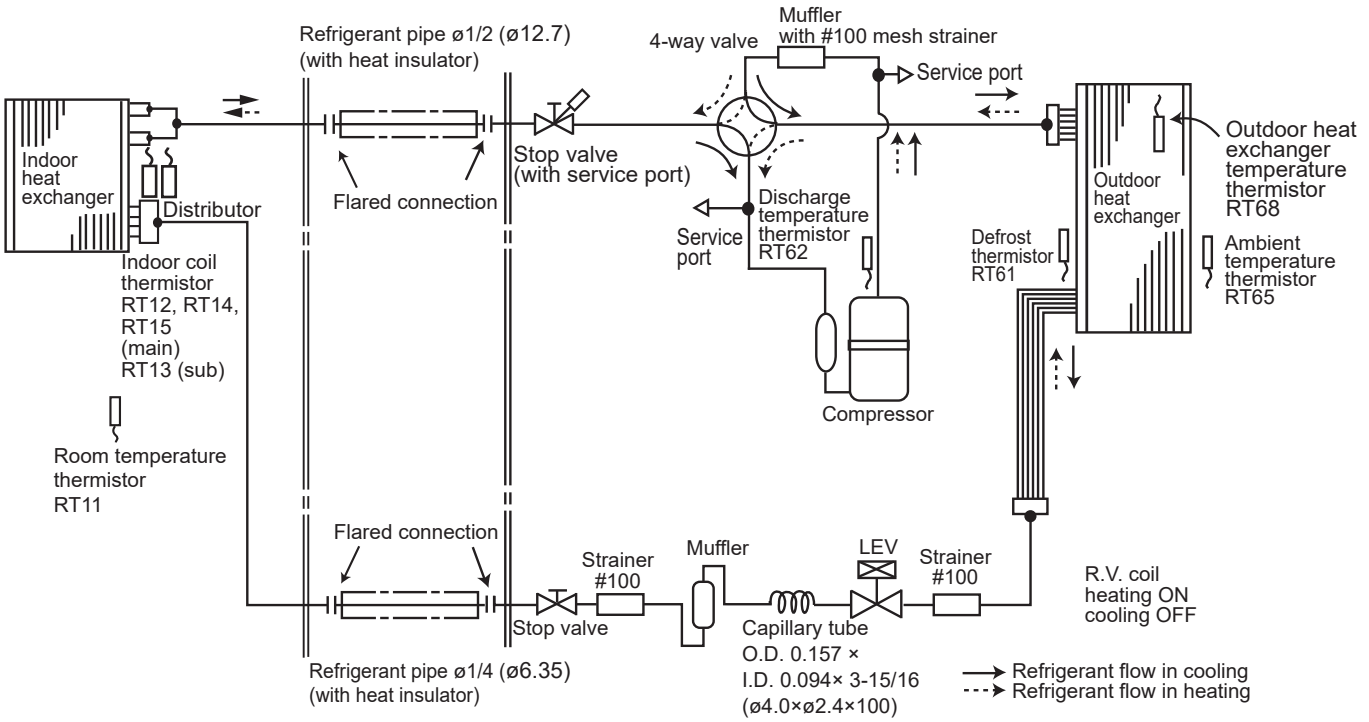


MFZ-KJ15NA
MFZ-KJ18NA

INDOOR UNIT

MUFZ-KJ15NAHZ
MUFZ-KJ18NAHZ

OUTDOOR UNIT

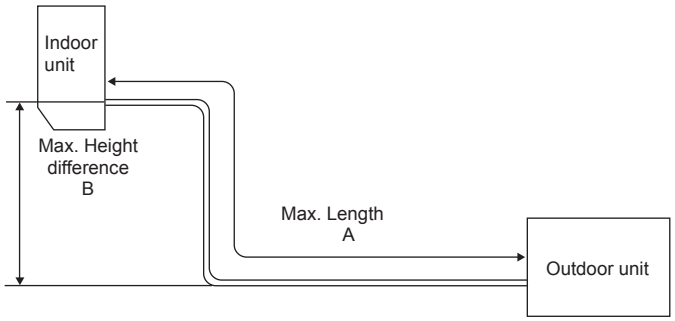


A.2.4.2 Refrigerant Pipe Length and Pipe Size

Unit: inch(mm)

MAX. REFRIGERANT PIPING LENGTH and MAX. HEIGHT DIFFERENCE

Model	Refrigerant piping: ft.		Piping size O.D: in.	
	Max. Length A	Max. Height difference B	Gas	Liquid
MUFZ-KJ09NAHZ MUFZ-KJ12NAHZ	65	40	3/8	1/4
MUFZ-KJ15NAHZ MUFZ-KJ18NAHZ	100	50	1/2	1/4



ADDITIONAL REFRIGERANT CHARGE (R410A: oz.)

NOTE: Refrigerant piping exceeding 25 ft. requires additional refrigerant charge according to the calculation.

Model	Outdoor unit precharged	Refrigerant piping length (one way): ft.					
		25	30	40	50	60	65
MUFZ-KJ09NAHZ MUFZ-KJ12NAHZ	2 lb. 10 oz.	0	1.08	3.24	5.40	7.56	8.64

Calculation: X oz. = 1.08/5 oz./ft. × (Refrigerant piping length (ft.) - 25)

NOTE: Refrigerant piping exceeding 25 ft. requires additional refrigerant charge according to the calculation.

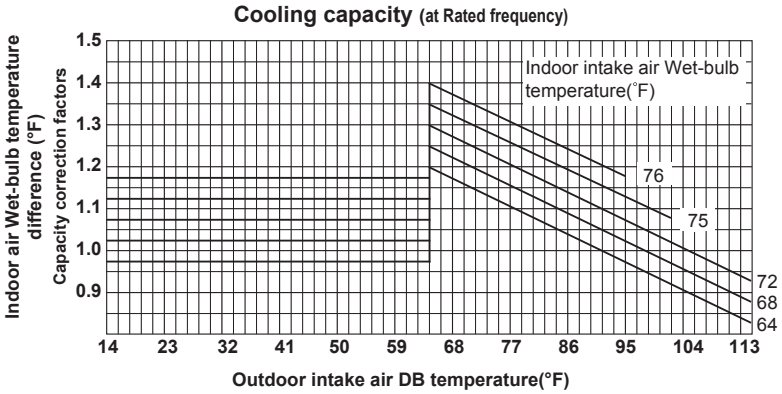
Model	Outdoor unit precharged	Refrigerant piping length (one way): ft.								
		25	30	40	50	60	70	80	90	100
MUFZ-KJ15NAHZ MUFZ-KJ18NAHZ	3 lb. 5 oz.	0	1.62	4.86	8.10	11.34	14.58	17.82	21.06	24.30

Calculation: X oz. = 1.62/5 oz./ft. × (Refrigerant piping length (ft.) - 25)

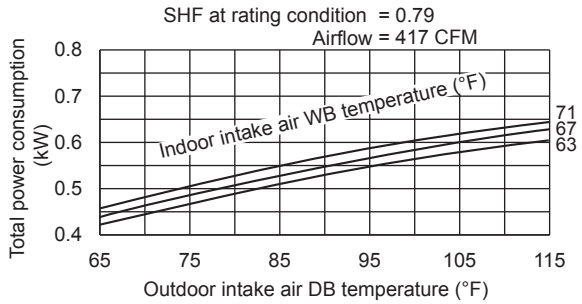
A.2.5 PERFORMANCE CURVES

A.2.5.1 Inverter Heat Pump

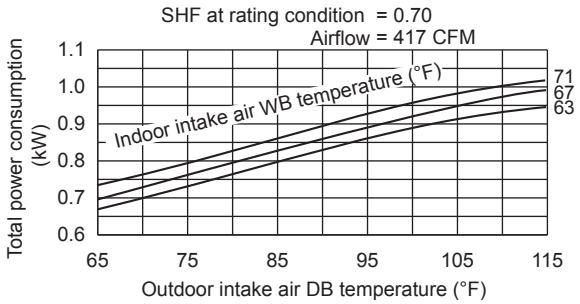
A.2.5.1.1 CAPACITY AND THE INPUT CURVES



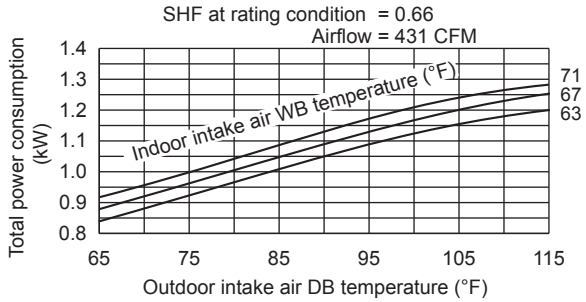
MUFZ-KJ09NAHZ



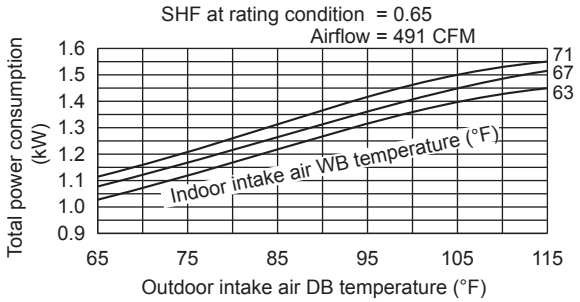
MUFZ-KJ12NAHZ



MUFZ-KJ15NAHZ



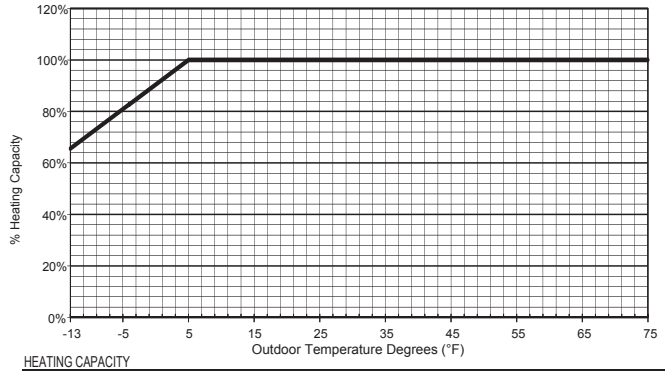
MUFZ-KJ18NAHZ



This value of frequency is not the same as the actual frequency in operating.
Refer to A.2.5.1.4 and A.2.5.1.5 for the relationships between frequency and capacity.

HEATING CAPACITY

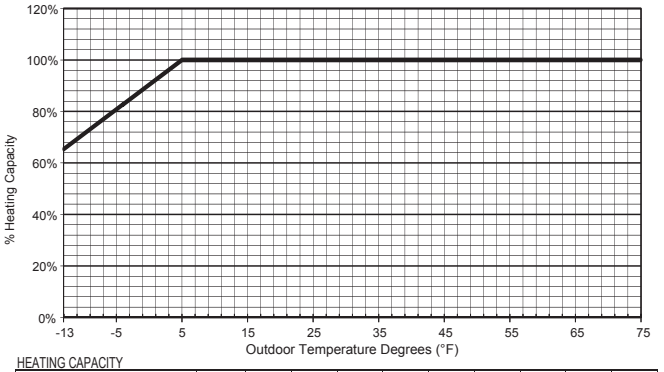
MUFZ-KJ09NAHZ



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-13.0	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	66%	83%	100%	100%	100%	100%	100%	100%	100%	100%

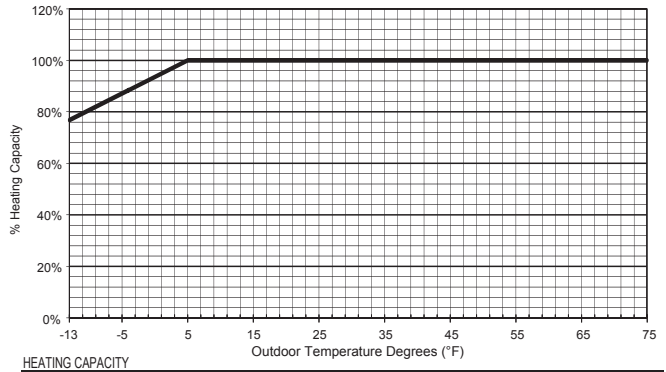
MUFZ-KJ12NAHZ



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-13.0	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	65%	83%	100%	100%	100%	100%	100%	100%	100%	100%

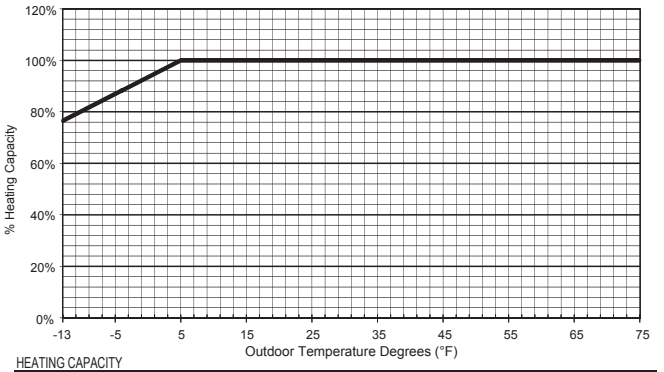
MUFZ-KJ15NAHZ



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-13.0	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	77%	88%	100%	100%	100%	100%	100%	100%	100%	100%

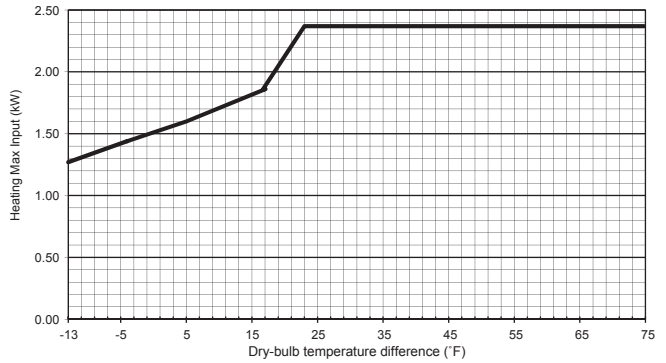
MUFZ-KJ18NAHZ



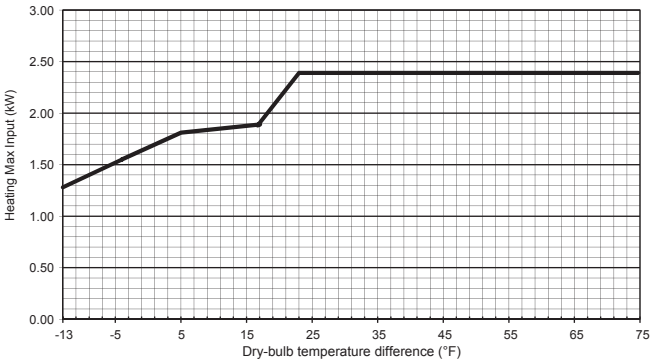
HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-13.0	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	77%	88%	100%	100%	100%	100%	100%	100%	100%	100%

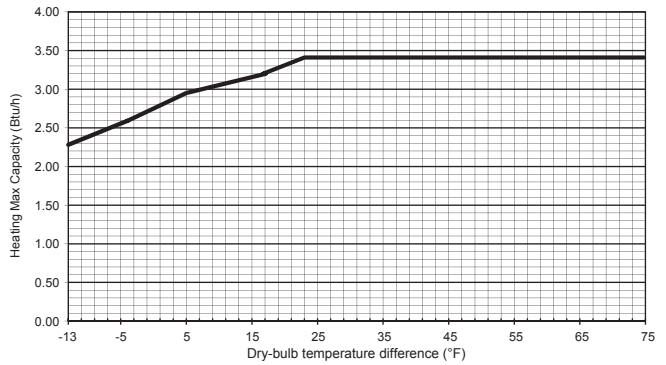
MUFZ-KJ09NAHZ



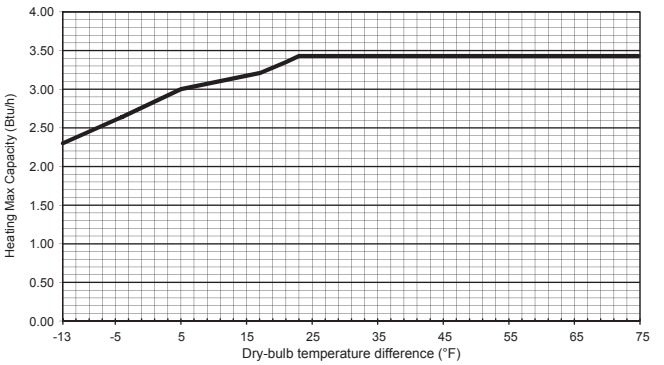
MUFZ-KJ12NAHZ



MUFZ-KJ15NAHZ



MUFZ-KJ18NAHZ



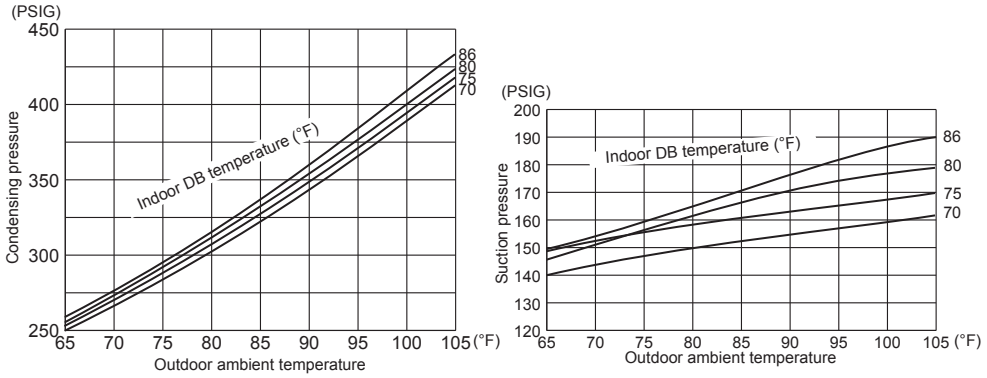
This value of frequency is not the same as the actual frequency in operating.
Refer to A.2.5.1.4 and A.2.5.1.5 for the relationships between frequency and capacity.

A.2.5.1.2 CONDENSING PRESSURE

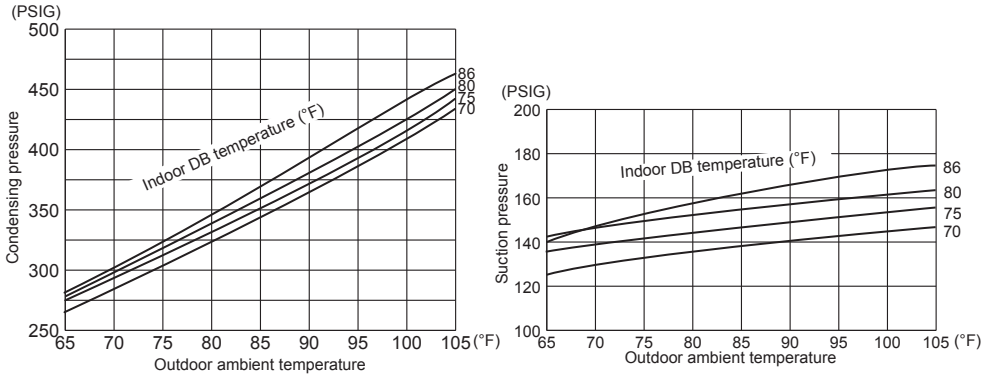
Cooling

Data are based on the condition of indoor humidity 50 %.
Airflow should be set to High speed.

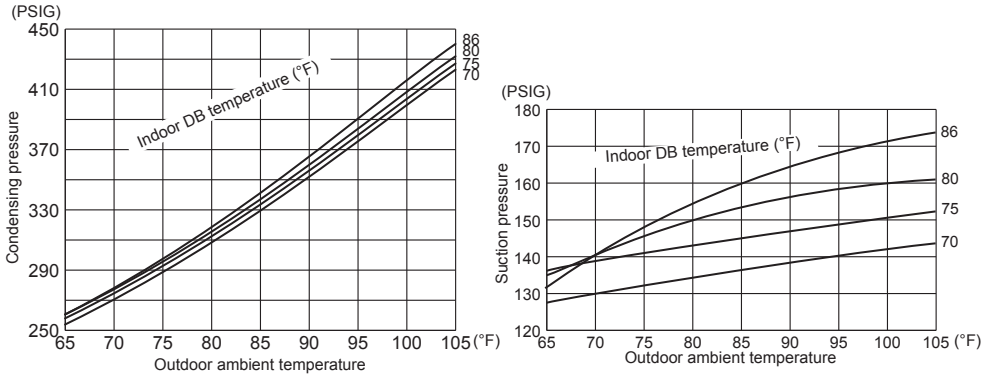
MUFZ-KJ09NAHZ



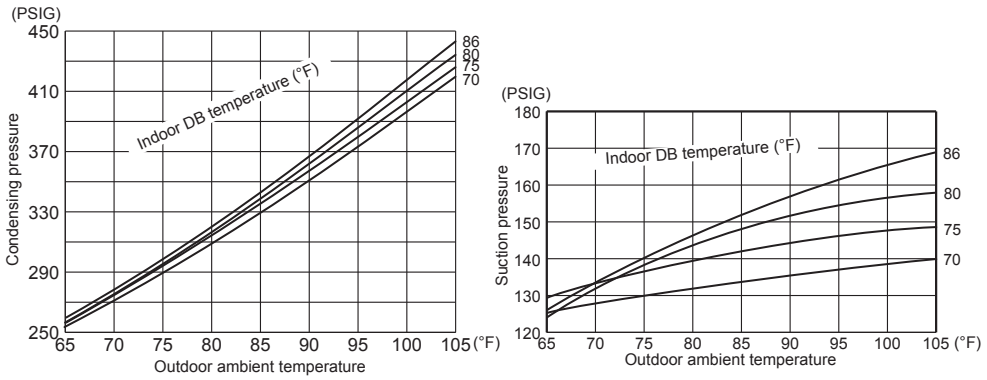
MUFZ-KJ12NAHZ



MUFZ-KJ15NAHZ



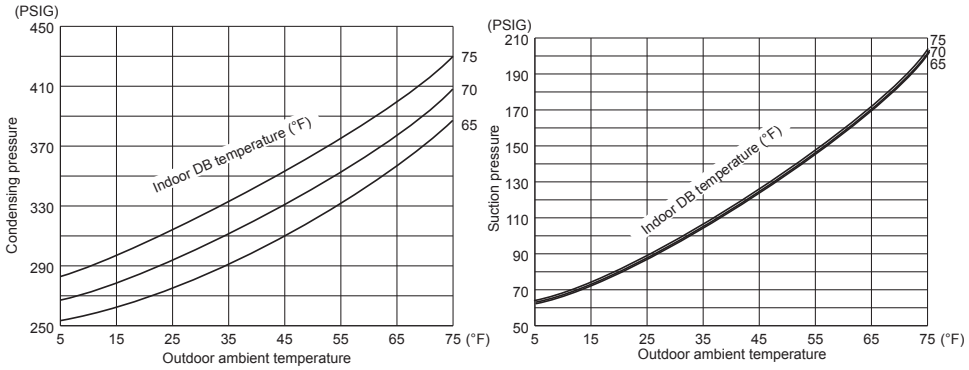
MUFZ-KJ18NAHZ



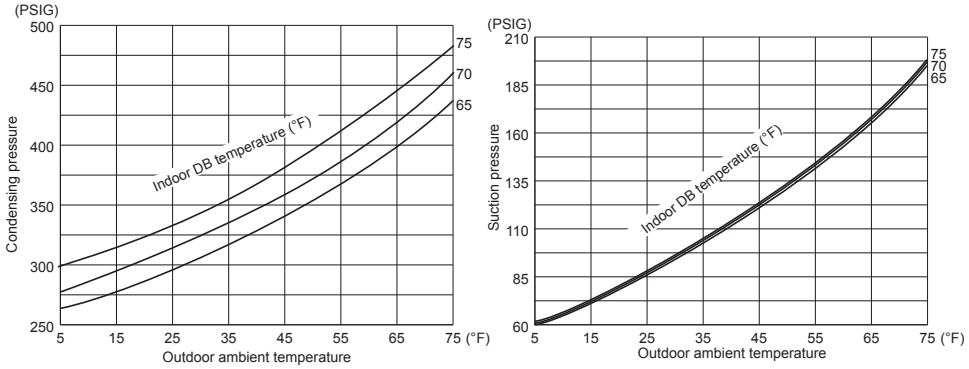
Heating

Data are based on the condition of outdoor humidity 75%.
Airflow should be set to High speed.
Data are for heating operation without any frost.

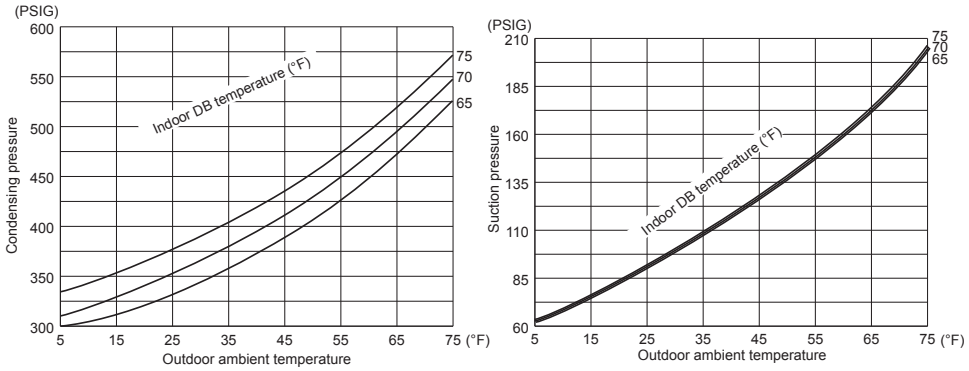
MUFZ-KJ09NAHZ



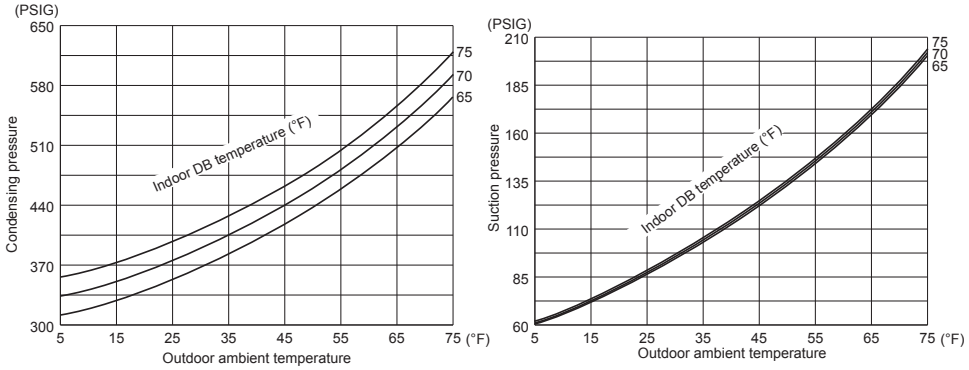
MUFZ-KJ12NAHZ



MUFZ-KJ15NAHZ



MUFZ-KJ18NAHZ

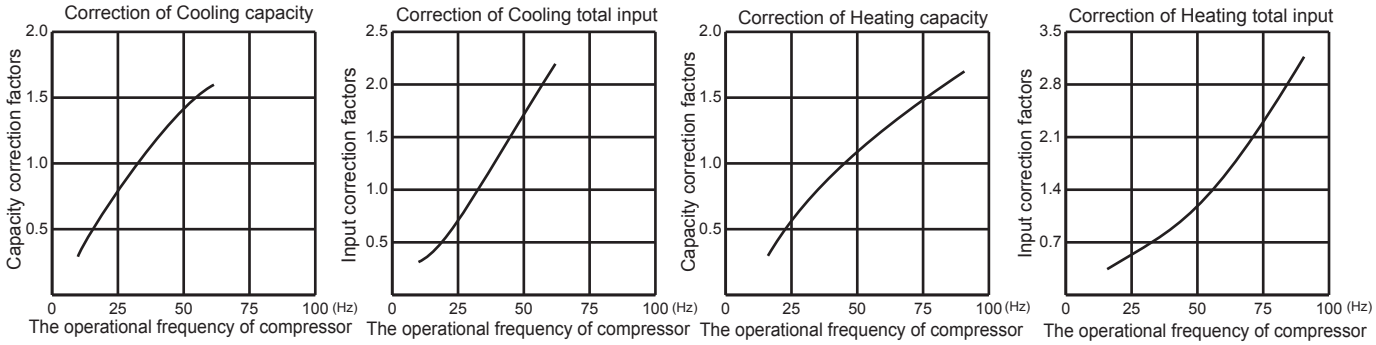


A.2.5.1.3 STANDARD OPERATION DATA

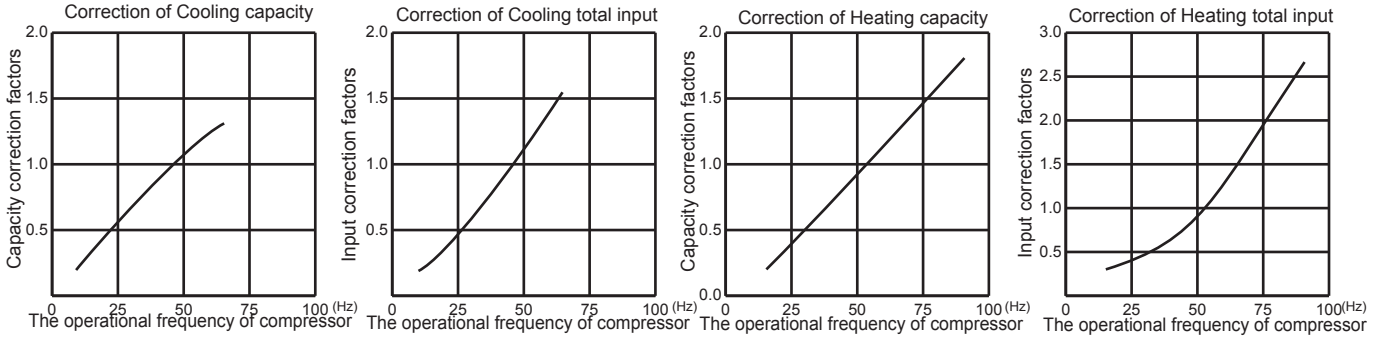
Model				MFZ-KJ09NA		MFZ-KJ12NA		MFZ-KJ15NA		MFZ-KJ18NA	
Item			Unit	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Total	Capacity		Btu/h	9,000	11,000	12,000	13,000	15,000	18,000	17,000	21,000
	SHF		—	0.79	—	0.70	—	0.66	—	0.65	—
	Input		kW	0.570	0.750	0.890	0.900	1.120	1.140	1.350	1.730
	Rated frequency		Hz	33	45	46	53	48	57	56	62
Electrical circuit	Indoor unit			MFZ-KJ09NA		MFZ-KJ12NA		MFZ-KJ15NA		MFZ-KJ18NA	
	Power supply		V, phase, Hz	208/230, 1, 60							
	Input		kW	0.025		0.025		0.027		0.047	
	Fan motor current		A	0.26/0.23		0.26/0.23		0.28/0.35		0.48/0.43	
	Outdoor unit			MUFZ-KJ09NAHZ		MUFZ-KJ12NAHZ		MUFZ-KJ15NAHZ		MUFZ-KJ18NAHZ	
	Power supply		V, phase, Hz	208/230, 1, 60							
	Input		kW	0.545	0.725	0.865	0.875	1.093	1.376	1.303	1.687
	Comp. current		A	2.21/2.00	3.09/2.79	3.75/3.39	3.81/3.45	4.05/3.63	5.38/4.86	5.05/4.54	6.87/6.22
	Fan motor current		A	0.41/0.37	0.40/0.36	0.41/0.37	0.40/0.36	1.21/1.09	1.24/1.12	1.21/1.09	1.24/1.12
Refrigerant circuit	Condensing pressure		PSIG	377	331	401	360	382	414	388	441
	Suction pressure		PSIG	172	126	159	121	158	127	154	124
	Discharge temperature		˚F	141	117	150	142	149	166	150	178
	Condensing temperature		˚F	109	98	113	104	110	112	111	117
	Suction temperature		˚F	60	37	52	36	55	38	51	41
	Comp. shell bottom temperature		˚F	131	109	141	132	140	156	143	168
	Ref. pipe length		ft.	25							
	Refrigerant charge (R410A)			2 lb. 10oz				3 lb 5 oz.			
Indoor unit	Intake air temperature	DB	˚F	80	70	80	70	80	70	80	70
		WB	˚F	67	60	67	60	67	60	67	60
	Discharge air temperature	DB	˚F	61	95	58	101	56	110	56	115
		WB	˚F	60	—	57	—	55	—	55	—
	Fan speed (High)		rpm	1,080	1,080	1,080	1,080	1,110	1,200	1,240	1,200
	Airflow (High)		CFM	354 (Wet)	417	354 (Wet)	417	366 (Wet)	470	417 (Wet)	470
Outdoor unit	Intake air temperature	DB	˚F	95	47	95	47	95	47	95	47
		WB	˚F	—	43	—	43	—	43	—	43
	Fan speed		rpm	810	900	810	900	820	860	820	860
	Airflow		CFM	1,074	1,202	1,074	1,202	1,653	1,730	1,653	1,730

A.2.5.1.4 CAPACITY AND INPUT CORRECTION BY OPERATIONAL FREQUENCY OF COMPRESSOR

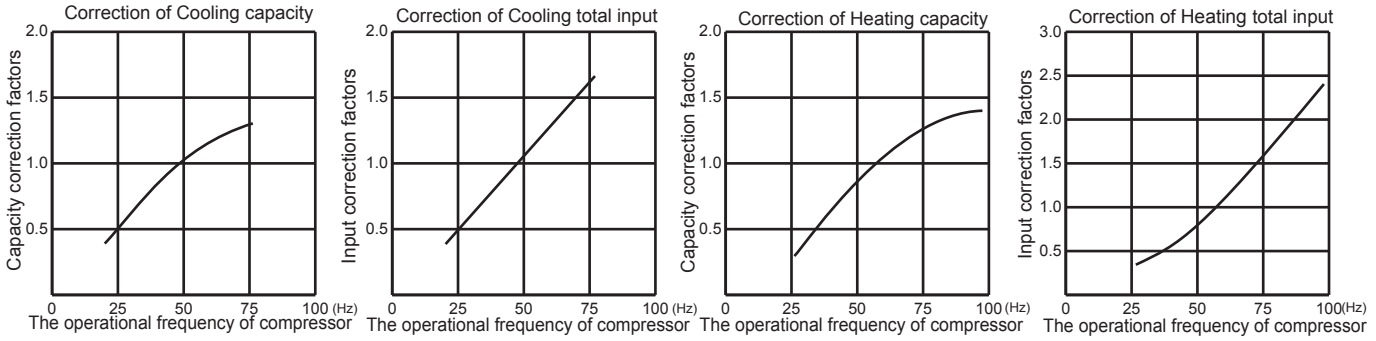
MUFZ-KJ09NAHZ



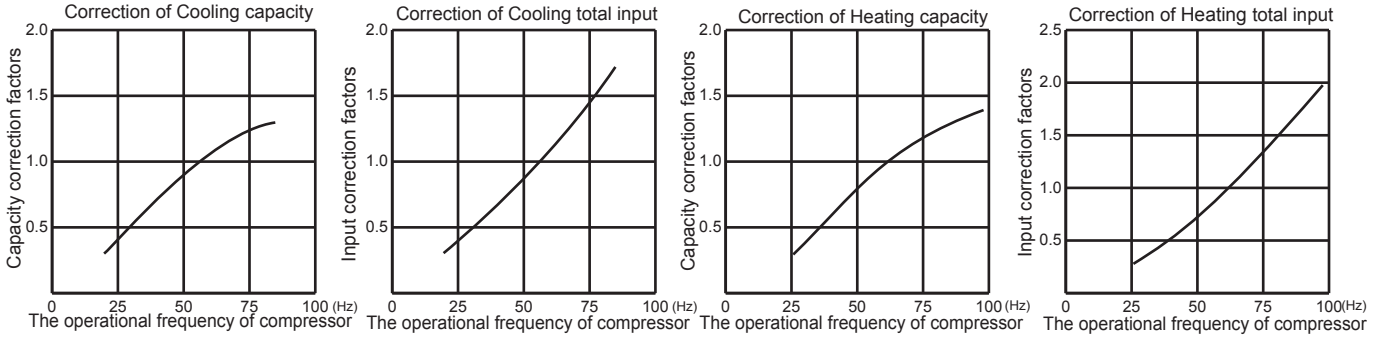
MUFZ-KJ12NAHZ



MUFZ-KJ15NAHZ



MUFZ-KJ18NAHZ

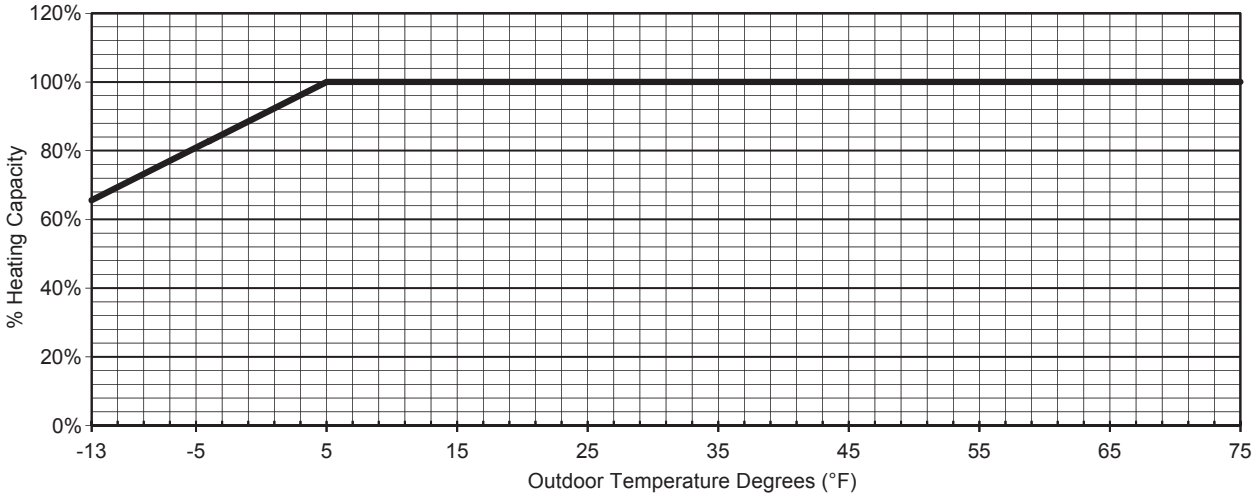


A.2.5.1.5 HOW TO OPERATE FIXED-FREQUENCY OPERATION (Test run operation)

1. Press EMERGENCY OPERATION switch to start COOL or HEAT mode (COOL: Press once, HEAT: Press twice).
2. Test run operation starts and continues to operate for 30 minutes.
3. Compressor operates at rated frequency in COOL mode or 58 Hz in HEAT mode.
4. Indoor fan operates at High speed.
5. After 30 minutes, test run operation finishes and EMERGENCY OPERATION starts (operation frequency of compressor varies).
6. To cancel test run operation (EMERGENCY OPERATION), press EMERGENCY OPERATION switch or any button on the remote controller.

A.2.5.1.6 MAX. HEATING CAPACITY IN LOW AMBIENT TEMPERATURE

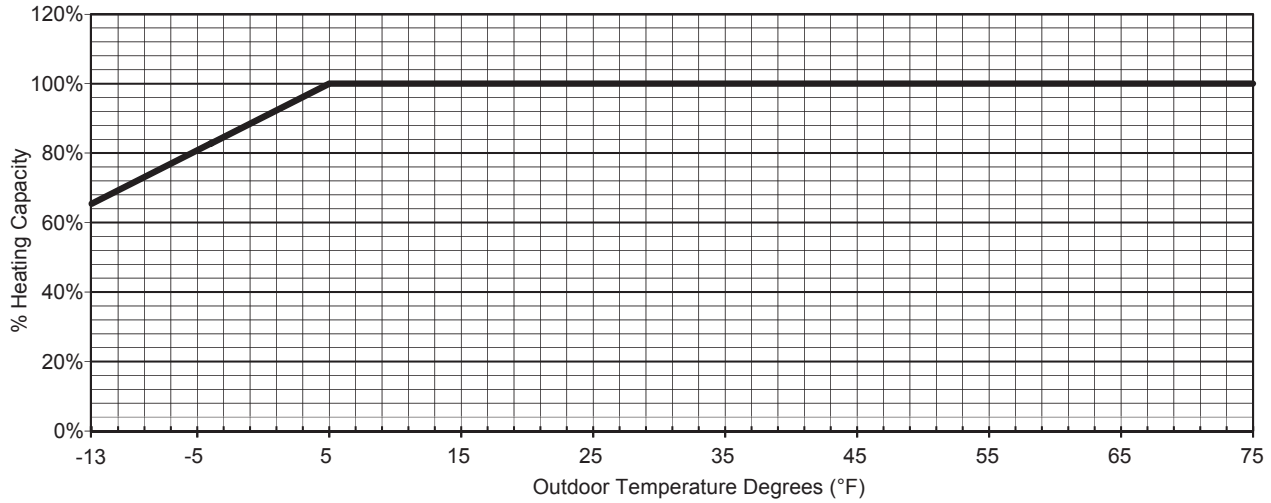
MUFZ-KJ09NAHZ



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-13.0	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	66%	83%	100%	100%	100%	100%	100%	100%	100%	100%

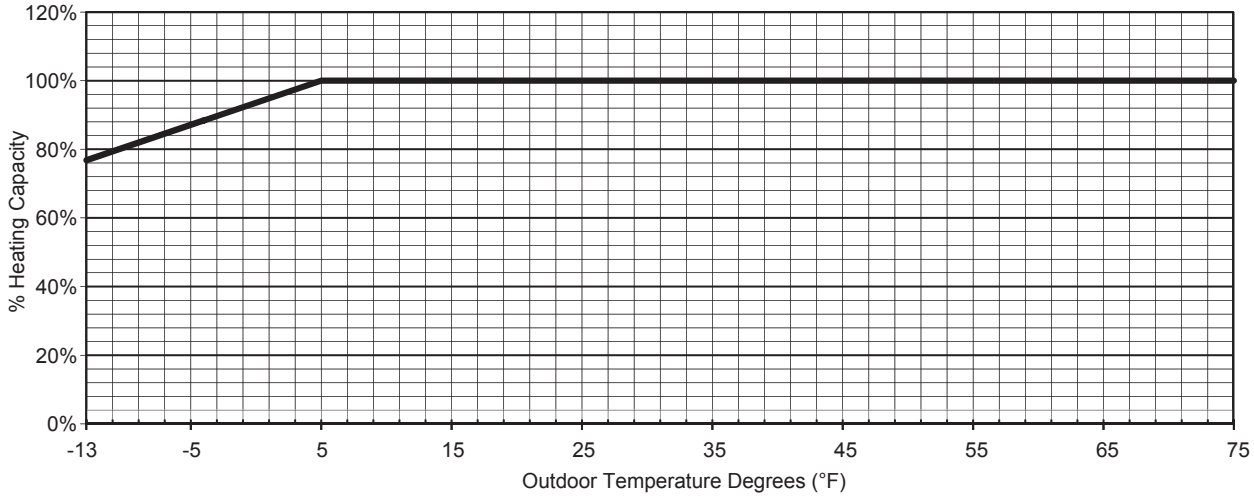
MUFZ-KJ12NAHZ



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-13.0	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	65%	83%	100%	100%	100%	100%	100%	100%	100%	100%

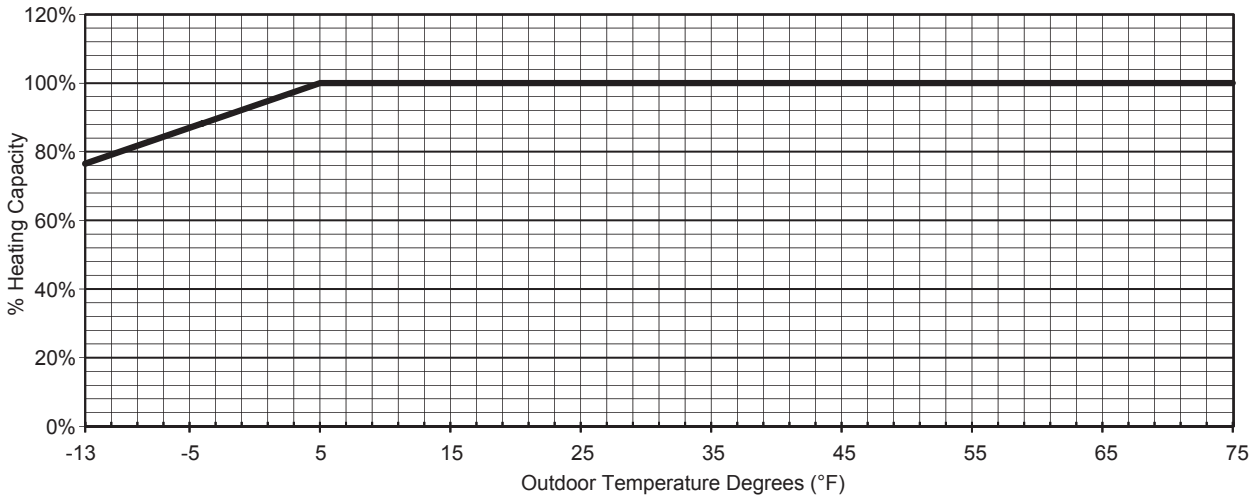
MUFZ-KJ15NAHZ



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-13.0	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	77%	88%	100%	100%	100%	100%	100%	100%	100%	100%

MUFZ-KJ18NAHZ



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-13.0	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	77%	88%	100%	100%	100%	100%	100%	100%	100%	100%

A.2.6 PERFORMANCE DATA

A.2.6.1 Inverter Heat Pump

COOLING CAPACITY

MFZ-KJ09NA: MUFZ-KJ09NAHZ

CAPACITY (Btu/h): 9000 INPUT (W): 570 SHF: 0.79

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	10575	6451	0.61	456	10125	6176	0.61	479	9720	5929	0.61	502	9360	5710	0.61	524
70	68	11025	5402	0.49	479	10575	5182	0.49	507	10260	5027	0.49	519	9900	4851	0.49	542
72	64	10575	6874	0.65	456	10125	6581	0.65	479	9720	6318	0.65	502	9360	6084	0.65	524
72	68	11025	5843	0.53	479	10575	5605	0.53	507	10260	5438	0.53	519	9900	5247	0.53	542
72	72	11475	4705	0.41	496	11070	4539	0.41	527	10800	4428	0.41	542	10350	4244	0.41	564
73	64	10575	7297	0.69	456	10125	6986	0.69	479	9720	6707	0.69	502	9360	6458	0.69	524
73	68	11025	6284	0.57	479	10575	6028	0.57	507	10260	5848	0.57	519	9900	5643	0.57	542
73	72	11475	5164	0.45	496	11070	4982	0.45	527	10800	4860	0.45	542	10350	4658	0.45	564
75	64	10575	7720	0.73	456	10125	7391	0.73	479	9720	7096	0.73	502	9360	6833	0.73	524
75	68	11025	6725	0.61	479	10575	6451	0.61	507	10260	6259	0.61	519	9900	6039	0.61	542
75	72	11475	5623	0.49	496	11070	5424	0.49	527	10800	5292	0.49	542	10350	5072	0.49	564
75	75	12060	4462	0.37	519	11610	4296	0.37	547	11340	4196	0.37	564	10980	4063	0.37	593
77	64	10575	8143	0.77	456	10125	7796	0.77	479	9720	7484	0.77	502	9360	7207	0.77	524
77	68	11025	7166	0.65	479	10575	6874	0.65	507	10260	6669	0.65	519	9900	6435	0.65	542
77	72	11475	6082	0.53	496	11070	5867	0.53	527	10800	5724	0.53	542	10350	5486	0.53	564
77	75	12060	4945	0.41	519	11610	4760	0.41	547	11340	4649	0.41	564	10980	4502	0.41	593
79	64	10575	8566	0.81	456	10125	8201	0.81	479	9720	7873	0.81	502	9360	7582	0.81	524
79	68	11025	7607	0.69	479	10575	7297	0.69	507	10260	7079	0.69	519	9900	6831	0.69	542
79	72	11475	6541	0.57	496	11070	6310	0.57	527	10800	6156	0.57	542	10350	5900	0.57	564
79	75	12060	5427	0.45	519	11610	5225	0.45	547	11340	5103	0.45	564	10980	4941	0.45	593
79	79	12420	4099	0.33	547	12060	3980	0.33	576	11880	3920	0.33	593	11520	3802	0.33	610
81	64	10575	8989	0.85	456	10125	8606	0.85	479	9720	8262	0.85	502	9360	7956	0.85	524
81	68	11025	8048	0.73	479	10575	7720	0.73	507	10260	7490	0.73	519	9900	7227	0.73	542
81	72	11475	7000	0.61	496	11070	6753	0.61	527	10800	6588	0.61	542	10350	6314	0.61	564
81	75	12060	5909	0.49	519	11610	5689	0.49	547	11340	5557	0.49	564	10980	5380	0.49	593
81	79	12420	4595	0.37	547	12060	4462	0.37	576	11880	4396	0.37	593	11520	4262	0.37	610
82	64	10575	9412	0.89	456	10125	9011	0.89	479	9720	8651	0.89	502	9360	8330	0.89	524
82	68	11025	8489	0.77	479	10575	8143	0.77	507	10260	7900	0.77	519	9900	7623	0.77	542
82	72	11475	7459	0.65	496	11070	7196	0.65	527	10800	7020	0.65	542	10350	6728	0.65	564
82	75	12060	6392	0.53	519	11610	6153	0.53	547	11340	6010	0.53	564	10980	5819	0.53	593
82	79	12420	5092	0.41	547	12060	4945	0.41	576	11880	4871	0.41	593	11520	4723	0.41	610
84	64	10575	9835	0.93	456	10125	9416	0.93	479	9720	9040	0.93	502	9360	8705	0.93	524
84	68	11025	8930	0.81	479	10575	8566	0.81	507	10260	8311	0.81	519	9900	8019	0.81	542
84	72	11475	7918	0.69	496	11070	7638	0.69	527	10800	7452	0.69	542	10350	7142	0.69	564
84	75	12060	6874	0.57	519	11610	6618	0.57	547	11340	6464	0.57	564	10980	6259	0.57	593
84	79	12420	5589	0.45	547	12060	5427	0.45	576	11880	5346	0.45	593	11520	5184	0.45	610
86	64	10575	10258	0.97	456	10125	9821	0.97	479	9720	9428	0.97	502	9360	9079	0.97	524
86	68	11025	9371	0.85	479	10575	8989	0.85	507	10260	8721	0.85	519	9900	8415	0.85	542
86	72	11475	8377	0.73	496	11070	8081	0.73	527	10800	7884	0.73	542	10350	7556	0.73	564
86	75	12060	7357	0.61	519	11610	7082	0.61	547	11340	6917	0.61	564	10980	6698	0.61	593
86	79	12420	6086	0.49	547	12060	5909	0.49	576	11880	5821	0.49	593	11520	5645	0.49	610
88	64	10575	10575	1.00	456	10125	10125	1.00	479	9720	9720	1.00	502	9360	9360	1.00	524
88	68	11025	9812	0.89	479	10575	9412	0.89	507	10260	9131	0.89	519	9900	8811	0.89	542
88	72	11475	8836	0.77	496	11070	8524	0.77	527	10800	8316	0.77	542	10350	7970	0.77	564
88	75	12060	7839	0.65	519	11610	7547	0.65	547	11340	7371	0.65	564	10980	7137	0.65	593
88	79	12420	6583	0.53	547	12060	6392	0.53	576	11880	6296	0.53	593	11520	6106	0.53	610
90	64	10575	10575	1.00	456	10125	10125	1.00	479	9720	9720	1.00	502	9360	9360	1.00	524
90	68	11025	10253	0.93	479	10575	9835	0.93	507	10260	9542	0.93	519	9900	9207	0.93	542
90	72	11475	9295	0.81	496	11070	8967	0.81	527	10800	8748	0.81	542	10350	8384	0.81	564
90	75	12060	8321	0.69	519	11610	8011	0.69	547	11340	7825	0.69	564	10980	7576	0.69	593
90	79	12420	7079	0.57	547	12060	6874	0.57	576	11880	6772	0.57	593	11520	6566	0.57	610

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

COOLING CAPACITY

MFZ-KJ09NA: MUFZ-KJ09NAHZ

CAPACITY (Btu/h): 9000 INPUT (W): 570 SHF: 0.79

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	8820	5380	0.61	559	8100	4941	0.61	593	7470	4557	0.61	616
70	68	9270	4542	0.49	581	8640	4234	0.49	610	8010	3925	0.49	644
72	64	8820	5733	0.65	559	8100	5265	0.65	593	7470	4856	0.65	616
72	68	9270	4913	0.53	581	8640	4579	0.53	610	8010	4245	0.53	644
72	72	9810	4022	0.41	604	9180	3764	0.41	638	8550	3506	0.41	661
73	64	8820	6086	0.69	559	8100	5589	0.69	593	7470	5154	0.69	616
73	68	9270	5284	0.57	581	8640	4925	0.57	610	8010	4566	0.57	644
73	72	9810	4415	0.45	604	9180	4131	0.45	638	8550	3848	0.45	661
75	64	8820	6439	0.73	559	8100	5913	0.73	593	7470	5453	0.73	616
75	68	9270	5655	0.61	581	8640	5270	0.61	610	8010	4886	0.61	644
75	72	9810	4807	0.49	604	9180	4498	0.49	638	8550	4190	0.49	661
75	75	10350	3830	0.37	627	9720	3596	0.37	656	9180	3397	0.37	684
77	64	8820	6791	0.77	559	8100	6237	0.77	593	7470	5752	0.77	616
77	68	9270	6026	0.65	581	8640	5616	0.65	610	8010	5207	0.65	644
77	72	9810	5199	0.53	604	9180	4865	0.53	638	8550	4532	0.53	661
77	75	10350	4244	0.41	627	9720	3985	0.41	656	9180	3764	0.41	684
79	64	8820	7144	0.81	559	8100	6561	0.81	593	7470	6051	0.81	616
79	68	9270	6396	0.69	581	8640	5962	0.69	610	8010	5527	0.69	644
79	72	9810	5592	0.57	604	9180	5233	0.57	638	8550	4874	0.57	661
79	75	10350	4658	0.45	627	9720	4374	0.45	656	9180	4131	0.45	684
79	79	10890	3594	0.33	650	10260	3386	0.33	678	9630	3178	0.33	707
81	64	8820	7497	0.85	559	8100	6885	0.85	593	7470	6350	0.85	616
81	68	9270	6767	0.73	581	8640	6307	0.73	610	8010	5847	0.73	644
81	72	9810	5984	0.61	604	9180	5600	0.61	638	8550	5216	0.61	661
81	75	10350	5072	0.49	627	9720	4763	0.49	656	9180	4498	0.49	684
81	79	10890	4029	0.37	650	10260	3796	0.37	678	9630	3563	0.37	707
82	64	8820	7850	0.89	559	8100	7209	0.89	593	7470	6648	0.89	616
82	68	9270	7138	0.77	581	8640	6653	0.77	610	8010	6168	0.77	644
82	72	9810	6377	0.65	604	9180	5967	0.65	638	8550	5558	0.65	661
82	75	10350	5486	0.53	627	9720	5152	0.53	656	9180	4865	0.53	684
82	79	10890	4465	0.41	650	10260	4207	0.41	678	9630	3948	0.41	707
84	64	8820	8203	0.93	559	8100	7533	0.93	593	7470	6947	0.93	616
84	68	9270	7509	0.81	581	8640	6998	0.81	610	8010	6488	0.81	644
84	72	9810	6769	0.69	604	9180	6334	0.69	638	8550	5900	0.69	661
84	75	10350	5900	0.57	627	9720	5540	0.57	656	9180	5233	0.57	684
84	79	10890	4901	0.45	650	10260	4617	0.45	678	9630	4334	0.45	707
86	64	8820	8555	0.97	559	8100	7857	0.97	593	7470	7246	0.97	616
86	68	9270	7880	0.85	581	8640	7344	0.85	610	8010	6809	0.85	644
86	72	9810	7161	0.73	604	9180	6701	0.73	638	8550	6242	0.73	661
86	75	10350	6314	0.61	627	9720	5929	0.61	656	9180	5600	0.61	684
86	79	10890	5336	0.49	650	10260	5027	0.49	678	9630	4719	0.49	707
88	64	8820	8820	1.00	559	8100	8100	1.00	593	7470	7470	1.00	616
88	68	9270	8250	0.89	581	8640	7690	0.89	610	8010	7129	0.89	644
88	72	9810	7554	0.77	604	9180	7069	0.77	638	8550	6584	0.77	661
88	75	10350	6728	0.65	627	9720	6318	0.65	656	9180	5967	0.65	684
88	79	10890	5772	0.53	650	10260	5438	0.53	678	9630	5104	0.53	707
90	64	8820	8820	1.00	559	8100	8100	1.00	593	7470	7470	1.00	616
90	68	9270	8621	0.93	581	8640	8035	0.93	610	8010	7449	0.93	644
90	72	9810	7946	0.81	604	9180	7436	0.81	638	8550	6926	0.81	661
90	75	10350	7142	0.69	627	9720	6707	0.69	656	9180	6334	0.69	684
90	79	10890	6207	0.57	650	10260	5848	0.57	678	9630	5489	0.57	707

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

COOLING CAPACITY

MFZ-KJ12NA: MUFZ-KJ12NAHZ

CAPACITY (Btu/h): 12000 INPUT (W): 890 SHF: 0.70

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	14100	7332	0.52	712	13500	7020	0.52	748	12960	6739	0.52	783	12480	6490	0.52	819
70	68	14700	5880	0.40	748	14100	5640	0.40	792	13680	5472	0.40	810	13200	5280	0.40	846
72	64	14100	7896	0.56	712	13500	7560	0.56	748	12960	7258	0.56	783	12480	6989	0.56	819
72	68	14700	6468	0.44	748	14100	6204	0.44	792	13680	6019	0.44	810	13200	5808	0.44	846
72	72	15300	4896	0.32	774	14760	4723	0.32	823	14400	4608	0.32	846	13800	4416	0.32	881
73	64	14100	8460	0.60	712	13500	8100	0.60	748	12960	7776	0.60	783	12480	7488	0.60	819
73	68	14700	7056	0.48	748	14100	6768	0.48	792	13680	6566	0.48	810	13200	6336	0.48	846
73	72	15300	5508	0.36	774	14760	5314	0.36	823	14400	5184	0.36	846	13800	4968	0.36	881
75	64	14100	9024	0.64	712	13500	8640	0.64	748	12960	8294	0.64	783	12480	7987	0.64	819
75	68	14700	7644	0.52	748	14100	7332	0.52	792	13680	7114	0.52	810	13200	6864	0.52	846
75	72	15300	6120	0.40	774	14760	5904	0.40	823	14400	5760	0.40	846	13800	5520	0.40	881
75	75	16080	4502	0.28	810	15480	4334	0.28	854	15120	4234	0.28	881	14640	4099	0.28	926
77	64	14100	9588	0.68	712	13500	9180	0.68	748	12960	8813	0.68	783	12480	8486	0.68	819
77	68	14700	8232	0.56	748	14100	7896	0.56	792	13680	7661	0.56	810	13200	7392	0.56	846
77	72	15300	6732	0.44	774	14760	6494	0.44	823	14400	6336	0.44	846	13800	6072	0.44	881
77	75	16080	5146	0.32	810	15480	4954	0.32	854	15120	4838	0.32	881	14640	4685	0.32	926
79	64	14100	10152	0.72	712	13500	9720	0.72	748	12960	9331	0.72	783	12480	8986	0.72	819
79	68	14700	8820	0.60	748	14100	8460	0.60	792	13680	8208	0.60	810	13200	7920	0.60	846
79	72	15300	7344	0.48	774	14760	7085	0.48	823	14400	6912	0.48	846	13800	6624	0.48	881
79	75	16080	5789	0.36	810	15480	5573	0.36	854	15120	5443	0.36	881	14640	5270	0.36	926
79	79	16560	3974	0.24	854	16080	3859	0.24	899	15840	3802	0.24	926	15360	3686	0.24	952
81	64	14100	10716	0.76	712	13500	10260	0.76	748	12960	9850	0.76	783	12480	9485	0.76	819
81	68	14700	9408	0.64	748	14100	9024	0.64	792	13680	8755	0.64	810	13200	8448	0.64	846
81	72	15300	7956	0.52	774	14760	7675	0.52	823	14400	7488	0.52	846	13800	7176	0.52	881
81	75	16080	6432	0.40	810	15480	6192	0.40	854	15120	6048	0.40	881	14640	5856	0.40	926
81	79	16560	4637	0.28	854	16080	4502	0.28	899	15840	4435	0.28	926	15360	4301	0.28	952
82	64	14100	11280	0.80	712	13500	10800	0.80	748	12960	10368	0.80	783	12480	9984	0.80	819
82	68	14700	9996	0.68	748	14100	9588	0.68	792	13680	9302	0.68	810	13200	8976	0.68	846
82	72	15300	8568	0.56	774	14760	8266	0.56	823	14400	8064	0.56	846	13800	7728	0.56	881
82	75	16080	7075	0.44	810	15480	6811	0.44	854	15120	6653	0.44	881	14640	6442	0.44	926
82	79	16560	5299	0.32	854	16080	5146	0.32	899	15840	5069	0.32	926	15360	4915	0.32	952
84	64	14100	11844	0.84	712	13500	11340	0.84	748	12960	10886	0.84	783	12480	10483	0.84	819
84	68	14700	10584	0.72	748	14100	10152	0.72	792	13680	9850	0.72	810	13200	9504	0.72	846
84	72	15300	9180	0.60	774	14760	8856	0.60	823	14400	8640	0.60	846	13800	8280	0.60	881
84	75	16080	7718	0.48	810	15480	7430	0.48	854	15120	7258	0.48	881	14640	7027	0.48	926
84	79	16560	5962	0.36	854	16080	5789	0.36	899	15840	5702	0.36	926	15360	5530	0.36	952
86	64	14100	12408	0.88	712	13500	11880	0.88	748	12960	11405	0.88	783	12480	10982	0.88	819
86	68	14700	11172	0.76	748	14100	10716	0.76	792	13680	10397	0.76	810	13200	10032	0.76	846
86	72	15300	9792	0.64	774	14760	9446	0.64	823	14400	9216	0.64	846	13800	8832	0.64	881
86	75	16080	8362	0.52	810	15480	8050	0.52	854	15120	7862	0.52	881	14640	7613	0.52	926
86	79	16560	6624	0.40	854	16080	6432	0.40	899	15840	6336	0.40	926	15360	6144	0.40	952
88	64	14100	12972	0.92	712	13500	12420	0.92	748	12960	11923	0.92	783	12480	11482	0.92	819
88	68	14700	11760	0.80	748	14100	11280	0.80	792	13680	10944	0.80	810	13200	10560	0.80	846
88	72	15300	10404	0.68	774	14760	10037	0.68	823	14400	9792	0.68	846	13800	9384	0.68	881
88	75	16080	9005	0.56	810	15480	8669	0.56	854	15120	8467	0.56	881	14640	8198	0.56	926
88	79	16560	7286	0.44	854	16080	7075	0.44	899	15840	6970	0.44	926	15360	6758	0.44	952
90	64	14100	13536	0.96	712	13500	12960	0.96	748	12960	12442	0.96	783	12480	11981	0.96	819
90	68	14700	12348	0.84	748	14100	11844	0.84	792	13680	11491	0.84	810	13200	11088	0.84	846
90	72	15300	11016	0.72	774	14760	10627	0.72	823	14400	10368	0.72	846	13800	9936	0.72	881
90	75	16080	9648	0.60	810	15480	9288	0.60	854	15120	9072	0.60	881	14640	8784	0.60	926
90	79	16560	7949	0.48	854	16080	7718	0.48	899	15840	7603	0.48	926	15360	7373	0.48	952

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

COOLING CAPACITY

MFZ-KJ12NA: MUFZ-KJ12NAHZ

CAPACITY (Btu/h): 12000 INPUT (W): 890 SHF: 0.70

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	11760	6115	0.52	872	10800	5616	0.52	926	9960	5179	0.52	961
70	68	12360	4944	0.40	908	11520	4608	0.40	952	10680	4272	0.40	1006
72	64	11760	6586	0.56	872	10800	6048	0.56	926	9960	5578	0.56	961
72	68	12360	5438	0.44	908	11520	5069	0.44	952	10680	4699	0.44	1006
72	72	13080	4186	0.32	943	12240	3917	0.32	997	11400	3648	0.32	1032
73	64	11760	7056	0.60	872	10800	6480	0.60	926	9960	5976	0.60	961
73	68	12360	5933	0.48	908	11520	5530	0.48	952	10680	5126	0.48	1006
73	72	13080	4709	0.36	943	12240	4406	0.36	997	11400	4104	0.36	1032
75	64	11760	7526	0.64	872	10800	6912	0.64	926	9960	6374	0.64	961
75	68	12360	6427	0.52	908	11520	5990	0.52	952	10680	5554	0.52	1006
75	72	13080	5232	0.40	943	12240	4896	0.40	997	11400	4560	0.40	1032
75	75	13800	3864	0.28	979	12960	3629	0.28	1024	12240	3427	0.28	1068
77	64	11760	7997	0.68	872	10800	7344	0.68	926	9960	6773	0.68	961
77	68	12360	6922	0.56	908	11520	6451	0.56	952	10680	5981	0.56	1006
77	72	13080	5755	0.44	943	12240	5386	0.44	997	11400	5016	0.44	1032
77	75	13800	4416	0.32	979	12960	4147	0.32	1024	12240	3917	0.32	1068
79	64	11760	8467	0.72	872	10800	7776	0.72	926	9960	7171	0.72	961
79	68	12360	7416	0.60	908	11520	6912	0.60	952	10680	6408	0.60	1006
79	72	13080	6278	0.48	943	12240	5875	0.48	997	11400	5472	0.48	1032
79	75	13800	4968	0.36	979	12960	4666	0.36	1024	12240	4406	0.36	1068
79	79	14520	3485	0.24	1015	13680	3283	0.24	1059	12840	3082	0.24	1104
81	64	11760	8938	0.76	872	10800	8208	0.76	926	9960	7570	0.76	961
81	68	12360	7910	0.64	908	11520	7373	0.64	952	10680	6835	0.64	1006
81	72	13080	6802	0.52	943	12240	6365	0.52	997	11400	5928	0.52	1032
81	75	13800	5520	0.40	979	12960	5184	0.40	1024	12240	4896	0.40	1068
81	79	14520	4066	0.28	1015	13680	3830	0.28	1059	12840	3595	0.28	1104
82	64	11760	9408	0.80	872	10800	8640	0.80	926	9960	7968	0.80	961
82	68	12360	8405	0.68	908	11520	7834	0.68	952	10680	7262	0.68	1006
82	72	13080	7325	0.56	943	12240	6854	0.56	997	11400	6384	0.56	1032
82	75	13800	6072	0.44	979	12960	5702	0.44	1024	12240	5386	0.44	1068
82	79	14520	4646	0.32	1015	13680	4378	0.32	1059	12840	4109	0.32	1104
84	64	11760	9878	0.84	872	10800	9072	0.84	926	9960	8366	0.84	961
84	68	12360	8899	0.72	908	11520	8294	0.72	952	10680	7690	0.72	1006
84	72	13080	7848	0.60	943	12240	7344	0.60	997	11400	6840	0.60	1032
84	75	13800	6624	0.48	979	12960	6221	0.48	1024	12240	5875	0.48	1068
84	79	14520	5227	0.36	1015	13680	4925	0.36	1059	12840	4622	0.36	1104
86	64	11760	10349	0.88	872	10800	9504	0.88	926	9960	8765	0.88	961
86	68	12360	9394	0.76	908	11520	8755	0.76	952	10680	8117	0.76	1006
86	72	13080	8371	0.64	943	12240	7834	0.64	997	11400	7296	0.64	1032
86	75	13800	7176	0.52	979	12960	6739	0.52	1024	12240	6365	0.52	1068
86	79	14520	5808	0.40	1015	13680	5472	0.40	1059	12840	5136	0.40	1104
88	64	11760	10819	0.92	872	10800	9936	0.92	926	9960	9163	0.92	961
88	68	12360	9888	0.80	908	11520	9216	0.80	952	10680	8544	0.80	1006
88	72	13080	8894	0.68	943	12240	8323	0.68	997	11400	7752	0.68	1032
88	75	13800	7728	0.56	979	12960	7258	0.56	1024	12240	6854	0.56	1068
88	79	14520	6389	0.44	1015	13680	6019	0.44	1059	12840	5650	0.44	1104
90	64	11760	11290	0.96	872	10800	10368	0.96	926	9960	9562	0.96	961
90	68	12360	10382	0.84	908	11520	9677	0.84	952	10680	8971	0.84	1006
90	72	13080	9418	0.72	943	12240	8813	0.72	997	11400	8208	0.72	1032
90	75	13800	8280	0.60	979	12960	7776	0.60	1024	12240	7344	0.60	1068
90	79	14520	6970	0.48	1015	13680	6566	0.48	1059	12840	6163	0.48	1104

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

COOLING CAPACITY

MFZ-KJ15NA: MUFZ-KJ15NAHZ

CAPACITY (Btu/h): 15000 INPUT (W): 1120 SHF: 0.66

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	17625	8460	0.48	896	16875	8100	0.48	941	16200	7776	0.48	986	15600	7488	0.48	1030
70	68	18375	6615	0.36	941	17625	6345	0.36	997	17100	6156	0.36	1019	16500	5940	0.36	1064
72	64	17625	9165	0.52	896	16875	8775	0.52	941	16200	8424	0.52	986	15600	8112	0.52	1030
72	68	18375	7350	0.40	941	17625	7050	0.40	997	17100	6840	0.40	1019	16500	6600	0.40	1064
72	72	19125	5355	0.28	974	18450	5166	0.28	1036	18000	5040	0.28	1064	17250	4830	0.28	1109
73	64	17625	9870	0.56	896	16875	9450	0.56	941	16200	9072	0.56	986	15600	8736	0.56	1030
73	68	18375	8085	0.44	941	17625	7755	0.44	997	17100	7524	0.44	1019	16500	7260	0.44	1064
73	72	19125	6120	0.32	974	18450	5904	0.32	1036	18000	5760	0.32	1064	17250	5520	0.32	1109
75	64	17625	10575	0.60	896	16875	10125	0.60	941	16200	9720	0.60	986	15600	9360	0.60	1030
75	68	18375	8820	0.48	941	17625	8460	0.48	997	17100	8208	0.48	1019	16500	7920	0.48	1064
75	72	19125	6885	0.36	974	18450	6642	0.36	1036	18000	6480	0.36	1064	17250	6210	0.36	1109
75	75	20100	4824	0.24	1019	19350	4644	0.24	1075	18900	4536	0.24	1109	18300	4392	0.24	1165
77	64	17625	11280	0.64	896	16875	10800	0.64	941	16200	10368	0.64	986	15600	9984	0.64	1030
77	68	18375	9555	0.52	941	17625	9165	0.52	997	17100	8892	0.52	1019	16500	8580	0.52	1064
77	72	19125	7650	0.40	974	18450	7380	0.40	1036	18000	7200	0.40	1064	17250	6900	0.40	1109
77	75	20100	5628	0.28	1019	19350	5418	0.28	1075	18900	5292	0.28	1109	18300	5124	0.28	1165
79	64	17625	11985	0.68	896	16875	11475	0.68	941	16200	11016	0.68	986	15600	10608	0.68	1030
79	68	18375	10290	0.56	941	17625	9870	0.56	997	17100	9576	0.56	1019	16500	9240	0.56	1064
79	72	19125	8415	0.44	974	18450	8118	0.44	1036	18000	7920	0.44	1064	17250	7590	0.44	1109
79	75	20100	6432	0.32	1019	19350	6192	0.32	1075	18900	6048	0.32	1109	18300	5856	0.32	1165
79	79	20700	4140	0.20	1075	20100	4020	0.20	1131	19800	3960	0.20	1165	19200	3840	0.20	1198
81	64	17625	12690	0.72	896	16875	12150	0.72	941	16200	11664	0.72	986	15600	11232	0.72	1030
81	68	18375	11025	0.60	941	17625	10575	0.60	997	17100	10260	0.60	1019	16500	9900	0.60	1064
81	72	19125	9180	0.48	974	18450	8856	0.48	1036	18000	8640	0.48	1064	17250	8280	0.48	1109
81	75	20100	7236	0.36	1019	19350	6966	0.36	1075	18900	6804	0.36	1109	18300	6588	0.36	1165
81	79	20700	4968	0.24	1075	20100	4824	0.24	1131	19800	4752	0.24	1165	19200	4608	0.24	1198
82	64	17625	13395	0.76	896	16875	12825	0.76	941	16200	12312	0.76	986	15600	11856	0.76	1030
82	68	18375	11760	0.64	941	17625	11280	0.64	997	17100	10944	0.64	1019	16500	10560	0.64	1064
82	72	19125	9945	0.52	974	18450	9594	0.52	1036	18000	9360	0.52	1064	17250	8970	0.52	1109
82	75	20100	8040	0.40	1019	19350	7740	0.40	1075	18900	7560	0.40	1109	18300	7320	0.40	1165
82	79	20700	5796	0.28	1075	20100	5628	0.28	1131	19800	5544	0.28	1165	19200	5376	0.28	1198
84	64	17625	14100	0.80	896	16875	13500	0.80	941	16200	12960	0.80	986	15600	12480	0.80	1030
84	68	18375	12495	0.68	941	17625	11985	0.68	997	17100	11628	0.68	1019	16500	11220	0.68	1064
84	72	19125	10710	0.56	974	18450	10332	0.56	1036	18000	10080	0.56	1064	17250	9660	0.56	1109
84	75	20100	8844	0.44	1019	19350	8514	0.44	1075	18900	8316	0.44	1109	18300	8052	0.44	1165
84	79	20700	6624	0.32	1075	20100	6432	0.32	1131	19800	6336	0.32	1165	19200	6144	0.32	1198
86	64	17625	14805	0.84	896	16875	14175	0.84	941	16200	13608	0.84	986	15600	13104	0.84	1030
86	68	18375	13230	0.72	941	17625	12690	0.72	997	17100	12312	0.72	1019	16500	11880	0.72	1064
86	72	19125	11475	0.60	974	18450	11070	0.60	1036	18000	10800	0.60	1064	17250	10350	0.60	1109
86	75	20100	9648	0.48	1019	19350	9288	0.48	1075	18900	9072	0.48	1109	18300	8784	0.48	1165
86	79	20700	7452	0.36	1075	20100	7236	0.36	1131	19800	7128	0.36	1165	19200	6912	0.36	1198
88	64	17625	15510	0.88	896	16875	14850	0.88	941	16200	14256	0.88	986	15600	13728	0.88	1030
88	68	18375	13965	0.76	941	17625	13395	0.76	997	17100	12996	0.76	1019	16500	12540	0.76	1064
88	72	19125	12240	0.64	974	18450	11808	0.64	1036	18000	11520	0.64	1064	17250	11040	0.64	1109
88	75	20100	10452	0.52	1019	19350	10062	0.52	1075	18900	9828	0.52	1109	18300	9516	0.52	1165
88	79	20700	8280	0.40	1075	20100	8040	0.40	1131	19800	7920	0.40	1165	19200	7680	0.40	1198
90	64	17625	16215	0.92	896	16875	15525	0.92	941	16200	14904	0.92	986	15600	14352	0.92	1030
90	68	18375	14700	0.80	941	17625	14100	0.80	997	17100	13680	0.80	1019	16500	13200	0.80	1064
90	72	19125	13005	0.68	974	18450	12546	0.68	1036	18000	12240	0.68	1064	17250	11730	0.68	1109
90	75	20100	11256	0.56	1019	19350	10836	0.56	1075	18900	10584	0.56	1109	18300	10248	0.56	1165
90	79	20700	9108	0.44	1075	20100	8844	0.44	1131	19800	8712	0.44	1165	19200	8448	0.44	1198

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

COOLING CAPACITY

MFZ-KJ15NA: MUFZ-KJ15NAHZ

CAPACITY (Btu/h): 15000 INPUT (W): 1120 SHF: 0.66

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	14700	7056	0.48	1098	13500	6480	0.48	1165	12450	5976	0.48	1210
70	68	15450	5562	0.36	1142	14400	5184	0.36	1198	13350	4806	0.36	1266
72	64	14700	7644	0.52	1098	13500	7020	0.52	1165	12450	6474	0.52	1210
72	68	15450	6180	0.40	1142	14400	5760	0.40	1198	13350	5340	0.40	1266
72	72	16350	4578	0.28	1187	15300	4284	0.28	1254	14250	3990	0.28	1299
73	64	14700	8232	0.56	1098	13500	7560	0.56	1165	12450	6972	0.56	1210
73	68	15450	6798	0.44	1142	14400	6336	0.44	1198	13350	5874	0.44	1266
73	72	16350	5232	0.32	1187	15300	4896	0.32	1254	14250	4560	0.32	1299
75	64	14700	8820	0.60	1098	13500	8100	0.60	1165	12450	7470	0.60	1210
75	68	15450	7416	0.48	1142	14400	6912	0.48	1198	13350	6408	0.48	1266
75	72	16350	5886	0.36	1187	15300	5508	0.36	1254	14250	5130	0.36	1299
75	75	17250	4140	0.24	1232	16200	3888	0.24	1288	15300	3672	0.24	1344
77	64	14700	9408	0.64	1098	13500	8640	0.64	1165	12450	7968	0.64	1210
77	68	15450	8034	0.52	1142	14400	7488	0.52	1198	13350	6942	0.52	1266
77	72	16350	6540	0.40	1187	15300	6120	0.40	1254	14250	5700	0.40	1299
77	75	17250	4830	0.28	1232	16200	4536	0.28	1288	15300	4284	0.28	1344
79	64	14700	9996	0.68	1098	13500	9180	0.68	1165	12450	8466	0.68	1210
79	68	15450	8652	0.56	1142	14400	8064	0.56	1198	13350	7476	0.56	1266
79	72	16350	7194	0.44	1187	15300	6732	0.44	1254	14250	6270	0.44	1299
79	75	17250	5520	0.32	1232	16200	5184	0.32	1288	15300	4896	0.32	1344
79	79	18150	3630	0.20	1277	17100	3420	0.20	1333	16050	3210	0.20	1389
81	64	14700	10584	0.72	1098	13500	9720	0.72	1165	12450	8964	0.72	1210
81	68	15450	9270	0.60	1142	14400	8640	0.60	1198	13350	8010	0.60	1266
81	72	16350	7848	0.48	1187	15300	7344	0.48	1254	14250	6840	0.48	1299
81	75	17250	6210	0.36	1232	16200	5832	0.36	1288	15300	5508	0.36	1344
81	79	18150	4356	0.24	1277	17100	4104	0.24	1333	16050	3852	0.24	1389
82	64	14700	11172	0.76	1098	13500	10260	0.76	1165	12450	9462	0.76	1210
82	68	15450	9888	0.64	1142	14400	9216	0.64	1198	13350	8544	0.64	1266
82	72	16350	8502	0.52	1187	15300	7956	0.52	1254	14250	7410	0.52	1299
82	75	17250	6900	0.40	1232	16200	6480	0.40	1288	15300	6120	0.40	1344
82	79	18150	5082	0.28	1277	17100	4788	0.28	1333	16050	4494	0.28	1389
84	64	14700	11760	0.80	1098	13500	10800	0.80	1165	12450	9960	0.80	1210
84	68	15450	10506	0.68	1142	14400	9792	0.68	1198	13350	9078	0.68	1266
84	72	16350	9156	0.56	1187	15300	8568	0.56	1254	14250	7980	0.56	1299
84	75	17250	7590	0.44	1232	16200	7128	0.44	1288	15300	6732	0.44	1344
84	79	18150	5808	0.32	1277	17100	5472	0.32	1333	16050	5136	0.32	1389
86	64	14700	12348	0.84	1098	13500	11340	0.84	1165	12450	10458	0.84	1210
86	68	15450	11124	0.72	1142	14400	10368	0.72	1198	13350	9612	0.72	1266
86	72	16350	9810	0.60	1187	15300	9180	0.60	1254	14250	8550	0.60	1299
86	75	17250	8280	0.48	1232	16200	7776	0.48	1288	15300	7344	0.48	1344
86	79	18150	6534	0.36	1277	17100	6156	0.36	1333	16050	5778	0.36	1389
88	64	14700	12936	0.88	1098	13500	11880	0.88	1165	12450	10956	0.88	1210
88	68	15450	11742	0.76	1142	14400	10944	0.76	1198	13350	10146	0.76	1266
88	72	16350	10464	0.64	1187	15300	9792	0.64	1254	14250	9120	0.64	1299
88	75	17250	8970	0.52	1232	16200	8424	0.52	1288	15300	7956	0.52	1344
88	79	18150	7260	0.40	1277	17100	6840	0.40	1333	16050	6420	0.40	1389
90	64	14700	13524	0.92	1098	13500	12420	0.92	1165	12450	11454	0.92	1210
90	68	15450	12360	0.80	1142	14400	11520	0.80	1198	13350	10680	0.80	1266
90	72	16350	11118	0.68	1187	15300	10404	0.68	1254	14250	9690	0.68	1299
90	75	17250	9660	0.56	1232	16200	9072	0.56	1288	15300	8568	0.56	1344
90	79	18150	7986	0.44	1277	17100	7524	0.44	1333	16050	7062	0.44	1389

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

COOLING CAPACITY

MFZ-KJ18NA: MUFZ-KJ18NAHZ

CAPACITY (Btu/h): 17000 INPUT (W): 1350 SHF: 0.65

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	19975	9388	0.47	1080	19125	8989	0.47	1134	18360	8629	0.47	1188	17680	8310	0.47	1242
70	68	20825	7289	0.35	1134	19975	6991	0.35	1202	19380	6783	0.35	1229	18700	6545	0.35	1283
72	64	19975	10187	0.51	1080	19125	9754	0.51	1134	18360	9364	0.51	1188	17680	9017	0.51	1242
72	68	20825	8122	0.39	1134	19975	7790	0.39	1202	19380	7558	0.39	1229	18700	7293	0.39	1283
72	72	21675	5852	0.27	1175	20910	5646	0.27	1249	20400	5508	0.27	1283	19550	5279	0.27	1337
73	64	19975	10986	0.55	1080	19125	10519	0.55	1134	18360	10098	0.55	1188	17680	9724	0.55	1242
73	68	20825	8955	0.43	1134	19975	8589	0.43	1202	19380	8333	0.43	1229	18700	8041	0.43	1283
73	72	21675	6719	0.31	1175	20910	6482	0.31	1249	20400	6324	0.31	1283	19550	6061	0.31	1337
75	64	19975	11785	0.59	1080	19125	11284	0.59	1134	18360	10832	0.59	1188	17680	10431	0.59	1242
75	68	20825	9788	0.47	1134	19975	9388	0.47	1202	19380	9109	0.47	1229	18700	8789	0.47	1283
75	72	21675	7586	0.35	1175	20910	7319	0.35	1249	20400	7140	0.35	1283	19550	6843	0.35	1337
75	75	22780	5239	0.23	1229	21930	5044	0.23	1296	21420	4927	0.23	1337	20740	4770	0.23	1404
77	64	19975	12584	0.63	1080	19125	12049	0.63	1134	18360	11567	0.63	1188	17680	11138	0.63	1242
77	68	20825	10621	0.51	1134	19975	10187	0.51	1202	19380	9884	0.51	1229	18700	9537	0.51	1283
77	72	21675	8453	0.39	1175	20910	8155	0.39	1249	20400	7956	0.39	1283	19550	7625	0.39	1337
77	75	22780	6151	0.27	1229	21930	5921	0.27	1296	21420	5783	0.27	1337	20740	5600	0.27	1404
79	64	19975	13383	0.67	1080	19125	12814	0.67	1134	18360	12301	0.67	1188	17680	11846	0.67	1242
79	68	20825	11454	0.55	1134	19975	10986	0.55	1202	19380	10659	0.55	1229	18700	10285	0.55	1283
79	72	21675	9320	0.43	1175	20910	8991	0.43	1249	20400	8772	0.43	1283	19550	8407	0.43	1337
79	75	22780	7062	0.31	1229	21930	6798	0.31	1296	21420	6640	0.31	1337	20740	6429	0.31	1404
79	79	23460	4457	0.19	1296	22780	4328	0.19	1364	22440	4264	0.19	1404	21760	4134	0.19	1445
81	64	19975	14182	0.71	1080	19125	13579	0.71	1134	18360	13036	0.71	1188	17680	12553	0.71	1242
81	68	20825	12287	0.59	1134	19975	11785	0.59	1202	19380	11434	0.59	1229	18700	11033	0.59	1283
81	72	21675	10187	0.47	1175	20910	9828	0.47	1249	20400	9588	0.47	1283	19550	9189	0.47	1337
81	75	22780	7973	0.35	1229	21930	7676	0.35	1296	21420	7497	0.35	1337	20740	7259	0.35	1404
81	79	23460	5396	0.23	1296	22780	5239	0.23	1364	22440	5161	0.23	1404	21760	5005	0.23	1445
82	64	19975	14981	0.75	1080	19125	14344	0.75	1134	18360	13770	0.75	1188	17680	13260	0.75	1242
82	68	20825	13120	0.63	1134	19975	12584	0.63	1202	19380	12209	0.63	1229	18700	11781	0.63	1283
82	72	21675	11054	0.51	1175	20910	10664	0.51	1249	20400	10404	0.51	1283	19550	9971	0.51	1337
82	75	22780	8884	0.39	1229	21930	8553	0.39	1296	21420	8354	0.39	1337	20740	8089	0.39	1404
82	79	23460	6334	0.27	1296	22780	6151	0.27	1364	22440	6059	0.27	1404	21760	5875	0.27	1445
84	64	19975	15780	0.79	1080	19125	15109	0.79	1134	18360	14504	0.79	1188	17680	13967	0.79	1242
84	68	20825	13953	0.67	1134	19975	13383	0.67	1202	19380	12985	0.67	1229	18700	12529	0.67	1283
84	72	21675	11921	0.55	1175	20910	11501	0.55	1249	20400	11220	0.55	1283	19550	10753	0.55	1337
84	75	22780	9795	0.43	1229	21930	9430	0.43	1296	21420	9211	0.43	1337	20740	8918	0.43	1404
84	79	23460	7273	0.31	1296	22780	7062	0.31	1364	22440	6956	0.31	1404	21760	6746	0.31	1445
86	64	19975	16579	0.83	1080	19125	15874	0.83	1134	18360	15239	0.83	1188	17680	14674	0.83	1242
86	68	20825	14786	0.71	1134	19975	14182	0.71	1202	19380	13760	0.71	1229	18700	13277	0.71	1283
86	72	21675	12788	0.59	1175	20910	12337	0.59	1249	20400	12036	0.59	1283	19550	11535	0.59	1337
86	75	22780	10707	0.47	1229	21930	10307	0.47	1296	21420	10067	0.47	1337	20740	9748	0.47	1404
86	79	23460	8211	0.35	1296	22780	7973	0.35	1364	22440	7854	0.35	1404	21760	7616	0.35	1445
88	64	19975	17378	0.87	1080	19125	16639	0.87	1134	18360	15973	0.87	1188	17680	15382	0.87	1242
88	68	20825	15619	0.75	1134	19975	14981	0.75	1202	19380	14535	0.75	1229	18700	14025	0.75	1283
88	72	21675	13655	0.63	1175	20910	13173	0.63	1249	20400	12852	0.63	1283	19550	12317	0.63	1337
88	75	22780	11618	0.51	1229	21930	11184	0.51	1296	21420	10924	0.51	1337	20740	10577	0.51	1404
88	79	23460	9149	0.39	1296	22780	8884	0.39	1364	22440	8752	0.39	1404	21760	8486	0.39	1445
90	64	19975	18177	0.91	1080	19125	17404	0.91	1134	18360	16708	0.91	1188	17680	16089	0.91	1242
90	68	20825	16452	0.79	1134	19975	15780	0.79	1202	19380	15310	0.79	1229	18700	14773	0.79	1283
90	72	21675	14522	0.67	1175	20910	14010	0.67	1249	20400	13668	0.67	1283	19550	13099	0.67	1337
90	75	22780	12529	0.55	1229	21930	12062	0.55	1296	21420	11781	0.55	1337	20740	11407	0.55	1404
90	79	23460	10088	0.43	1296	22780	9795	0.43	1364	22440	9649	0.43	1404	21760	9357	0.43	1445

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

COOLING CAPACITY

MFZ-KJ18NA: MUFZ-KJ18NAHZ

CAPACITY (Btu/h): 17000 INPUT (W): 1350 SHF: 0.65

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	16660	7830	0.47	1323	15300	7191	0.47	1404	14110	6632	0.47	1458
70	68	17510	6129	0.35	1377	16320	5712	0.35	1445	15130	5296	0.35	1526
72	64	16660	8497	0.51	1323	15300	7803	0.51	1404	14110	7196	0.51	1458
72	68	17510	6829	0.39	1377	16320	6365	0.39	1445	15130	5901	0.39	1526
72	72	18530	5003	0.27	1431	17340	4682	0.27	1512	16150	4361	0.27	1566
73	64	16660	9163	0.55	1323	15300	8415	0.55	1404	14110	7761	0.55	1458
73	68	17510	7529	0.43	1377	16320	7018	0.43	1445	15130	6506	0.43	1526
73	72	18530	5744	0.31	1431	17340	5375	0.31	1512	16150	5007	0.31	1566
75	64	16660	9829	0.59	1323	15300	9027	0.59	1404	14110	8325	0.59	1458
75	68	17510	8230	0.47	1377	16320	7670	0.47	1445	15130	7111	0.47	1526
75	72	18530	6486	0.35	1431	17340	6069	0.35	1512	16150	5653	0.35	1566
75	75	19550	4497	0.23	1485	18360	4223	0.23	1553	17340	3988	0.23	1620
77	64	16660	10496	0.63	1323	15300	9639	0.63	1404	14110	8889	0.63	1458
77	68	17510	8930	0.51	1377	16320	8323	0.51	1445	15130	7716	0.51	1526
77	72	18530	7227	0.39	1431	17340	6763	0.39	1512	16150	6299	0.39	1566
77	75	19550	5279	0.27	1485	18360	4957	0.27	1553	17340	4682	0.27	1620
79	64	16660	11162	0.67	1323	15300	10251	0.67	1404	14110	9454	0.67	1458
79	68	17510	9631	0.55	1377	16320	8976	0.55	1445	15130	8322	0.55	1526
79	72	18530	7968	0.43	1431	17340	7456	0.43	1512	16150	6945	0.43	1566
79	75	19550	6061	0.31	1485	18360	5692	0.31	1553	17340	5375	0.31	1620
79	79	20570	3908	0.19	1539	19380	3682	0.19	1607	18190	3456	0.19	1674
81	64	16660	11829	0.71	1323	15300	10863	0.71	1404	14110	10018	0.71	1458
81	68	17510	10331	0.59	1377	16320	9629	0.59	1445	15130	8927	0.59	1526
81	72	18530	8709	0.47	1431	17340	8150	0.47	1512	16150	7591	0.47	1566
81	75	19550	6843	0.35	1485	18360	6426	0.35	1553	17340	6069	0.35	1620
81	79	20570	4731	0.23	1539	19380	4457	0.23	1607	18190	4184	0.23	1674
82	64	16660	12495	0.75	1323	15300	11475	0.75	1404	14110	10583	0.75	1458
82	68	17510	11031	0.63	1377	16320	10282	0.63	1445	15130	9532	0.63	1526
82	72	18530	9450	0.51	1431	17340	8843	0.51	1512	16150	8237	0.51	1566
82	75	19550	7625	0.39	1485	18360	7160	0.39	1553	17340	6763	0.39	1620
82	79	20570	5554	0.27	1539	19380	5233	0.27	1607	18190	4911	0.27	1674
84	64	16660	13161	0.79	1323	15300	12087	0.79	1404	14110	11147	0.79	1458
84	68	17510	11732	0.67	1377	16320	10934	0.67	1445	15130	10137	0.67	1526
84	72	18530	10192	0.55	1431	17340	9537	0.55	1512	16150	8883	0.55	1566
84	75	19550	8407	0.43	1485	18360	7895	0.43	1553	17340	7456	0.43	1620
84	79	20570	6377	0.31	1539	19380	6008	0.31	1607	18190	5639	0.31	1674
86	64	16660	13828	0.83	1323	15300	12699	0.83	1404	14110	11711	0.83	1458
86	68	17510	12432	0.71	1377	16320	11587	0.71	1445	15130	10742	0.71	1526
86	72	18530	10933	0.59	1431	17340	10231	0.59	1512	16150	9529	0.59	1566
86	75	19550	9189	0.47	1485	18360	8629	0.47	1553	17340	8150	0.47	1620
86	79	20570	7200	0.35	1539	19380	6783	0.35	1607	18190	6367	0.35	1674
88	64	16660	14494	0.87	1323	15300	13311	0.87	1404	14110	12276	0.87	1458
88	68	17510	13133	0.75	1377	16320	12240	0.75	1445	15130	11348	0.75	1526
88	72	18530	11674	0.63	1431	17340	10924	0.63	1512	16150	10175	0.63	1566
88	75	19550	9971	0.51	1485	18360	9364	0.51	1553	17340	8843	0.51	1620
88	79	20570	8022	0.39	1539	19380	7558	0.39	1607	18190	7094	0.39	1674
90	64	16660	15161	0.91	1323	15300	13923	0.91	1404	14110	12840	0.91	1458
90	68	17510	13833	0.79	1377	16320	12893	0.79	1445	15130	11953	0.79	1526
90	72	18530	12415	0.67	1431	17340	11618	0.67	1512	16150	10821	0.67	1566
90	75	19550	10753	0.55	1485	18360	10098	0.55	1553	17340	9537	0.55	1620
90	79	20570	8845	0.43	1539	19380	8333	0.43	1607	18190	7822	0.43	1674

NOTE CA: Capacity(Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

1) COOLING CAPACITY

Model	Indoor air IWB (˚F)	Outdoor intake air DB temperature (˚F)														
		75			85			95			105			115		
		TC	SHC	TPC	TC	SHC	TPC	TC	SHC	TPC	TC	SHC	TPC	TC	SHC	TPC
MUFZ-KJ09NAHZ	71	11.0	7.2	0.51	10.3	6.8	0.56	9.7	6.4	0.60	9.0	5.9	0.63	8.3	5.4	0.66
	67	10.4	8.2	0.48	9.7	7.7	0.53	9.0	7.1	0.57	8.4	6.6	0.60	7.7	6.1	0.63
	63	9.8	9.1	0.46	9.1	8.4	0.50	8.5	7.8	0.54	7.7	7.1	0.58	7.0	6.5	0.60
MUFZ-KJ12NAHZ	71	14.7	8.3	0.79	13.7	7.8	0.87	12.9	7.3	0.93	12.0	6.8	0.98	11.0	6.3	1.02
	67	13.9	9.7	0.75	13.0	9.1	0.82	12.0	8.4	0.89	11.2	7.8	0.94	10.3	7.2	0.99
	63	13.1	10.9	0.71	12.1	10.1	0.79	11.3	9.4	0.85	10.3	8.6	0.91	9.4	7.8	0.94
MUFZ-KJ15NAHZ	71	18.4	9.7	1.00	17.2	9.0	1.09	16.1	8.5	1.18	15.0	7.9	1.24	13.8	7.3	1.29
	67	17.4	11.5	0.94	16.2	10.7	1.04	15.0	9.9	1.12	14.0	9.2	1.19	12.8	8.5	1.24
	63	16.4	13.0	0.90	15.2	12.0	0.99	14.1	11.2	1.07	12.8	10.2	1.14	11.7	9.3	1.19
MUFZ-KJ18NAHZ	71	20.8	10.8	1.20	19.5	10.1	1.32	18.3	9.4	1.42	17.0	8.8	1.49	15.6	8.1	1.55
	67	19.7	12.8	1.13	18.4	11.9	1.25	17.0	11.1	1.35	15.8	10.3	1.43	14.5	9.4	1.50
	63	18.5	14.5	1.08	17.2	13.4	1.19	16.0	12.5	1.29	14.5	11.4	1.38	13.3	10.4	1.43

NOTE: 1. IWB: Intake air wet-bulb temperature TC: Total Capacity (x10^3 Btu/h)
SHC: Sensible Heat Capacity (x10^3 Btu/h) TPC: Total Power Consumption (kW)
2. SHC is based on 80˚F of indoor Intake air DB temperature.

2) COOLING CAPACITY CORRECTIONS

	Refrigerant piping length (one way: ft.)			
	25 (std.)	40	65	100
MUFZ-KJ09NAHZ MUFZ-KJ12NAHZ	1.0	0.988	0.967	-
MUFZ-KJ15NAHZ MUFZ-KJ18NAHZ	1.0	0.985	0.963	0.933

3) HEATING CAPACITY CORRECTIONS

	Refrigerant piping length (one way: ft.)			
	25 (std.)	40	65	100
MUFZ-KJ09NAHZ MUFZ-KJ12NAHZ	1.0	0.977	0.993	-
MUFZ-KJ15NAHZ MUFZ-KJ18NAHZ	1.0	0.977	0.993	0.987

4) HEATING CAPACITY

Model	Indoor air IDB (˚F)	Outdoor intake air WB temperature (˚F)													
		5		15		25		35		43		45		55	
		TC	TPC	TC	TPC	TC	TPC	TC	TPC	TC	TPC	TC	TPC	TC	TPC
MUFZ-KJ09NAHZ	75	4.8	0.57	6.4	0.69	8.0	0.79	9.5	0.73	10.7	0.77	11.1	0.78	12.5	0.81
	70	5.2	0.55	6.8	0.67	8.3	0.77	9.7	0.71	11.0	0.75	11.3	0.77	12.8	0.80
	65	5.5	0.54	6.9	0.65	8.6	0.75	10.1	0.69	11.3	0.73	11.7	0.74	13.1	0.78
MUFZ-KJ12NAHZ	75	5.7	0.66	7.5	0.80	9.4	0.92	11.2	0.88	12.7	0.92	13.1	0.94	14.8	0.97
	70	6.2	0.64	8.0	0.78	9.8	0.90	11.5	0.86	13.0	0.90	13.4	0.92	15.1	0.95
	65	6.5	0.62	8.2	0.75	10.2	0.87	11.9	0.83	13.4	0.88	13.8	0.89	15.5	0.94
MUFZ-KJ15NAHZ	75	7.9	0.95	10.4	1.17	13.1	1.35	15.6	1.37	17.6	1.45	18.1	1.47	20.5	1.52
	70	8.6	0.92	11.1	1.14	13.5	1.33	15.9	1.34	18.0	1.41	18.5	1.44	21.0	1.49
	65	9.0	0.88	11.3	1.09	14.1	1.28	16.5	1.30	18.5	1.37	19.1	1.40	21.4	1.47
MUFZ-KJ18NAHZ	75	9.2	1.14	12.2	1.41	15.2	1.63	18.2	1.69	20.5	1.77	21.1	1.80	23.9	1.87
	70	10.0	1.10	12.9	1.37	15.8	1.60	18.6	1.64	21.0	1.73	21.6	1.76	24.5	1.83
	65	10.5	1.05	13.2	1.31	16.5	1.55	19.2	1.60	21.6	1.69	22.3	1.71	25.0	1.80

NOTE: 1. IDB: Intake air dry-bulb temperature TC: Total Capacity (x10^3 Btu/h) TPC: Total Power Consumption (kW)
2. Above data is for heating operation without any frost.

How to operate with fixed operational frequency of the compressor.

1. Press the EMERGENCY OPERATION switch on the front of the indoor unit, and select either EMERGENCY COOL mode or EMERGENCY HEAT mode before starting to operate the air conditioner.
2. The compressor starts with operational frequency.
3. The fan speed of the indoor unit is High.
4. This operation continues for 30 minutes.
5. In order to release this operation, press the EMERGENCY OPERATION switch or press any button on the remote controller.

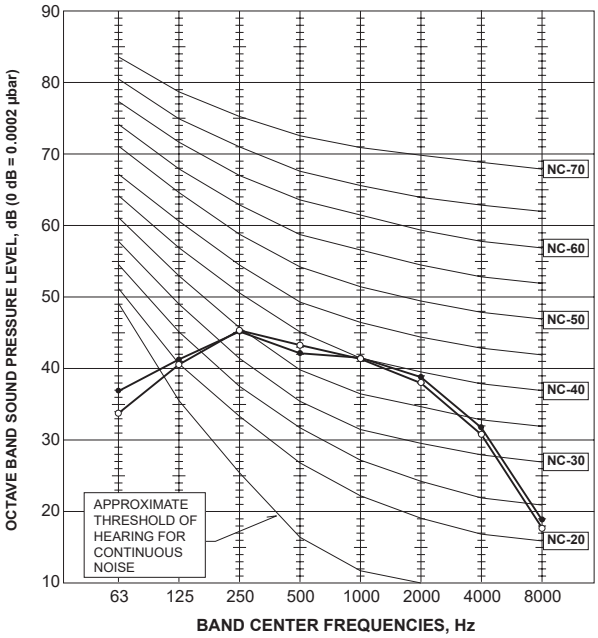
A.2.7 NOISE CRITERIA CURVES

A.2.7.1 Indoor Unit

MFZ-KJ09NA

INDOOR UNIT

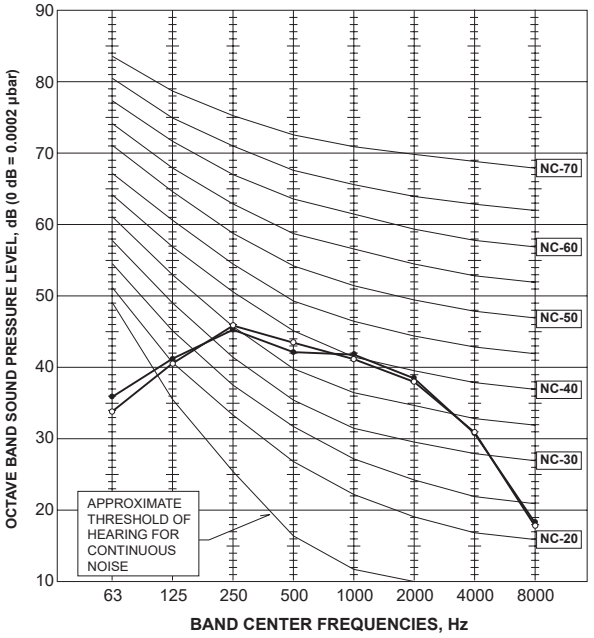
FUNCTION	SPL(dB(A))	LINE
COOLING	46	●—●
HEATING	46	○—○



MFZ-KJ12NA

INDOOR UNIT

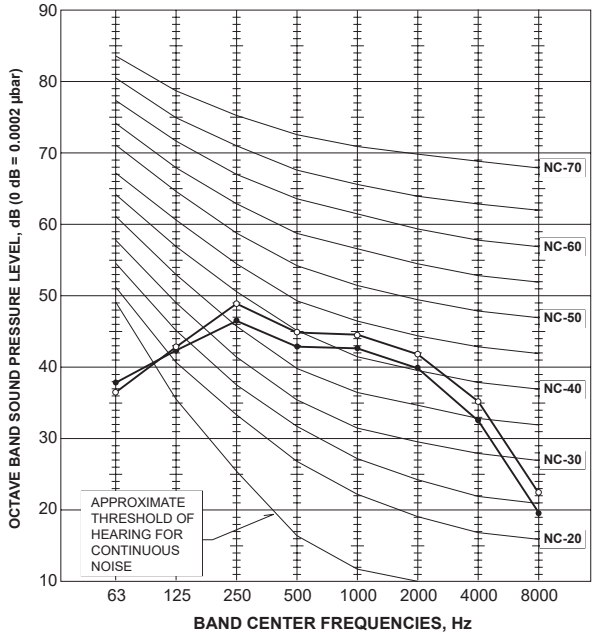
FUNCTION	SPL(dB(A))	LINE
COOLING	46	●—●
HEATING	46	○—○



MFZ-KJ15NA

INDOOR UNIT

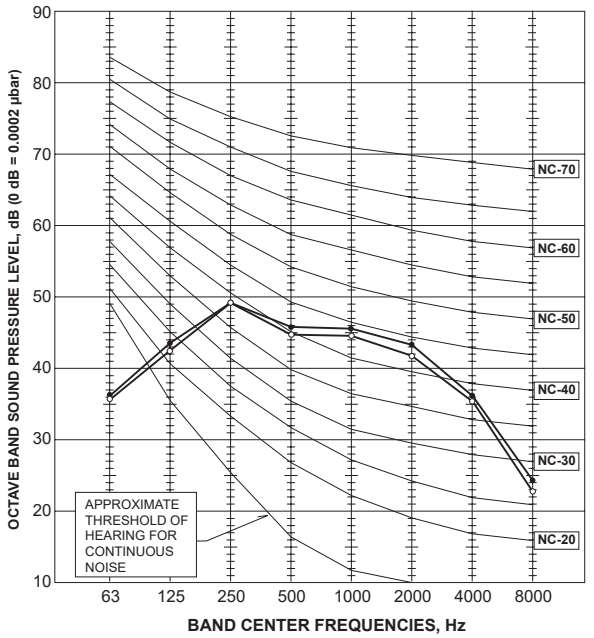
FUNCTION	SPL(dB(A))	LINE
COOLING	47	●—●
HEATING	49	○—○



MFZ-KJ18NA

INDOOR UNIT

FUNCTION	SPL(dB(A))	LINE
COOLING	50	●—●
HEATING	49	○—○

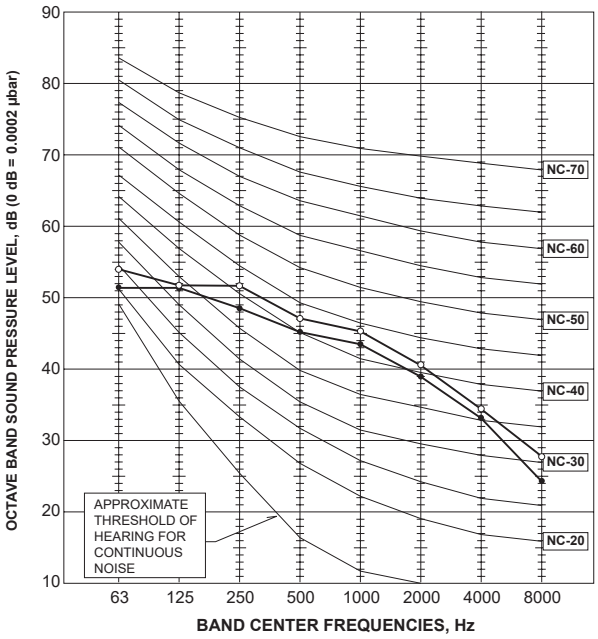


A.2.7.2 Outdoor Unit

MUFZ-KJ09NAHZ

OUTDOOR UNIT

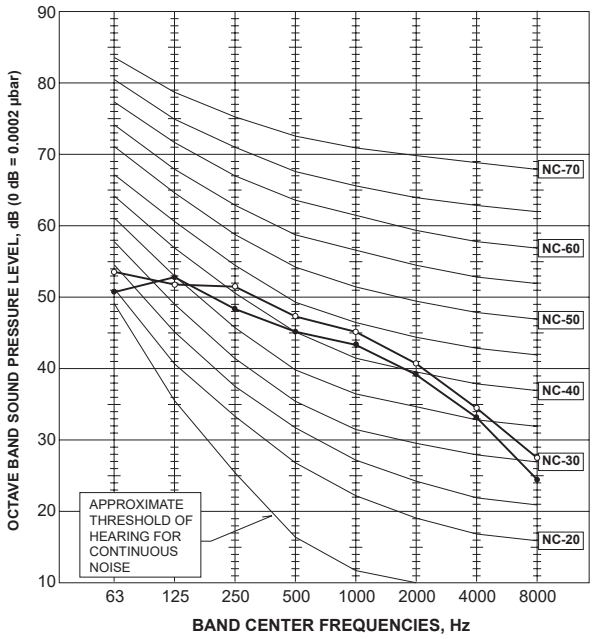
FUNCTION	SPL(dB(A))	LINE
COOLING	48	●—●
HEATING	50	○—○



MUFZ-KJ12NAHZ

OUTDOOR UNIT

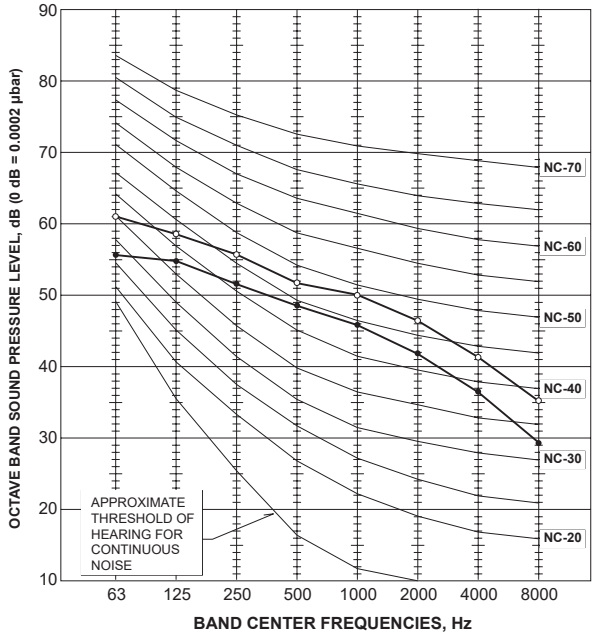
FUNCTION	SPL(dB(A))	LINE
COOLING	48	●—●
HEATING	50	○—○



MUFZ-KJ15NAHZ

OUTDOOR UNIT

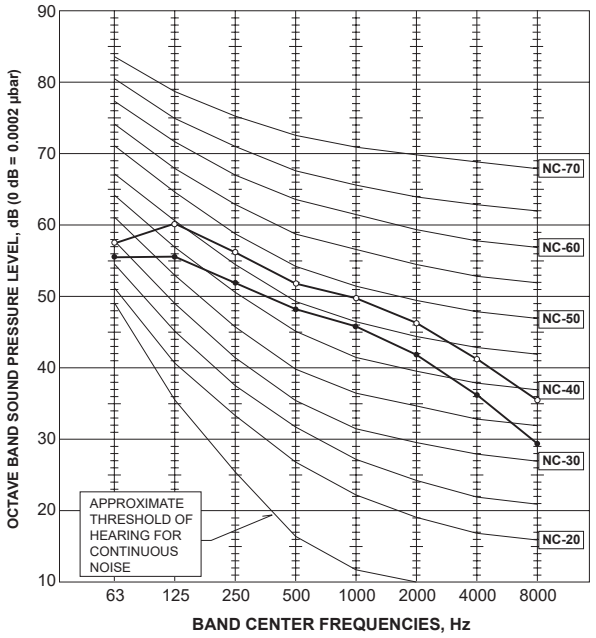
FUNCTION	SPL(dB(A))	LINE
COOLING	51	●—●
HEATING	55	○—○



MUFZ-KJ18NAHZ

OUTDOOR UNIT

FUNCTION	SPL(dB(A))	LINE
COOLING	51	●—●
HEATING	55	○—○

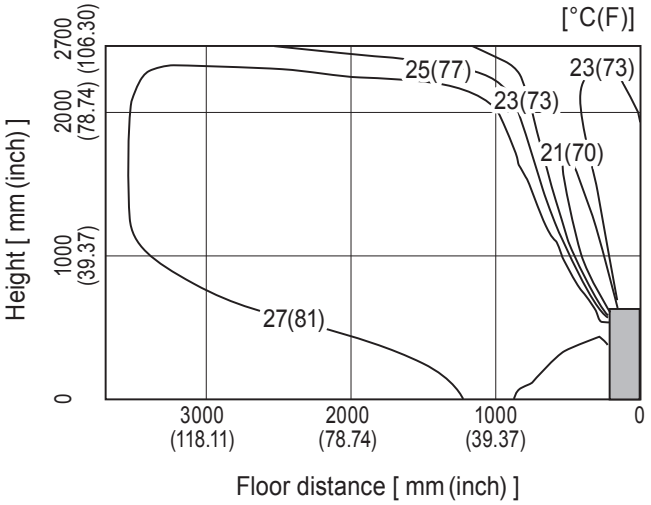


A.2.8 TEMPERATURE AND AIR FLOW DISTRIBUTIONS

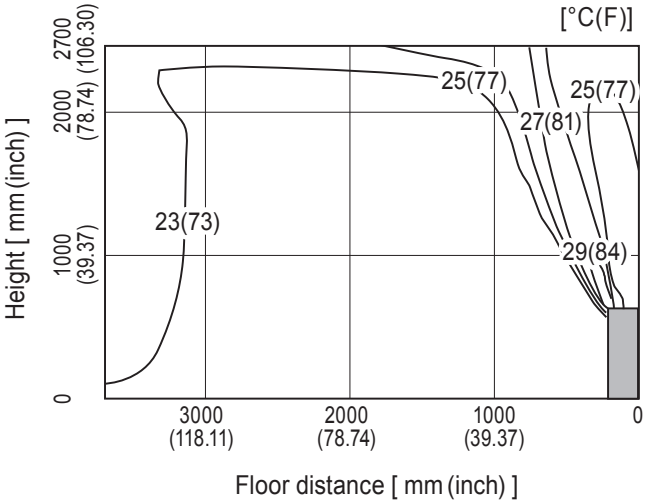
MFZ-KJ09NA Single connection
Standard installation (One-direction air flow)

Temperature distribution

<Cooling mode>
Air volume: super high
Air direction: auto (upward air flow)

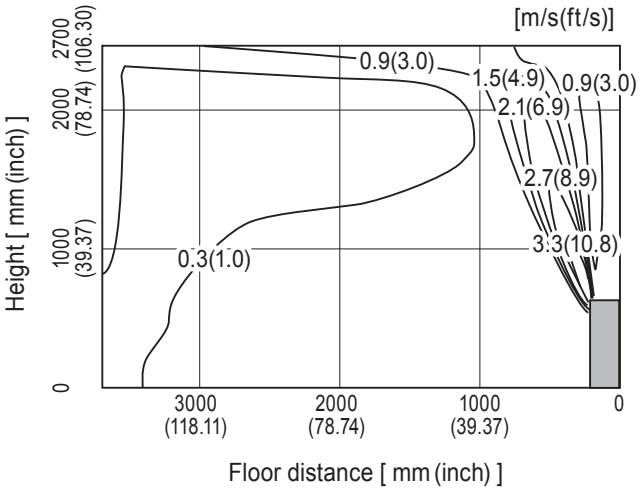


<Heating mode>
Air volume: super high
Air direction: auto (downward air flow)

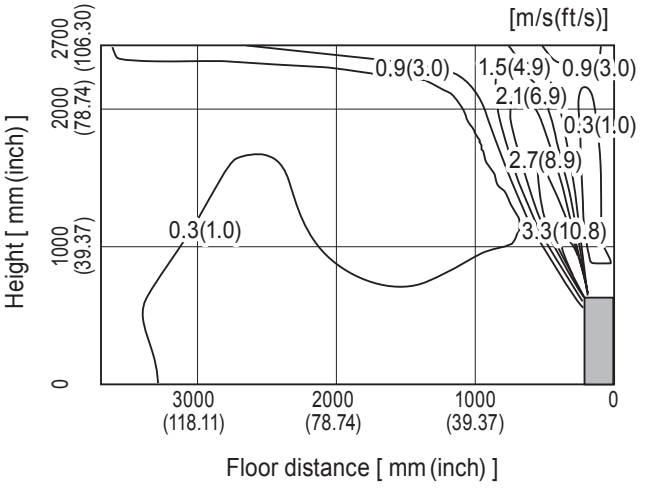


Airflow distribution

<Cooling mode>
Air volume: super high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: super high
Air direction: auto (downward air flow)

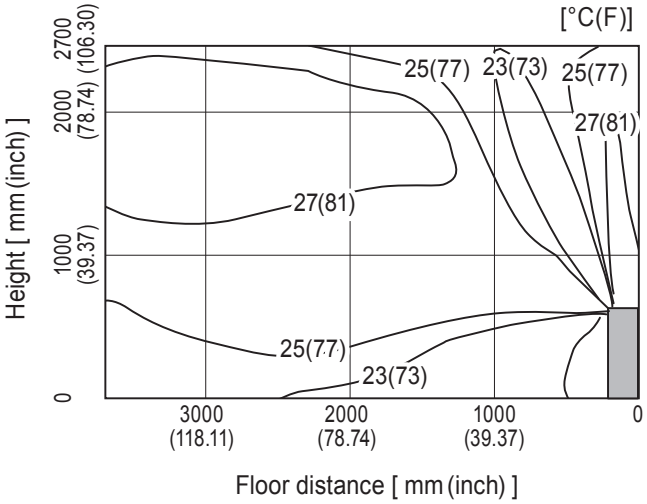


Note: These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

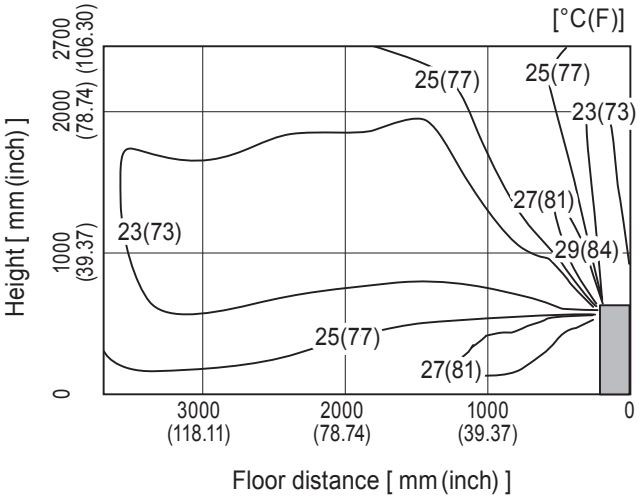
MFZ-KJ09NA Single connection
Standard installation (Two-direction air flow)

Temperature distribution

<Cooling mode>
Air volume: super high
Air direction: auto (upward air flow)

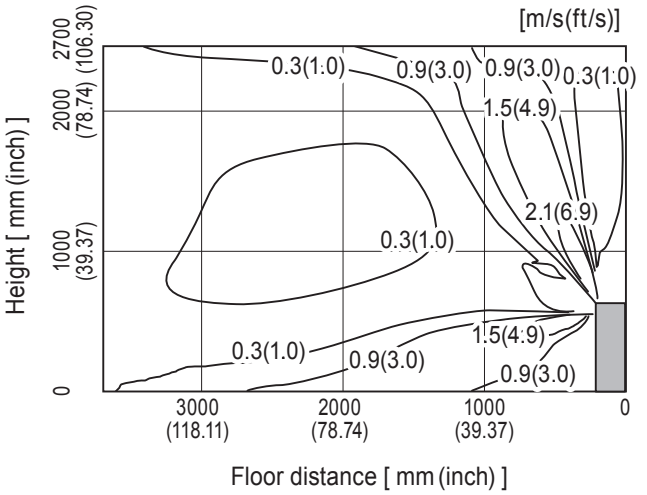


<Heating mode>
Air volume: super high
Air direction: auto (downward air flow)

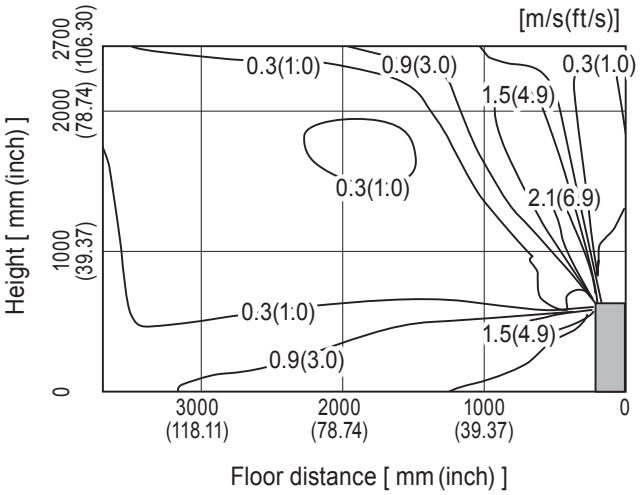


Airflow distribution

<Cooling mode>
Air volume: super high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: super high
Air direction: auto (downward air flow)

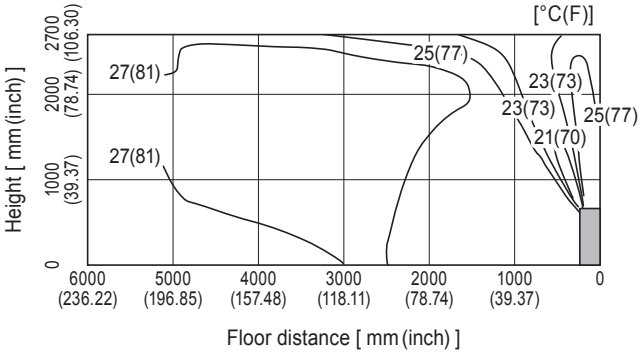


Note: These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

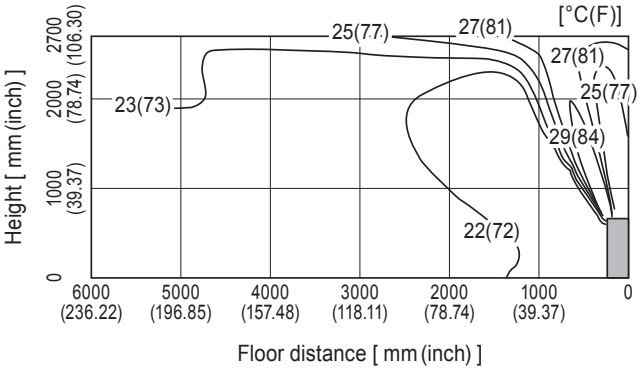
MFZ-KJ12NA Single connection
Standard installation (One-direction air flow)

Temperature distribution

<Cooling mode>
Air volume: super high
Air direction: auto (upward air flow)

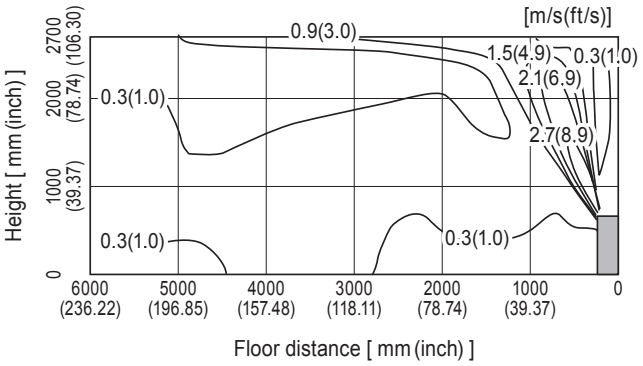


<Heating mode>
Air volume: super high
Air direction: auto (downward air flow)

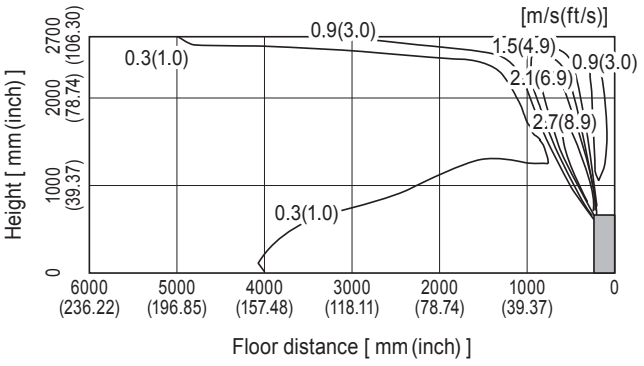


Airflow distribution

<Cooling mode>
Air volume: super high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: super high
Air direction: auto (downward air flow)

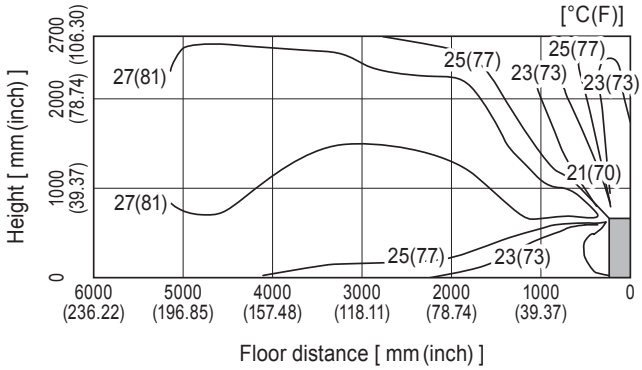


Note: These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

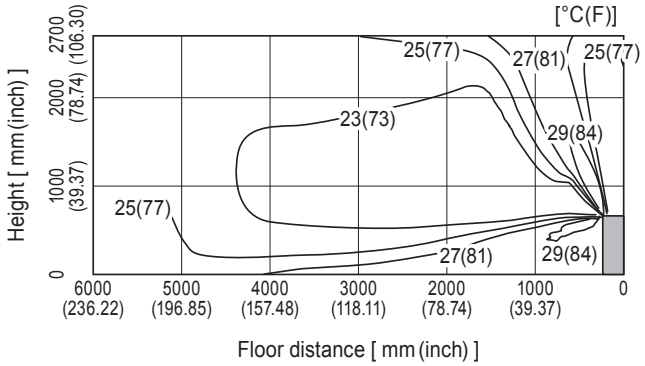
MFZ-KJ12NA Single connection
Standard installation (Two-direction air flow)

Temperature distribution

<Cooling mode>
Air volume: super high
Air direction: auto (upward air flow)

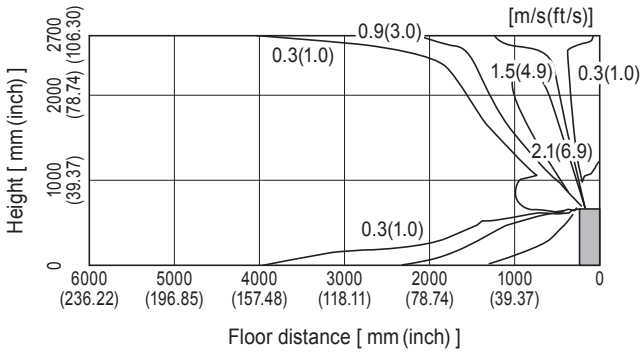


<Heating mode>
Air volume: super high
Air direction: auto (downward air flow)

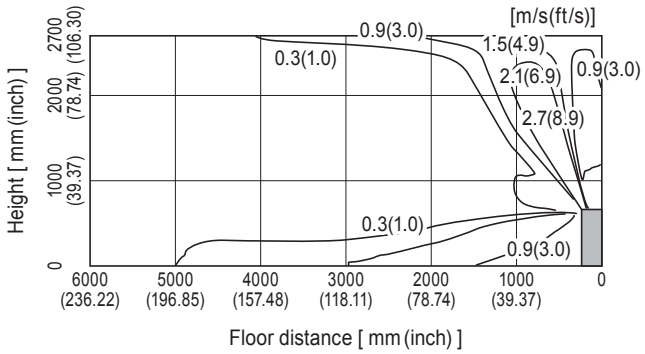


Airflow distribution

<Cooling mode>
Air volume: super high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: super high
Air direction: auto (downward air flow)

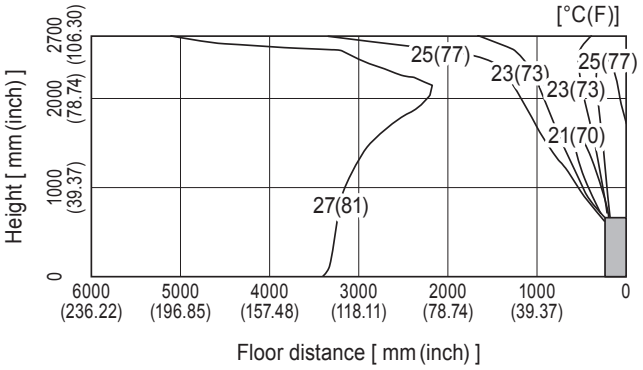


Note: These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

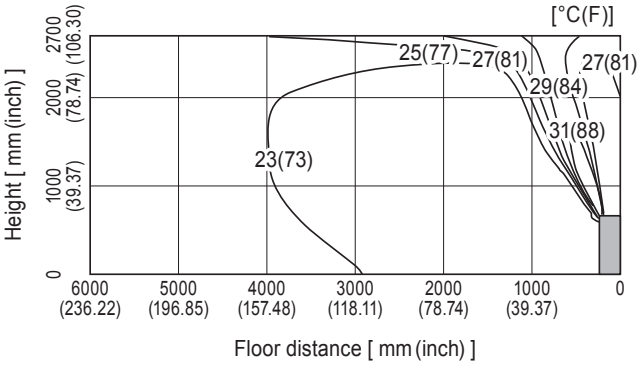
MFZ-KJ15NA Single connection
Standard installation (One-direction air flow)

Temperature distribution

<Cooling mode>
Air volume: super high
Air direction: auto (upward air flow)

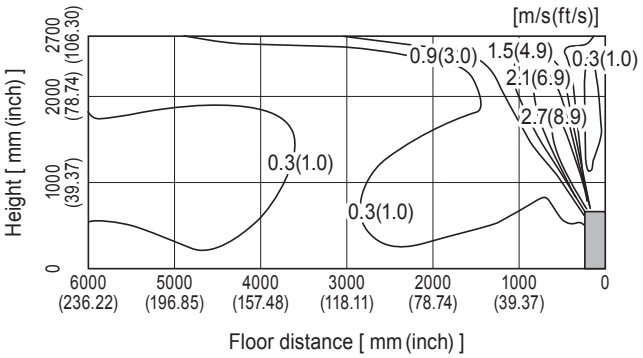


<Heating mode>
Air volume: super high
Air direction: auto (downward air flow)

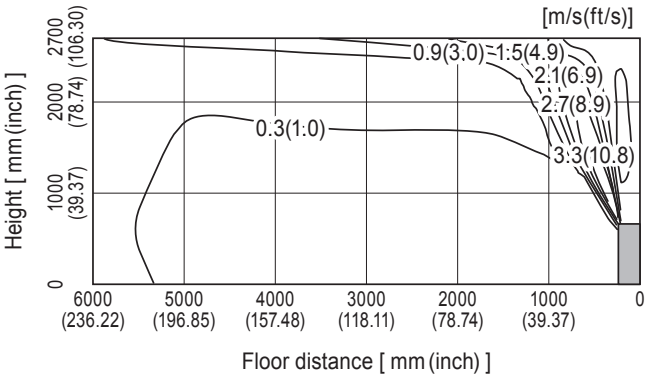


Airflow distribution

<Cooling mode>
Air volume: super high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: super high
Air direction: auto (downward air flow)

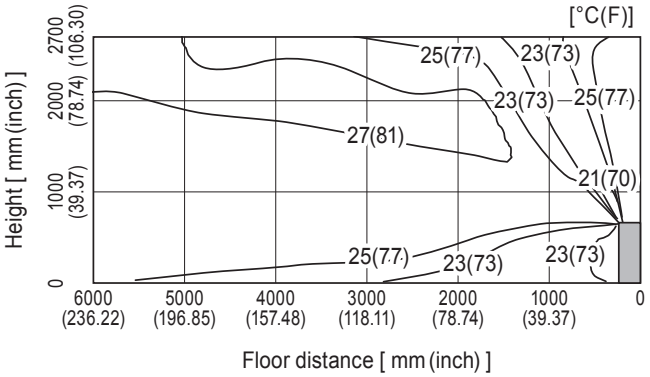


Note: These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

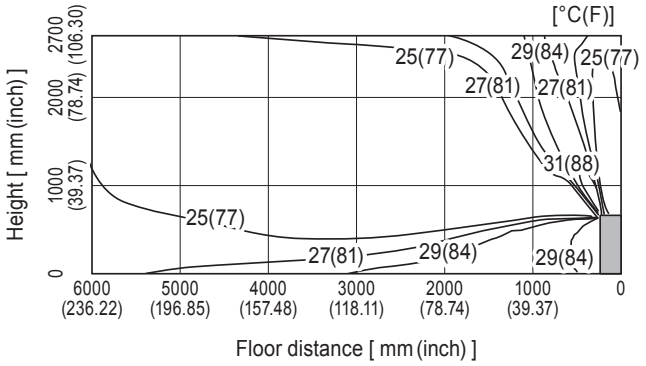
MFZ-KJ15NA Single connection
Standard installation (Two-direction air flow)

Temperature distribution

<Cooling mode>
Air volume: super high
Air direction: auto (upward air flow)

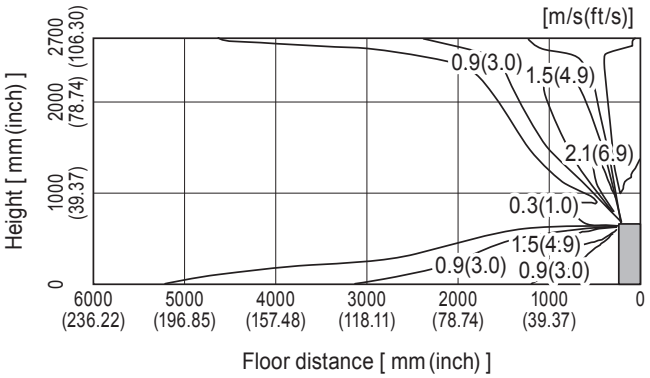


<Heating mode>
Air volume: super high
Air direction: auto (downward air flow)

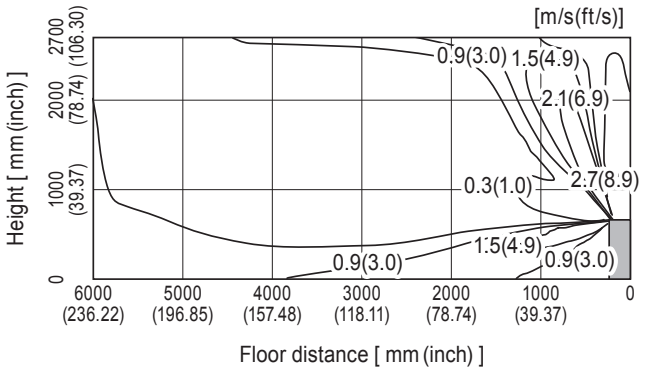


Airflow distribution

<Cooling mode>
Air volume: super high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: super high
Air direction: auto (downward air flow)

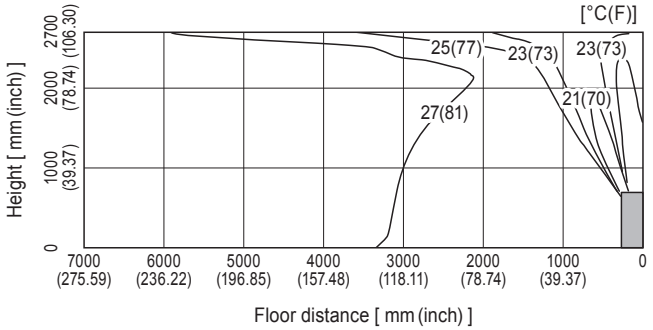


Note: These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

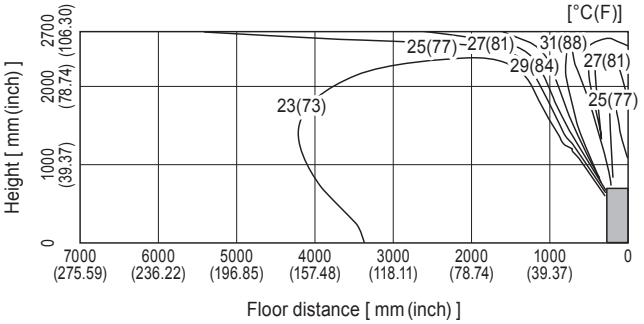
MFZ-KJ18NA Single connection
Standard installation (One-direction air flow)

Temperature distribution

<Cooling mode>
Air volume: super high
Air direction: auto (upward air flow)

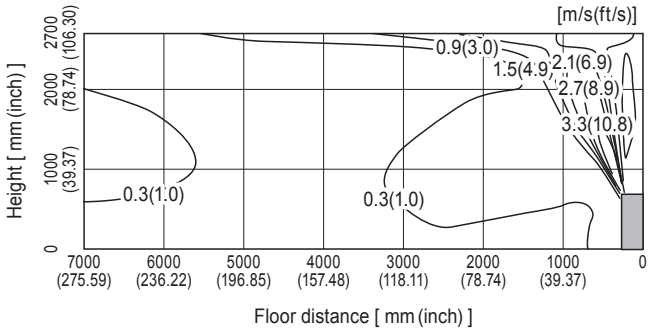


<Heating mode>
Air volume: super high
Air direction: auto (downward air flow)

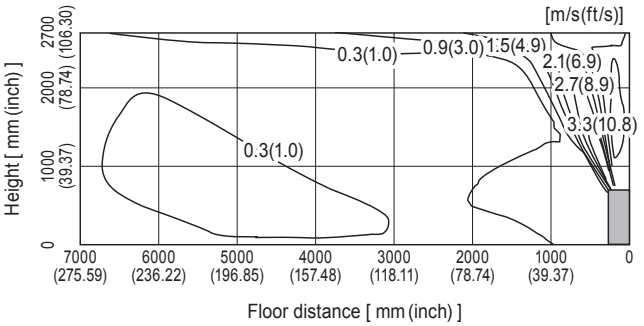


Airflow distribution

<Cooling mode>
Air volume: super high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: super high
Air direction: auto (downward air flow)

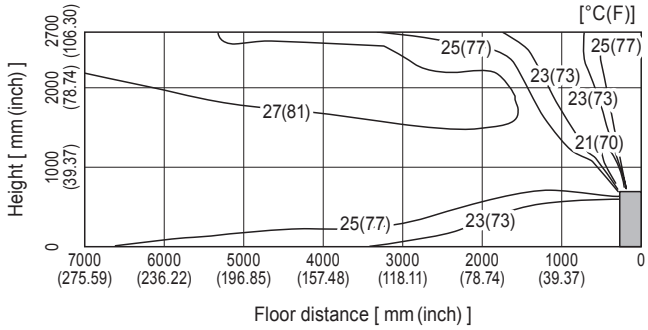


Note: These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

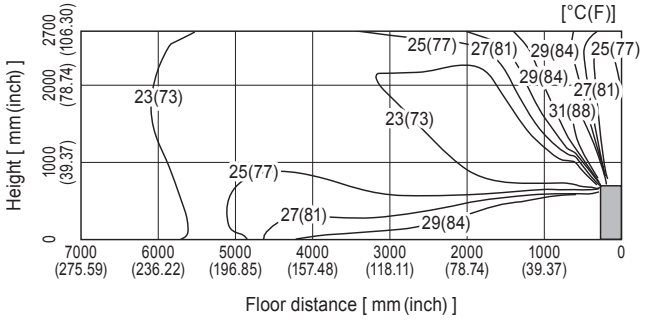
MFZ-KJ18NA Single connection
Standard installation (Two-direction air flow)

Temperature distribution

<Cooling mode>
Air volume: super high
Air direction: auto (upward air flow)

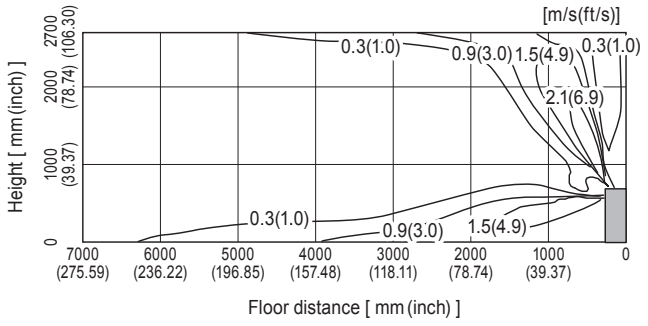


<Heating mode>
Air volume: super high
Air direction: auto (downward air flow)

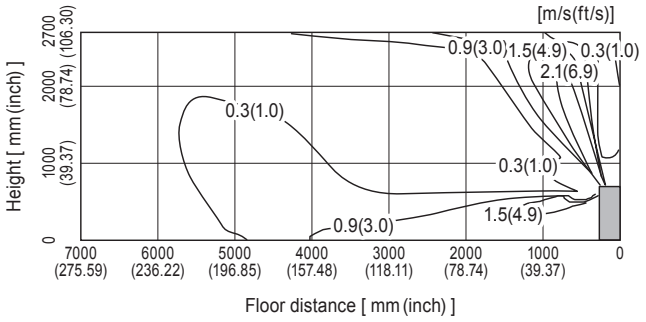


Airflow distribution

<Cooling mode>
Air volume: super high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: super high
Air direction: auto (downward air flow)



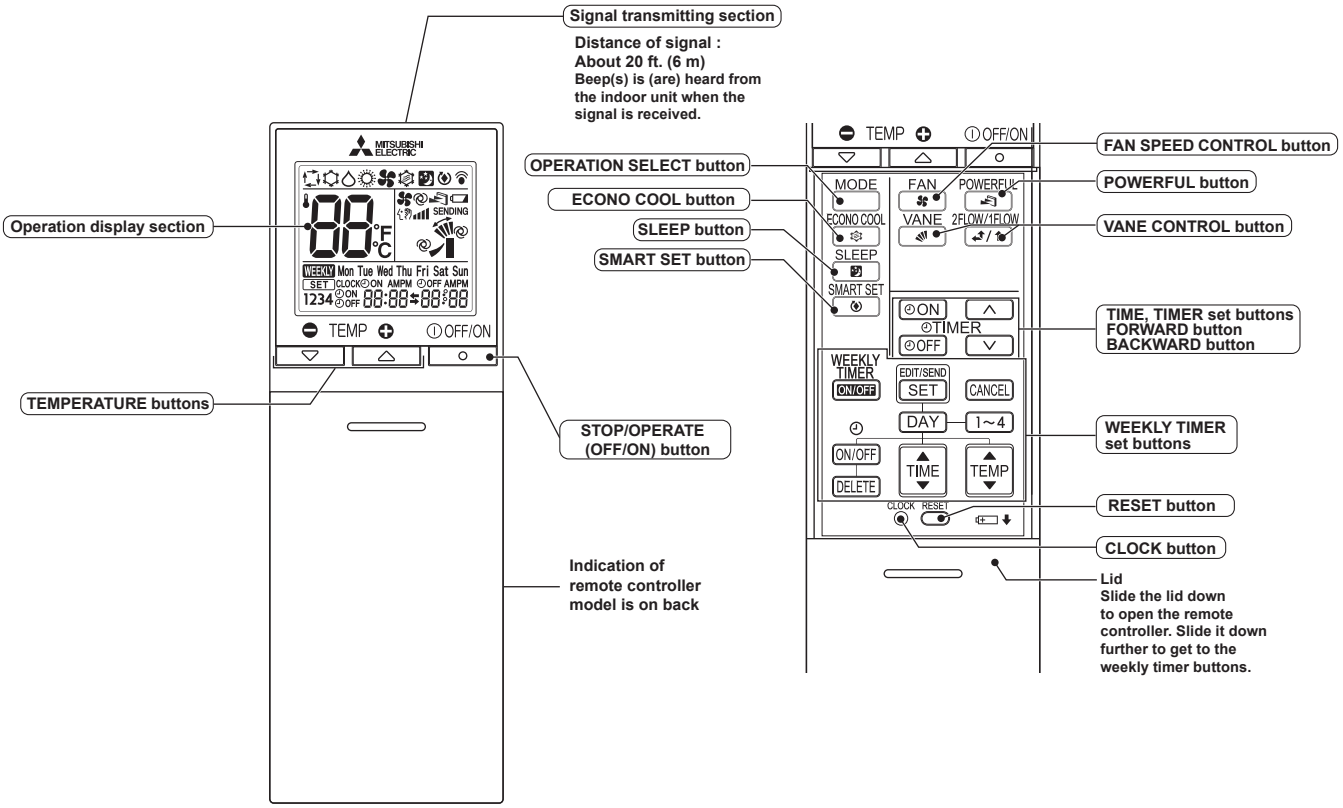
Note: These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

A.2.9 OPERATION AND ACTUATOR CONTROL

A.2.9.1 MFZ-KJ•NA Series

MFZ-KJ09NA MFZ-KJ12NA MFZ-KJ15NA MFZ-KJ18NA

WIRELESS REMOTE CONTROLLER



NOTE: Last setting will be stored after the unit is turned OFF with the remote controller. Indoor unit receives the signal of the remote controller with beeps.

INDOOR UNIT DISPLAY SECTION

Operation Indicator lamp

The operation indicator at the right side of the indoor unit indicates the operation state.

• The following indication applies regardless of shape of the indication.

Indication	Operation state	Room temperature
☀ ☀	The unit is operating to reach the set temperature	About 4 °F (2°C) or more away from set temperature
☀ ○	The room temperature is approaching the set temperature	About 2 to 4 °F (1 to 2°C) from set temperature
☀ ☼	Standby mode (only during multi system operation)	—

☀ Lighted
☼ Blinking
○ Not lighted

a. COOL (☼) OPERATION

(1) Press STOP/OPERATE (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select COOL mode with OPERATION SELECT button.
(3) Press TEMPERATURE buttons TEMP ⊖ or ⊕ button to select the desired temperature. The setting range is 61 - 88°F (16 - 31°C).

1. Coil frost prevention

The compressor operational frequency is controlled by the temperature of the indoor heat exchanger to prevent the coil from frosting.
When the temperature of indoor heat exchanger becomes too low, the coil frost prevention mode works.
The indoor fan operates at the set speed and the compressor stops. This mode continues until the temperature of indoor heat exchanger rises.

2. Low outside temperature operation

When the outside temperature is lower, low outside temperature operation starts, and the outdoor fan slows or stops.

3. Indoor fan speed control

When the thermostat turns OFF, the indoor fan operates at the setting fan speed.

b. DRY (△) OPERATION

(1) Press STOP/OPERATE (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select DRY mode with OPERATION SELECT button.
(3) The set temperature is determined from the initial room temperature.

1. Coil frost prevention

Coil frost prevention works the same way as that in COOL mode. (a.1.)

2. Low outside temperature operation

Low outside temperature operation works the same way as that in COOL mode. (a.2.)

3. Indoor fan speed control

Indoor fan speed control works the same way as that in COOL mode. (a.3.)
However in AUTO setting, the fan speed changes.

c. FAN (✾) OPERATION

(1) Press STOP/OPERATE (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select FAN mode with OPERATION SELECT button.
(3) Select the desired fan speed. When AUTO, it becomes Low.
Only indoor fan operates.
Outdoor unit does not operate.
NOTE: Temperature cannot be set during FAN mode.

d. HEAT (☼) OPERATION

(1) Press STOP/OPERATE (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select HEAT mode with OPERATION SELECT button.
(3) Press TEMPERATURE buttons TEMP ⊖ or ⊕ button to select the desired temperature. The setting range is 61 - 88°F (16 - 31°C).

1. Cold air prevention control

When the compressor is not operating or is starting, and the temperature of indoor heat exchanger and/or the room temperature is low or when defrosting is being done, the indoor fan will stop or rotate in Very Low speed.

2. High pressure protection

The compressor operational frequency is controlled by the temperature of the indoor heat exchanger to prevent the con
When the temperature of indoor heat exchanger becomes too high, the high pressure protection works.
This mode continues until the temperature of indoor heat exchanger falls.

3. Defrosting

Defrosting starts when the temperature of outdoor heat exchanger becomes too low.
The compressor stops once, the indoor/outdoor fans stop, the 4-way valve reverses, and the compressor re-starts.
This mode continues until the temperature of outdoor heat exchanger rises or the fixed time passes.

e. AUTO CHANGE OVER ··· AUTO MODE OPERATION

Once desired temperature is set, unit operation is switched automatically between COOL and HEAT operation.

1. Mode selection

(1) Initial mode

At first indoor unit operates only indoor fan with outdoor unit OFF for 3 minutes to detect present room temperature. Following the conditions below, operation mode is selected.

① If the room temperature thermistor RT11 reads more than set temperature, COOL mode is selected.

② If the room temperature thermistor RT11 reads set temperature or less, HEAT mode is selected.

(2) Mode change

In case of the following conditions the operation mode is changed.

① COOL mode changes to HEAT mode when 15 minutes have passed with the room temperature 4 °F (2 degrees C) below the set temperature.

② HEAT mode changes to COOL mode when 15 minutes have passed with the room temperature 4 °F (2 degrees C) below the set temperature.

In the other cases than the above conditions, the present operation mode is continued.

NOTE 1: Mode selection is performed when multi standby (refer to **NOTE 2**) is released and the unit starts operation with ON-timer.

NOTE 2: If 2 or more indoor units are operating in multi system, there might be a case that the indoor unit, which is operating in AUTO (), cannot change over the other operating mode (COOL ↔ HEAT) and becomes a state of standby.

NOTE 3: At the beginning of AUTO mode, the air flow direction and the fan speed are set to AUTO and the air outlet selection is set to 2 FLOW.

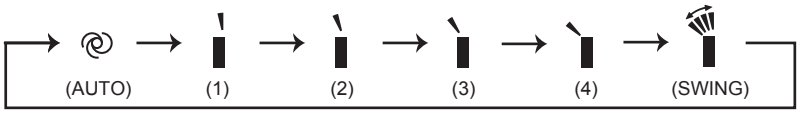
f. AUTO VANE OPERATION

1. Horizontal vane (Horizontal vane/Multi-flow vane)

(1) Vane motor drive

These models are equipped with a stepping motors for the horizontal vanes. The rotating direction, speed, and angle of the motor are controlled by pulse signals (approximately 12 VDC) transmitted from indoor microprocessor.

(2) The horizontal vane angle and mode change as follows by pressing VANE CONTROL (VANE) button.



(3) Positioning

The vane presses the vane stopper once to confirm the standard position and then moves to the set angle. Confirming of standard position is performed in case of follows.

(a) The power supply turns on.
(b) The operation starts or finishes (including timer operation).
(c) The test run starts.
(d) The multi-standby starts or finishes.
(e) Every time the vane has swung more than the specified numbers of times.
(f) The horizontal vane automatically moves in certain intervals to determine its position, and then it returns to set position.
(g) The vane operates for the dew prevention.

(4) Air outlet selection

The air outlet(s) can be selected by pressing to VANE CONTROL (2FLOW/1FLOW) button.

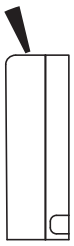
When 2 FLOW is selected, air blows from the top and the front of the unit. When 1 FLOW is selected, air blows only from the top of the unit.

The multi-flow vane is automatically set to the appropriate position.
In HEAT, the multi-flow vane automatically changes its position according to the indoor fan speed.
Even if 2 FLOW is selected, air will blow only from the top of the unit in the following conditions:
• During COOL/DRY: The room temperature is close to set temperature.
The air conditioner has operated for 0.5 to 1 hour.
• During HEAT: The air flow temperature is low. (During defrosting operation, start of operation, etc.)

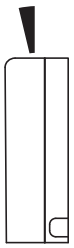
NOTE:
Movement at the start of the 2 FLOW operation
• COOL/DRY, HEAT: It takes 0.5 to 1 minute to start the 2 FLOW operation.
• HEAT: When cold air blows out from the air outlet, the multi-flow vane may stop moving for up to 10 minutes to make and blow out warm air.

(5) VANE AUTO (@) mode
In VANE AUTO mode, the microprocessor automatically determines the horizontal vane angle to make the optimum room temperature distribution.

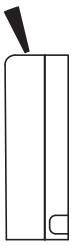
In COOL, DRY and FAN operation
2 FLOW: Vane angle is fixed to position 2.



1 FLOW: Vane angle is fixed to position 1.



In HEAT operation
2 FLOW: Vane angle is fixed to position 2.



1 FLOW: Vane angle is fixed to position 3.

(6) STOP (operation OFF) and ON TIMER standby
In the following cases, the horizontal vane returns to the closed position.
(a) When STOP/OPERATE (OFF/ON) button is pressed (POWER OFF).
(b) When the operation is stopped by the emergency operation.
(c) When ON TIMER is ON standby.

(7) Dew prevention
During COOL or DRY operation with the vane angle at Angle 3 or 4 when the compressor cumulative operation time exceeds 1 hour, the vane angle automatically changes to Angle 1 for dew prevention.

(8) SWING ( ) mode
By selecting SWING mode with VANE CONTROL button, the horizontal vanes swing vertically.
The remote controller displays " ". SWING mode is cancelled when VANE CONTROL button is pressed once again.

(9) Cold air prevention in HEAT operation
The horizontal vane position is set to Upward.

(10) ECONO COOL ( ) operation (ECONOmical operation)
When ECONO COOL button is pressed in COOL mode, set temperature is automatically set 4 °F (2°C) higher by the microprocessor. However, the temperature on the LCD screen on the remote controller is not changed. Also the horizontal vane swings in various cycle.
SWING operation makes you feel cooler than set temperature. So, even though the set temperature is higher, the air conditioner can keep comfort. As a result, energy can be saved.
To cancel this operation, select a different mode or press one of the following buttons in ECONO COOL operation: ECONO COOL, VANE CONTROL, POWERFUL button.

(11) POWERFUL (🖐) operation

The air conditioner automatically adjusts the fan speed and the set temperature, and operates the POWERFUL mode.

The POWERFUL mode is cancelled automatically 15 minutes after operation starts, or when POWERFUL button is pressed once again within 15 minutes after operation starts. The operation mode returns to the mode prior to POWERFUL operation. To cancel this operation manually, select a different mode or press one of the following buttons within 15 minutes after operation starts: STOP/OPERATE (OFF/ON), ECONO COOL, FAN SPEED CONTROL, SLEEP or SMART SET button.

g. TIMER OPERATION

1. How to set the time

(1) Check that the current time is set correctly.

NOTE: Timer operation will not work without setting the current time. Initially "0:00" blinks at the current time display of TIME MONITOR, so set the current time correctly with CLOCK button.

How to set the current time

(a) Press the CLOCK button.

(b) Press the TIME SET buttons (∧ and ∨) to set the current time.

- Each time FORWARD button (∧) is pressed, the set time increases by 1 minute, and each time BACKWARD button (∨) is pressed, the set time decreases by 1 minute.
- Pressing those buttons longer, the set time increases/decreases by 10 minutes.

(c) Press the CLOCK set button.

(2) Press STOP/OPERATE (OFF/ON) button to start the air conditioner.

(3) Set the time of timer.

ON timer setting

(a) Press ON TIMER button(ON) during operation.

(b) Set the time of the timer using TIME SET buttons (∧ and ∨). *

OFF timer setting

(a) Press OFF TIMER button (OFF) during operation.

(b) Set the time of the timer using TIME SET buttons (∧ and ∨). *

* Each time FORWARD button (∧) is pressed, the set time increases by 10 minutes: each time BACKWARD button (∨) is pressed, the set time decreases by 10 minutes.

2. To release the timer

To release ON timer, press ON TIMER button (ON).

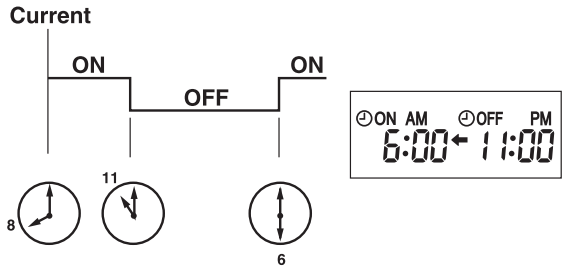
To release OFF timer, press OFF TIMER button(OFF).

TIMER is cancelled and the display of set time disappears.

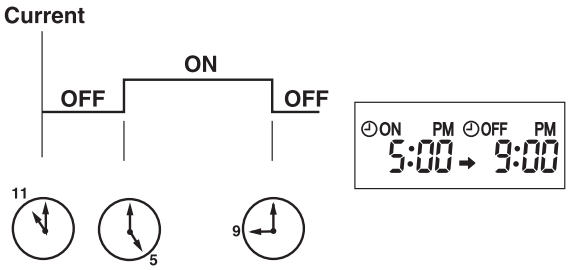
PROGRAM TIMER

- OFF timer and ON timer can be used in combination. The set time that is reached first will operate first.
- " ⬅ " and " ➡ " display shows the order of OFF timer and ON timer operation.

(Example 1) The current time is 8:00 PM.
The unit turns off at 11:00 PM, and on at 6:00 AM.



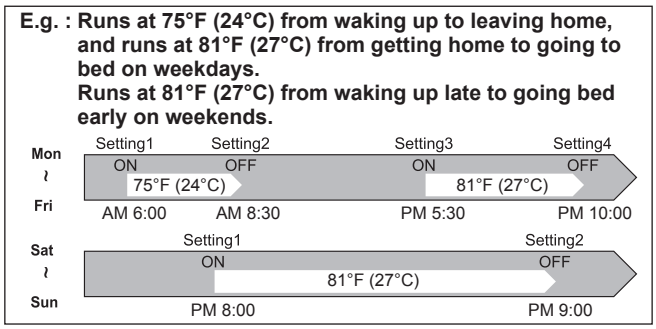
(Example 2) The current time is 11:00 AM.
The unit turns on at 5:00 PM, and off at 9:00 PM.



NOTE: If the main power is turned OFF or a power failure occurs while ON/OFF timer is active, the timer setting is cancelled. As these models are equipped with an auto restart function, the air conditioner starts operating with timer cancelled when power is restored.

h. WEEKLY TIMER OPERATION

- A maximum of 4 ON or OFF timers can be set for individual days of the week.
- A maximum of 28 ON or OFF timers can be set for a week.



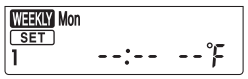
NOTE:

- The simple ON/OFF timer setting is available while the weekly timer is on. In this case, the ON/OFF timer has priority over the weekly timer, the weekly timer operation will start again after the simple ON/OFF timer is complete.
- When the weekly timer is set, temperature cannot be set to 50°F (10°C).
- The weekly timer operation and SMART SET operation cannot be used together.

1. How to set the weekly timer

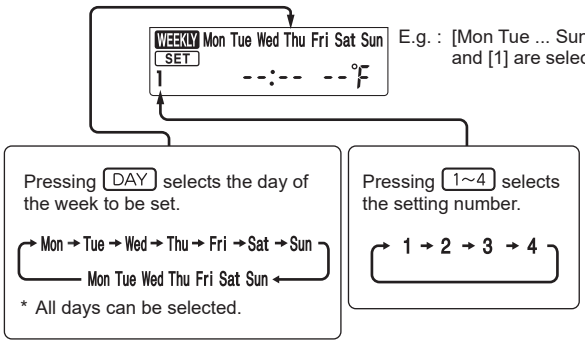
* Make sure that the current time and day are set correctly.

(1) Press [EDIT/SEND SET] button to enter the weekly timer setting mode.

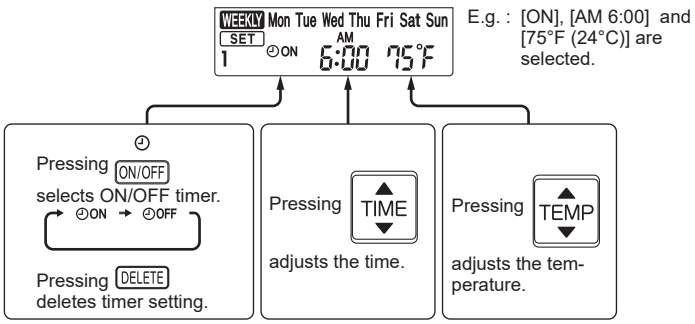


* [SET] blinks.

(2) Press [DAY] and [1~4] buttons to select setting day and number.



(3) Press [ON/OFF], [TIME], and [TEMP] buttons to set ON/OFF, time, and temperature.



* Hold down the button to change the time quickly.

* The temperature can be set between 61°F and 88°F (16°C and 31°C) at weekly timer.

Press [DAY] and [1~4] buttons to continue setting the timer for other days and/or numbers.

(4) Press EDIT/SEND SET button to complete and transmit the weekly timer setting.

* SET which was blinking goes out, and the current time will be displayed.

NOTE:

- Press EDIT/SEND SET button to transmit the setting information of weekly timer to the indoor unit. Point the remote controller toward the indoor unit for 3 seconds.
- When setting the timer for more than one day of the week or one number, EDIT/SEND SET button does not have to be pressed per each setting. Press EDIT/SEND SET button once after all the settings are complete. All the weekly timer settings will be saved.
- Press EDIT/SEND SET button to enter the weekly timer setting mode, and press and hold DELETE button for 5 seconds to erase all weekly timer settings. Point the remote controller toward the indoor unit.

(5) Press WEEKLY TIMER ON/OFF button to turn the weekly timer ON. (WEEKLY lights.)

•When the weekly timer is ON, the day of the week whose timer setting is complete, will light.

Press WEEKLY TIMER ON/OFF button again to turn the weekly timer OFF. (WEEKLY goes out.)

NOTE:
The saved settings will not be cleared when the weekly timer is turned OFF.

2. Checking weekly timer setting

(1) Press EDIT/SEND SET button to enter the weekly timer setting mode.
*SET blinks.

(2) Press DAY or 1~4 buttons to view the setting of the particular day or number.

(3) Press CANCEL button to exit the weekly timer setting.

NOTE:
When all days of the week are selected to view the settings and a different setting is included among them, --:-- --°F will be displayed.

i. SLEEP ( ) OPERATION

1. How to set SLEEP operation

(1) Press STOP/OPERATE (OFF/ON) button.

(2) Select COOL, DRY, HEAT or FAN mode.

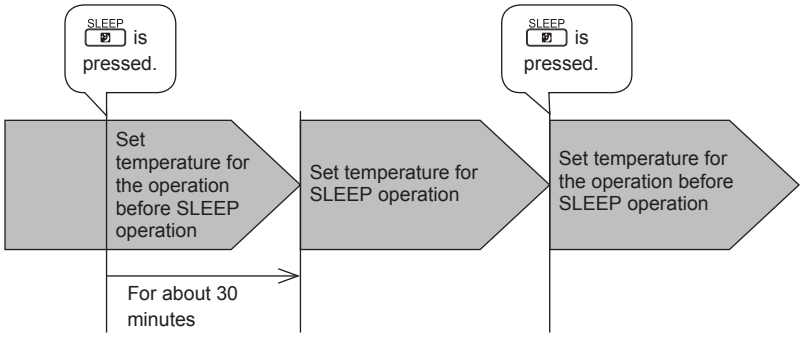
(3) Press SLEEP (SLEEP) button.

(4) PRESS TEMPERATURE buttons [TEMP ⊕ (Increase) and ⊖ TEMP (Decrease)] to set the temperature of SLEEP operation.

Fan speed: AUTO
Horizontal vane: Position set on the remote controller
Operation indicator lamp: Dimly lit

- Once the above procedure is completed, the settings will be saved.
- After the settings are saved, a single push of SLEEP (SLEEP) button during operation activates SLEEP operation with the same settings every time.
- Temperature for SLEEP operation cannot be set during DRY or FAN mode.

Set temperature for SLEEP operation.
For about 30 minutes after SLEEP (SLEEP) button is pressed, the set temperature remains as set for the operation running when the SLEEP button is pressed. It will change to the set temperature for SLEEP operation in about 30 minutes.
Pressing SLEEP (SLEEP) button again returns the operation to the previous settings.



NOTE:
- ON/OFF timer is available during SLEEP operation.
- When a preset ON time for the weekly timer arrives during SLEEP operation, the weekly timer operation has priority. SLEEP operation will be cancelled, and the operation set on the weekly timer will start.

2. How to cancel operation
- Press SLEEP (SLEEP) button again.
- The operation returns to the previous settings.
- SLEEP operation is also cancelled when the FAN button is pressed or the operation mode is changed.

NOTE: SLEEP operation and SMART SET operation cannot be set at same time.

j. SMART SET (♦) OPERATION

1. How to set SMART SET operation

(1) Press STOP/OPERATE (OFF/ON) button.
(2) Select COOL, HEAT or ECONO COOL mode.
(3) Press SMART SET button.
(4) Set the temperature, fan speed, and airflow direction for SMART SET operation.

NOTE:
- SMART SET operation cannot be selected during DRY or AUTO mode operation.
- The setting range of HEAT mode SMART SET operation is 50°F (10°C) and 61 - 88°F (16 - 31°C).
- 2 groups of setting can be saved. (One for COOL/ECONO COOL, one for HEAT)
- SMART SET operation and the weekly timer operation cannot be used together.
- SMART SET operation and SLEEP operation cannot be set at the same time.

2. How to cancel operation
- Press SMART SET button again.
- SMART SET operation can also be cancelled by pressing OPERATION SELECT button to change the operation mode.

The same setting is selected from the next time by simply pressing SMART SET button.

k. EMERGENCY/TEST OPERATION

In the case of test run operation or emergency operation, use EMERGENCY OPERATION switch on the right side of the indoor unit. Emergency operation is available when the remote controller is missing or has failed, or when the batteries in the remote controller are running down. The unit will start and OPERATION INDICATOR lamp will light up. The first 30 minutes of operation is the test run operation. This operation is for servicing. The indoor fan runs at High speed and the temperature control does not work. In COOL/HEAT MODE, the air outlet selection is set to 2 FLOW during the test run operation. However, 2 FLOW operation in HEAT MODE is the same operation as the case that 2 FLOW operation is selection by the remote controler.

After 30 minutes of test run operation, the system shifts to EMERGENCY COOL/HEAT MODE with a set temperature of 75°F (24°C). The fan speed shifts to Medium.

In EMERGENCY COOL/HEAT MODE, the air outlet selection is set to 2 FLOW. 2 FLOW operation is the same operation as the case that 2 FLOW operation is selection by the remote controler.

The coil frost prevention works even in the test run or the emergency operation.

In the test run or emergency operation, the horizontal vane operates in VANE AUTO (@) mode.

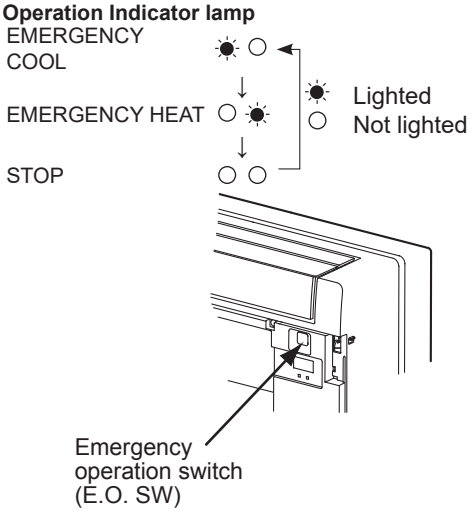
Emergency operation continues until EMERGENCY OPERATION switch is pressed once or twice or the unit receives any signal from the remote controller. In the latter case, normal operation will start.

NOTE: Do not press EMERGENCY OPERATION switch during normal operation.

Operation mode	COOL/HEAT
Set temperature	75°F (24°C)
Fan speed	Medium
Horizontal vane	Auto
Air outlet	2 FLOW

The operation mode is indicated by the Operation Indicator lamp as following

Operation Indicator lamp

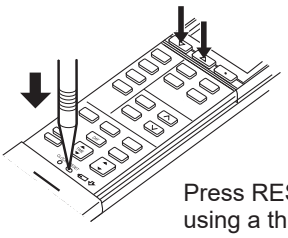


l. 3-MINUTE TIME DELAY OPERATION

When the system turns OFF, compressor will not restart for 3 minutes as 3-minute time delay function operates to protect compressor from overload.

m. Changing temperature indication (°F/°C)

- The preset unit is °F.
- °F → °C: Press RESET button while the TEMPERATURE buttons are pressed.
- °C → °F: Press RESET button while the TEMPERATURE buttons are pressed.

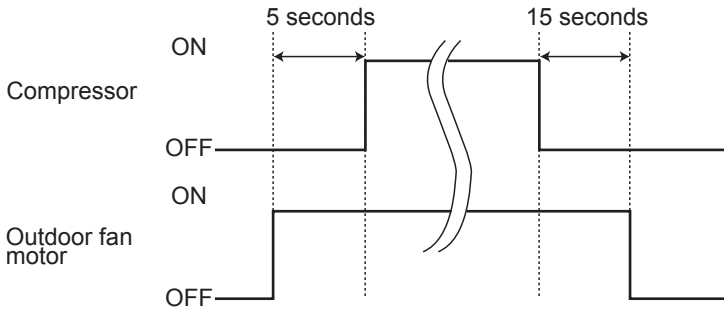


Press RESET button gently using a thin instrument.

n.ACTUATOR CONTROL

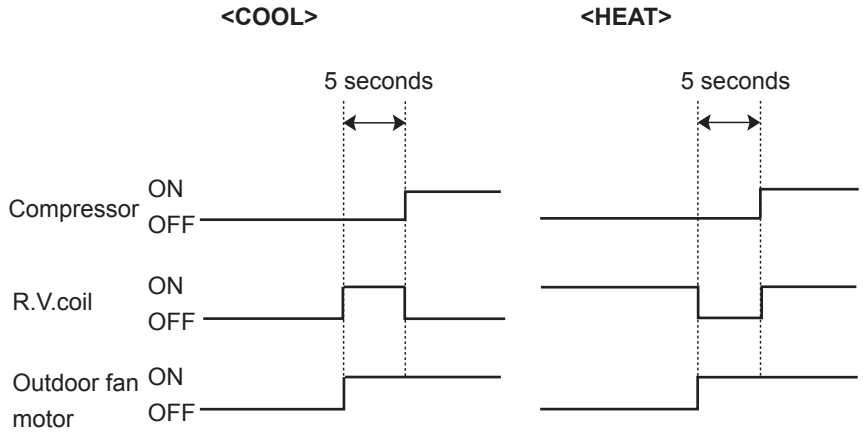
n-1. OUTDOOR FAN MOTOR CONTROL

The fan motor turns ON/OFF, interlocking with the compressor.
[ON] The fan motor turns ON 5 seconds before the compressor starts up.
[OFF] The fan motor turns OFF 15 seconds after the compressor has stopped running.



n-2. R.V. COIL CONTROL

Heating · · · · · · · · · · · · · · · · · · ON
Cooling · · · · · · · · · · · · · · · · · · OFF
Dry · OFF
NOTE: The 4-way valve reverses for 5 seconds right before start-up of the compressor.

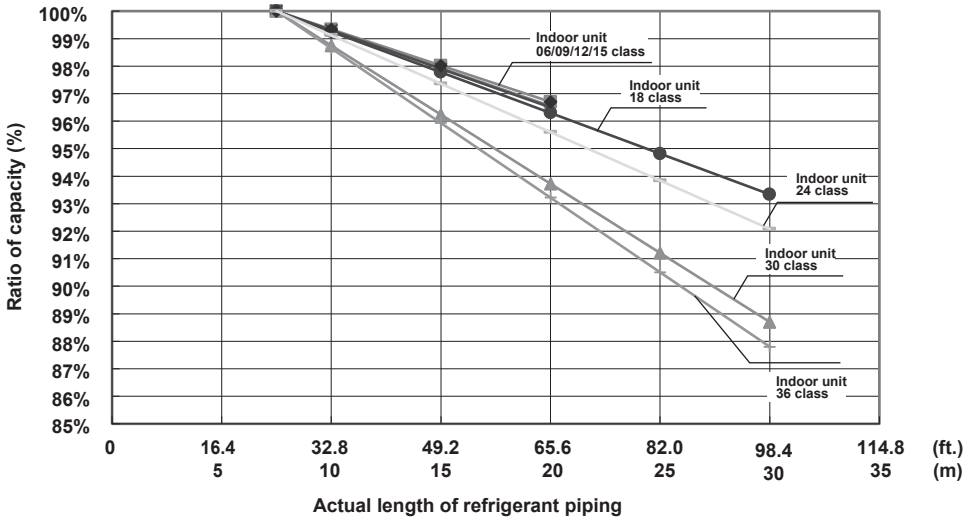


n-3. RELATION BETWEEN MAIN SENSOR AND ACTUATOR

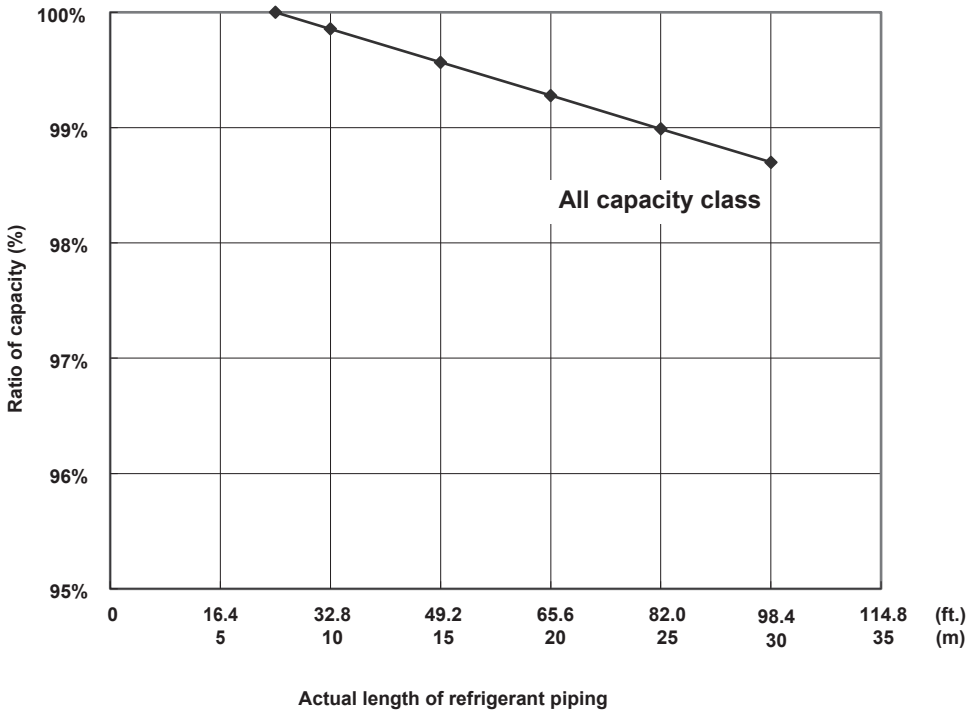
Sensor	Purpose	Actuator					
		Compressor	LEV	Outdoor fan motor	R.V.coil	Indoor fan motor	Defrost heater
Discharge temperature thermistor	Protection	○	○				
Indoor coil temperature thermistor	Cooling: Coil frost prevention	○					
	Heating: High pressure protection	○	○				
Defrost thermistor	Heating: Defrosting	○	○	○	○	○	
Fin temperature thermistor	Protection	○		○			
Ambient temperature thermistor	Cooling: Low ambient temperature operation	○	○	○			
	Heating: Defrosting (Heater)						○
Outdoor heat exchanger temperature thermistor	Cooling: Low ambient temperature operation	○	○	○			
	Cooling: High pressure protection	○	○	○			

A.2.10 CAPACITY CORRECTION RATIO CURVE FOR PIPING LENGTH

Correction ratio of capacity according to the length of piping (cooling)



Correction ratio of capacity according to the length of piping (heating)



The length intended for the capacity calculation, which counts the length of refrigerant piping and the number of bends, is called actual length.

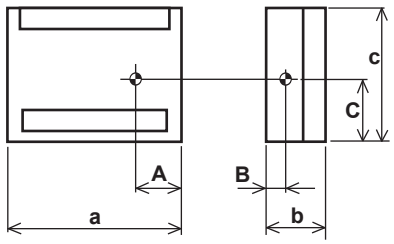
Length of refrigerant piping (ft.) + (Number of bends × 0.984 ft.) = Actual length of refrigerant piping (ft.)
[Length of refrigerant piping (m) + (Number of bends × 0.3 m) = Actual length of refrigerant piping (m)]

A.2.11 POSITION OF THE CENTER OF GRAVITY

A.2.11.1 Indoor Unit

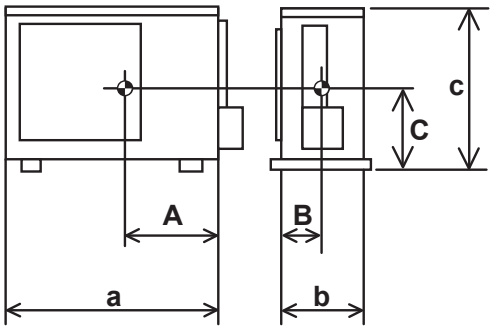
Unit: inch(mm)

Floor standing type



Model name	A	B	C	a	b	c
MFZ-KJ09NA MFZ-KJ12NA MFZ-KJ15NA MFZ-KJ18NA	12-3/4 (324)	4 (102)	13-7/8 (353)	29-17/32 (750)	8-15/32 (215)	23-5/8 (600)

A.2.11.2 Outdoor Unit



Model name	A	B	C	a	b	c
MUFZ-KJ09NAHZ MUFZ-KJ12NAHZ	11-1/16 (280)	5-9/16 (140)	9-1/2 (240)	31-1/2 (800)	11-1/4 (285)	21-5/8 (550)
MUFZ-KJ15NAHZ MUFZ-KJ18NAHZ	12-5/8 (320)	6-7/16 (163)	15-3/4 (400)	33-2/16 (840)	13 (330)	34-11/16 (880)

A.2.12 PART LOAD CAPACITY CHART

MFZ-KJ09NA
MUFZ-KJ09NAHZ
1) COOLING

Rated
Q(Btu/h): 9000
W: 570

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
115	46.1	Q(Btu/h)	14660	9430	11060	7460	3610	2570	11970	7700	9030	6090	2940	2100	13050	8390	9840	6640	3210	2290
		W	1230	560	930	620	330	210	1390	630	1050	700	370	240	1110	500	840	550	290	200
110	43.3	Q(Btu/h)	15310	9850	11610	7660	3960	2570	12500	8040	9480	6250	3230	2100	13620	8760	10330	6810	3520	2290
		W	1200	560	910	610	320	200	1360	620	1030	690	360	230	1090	490	820	550	280	190
105	40.6	Q(Btu/h)	15950	10250	12090	7980	4120	2570	13020	8370	9870	6510	3360	2100	14190	9120	10760	7090	3660	2290
		W	1180	550	900	590	300	190	1330	610	1010	660	340	210	1060	480	810	520	270	170
100	37.8	Q(Btu/h)	16550	10650	12540	8270	4270	2660	13510	8690	10240	6750	3480	2170	14720	9470	11160	7360	3790	2370
		W	1140	530	870	580	300	190	1290	590	980	650	340	210	1030	470	780	520	270	170
95	35.0	Q(Btu/h)	17150	11030	13010	8580	4430	2770	14000	9000	10620	7000	3610	2260	15260	9810	11580	7630	3940	2470
		W	1110	510	840	560	290	190	1250	570	950	630	330	210	1000	450	760	500	260	170
90	32.2	Q(Btu/h)	17830	11470	13520	8920	4610	2880	14560	9360	11040	7280	3760	2350	15870	10200	12040	7930	4100	2560
		W	1070	490	810	520	270	170	1210	550	910	590	300	190	970	440	730	470	240	160
85	29.4	Q(Btu/h)	18520	11910	14040	9270	4790	2990	15120	9720	11460	7570	3910	2440	16480	10600	12490	8250	4260	2660
		W	1030	470	780	520	270	170	1160	530	880	590	300	190	930	420	700	470	240	160
80	26.7	Q(Btu/h)	19200	12350	14550	9590	4950	3100	15680	10080	11880	7830	4040	2530	17090	10990	12950	8530	4410	2760
		W	980	460	750	490	250	150	1110	510	840	550	280	170	890	400	670	440	220	140
75	23.9	Q(Btu/h)	19890	12790	15080	9960	5150	3220	16240	10440	12310	8130	4200	2630	17700	11380	13420	8860	4580	2870
		W	930	430	710	470	250	150	1050	480	800	530	280	170	840	380	640	420	220	140
70	21.1	Q(Btu/h)	17320	11140	13130	8650	4460	2780	14140	9090	10720	7060	3640	2270	15410	9910	11690	7690	3970	2480
		W	800	370	600	390	210	120	900	410	680	440	230	140	720	320	540	350	180	120
65	18.3	Q(Btu/h)	17320	11140	13130	8650	4460	2780	14140	9090	10720	7060	3640	2270	15410	9910	11690	7690	3970	2480
		W	800	370	600	390	210	120	900	410	680	440	230	140	720	320	540	350	180	120
60	15.6	Q(Btu/h)	17320	11140	13130	8650	4460	2780	14140	9090	10720	7060	3640	2270	15410	9910	11690	7690	3970	2480
		W	790	370	590	390	210	120	890	410	670	440	230	140	710	320	530	350	180	120
55	12.8	Q(Btu/h)	17320	11140	13130	8650	4460	2780	14140	9090	10720	7060	3640	2270	15410	9910	11690	7690	3970	2480
		W	790	370	590	390	210	120	890	410	670	440	230	140	710	320	530	350	180	120
50	10.0	Q(Btu/h)	17320	11140	13130	8650	4460	2780	14140	9090	10720	7060	3640	2270	15410	9910	11690	7690	3970	2480
		W	790	370	590	390	210	120	890	410	670	440	230	140	710	320	530	350	180	120
45	7.2	Q(Btu/h)	17320	11140	13130	8650	4460	2780	14140	9090	10720	7060	3640	2270	15410	9910	11690	7690	3970	2480
		W	780	360	580	390	210	120	880	400	660	440	230	140	700	310	520	350	180	120
40	4.4	Q(Btu/h)	17320	11140	13130	8650	4460	2780	14140	9090	10720	7060	3640	2270	15410	9910	11690	7690	3970	2480
		W	780	360	580	390	210	120	880	400	660	440	230	140	700	310	520	350	180	120
35	1.7	Q(Btu/h)	17320	11140	13130	8650	4460	2780	14140	9090	10720	7060	3640	2270	15410	9910	11690	7690	3970	2480
		W	770	360	580	390	210	120	870	400	660	440	230	140	690	310	520	350	180	120
30	-1.1	Q(Btu/h)	17320	11140	13130	8650	4460	2780	14140	9090	10720	7060	3640	2270	15410	9910	11690	7690	3970	2480
		W	770	360	580	390	210	120	870	400	660	440	230	140	690	310	520	350	180	120
25	-3.9	Q(Btu/h)	17320	11140	13130	8650	4460	2780	14140	9090	10720	7060	3640	2270	15410	9910	11690	7690	3970	2480
		W	770	360	580	390	210	120	870	400	660	440	230	140	690	310	520	350	180	120
20	-6.7	Q(Btu/h)	17320	11140	13130	8650	4460	2780	14140	9090	10720	7060	3640	2270	15410	9910	11690	7690	3970	2480
		W	760	350	570	390	210	120	860	390	650	440	230	140	680	300	510	350	180	120
15	-9.4	Q(Btu/h)	17320	11140	13130	8650	4460	2780	14140	9090	10720	7060	3640	2270	15410	9910	11690	7690	3970	2480
		W	760	350	570	390	210	120	860	390	650	440	230	140	680	300	510	350	180	120

* It may not reach the above capacities in low ambient temperatures.

MFZ-KJ09NA
MUFZ-KJ09NAHZ
2) HEATING

Rated
Q(Btu/h): 11000
W: 750

Indoor D.B.			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
75	23.9	Q(Btu/h)	18240	10560	13790	9120	4670	3240	19000	11000	14360	9500	4860	3380	19760	11440	14930	9880	5050	3520
		W	2500	790	1850	1250	630	460	2370	750	1760	1190	600	440	2240	710	1670	1130	570	420
70	21.1	Q(Btu/h)	18270	10580	13810	9140	4670	3250	19000	11000	14360	9500	4860	3380	19730	11420	14910	9860	5050	3510
		W	2500	790	1880	1250	630	460	2370	750	1780	1190	600	440	2240	710	1680	1130	570	420
65	18.3	Q(Btu/h)	18260	10570	13800	9130	4670	3250	19000	11000	14360	9500	4860	3380	19740	11430	14920	9870	5050	3510
		W	2500	790	1880	1250	630	460	2370	750	1780	1190	600	440	2240	710	1680	1130	570	420
60	15.6	Q(Btu/h)	18210	10540	13760	9110	4660	3240	19000	11000	14360	9500	4860	3380	19790	11460	14960	9890	5060	3520
		W	2500	790	1880	1260	620	450	2370	750	1780	1200	590	430	2240	710	1680	1140	560	410
55	12.8	Q(Btu/h)	18150	10510	13720	9080	4640	3230	19000	11000	14360	9500	4860	3380	19850	11490	15000	9920	5080	3530
		W	2500	790	1890	1240	630	440	2370	750	1790	1180	600	420	2240	710	1690	1120	570	400
50	10.0	Q(Btu/h)	18080	10470	13670	9040	4630	3220	19000	11000	14360	9500	4860	3380	19920	11530	15050	9960	5090	3540
		W	2500	790	1890	1240	630	440	2370	750	1790	1180	600	420	2240	710	1690	1120	570	400
47	8.3	Q(Btu/h)	18040	10450	13640	9020	4620	3210	19000	11000	14360	9500	4860	3380	19960	11550	15080	9980	5100	3550
		W	2500	790	1890	1240	630	440	2370	750	1790	1180	600	420	2240	710	1690	1120	570	400
45	7.2	Q(Btu/h)	17920	10370	13390	9060	4520	3150	18900	10940	14120	9550	4770	3320	19880	11510	14850	10040	5020	3490
		W	2500	790	1880	1260	630	440	2370	750	1780	1200	600	420	2240	710	1680	1140	570	400
40	4.4	Q(Btu/h)	13510	7820	10100	6830	3420	2380	14300	8280	10690	7230	3620	2520	15090	8740	11280	7630	3820	2660
		W	2500	790	1880	1260	630	440	2370	750	1780	1200	600	420	2240	710	1680	1140	570	400
35	1.7	Q(Btu/h)	13320	7710	10000	6670	3330	2320	14150	8190	10620	7080	3540	2460	14980	8670	11240	7490	3750	2600
		W	2500	790	1880	1250	630	440	2370	750	1780	1190	600	420	2240	710	1680	1130	570	400
30	-1.1	Q(Btu/h)	13130	7600	9850	6560	3280	2280	14000	8110	10500	7000	3500	2430	14870	8620	11150	7440	3720	2580
		W	2500	790	1880	1250	630	440	2370	750	1780	1190	600	420	2240	710	1680	1130	570	400
25	-3.9	Q(Btu/h)	12880	7460	9700	6500	3180	2210	13800	7990	10390	6970	3410	2370	14720	8520	11080	7440	3640	2530
		W	2500	790	1890	1260	610	420	2370	750	1790	1200	580	400	2240	710	1690	1140	550	380
20	-6.7	Q(Btu/h)	12610	7300	9520	6300	3220	2140	13600	7870	10270	6800	3470	2310	14590	8440	11020	7300	3720	2480
		W	2250	720	1710	1130	580	390	2140	680	1620	1070	550	370	2030	640	1530	1010	520	350
15	-9.4	Q(Btu/h)	11940	6920	9030	5970	3050	2030	13000	7530	9830	6500	3320	2210	14060	8140	10630	7030	3590	2390
		W	1900	600	1430	950	480	330	1800	570	1360	900	460	310	1700	540	1290	850	440	290
10	-12.2	Q(Btu/h)	10880	6300	8220	5440	2780	1850	12000	6950	9060	6000	3060	2040	13120	7600	9900	6560	3340	2230
		W	1710	540	1290	850	430	280	1620	510	1220	810	410	270	1530	480	1150	770	390	260
5	-15.0	Q(Btu/h)	9800	5670	7400	4900	2500	1670	11000	6370	8310	5500	2810	1870	12200	7070	9220	6100	3120	2070
		W	1690	540	1270	840	430	280	1600	510	1210	800	410	270	1510	480	1150	760	390	260
0	-17.8	Q(Btu/h)	8590	4970	6490	4300	2200	1470	9900	5730	7480	4950	2530	1690	11210	6490	8470	5600	2860	1910
		W	1590	510	1210	800	410	270	1510	480	1150	760	390	260	1430	450	1090	720	370	250
-4	-20.0	Q(Btu/h)	7630	4420	5770	3820	1950	1300	9040	5230	6830	4520	2310	1540	10450	6040	7890	5220	2670	1780
		W	1520	480	1150	760	390	260	1440	460	1090	720	370	250	1360	440	1030	680	350	240
-10	-23.3	Q(Btu/h)	6220	3600	4700	3110	1590	1060	7800	4520	5890	3900	1990	1330	9380	5440	7080	4690	2390	1600
		W	1380	430	1030	680	350	230	1310	410	980	650	330	220	1240	390	930	620	310	210
-13	-25.0	Q(Btu/h)	5440	3150	4110	2720	1390	930	7080	4100	5350	3540	1810	1210	8720	5050	6590	4360	2230	1490
		W	1340	420	1010	670	350	230	1270	400	960	640	330	220	1200	380	910	610	310	210

* Above data is for heating operation without any frost.

MFZ-KJ12NA
MUFZ-KJ12NAHZ
1) COOLING

Rated
Q(Btu/h): 12000
W: 890

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
115	46.1	Q(Btu/h)	15720	12570	11860	8000	3860	2420	12830	10260	9680	6530	3150	1980	13990	11180	10550	7110	3440	2160
		W	1360	880	1030	700	340	200	1530	990	1160	780	380	220	1230	790	930	620	300	170
110	43.3	Q(Btu/h)	16410	13120	12360	8320	4030	2520	13390	10710	10090	6790	3290	2060	14600	11670	11000	7400	3590	2240
		W	1330	870	1000	680	330	200	1500	970	1130	760	370	230	1200	780	910	610	290	180
105	40.6	Q(Btu/h)	17090	13670	12870	8680	4200	2620	13950	11160	10510	7080	3430	2140	15210	12160	11460	7710	3740	2330
		W	1300	840	970	660	320	200	1460	940	1100	740	360	230	1170	750	890	590	280	180
100	37.8	Q(Btu/h)	17740	14180	13360	8990	4360	2730	14480	11580	10910	7340	3560	2230	15790	12620	11890	8000	3880	2430
		W	1260	820	950	660	320	200	1420	920	1070	730	360	230	1140	740	860	580	280	180
95	35.0	Q(Btu/h)	18380	14700	13850	9340	4520	2830	15000	12000	11310	7620	3690	2310	16350	13080	12330	8300	4030	2520
		W	1230	800	920	620	290	190	1380	890	1040	690	330	210	1110	710	840	550	260	160
90	32.2	Q(Btu/h)	19110	15290	14410	9700	4700	2940	15600	12480	11760	7920	3840	2400	17010	13600	12820	8630	4190	2610
		W	1180	770	890	620	290	190	1330	860	1000	690	330	210	1070	690	800	550	260	160
85	29.4	Q(Btu/h)	19850	15870	14960	10070	4880	3050	16200	12960	12210	8220	3990	2490	17660	14120	13310	8960	4350	2710
		W	1140	740	850	570	280	170	1280	830	960	640	310	190	1030	660	770	510	240	150
80	26.7	Q(Btu/h)	20580	16460	15520	10450	5070	3170	16800	13440	12670	8530	4140	2590	18320	14650	13810	9290	4520	2820
		W	1080	710	810	570	280	170	1220	790	920	630	310	190	980	630	740	500	240	150
75	23.9	Q(Btu/h)	21320	17050	16060	10820	5240	3280	17400	13920	13110	8830	4280	2680	18970	15170	14290	9620	4670	2920
		W	1030	670	770	530	250	160	1160	750	870	590	280	180	930	600	700	470	220	140
70	21.1	Q(Btu/h)	18620	14890	14040	9460	4580	2860	15200	12160	11460	7720	3740	2340	16570	13250	12490	8410	4080	2550
		W	1010	660	760	520	250	160	1140	740	860	580	280	180	910	590	690	460	220	140
65	18.3	Q(Btu/h)	18620	14890	14040	9460	4580	2860	15200	12160	11460	7720	3740	2340	16570	13250	12490	8410	4080	2550
		W	1010	660	760	520	250	160	1140	740	860	580	280	180	910	590	690	460	220	140
60	15.6	Q(Btu/h)	18620	14890	14040	9460	4580	2860	15200	12160	11460	7720	3740	2340	16570	13250	12490	8410	4080	2550
		W	1020	660	760	520	250	160	1150	740	860	580	280	180	920	590	690	460	220	140
55	12.8	Q(Btu/h)	18620	14890	14040	9460	4580	2860	15200	12160	11460	7720	3740	2340	16570	13250	12490	8410	4080	2550
		W	1020	660	760	520	250	160	1150	740	860	580	280	180	920	590	690	460	220	140
50	10.0	Q(Btu/h)	18620	14890	14040	9460	4580	2860	15200	12160	11460	7720	3740	2340	16570	13250	12490	8410	4080	2550
		W	1030	670	770	530	250	160	1160	750	870	590	280	180	930	600	700	470	220	140
45	7.2	Q(Btu/h)	18620	14890	14040	9460	4580	2860	15200	12160	11460	7720	3740	2340	16570	13250	12490	8410	4080	2550
		W	1030	670	770	530	250	160	1160	750	870	590	280	180	930	600	700	470	220	140
40	4.4	Q(Btu/h)	18620	14890	14040	9460	4580	2860	15200	12160	11460	7720	3740	2340	16570	13250	12490	8410	4080	2550
		W	1040	670	780	530	250	160	1170	750	880	590	280	180	940	600	710	470	220	140
35	1.7	Q(Btu/h)	18620	14890	14040	9460	4580	2860	15200	12160	11460	7720	3740	2340	16570	13250	12490	8410	4080	2550
		W	1040	670	780	530	250	160	1170	750	880	590	280	180	940	600	710	470	220	140
30	-1.1	Q(Btu/h)	18620	14890	14040	9460	4580	2860	15200	12160	11460	7720	3740	2340	16570	13250	12490	8410	4080	2550
		W	1050	680	790	530	250	160	1180	760	890	590	280	180	950	610	720	470	220	140
25	-3.9	Q(Btu/h)	18620	14890	14040	9460	4580	2860	15200	12160	11460	7720	3740	2340	16570	13250	12490	8410	4080	2550
		W	1050	680	790	530	250	160	1180	760	890	590	280	180	950	610	720	470	220	140
20	-6.7	Q(Btu/h)	18620	14890	14040	9460	4580	2860	15200	12160	11460	7720	3740	2340	16570	13250	12490	8410	4080	2550
		W	1050	680	790	530	250	160	1180	760	890	590	280	180	950	610	720	470	220	140
15	-9.4	Q(Btu/h)	18620	14890	14040	9460	4580	2860	15200	12160	11460	7720	3740	2340	16570	13250	12490	8410	4080	2550
		W	1060	690	800	540	260	160	1190	770	900	600	290	180	960	620	730	480	230	140

* It may not reach the above capacities in low ambient temperatures.

MFZ-KJ12NA
MUFZ-KJ12NAHZ
2) HEATING

Rated
Q(Btu/h): 13000
W: 900

Indoor D.B.			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
75	23.9	Q(Btu/h)	21890	12480	16540	10940	5600	3900	22800	13000	17230	11400	5830	4060	23710	13520	17920	11860	6060	4220
		W	2520	950	1880	1260	630	460	2390	900	1780	1200	600	440	2260	850	1680	1140	570	420
70	21.1	Q(Btu/h)	21930	12500	16570	10960	5610	3900	22800	13000	17230	11400	5830	4060	23670	13500	17890	11840	6050	4220
		W	2520	950	1900	1260	630	460	2390	900	1800	1200	600	440	2260	850	1700	1140	570	420
65	18.3	Q(Btu/h)	21910	12490	16560	10950	5600	3900	22800	13000	17230	11400	5830	4060	23690	13510	17900	11850	6060	4220
		W	2520	950	1900	1260	630	460	2390	900	1800	1200	600	440	2260	850	1700	1140	570	420
60	15.6	Q(Btu/h)	21850	12460	16520	10930	5590	3890	22800	13000	17230	11400	5830	4060	23750	13540	17940	11870	6070	4230
		W	2520	950	1900	1270	620	450	2390	900	1800	1210	590	430	2260	850	1700	1150	560	410
55	12.8	Q(Btu/h)	21780	12420	16460	10890	5570	3880	22800	13000	17230	11400	5830	4060	23820	13580	18000	11910	6090	4240
		W	2520	950	1900	1250	640	440	2390	900	1800	1190	610	420	2260	850	1700	1130	580	400
50	10.0	Q(Btu/h)	21700	12370	16400	10850	5550	3860	22800	13000	17230	11400	5830	4060	23900	13630	18060	11950	6110	4260
		W	2520	950	1900	1250	640	440	2390	900	1800	1190	610	420	2260	850	1700	1130	580	400
47	8.3	Q(Btu/h)	21650	12350	16360	10830	5540	3860	22800	13000	17230	11400	5830	4060	23950	13650	18100	11970	6120	4260
		W	2520	950	1900	1250	640	440	2390	900	1800	1190	610	420	2260	850	1700	1130	580	400
45	7.2	Q(Btu/h)	20860	11890	15590	10550	5270	3670	22000	12540	16440	11120	5560	3870	23140	13190	17290	11690	5850	4070
		W	2520	950	1880	1260	630	440	2390	900	1780	1200	600	420	2260	850	1680	1140	570	400
40	4.4	Q(Btu/h)	14270	8140	10670	7220	3610	2510	15100	8610	11290	7640	3820	2660	15930	9080	11910	8060	4030	2810
		W	2520	950	1880	1260	630	440	2390	900	1780	1200	600	420	2260	850	1680	1140	570	400
35	1.7	Q(Btu/h)	14970	8540	11220	7480	3740	2600	15900	9070	11920	7950	3970	2760	16830	9600	12620	8420	4200	2920
		W	2520	950	1900	1260	630	440	2390	900	1800	1200	600	420	2260	850	1700	1140	570	400
30	-1.1	Q(Btu/h)	14630	8340	10970	7300	3660	2540	15600	8890	11700	7790	3900	2710	16570	9440	12430	8280	4140	2880
		W	2520	950	1900	1260	630	440	2390	900	1800	1200	600	420	2260	850	1700	1140	570	400
25	-3.9	Q(Btu/h)	14180	8090	10670	7180	3510	2440	15200	8670	11440	7690	3760	2620	16220	9250	12210	8200	4010	2800
		W	2520	950	1900	1270	620	430	2390	900	1800	1210	590	410	2260	850	1700	1150	560	390
20	-6.7	Q(Btu/h)	13910	7930	10500	6940	3550	2360	15000	8550	11330	7490	3830	2550	16090	9170	12160	8040	4110	2740
		W	2220	830	1690	1120	570	380	2110	790	1600	1060	540	360	2000	750	1510	1000	510	340
15	-9.4	Q(Btu/h)	13410	7640	10130	6710	3430	2290	14600	8320	11030	7300	3730	2490	15790	9000	11930	7890	4030	2690
		W	1990	750	1510	1000	520	350	1890	710	1430	950	490	330	1790	670	1350	900	460	310
10	-12.2	Q(Btu/h)	12520	7140	9450	6260	3190	2130	13800	7870	10420	6900	3520	2350	15080	8600	11390	7540	3850	2570
		W	1930	730	1450	960	500	330	1830	690	1380	910	470	310	1730	650	1310	860	440	290
5	-15.0	Q(Btu/h)	11580	6600	8750	5790	2960	1970	13000	7410	9820	6500	3320	2210	14420	8220	10890	7210	3680	2450
		W	1910	720	1440	960	500	330	1810	680	1370	910	470	310	1710	640	1300	860	440	290
0	-17.8	Q(Btu/h)	9980	5690	7540	5000	2550	1700	11500	6560	8690	5760	2940	1960	13020	7430	9840	6520	3330	2220
		W	1750	660	1320	860	440	290	1660	630	1250	820	420	280	1570	600	1180	780	400	270
-4	-20.0	Q(Btu/h)	8870	5060	6700	4430	2260	1510	10500	5990	7930	5250	2680	1790	12130	6920	9160	6070	3100	2070
		W	1630	610	1230	810	410	270	1550	580	1170	770	390	260	1470	550	1110	730	370	250
-10	-23.3	Q(Btu/h)	7100	4040	5360	3550	1810	1200	8900	5070	6720	4450	2270	1510	10700	6100	8080	5350	2730	1820
		W	1450	550	1100	730	370	240	1380	520	1040	690	350	230	1310	490	980	650	330	220
-13	-25.0	Q(Btu/h)	6140	3500	4640	3070	1570	1040	8000	4560	6040	4000	2040	1360	9860	5620	7440	4930	2510	1680
		W	1350	510	1020	670	350	230	1280	480	970	640	330	220	1210	450	920	610	310	210

* Above data is for heating operation without any frost.

MFZ-KJ15NA
MUFZ-KJ15NAHZ
1) COOLING

Rated
Q(Btu/h): 15000
W: 1120

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
115	46.1	Q(Btu/h)	19910	15720	15000	10070	5160	-	16250	12830	12240	8220	4210	-	17710	13990	13340	8960	4590	-
		W	1830	1110	1380	920	470	-	2050	1240	1550	1040	540	-	1640	990	1250	830	430	-
110	43.3	Q(Btu/h)	20780	16410	15660	10530	5400	-	16960	13390	12780	8600	4410	-	18480	14600	13930	9380	4810	-
		W	1790	1090	1340	900	470	-	2010	1220	1510	1020	530	-	1610	970	1210	810	430	-
105	40.6	Q(Btu/h)	21650	17090	16310	10950	5620	-	17670	13950	13310	8940	4590	-	19260	15210	14500	9750	5010	-
		W	1750	1060	1320	890	450	-	1960	1190	1480	1000	510	-	1570	950	1190	800	410	-
100	37.8	Q(Btu/h)	22470	17740	16920	11370	5830	-	18340	14480	13810	9280	4760	-	19990	15790	15050	10120	5190	-
		W	1700	1040	1280	860	430	-	1910	1160	1440	970	490	-	1530	930	1160	770	390	-
95	35.0	Q(Btu/h)	23280	18380	17550	11790	6050	-	19000	15000	14320	9630	4940	-	20710	16350	15610	10500	5390	-
		W	1650	1000	1240	830	420	-	1850	1120	1400	940	480	-	1480	890	1120	750	390	-
90	32.2	Q(Btu/h)	24210	19110	18240	12260	6300	-	19760	15600	14890	10010	5140	-	21540	17010	16230	10920	5610	-
		W	1580	970	1190	800	400	-	1780	1080	1340	900	460	-	1420	860	1080	720	370	-
85	29.4	Q(Btu/h)	25140	19850	18940	12720	6530	-	20520	16200	15460	10390	5330	-	22360	17660	16850	11330	5810	-
		W	1520	930	1150	760	390	-	1710	1040	1290	860	440	-	1370	830	1040	690	350	-
80	26.7	Q(Btu/h)	26070	20580	19640	13200	6770	-	21280	16800	16030	10780	5530	-	23190	18320	17470	11750	6030	-
		W	1450	880	1090	730	370	-	1630	990	1230	820	420	-	1300	790	990	650	340	-
75	23.9	Q(Btu/h)	27000	21320	20340	13680	7020	-	22040	17400	16600	11170	5730	-	24020	18970	18090	12180	6250	-
		W	1380	840	1040	700	360	-	1550	940	1170	790	410	-	1240	750	940	630	330	-
70	21.1	Q(Btu/h)	20920	16520	15770	10610	5440	-	17080	13480	12870	8660	4440	-	18610	14700	14030	9440	4840	-
		W	1590	970	1190	800	400	-	1790	1080	1340	900	460	-	1430	860	1080	720	370	-
65	18.3	Q(Btu/h)	20920	16520	15770	10610	5440	-	17080	13480	12870	8660	4440	-	18610	14700	14030	9440	4840	-
		W	1570	960	1190	800	400	-	1770	1070	1340	900	460	-	1410	850	1080	720	370	-
60	15.6	Q(Btu/h)	20920	16520	15770	10610	5440	-	17080	13480	12870	8660	4440	-	18610	14700	14030	9440	4840	-
		W	1560	960	1180	800	400	-	1760	1070	1330	900	460	-	1400	850	1070	720	370	-
55	12.8	Q(Btu/h)	20920	16520	15770	10610	5440	-	17080	13480	12870	8660	4440	-	18610	14700	14030	9440	4840	-
		W	1540	940	1160	780	390	-	1740	1050	1310	880	450	-	1380	830	1050	700	360	-
50	10.0	Q(Btu/h)	20920	16520	15770	10610	5440	-	17080	13480	12870	8660	4440	-	18610	14700	14030	9440	4840	-
		W	1530	940	1150	770	380	-	1730	1050	1300	870	440	-	1370	830	1040	690	350	-
45	7.2	Q(Btu/h)	20920	16520	15770	10610	5440	-	17080	13480	12870	8660	4440	-	18610	14700	14030	9440	4840	-
		W	1510	930	1140	760	380	-	1710	1040	1290	860	440	-	1350	820	1030	680	350	-
40	4.4	Q(Btu/h)	20920	16520	15770	10610	5440	-	17080	13480	12870	8660	4440	-	18610	14700	14030	9440	4840	-
		W	1490	910	1120	760	380	-	1690	1020	1270	860	440	-	1330	800	1010	680	350	-
35	1.7	Q(Btu/h)	20920	16520	15770	10610	5440	-	17080	13480	12870	8660	4440	-	18610	14700	14030	9440	4840	-
		W	1480	910	1120	760	380	-	1680	1020	1270	860	440	-	1320	800	1010	680	350	-
30	-1.1	Q(Btu/h)	20920	16520	15770	10610	5440	-	17080	13480	12870	8660	4440	-	18610	14700	14030	9440	4840	-
		W	1460	890	1100	750	380	-	1660	1000	1250	850	440	-	1300	780	990	670	350	-
25	-3.9	Q(Btu/h)	20920	16520	15770	10610	5440	-	17080	13480	12870	8660	4440	-	18610	14700	14030	9440	4840	-
		W	1450	890	1090	740	370	-	1650	1000	1240	840	430	-	1290	780	980	660	340	-
20	-6.7	Q(Btu/h)	20920	16520	15770	10610	5440	-	17080	13480	12870	8660	4440	-	18610	14700	14030	9440	4840	-
		W	1430	880	1080	720	360	-	1630	990	1230	820	420	-	1270	770	970	640	330	-
15	-9.4	Q(Btu/h)	20920	16520	15770	10610	5440	-	17080	13480	12870	8660	4440	-	18610	14700	14030	9440	4840	-
		W	1420	870	1070	710	350	-	1620	980	1220	810	410	-	1260	760	960	630	320	-

* It may not reach the above capacities in low ambient temperatures.

MFZ-KJ15NA
MUFZ-KJ15NAHZ
2) HEATING

Rated
Q(Btu/h): 18000
W: 1410

Indoor D.B.			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
75	23.9	Q(Btu/h)	24000	17280	18130	12000	6130	4900	25000	18000	18880	12500	6380	5100	26000	18720	19630	13000	6630	5300
		W	3590	1490	2710	1820	900	850	3410	1410	2570	1730	850	810	3230	1330	2430	1640	800	770
70	21.1	Q(Btu/h)	24040	17310	18160	12020	6140	4900	25000	18000	18880	12500	6380	5100	25960	18690	19600	12980	6620	5300
		W	3590	1490	2690	1820	920	830	3410	1410	2550	1730	870	790	3230	1330	2410	1640	820	750
65	18.3	Q(Btu/h)	24020	17300	18140	12010	6130	4900	25000	18000	18880	12500	6380	5100	25980	18700	19620	12990	6630	5300
		W	3590	1490	2710	1810	880	800	3410	1410	2570	1720	840	760	3230	1330	2430	1630	800	720
60	15.6	Q(Btu/h)	23960	17250	18100	11980	6120	4890	25000	18000	18880	12500	6380	5100	26040	18750	19660	13020	6640	5310
		W	3590	1490	2700	1800	910	790	3410	1410	2560	1710	860	750	3230	1330	2420	1620	810	710
55	12.8	Q(Btu/h)	23880	17200	18040	11940	6100	4870	25000	18000	18880	12500	6380	5100	26120	18800	19720	13060	6660	5330
		W	3590	1490	2710	1790	920	770	3410	1410	2570	1700	870	730	3230	1330	2430	1610	820	690
50	10.0	Q(Btu/h)	23800	17130	17970	11900	6070	4850	25000	18000	18880	12500	6380	5100	26200	18870	19790	13100	6690	5350
		W	3590	1490	2710	1810	880	740	3410	1410	2570	1720	840	700	3230	1330	2430	1630	800	660
47	8.3	Q(Btu/h)	23740	17090	17930	11870	6060	4840	25000	18000	18880	12500	6380	5100	26260	18910	19830	13130	6700	5360
		W	3590	1490	2710	1790	920	740	3410	1410	2570	1700	870	700	3230	1330	2430	1610	820	660
45	7.2	Q(Btu/h)	23520	16940	17570	11880	5940	4750	24800	17860	18530	12530	6260	5010	26080	18780	19490	13180	6580	5270
		W	3590	1490	2690	1820	910	730	3410	1410	2550	1730	860	690	3230	1330	2410	1640	810	650
40	4.4	Q(Btu/h)	20790	14970	15640	10490	5140	4110	22000	15840	16550	11100	5440	4350	23210	16710	17460	11710	5740	4590
		W	3590	1490	2700	1800	880	710	3410	1410	2560	1710	840	670	3230	1330	2420	1620	800	630
35	1.7	Q(Btu/h)	20520	14780	15390	10250	5130	3940	21800	15700	16350	10890	5450	4190	23080	16620	17310	11530	5770	4440
		W	3590	1490	2700	1790	900	680	3410	1410	2560	1700	850	650	3230	1330	2420	1610	800	620
30	-1.1	Q(Btu/h)	20160	14510	15220	10080	5140	3810	21500	15480	16230	10750	5480	4060	22840	16450	17240	11420	5820	4310
		W	3590	1490	2720	1800	920	670	3410	1410	2580	1710	870	640	3230	1330	2440	1620	820	610
25	-3.9	Q(Btu/h)	19690	14170	14760	9840	4920	3640	21100	15190	15820	10550	5270	3900	22510	16210	16880	11260	5620	4160
		W	3590	1490	2700	1780	900	660	3410	1410	2560	1690	850	630	3230	1330	2420	1600	800	600
20	-6.7	Q(Btu/h)	19280	13890	14420	9730	4870	3480	20800	14980	15550	10500	5250	3750	22320	16070	16680	11270	5630	4020
		W	3480	1430	2600	1740	870	620	3300	1360	2470	1650	830	590	3120	1290	2340	1560	790	560
15	-9.4	Q(Btu/h)	18380	13230	13820	9260	4550	3250	20000	14400	15040	10080	4950	3540	21620	15570	16260	10900	5350	3830
		W	3330	1380	2510	1660	820	590	3160	1310	2380	1580	780	560	2990	1240	2250	1500	740	530
10	-12.2	Q(Btu/h)	16330	11760	12280	8250	4050	2890	18000	12960	13540	9090	4470	3190	19670	14160	14800	9930	4890	3490
		W	3190	1320	2400	1610	790	570	3030	1250	2280	1530	750	540	2870	1180	2160	1450	710	510
5	-15.0	Q(Btu/h)	16030	11540	12060	8100	3980	2840	18000	12960	13540	9090	4470	3190	19970	14380	15020	10080	4960	3540
		W	3110	1290	2340	1560	770	550	2950	1220	2220	1480	730	520	2790	1150	2100	1400	690	490
0	-17.8	Q(Btu/h)	15620	11250	11750	7890	3880	2770	18000	12960	13540	9090	4470	3190	20380	14670	15330	10290	5060	3610
		W	2860	1180	2150	1440	710	510	2710	1120	2040	1370	670	480	2570	1060	1930	1300	630	450
-4	-20.0	Q(Btu/h)	13510	9730	10160	6810	3340	2390	16000	11520	12030	8060	3960	2830	18490	13310	13900	9310	4580	3270
		W	2730	1130	2050	1380	670	480	2590	1070	1950	1310	640	460	2450	1010	1850	1240	610	440
-10	-23.3	Q(Btu/h)	11640	8380	8760	5880	2890	2070	14600	10510	10980	7370	3620	2590	17560	12640	13200	8860	4350	3110
		W	2510	1030	1890	1270	630	450	2380	980	1790	1210	600	430	2250	930	1690	1150	570	410
-13	-25.0	Q(Btu/h)	10750	7740	8090	5430	2660	1900	14000	10080	10530	7070	3470	2480	17250	12420	12970	8710	4280	3060
		W	2400	990	1810	1220	600	430	2280	940	1720	1160	570	410	2160	890	1630	1100	540	390

* Above data is for heating operation without any frost.

MFZ-KJ18NA
MUFZ-KJ18NAHZ
1) COOLING

Rated
Q(Btu/h): 17000
W: 1350

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
115	46.1	Q(Btu/h)	23570	17810	17750	11930	6110	-	19240	14540	14490	9740	4990	-	20970	15850	15800	10620	5440	-
		W	2300	1340	1730	1160	600	-	2580	1500	1940	1310	670	-	2060	1190	1560	1050	530	-
110	43.3	Q(Btu/h)	24610	18600	18530	12450	6080	5780	20090	15180	15130	10160	4960	4720	21900	16540	16490	11080	5410	5140
		W	2250	1310	1690	1120	560	530	2520	1470	1900	1260	620	590	2020	1170	1530	1010	490	470
105	40.6	Q(Btu/h)	25640	19370	19300	12960	6330	6030	20930	15810	15760	10580	5170	4920	22810	17230	17180	11530	5630	5360
		W	2200	1280	1650	1110	550	520	2460	1430	1850	1250	610	580	1970	1140	1490	1000	480	470
100	37.8	Q(Btu/h)	26600	20100	20040	13460	6580	6260	21720	16410	16360	10990	5370	5110	23680	17880	17830	11980	5850	5570
		W	2130	1240	1600	1080	530	500	2390	1390	1800	1210	590	560	1910	1110	1440	970	470	450
95	35.0	Q(Btu/h)	27560	20830	20750	13940	6810	6490	22500	17000	16940	11380	5560	5300	24530	18530	18470	12410	6060	5770
		W	2070	1210	1560	1040	510	480	2320	1350	1750	1170	570	540	1860	1080	1400	930	450	430
90	32.2	Q(Btu/h)	28660	21660	21580	14500	7080	6740	23400	17680	17620	11840	5780	5500	25510	19270	19210	12910	6300	5990
		W	2000	1160	1510	1000	490	460	2240	1300	1690	1130	550	520	1790	1040	1360	900	440	420
85	29.4	Q(Btu/h)	29770	22490	22400	15060	7350	6990	24300	18360	18290	12290	6000	5710	26490	20010	19940	13400	6540	6220
		W	1920	1120	1440	970	470	450	2150	1250	1620	1090	530	500	1720	1000	1300	870	420	400
80	26.7	Q(Btu/h)	30870	23330	23250	15620	7630	7260	25200	19040	18980	12750	6230	5930	27470	20750	20690	13900	6790	6460
		W	1830	1060	1380	920	460	440	2050	1190	1550	1040	510	490	1640	950	1240	830	400	390
75	23.9	Q(Btu/h)	31970	24160	24070	16170	7900	7520	26100	19720	19650	13200	6450	6140	28450	21490	21420	14390	7030	6690
		W	1740	1010	1310	880	430	410	1950	1130	1470	990	480	460	1560	900	1180	790	380	370
70	21.1	Q(Btu/h)	24030	18160	18090	12150	5930	5650	19620	14820	14770	9920	4840	4610	21390	16150	16100	10810	5280	5020
		W	2180	1270	1640	1090	540	510	2440	1420	1840	1230	600	570	1950	1130	1480	980	480	460
65	18.3	Q(Btu/h)	24030	18160	18090	12150	5930	5650	19620	14820	14770	9920	4840	4610	21390	16150	16100	10810	5280	5020
		W	2150	1250	1610	1080	530	500	2410	1400	1810	1220	590	560	1930	1110	1460	970	470	450
60	15.6	Q(Btu/h)	24030	18160	18090	12150	5930	5650	19620	14820	14770	9920	4840	4610	21390	16150	16100	10810	5280	5020
		W	2120	1230	1600	1070	530	500	2380	1380	1800	1210	590	560	1910	1090	1450	960	470	450
55	12.8	Q(Btu/h)	24030	18160	18090	12150	5930	5650	19620	14820	14770	9920	4840	4610	21390	16150	16100	10810	5280	5020
		W	2090	1220	1570	1050	520	490	2350	1370	1770	1190	580	550	1890	1080	1430	940	460	440
50	10.0	Q(Btu/h)	24030	18160	18090	12150	5930	5650	19620	14820	14770	9920	4840	4610	21390	16150	16100	10810	5280	5020
		W	2060	1200	1550	1030	510	480	2320	1350	1750	1170	570	540	1870	1060	1410	920	450	430
45	7.2	Q(Btu/h)	24030	18160	18090	12150	5930	5650	19620	14820	14770	9920	4840	4610	21390	16150	16100	10810	5280	5020
		W	2030	1180	1520	1020	510	480	2290	1330	1720	1160	570	540	1850	1040	1390	910	450	430
40	4.4	Q(Btu/h)	24030	18160	18090	12150	5930	5650	19620	14820	14770	9920	4840	4610	21390	16150	16100	10810	5280	5020
		W	1990	1160	1500	1000	500	470	2250	1310	1700	1140	560	530	1820	1020	1370	890	440	420
35	1.7	Q(Btu/h)	24030	18160	18090	12150	5930	5650	19620	14820	14770	9920	4840	4610	21390	16150	16100	10810	5280	5020
		W	1960	1140	1470	980	490	460	2220	1290	1670	1120	550	520	1800	1000	1350	870	430	410
30	-1.1	Q(Btu/h)	24030	18160	18090	12150	5930	5650	19620	14820	14770	9920	4840	4610	21390	16150	16100	10810	5280	5020
		W	1930	1120	1450	960	480	450	2190	1270	1650	1100	540	510	1780	980	1330	850	420	400
25	-3.9	Q(Btu/h)	24030	18160	18090	12150	5930	5650	19620	14820	14770	9920	4840	4610	21390	16150	16100	10810	5280	5020
		W	1900	1110	1430	960	480	450	2160	1260	1630	1100	540	510	1760	970	1310	850	420	400
20	-6.7	Q(Btu/h)	24030	18160	18090	12150	5930	5650	19620	14820	14770	9920	4840	4610	21390	16150	16100	10810	5280	5020
		W	1870	1090	1400	940	470	440	2130	1240	1600	1080	530	500	1740	950	1290	830	410	390
15	-9.4	Q(Btu/h)	24030	18160	18090	12150	5930	5650	19620	14820	14770	9920	4840	4610	21390	16150	16100	10810	5280	5020
		W	1840	1070	1380	920	460	440	2100	1220	1580	1060	520	500	1720	930	1270	810	400	390

* It may not reach the above capacities in low ambient temperatures.

MFZ-KJ18NA
MUFZ-KJ18NAHZ
2) HEATING

Rated
Q(Btu/h): 21000
W: 1730

Indoor D.B. / Outdoor W.B. (°F)	(°C)		78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
75	23.9	Q(Btu/h)	27840	20160	21030	13920	7100	5680	29000	21000	21900	14500	7400	5920	30160	21840	22770	15080	7700	6160
		W	3610	1820	2720	1840	900	850	3430	1730	2580	1750	850	810	3250	1640	2440	1660	800	770
70	21.1	Q(Btu/h)	27890	20200	21060	13940	7120	5690	29000	21000	21900	14500	7400	5920	30110	21800	22740	15060	7680	6150
		W	3610	1820	2710	1820	920	830	3430	1730	2570	1730	870	790	3250	1640	2430	1640	820	750
65	18.3	Q(Btu/h)	27860	20180	21040	13930	7110	5690	29000	21000	21900	14500	7400	5920	30140	21820	22760	15070	7690	6150
		W	3610	1820	2720	1810	880	800	3430	1730	2580	1720	840	760	3250	1640	2440	1630	800	720
60	15.6	Q(Btu/h)	27800	20130	20990	13900	7090	5670	29000	21000	21900	14500	7400	5920	30200	21870	22810	15100	7710	6170
		W	3610	1820	2710	1800	910	790	3430	1730	2570	1710	860	750	3250	1640	2430	1620	810	710
55	12.8	Q(Btu/h)	27700	20060	20920	13850	7070	5660	29000	21000	21900	14500	7400	5920	30300	21940	22880	15150	7730	6180
		W	3610	1820	2730	1800	920	770	3430	1730	2590	1710	870	730	3250	1640	2450	1620	820	690
50	10.0	Q(Btu/h)	27600	19990	20850	13800	7040	5630	29000	21000	21900	14500	7400	5920	30400	22010	22950	15200	7760	6210
		W	3610	1820	2720	1830	900	750	3430	1730	2580	1740	850	710	3250	1640	2440	1650	800	670
47	8.3	Q(Btu/h)	27540	19940	20800	13770	7030	5620	29000	21000	21900	14500	7400	5920	30460	22060	23000	15230	7770	6220
		W	3610	1820	2730	1810	930	740	3430	1730	2590	1720	880	700	3250	1640	2450	1630	830	660
45	7.2	Q(Btu/h)	27500	19910	20560	13880	6940	5560	29000	21000	21680	14640	7320	5860	30500	22090	22800	15400	7700	6160
		W	3610	1820	2700	1820	910	730	3430	1730	2560	1730	860	690	3250	1640	2420	1640	810	650
40	4.4	Q(Btu/h)	24090	17450	18130	12170	5960	4770	25500	18470	19190	12880	6310	5050	26910	19490	20250	13590	6660	5330
		W	3610	1820	2720	1820	900	720	3430	1730	2580	1730	850	680	3250	1640	2440	1640	800	640
35	1.7	Q(Btu/h)	23770	17210	17830	11880	5940	4570	25250	18280	18940	12620	6310	4850	26730	19350	20050	13360	6680	5130
		W	3610	1820	2710	1810	910	700	3430	1730	2570	1720	860	660	3250	1640	2430	1630	810	620
30	-1.1	Q(Btu/h)	23440	16970	17690	11720	5970	4430	25000	18100	18870	12500	6370	4720	26560	19230	20050	13280	6770	5010
		W	3610	1820	2730	1800	920	670	3430	1730	2590	1710	870	640	3250	1640	2450	1620	820	610
25	-3.9	Q(Btu/h)	22860	16550	17140	11430	5710	4230	24500	17740	18370	12250	6120	4530	26140	18930	19600	13070	6530	4830
		W	3610	1820	2710	1800	900	660	3430	1730	2570	1710	850	630	3250	1640	2430	1620	800	600
20	-6.7	Q(Btu/h)	22250	16110	16630	11220	5610	4010	24000	17380	17940	12100	6050	4320	25750	18650	19250	12980	6490	4630
		W	3480	1750	2600	1740	870	620	3300	1660	2470	1650	830	590	3120	1570	2340	1560	790	560
15	-9.4	Q(Btu/h)	21130	15310	15900	10660	5240	3740	23000	16660	17300	11600	5700	4070	24870	18010	18700	12540	6160	4400
		W	3320	1680	2500	1660	820	590	3150	1590	2370	1580	780	560	2980	1500	2240	1500	740	530
10	-12.2	Q(Btu/h)	19960	14450	15010	10070	4940	3530	22000	15930	16550	11100	5450	3890	24040	17410	18090	12130	5960	4250
		W	3260	1640	2450	1640	810	580	3090	1560	2330	1560	770	550	2920	1480	2210	1480	730	520
5	-15.0	Q(Btu/h)	18700	13550	14070	9440	4640	3310	21000	15210	15800	10600	5210	3720	23300	16870	17530	11760	5780	4130
		W	3160	1590	2380	1600	790	570	3000	1510	2260	1520	750	540	2840	1430	2140	1440	710	510
0	-17.8	Q(Btu/h)	16930	12260	12730	8530	4190	2990	19500	14120	14670	9830	4830	3450	22070	15980	16610	11130	5470	3910
		W	2950	1490	2220	1500	740	530	2800	1410	2110	1420	700	500	2650	1330	2000	1340	660	470
-4	-20.0	Q(Btu/h)	15450	11190	11630	7800	3830	2740	18300	13250	13770	9240	4540	3240	21150	15310	15910	10680	5250	3740
		W	2780	1400	2090	1390	680	480	2640	1330	1980	1320	650	460	2500	1260	1870	1250	620	440
-10	-23.3	Q(Btu/h)	13160	9530	9900	6640	3260	2330	16500	11950	12410	8320	4090	2920	19840	14370	14920	10000	4920	3510
		W	2530	1270	1910	1290	630	450	2400	1210	1810	1220	600	430	2270	1150	1710	1150	570	410
-13	-25.0	Q(Btu/h)	12060	8730	9070	6070	2980	2130	15700	11370	11810	7910	3880	2770	19340	14010	14550	9750	4780	3410
		W	2420	1220	1820	1230	600	430	2300	1160	1730	1170	570	410	2180	1100	1640	1110	540	390

* Above data is for heating operation without any frost.

A.3 CEILING CASSETTE

A.3.1 SPECIFICATIONS A-444
A.3.1.1 Inverter Heat Pump A-444
A.3.1.2 SUZ model A-446
A.3.1.3 H2i SUZ model A-447
A.3.2 OUTLINES AND DIMENSIONS A-448
A.3.2.1 Indoor Unit A-448
A.3.3 WIRING DIAGRAM A-449
A.3.3.1 Indoor Unit A-449
A.3.4 REFRIGERANT SYSTEM DIAGRAM A-450
A.3.4.1 Inverter Heat Pump A-450
A.3.5 PERFORMANCE DATA A-452
A.3.5.1 Inverter Heat Pump A-452
A.3.6 NOISE CRITERIA CURVES A-466
A.3.6.1 Inverter Heat Pump A-466
A.3.7 TEMPERATURE AND AIR FLOW DISTRIBUTIONS A-467
A.3.8 OPERATION A-470
A.3.8.1 MLZ-KP•NA Series A-470

A.3.1 SPECIFICATIONS

A.3.1.1 Inverter Heat Pump

1. Multi connection

Indoor model			MLZ-KP09NA	MLZ-KP12NA	MLZ-KP18NA
Power supply	V, phase, Hz		208/230, 1, 60		
Max. fuse size (time delay)/ Disconnect switch		A	15		
Airflow High - Med. - Low - SLow	COOL Dry (Wet)	CFM	311 - 283 - 254 - 212	332 - 297 - 258 - 212	403 - 346 - 293 - 212
	HEAT Dry	CFM	325 - 290 - 247 - 212	350 - 311 - 272 - 212	417 - 364 - 311 - 212
Sound level High - Med. - Low - SLow	Cooling	dB (A)	38 - 34 - 31 - 27	40 - 36 - 32 - 27	47 - 41 - 36 - 29
	Heating	dB (A)	37 - 34 - 29 - 26	40 - 36 - 32 - 26	48 - 42 - 37 - 26
Cond. drain connection O.D.		in.	Ø1 (26 mm)		
Dimensions	W	in.	43-3/8		
	D		14-3/16		
	H		7-5/16		
Weight		lb.	34		
External finish			White		
Control voltage (by built-in transformer)			12 - 24 V DC		

NOTE: Test conditions are based on ARI 210/240.

Specifications and rated conditions of main electric parts

Item \ Model		MLZ-KP09NA MLZ-KP12NA MLZ-KP18NA
Fuse	(F11)	T3.15AL250V
Horizontal vane motor	(MV1)	12 V DC
Vertical vane motor	(MV2)	12 V DC
Varistor	(NR11)	470 V
DRAIN PUMP	(DP)	230 V 6.4 W
FLOAT SENSOR	(FS)	5 V DC

OPERATING RANGE

(1) POWER SUPPLY

	Rated voltage	Guaranteed voltage (V)
Indoor unit	208/230 V 1 phase 60 Hz	Min. 187 208 230 Max. 253

(2) OPERATION

*The operating range of the outdoor unit depends on the connected outdoor unit.

Mode	Condition	Intake air temperature (°F)			
		Indoor		Outdoor	
		DB	WB	DB	WB
Cooling	Standard temperature	80	67	95	—
	Maximum temperature	90	73	115	—
	Minimum temperature	67	57	14	—
	Maximum humidity	78%		—	
Heating	Standard temperature	70	60	47	43
	Maximum temperature	80	67	75	65
	Minimum temperature	70	60	-13	-14

OUTLET AIR SPEED AND COVERAGE

Multi connection

Model	Mode	Function	Airflow (CFM)	Air speed (ft./s.)	Coverage (ft.)
MLZ-KP09NA	HEAT	Dry	311	13.0	20.7
	COOL	Dry	325	13.6	21.7
		Wet	—	—	—
MLZ-KP12NA	HEAT	Dry	332	13.9	22.1
	COOL	Dry	350	14.6	23.3
		Wet	—	—	—
MLZ-KP18NA	HEAT	Dry	403	16.9	26.7
	COOL	Dry	417	17.5	27.6
		Wet	—	—	—

- The air coverage is the figure up to the position where the air speed is 1 ft./s., when air is blown out horizontally from the unit properly at the High speed position.
  The coverage should be used only as a general guideline since it varies according to the size of the room and furniture arranged inside the room.

A.3.1.2 SUZ model

Model name	Indoor unit		MLZ-KP09NA	MLZ-KP12NA	MLZ-KP18NA
	Outdoor unit		SUZ-KA09NA(H)2	SUZ-KA12NA(H)2	SUZ-KA18NA(H)2
Cooling *1	Rated Capacity	Btu/h	9,000	12,000	18,000
	Capacity Range	Btu/h	3,600-9,000	3,900-12,000	6,600-18,000
	Total input	W	710	960	1,440
	Energy Efficiency	EER	12.6	12.5	12.5
		SEER	19.5	19.8	22.3
	Moisture Removal	Pints/h	1.5	2.8	5.3
	Sensible Heat Factor		0.82	0.74	0.67
Heating at 47°F *1	Rated Capacity	Btu/h	12,000	15,400	20,000
	Capacity Range	Btu/h	4,010-13,000	4,600-17,000	8,200-22,800
	Total input	W	810	1,300	1,770
	HSPF(Region IV)	Btu/h/W	13.3(12.5)	12.1(11.6)	12.4(12.0)
Heating at 17°F *2	Rated Capacity	Btu/h	7,700	9,900	13,100
	Rated Total input	W	700(830)	1,020(1,150)	1,340(1,460)
	Maximum Capacity	Btu/h	7,700	9,900	13,100
	Maximum Total Input	W	700(830	1,020(1,150)	1,340(1,460)
Power supply	Voltage, Phase, Cycle		208/230V, 1-phase, 60Hz		
Voltage	Indoor - Outdoor S1-S2		AC 208/230V		
	Indoor - Outdoor S2-S3		DC12-24V		
	Indoor - Remote controller		DC12V		
Indoor unit	MCA	A	1.0		
	Fan Motor	F.L.A	0.68		
	Fan Motor Output	W	30		
	Air flow (SLo-Lo-Mid-Hi)	Cooling DRY (CFM)	212-254-283-311	212-258-297-332	212-293-346-403
		Coolong WET (CFM)	180-216-240-264	180-219-252-282	180-249-294-343
		Heating (CFM)	212-247-290-325	212-272-311-350	212-311-364-417
	External Static Pressure	in WG	0		
	Sound Pressure Level (SLo-Lo-Mid-Hi)	Cooling dB (A)	27-31-34-38	27-32-36-40	29-36-41-47
		Heating dB (A)	26-29-34-37	26-32-36-40	26-37-42-48
	External Finish Color(Panel)		Munsell 4.0GY 9.1/0.2		
	Dimensions	W: in	43-3/8		
		D: in	14-3/16		
		H: in	7-5/16		
	Weight Unit	lbs	34		
	Field Drainpipe O.D.	in	O.D. 1-1/4		
	Refrigerant pipe Gas	in	3/8		1/2
	Refrigerant pipe Liquid	in	1/4		
Outdoor unit	MCA	A	9		14
	MOCP	A	15	16	24
	Fan Motor	F.L.A.	0.50		0.67
	Compressor	Model(Type)	DC INVERTER-driven	DC INVERTER-driven Twin Rotary	
		R.L.A.	6.2	6.6	10.0
		L.R.A.	7.7	8.2	12.5
	Air flow (Cooling/Heating)	CFM	(1,229/1,172)		(1,691/1,691)
	Refrigerant Control		Linear Expansion Valve		
	Defrost Method		Reverse Cycle		
	SPL (Cooling)	dB (A)	48	49	54
	SPL (Heating)	dB (A)	50	51	55
	External Finish Color		Munsell No.3Y 7.8/1.1		
	Dimension	W: in	31-1/2		33-1/16
		D: in	11-1/4		13
		H: in	21-5/8		34-5/8
	Weight	lbs	81		127
Remote Controller	Type		Wireless Remote Controller		
Refrigerant	Type		R410A		
	Charge	lbs, oz	2.5	2.9	3.9
	Oil	Type(Fl.oz.)	FV50S(9.1)	FV50S(11.8)	
Refrigerant Pipe	Gas side O.D.	in	3/8		
	Liquid side O.D.	in	1/4		
	Height Difference (Max.)	ft	40		50
	Length (Max.)	ft	65		100
Connection Method	Indoor/Outdoor		Flared/Flared		
Operation Guarantee	Cooling	°F	14 - 115		
	Heating	°F	-4 - 75		

NOTES : *1.Rating conditions (cooling)-Indoor : D.B. 26.7℃(80°F), W.B. 19.4℃(67°F) Outdoor : D.B. 35℃(95°F), W.B. 23.9℃(75°F)
(heating)-Indoor : D.B. 21.1℃(70°F), W.B. 15.6℃(60°F) Outdoor : D.B. 8.3℃(47°F), W.B. 6.1℃(43°F)
*2.Rating conditions (heating)-Indoor : D.B. 21.1℃(70°F), W.B. 15.6℃(60°F) Outdoor : D.B. -8.3℃(17°F), W.B. -9.4℃(15°F)

Operating range

		Indoor intake air temperature	Outdoor intake air temperature
Cooling	Maximum	D.B. 35℃(95°F), W.B. 21.7℃(71°F)	D.B. 46℃(115°F)
	Minimum	D.B. 19.4℃(67°F), W.B. 13.9℃(57°F)	D.B. -10℃(14°F)
Heating	Maximum	D.B. 26.7℃(80°F), W.B. 19.4℃(67°F)	D.B. 24℃(75°F), W.B. 18℃(65°F)
	Minimum	D.B. 21.1℃(70°F), W.B. 15.6℃(60°F)	D.B. -20℃(-4°F), W.B. -21℃(-5°F)

A.3.1.3 H2i SUZ model

Model name	Indoor unit		MLZ-KP09NA	MLZ-KP12NA	MLZ-KP18NA
	Outdoor unit		SUZ-KA09NAHZ	SUZ-KA12NAHZ	SUZ-KA18NAHZ
Cooling *1	Rated Capacity	Btu/h	9,000	12,000	16,700
	Capacity Range	Btu/h	4,800-9,000	5,270-12,000	8,740-16,700
	Total input	W	720	940	1,335
	Energy Efficiency	EER	12.5	12.7	12.5
		SEER	18.9	19.7	18.8
	Moisture Removal	Pints/h	1.8	3.1	5.1
	Sensible Heat Factor		0.78	0.71	0.66
Heating at 47°F *1	Rated Capacity	Btu/h	12,000	15,000	18,600
	Capacity Range	Btu/h	8,300-14,000	7,800-18,000	8,500-22,000
	Total input	W	840	1,130	1,780
	HSPF(Region IV)	Btu/h/W	11.0	10.2	10.0
Heating at 17°F *2	Rated Capacity	Btu/h	6,600	9,100	11,800
	Rated Total input	W	700	1,050	1,430
	Maximum Capacity	Btu/h	12,000	15,000	18,600
	Maximum Total Input	W	1,280	1,740	2,260
Power supply	Voltage, Phase, Cycle		208/230V, 1-phase, 60Hz		
Voltage	Indoor - Outdoor S1-S2		AC 208/230V		
	Indoor - Outdoor S2-S3		DC12-24V		
	Indoor - Remote controller		DC12V		
Indoor unit	MCA	A	1.0		
	Fan Motor	F.L.A	0.68		
	Fan Motor Output	W	30		
	Air flow (SLo-Lo-Mid-Hi)	Cooling DRY (CFM)	212-254-283-311	212-258-297-332	212-293-346-403
		Coolong WET (CFM)	180-216-240-264	180-219-252-282	180-249-294-343
		Heating (CFM)	212-247-290-325	212-272-311-350	212-311-364-417
	External Static Pressure	in WG	0		
	Sound Pressure Level (SLo-Lo-Mid-Hi)	Cooling dB (A)	27-31-34-38	27-32-36-40	29-36-41-47
		Heating dB (A)	26-29-34-37	26-32-36-40	26-37-42-48
	External Finish Color(Panel)		Munsell 4.0GY 9.1/0.2		
	Dimensions	W: in	43-3/8		
		D: in	14-3/16		
		H: in	7-5/16		
	Weight Unit	lbs	34		
	Field Drainpipe O.D.	in	O.D. 1-1/4		
	Refrigerant pipe Gas	in	3/8		1/2
	Refrigerant pipe Liquid	in	1/4		
Outdoor unit	MCA	A	14		17
	MOCP	A	24		31
	Fan Motor	F.L.A.	0.67		1.00
	Compressor	Model(Type)	DC INVERTER-driven Twin Rotary		
		R.L.A.	10.0		13.0
		L.R.A.	12.5		16.0
	Air flow (Cooling/Heating)	CFM	(1,691/1,691)		(2,020/1,930)
	Refrigerant Control		Linear Expansion Valve		
	Defrost Method		Reverse Cycle		
	SPL (Cooling)	dB (A)	54		55
	SPL (Heating)	dB (A)	55		
	External Finish Color		Munsell No.3Y 7.8/1.1		
	Dimension	W: in	33-1/16		
		D: in	13		
		H: in	34-5/8		
	Weight	lbs	129		131
Remote Controller	Type		Wireless Remote Controller		
Refrigerant	Type		R410A		
	Charge	lbs, oz	3.9		
	Oil	Type(Fl.oz.)	FV50S(22.0)		FV50S(23.7)
Refrigerant Pipe	Gas side O.D.	in	3/8		1/2
	Liquid side O.D.	in	1/4		
	Height Difference (Max.)	ft	40		50
	Length (Max.)	ft	65		100
Connection Method	Indoor/Outdoor		Flared/Flared		
Operation Guarantee	Cooling	°F	14 - 115		
	Heating	°F	-13 - 75		

NOTES : *1.Rating conditions (cooling)-Indoor : D.B. 26.7℃(80°F), W.B. 19.4℃(67°F) Outdoor : D.B. 35℃(95°F), W.B. 23.9℃(75°F)
(heating)-Indoor : D.B. 21.1℃(70°F), W.B. 15.6℃(60°F) Outdoor : D.B. 8.3℃(47°F), W.B. 6.1℃(43°F)
*2.Rating conditions(heating)-Indoor : D.B. 21.1℃(70°F), W.B. 15.6℃(60°F) Outdoor : D.B. -8.3℃(17°F), W.B. -9.4℃(15°F)

Operating range

		Indoor intake air temperature	Outdoor intake air temperature
Cooling	Maximum	D.B. 35℃(95°F), W.B. 21.7℃(71°F)	D.B. 46℃(115°F)
	Minimum	D.B. 19.4℃(67°F), W.B. 13.9℃(57°F)	D.B. -10℃(14°F)
Heating	Maximum	D.B. 26.7℃(80°F), W.B. 19.4℃(67°F)	D.B. 24℃(75°F), W.B. 18℃(65°F)
	Minimum	D.B. 21.1℃(70°F), W.B. 15.6℃(60°F)	D.B. -25℃(-13°F), W.B. -26℃(-14°F)

A.3.2 OUTLINES AND DIMENSIONS

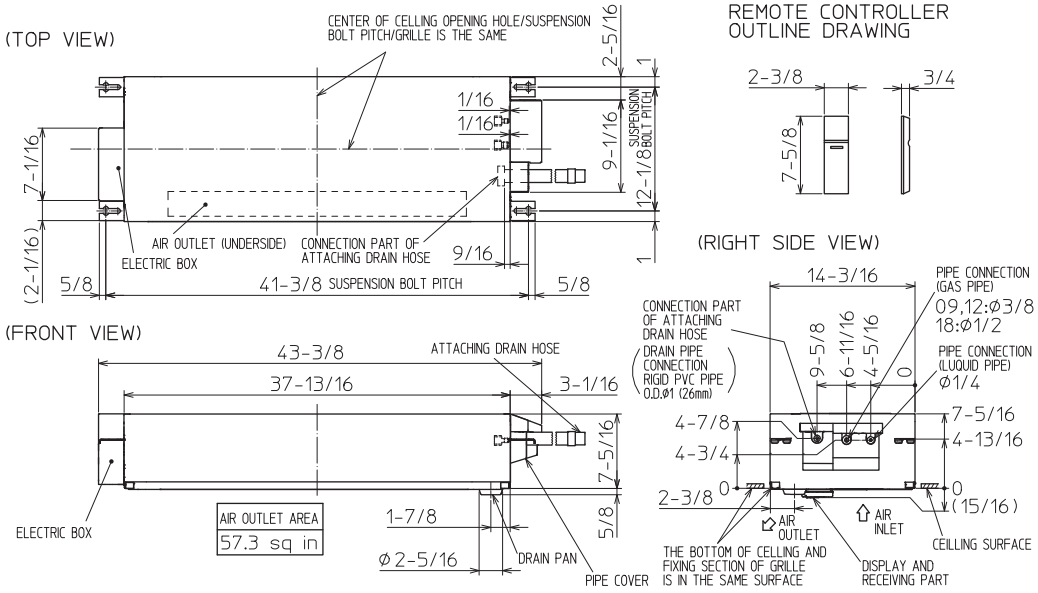
A.3.2.1 Indoor Unit

Unit: Inch

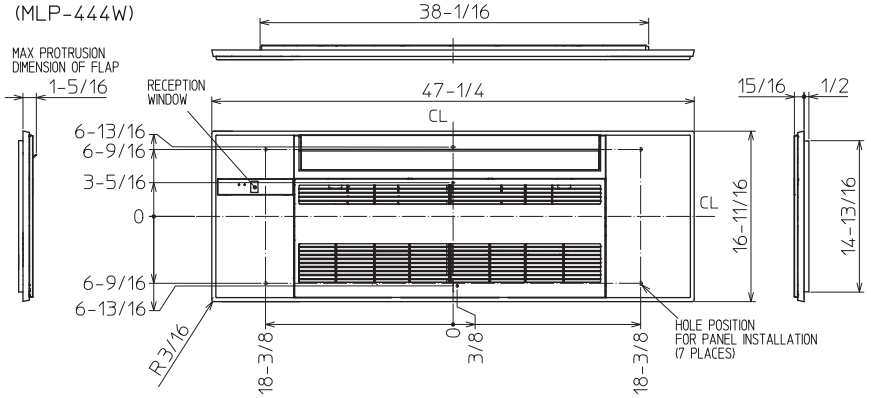
MLZ-KP09NA MLZ-KP12NA MLZ-KP18NA

INDOOR UNIT

INDOOR UNIT OUTLINE DRAWING



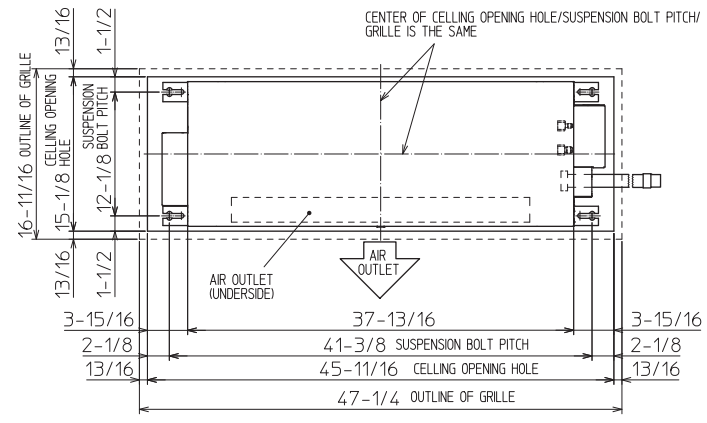
GRILLE OUTLINE DRAWING
(MLP-444W)



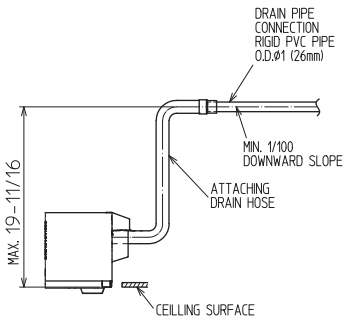
		KP09/12NA	KP18NA
EXTENSION PIPE	LIQUID PIPE O.D.	Ø1/4	
	GAS PIPE O.D.	Ø3/8	Ø1/2
CONNECTIONG OF PIPE	LIQUID PIPE	FLARED CONNECTION Ø1/4	
	GAS PIPE	FLARED CONNECTION Ø3/8	FLARED CONNECTION Ø1/2
DRAIN HOSE		HEAT INSULATER O.D. Ø1-1/4 / CONNECTION I.D. Ø1 / EFFECTIVE LENGTH 18-7/8	
DRAIN PIPE CONNECTION		RIGID PVC PIPE O.D. Ø1 (26mm)	

NOTE1. CUT THE DRAIN HOSE (ACCESSORY) FOR USE, IF NECESSARY.

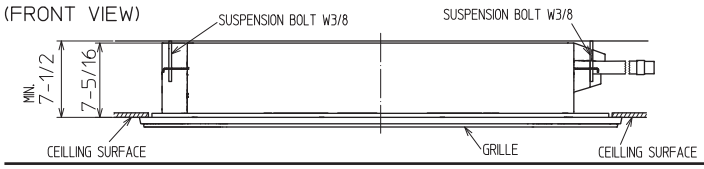
INDOOR UNIT DETAIL VIEW
(TOP VIEW)



THE METHOD FOR STANDING DRAIN FROM INDOOR UNIT
※ CUT THE DRAIN HOSE (ACCESSORY) FOR USE, IF NECESSARY.



(FRONT VIEW)

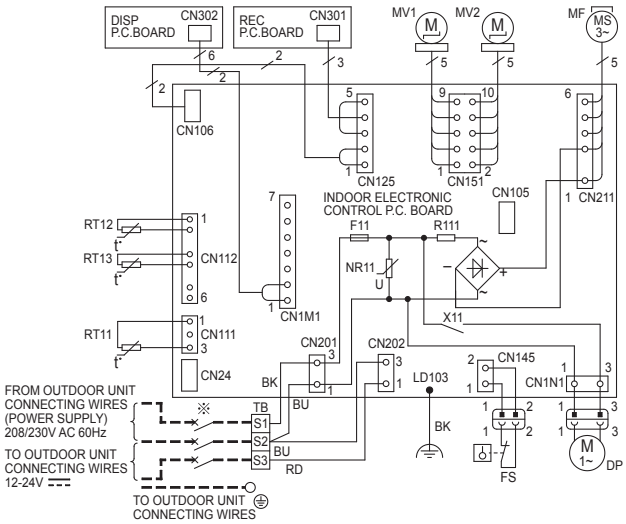


A.3.3 WIRING DIAGRAM

A.3.3.1 Indoor Unit

MLZ-KP09NA-U1 MLZ-KP12NA-U1

INDOOR UNIT



SYMBOL	NAME	SYMBOL	NAME
MF	FAN MOTOR	RT11	ROOM TEMP. THERMISTOR
MV1	HORIZONTAL VANE MOTOR	RT12	COIL TEMP. THERMISTOR(MAIN)
MV2	VERTICAL VANE MOTOR	RT13	COIL TEMP. THERMISTOR(SUB)
DP	DRAIN PUMP	NR11	VARISTOR
FS	FLOAT SENSOR	R111	RESISTOR
F11	FUSE (T3.15AL250V)		
X11	RELAY		
TB	TERMINAL BLOCK		

※ A disconnect should be required by local code.
※ Se procurer un sectionneur conforme aux réglementations locales.

NOTES :
1.About the outdoor side electric wiring refer to the outdoor unit electric wiring diagram for servicing.
2.Use copper conductors only. (For field wiring)
3.Symbols below indicate.

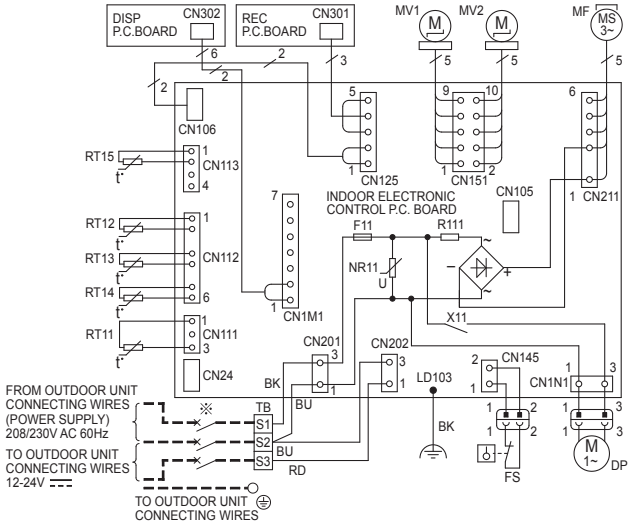
□□□ : Terminal block : Connector

REMARQUES :
1.Pour le câblage électronique côté extérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil extérieur.
2.Utiliser des fils d'alimentation en cuivre.
3.Les symboles ont les significations suivantes

□□□ : Borne : Connecteur

MLZ-KP18NA-U1

INDOOR UNIT



SYMBOL	NAME	SYMBOL	NAME
MF	FAN MOTOR	RT11	ROOM TEMP. THERMISTOR
MV1	HORIZONTAL VANE MOTOR	RT12	COIL TEMP. THERMISTOR(MAIN1)
MV2	VERTICAL VANE MOTOR	RT13	COIL TEMP. THERMISTOR(SUB)
DP	DRAIN PUMP	RT14	COIL TEMP. THERMISTOR(MAIN2)
FS	FLOAT SENSOR	RT15	COIL TEMP. THERMISTOR(MAIN3)
F11	FUSE (T3.15AL250V)	NR11	VARISTOR
X11	RELAY	R111	RESISTOR
TB	TERMINAL BLOCK		

※ A disconnect should be required by local code.
※ Se procurer un sectionneur conforme aux réglementations locales.

NOTES :
1.About the outdoor side electric wiring refer to the outdoor unit electric wiring diagram for servicing.
2.Use copper conductors only. (For field wiring)
3.Symbols below indicate.

□□□ : Terminal block : Connector

REMARQUES :
1.Pour le câblage électronique côté extérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil extérieur.
2.Utiliser des fils d'alimentation en cuivre.
3.Les symboles ont les significations suivantes

□□□ : Borne : Connecteur

A.3.4 REFRIGERANT SYSTEM DIAGRAM

A.3.4.1 Inverter Heat Pump

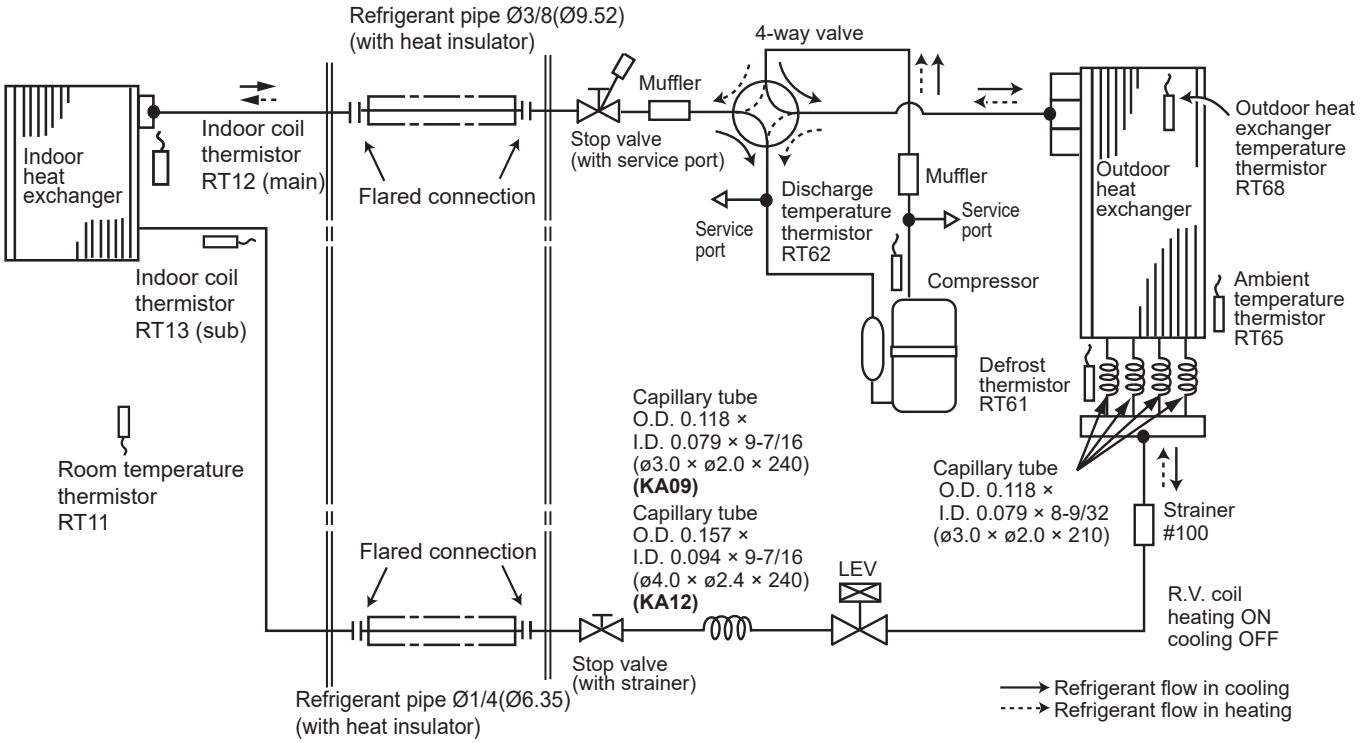
Unit: inch(mm)

MLZ-KP09NA
MLZ-KP12NA

INDOOR UNIT

SUZ-KA09NA(H)2
SUZ-KA12NA(H)2

OUTDOOR UNIT

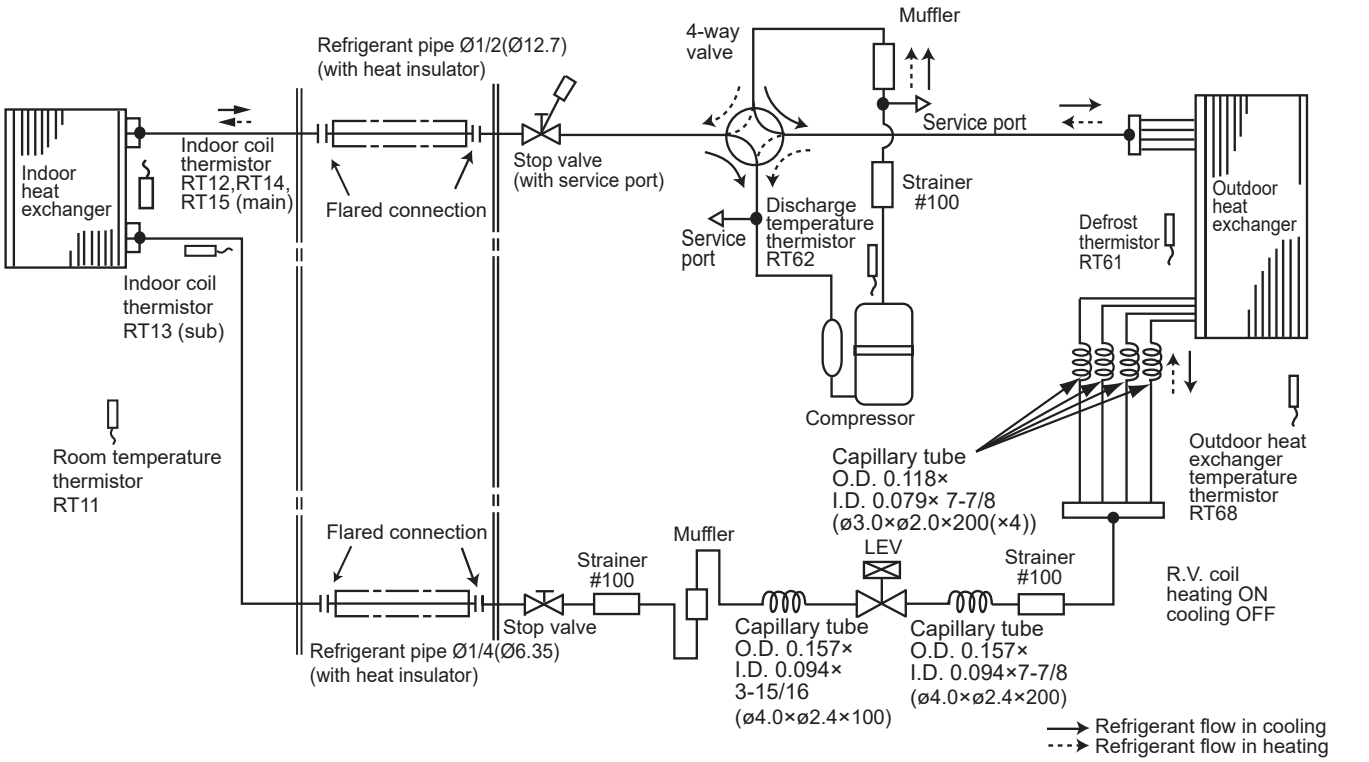


MLZ-KP18NA

INDOOR UNIT

SUZ-KA18NA(H)2

OUTDOOR UNIT



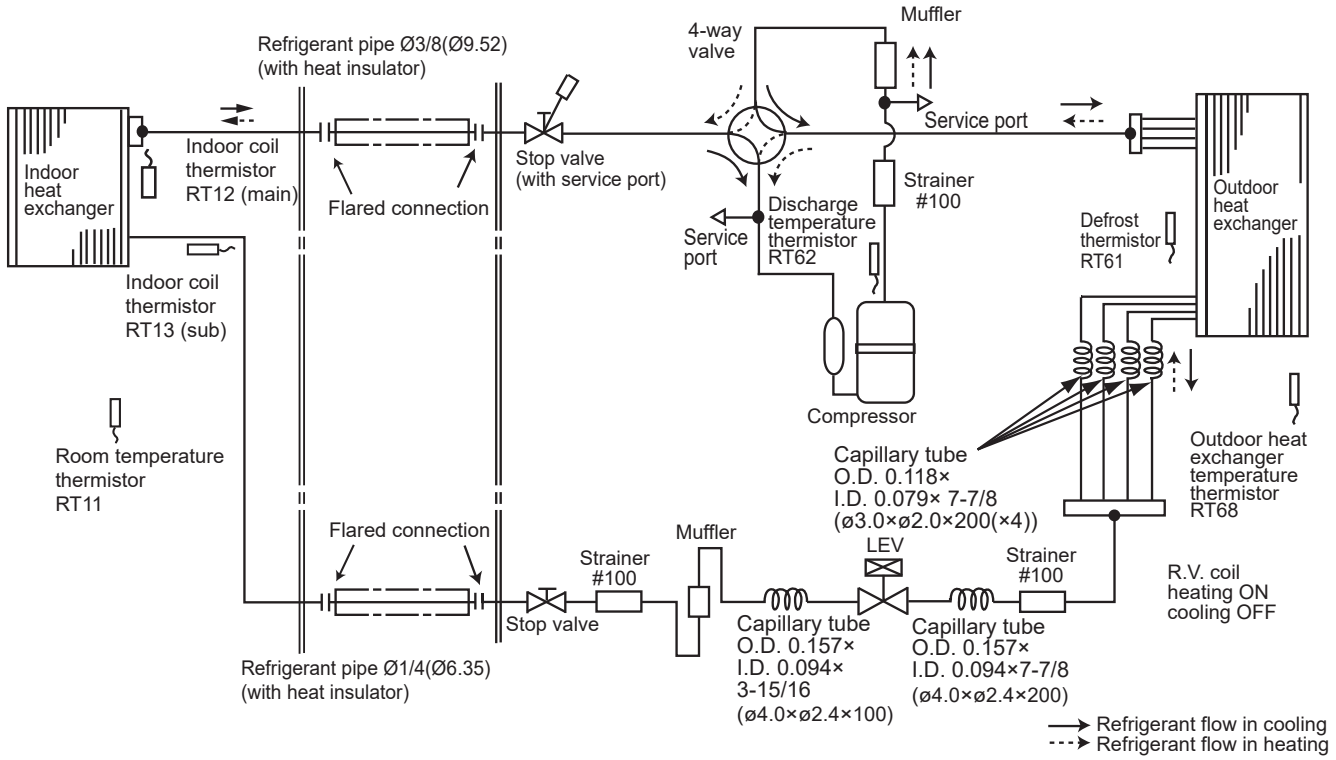
Unit: inch(mm)

MLZ-KP09NA
MLZ-KP12NA

INDOOR UNIT

SUZ-KA09NAHZ
SUZ-KA12NAHZ

OUTDOOR UNIT

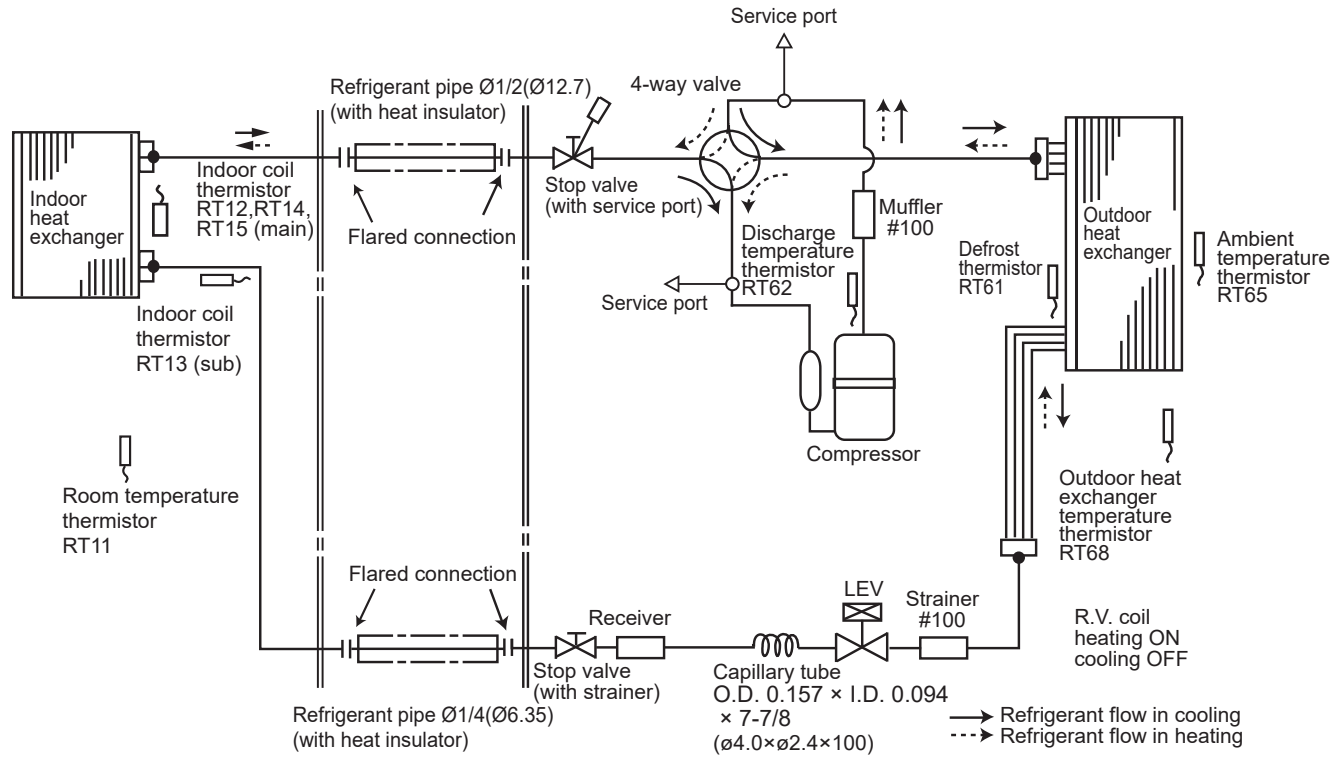


MLZ-KP18NA

INDOOR UNIT

SUZ-KA18NAHZ

OUTDOOR UNIT



A.3.5 PERFORMANCE DATA

A.3.5.1 Inverter Heat Pump

COOLING CAPACITY

MLZ-KP09NA: SUZ-KA09NA(H)2

CAPACITY (Btu/h): 9000 INPUT (kW): 0.71 SHF: 0.82

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		68				77				86				95			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	9430	6752	0.72	0.47	8870	6351	0.72	0.53	8160	5843	0.72	0.58	7488	5361	0.72	0.63
68	64	10307	6143	0.60	0.52	9747	5809	0.60	0.58	9037	5386	0.60	0.63	8365	4986	0.60	0.68
68	61	9430	7129	0.76	0.47	8870	6705	0.76	0.53	8160	6169	0.76	0.58	7488	5661	0.76	0.63
68	64	10307	6555	0.64	0.52	9747	6199	0.64	0.58	9037	5748	0.64	0.63	8365	5320	0.64	0.68
68	68	10755	5550	0.52	0.55	10307	5318	0.52	0.60	9710	5010	0.52	0.65	9000	4644	0.52	0.71
72	61	9430	7883	0.84	0.47	8870	7415	0.84	0.53	8160	6822	0.84	0.58	7488	6260	0.84	0.63
72	64	10307	7380	0.72	0.52	9747	6979	0.72	0.58	9037	6471	0.72	0.63	8365	5989	0.72	0.68
72	68	10755	6410	0.60	0.55	10307	6143	0.60	0.60	9710	5787	0.60	0.65	9000	5364	0.60	0.71
75	61	9430	8638	0.92	0.47	8870	8124	0.92	0.53	8160	7475	0.92	0.58	7488	6859	0.92	0.63
75	64	10307	8204	0.80	0.52	9747	7759	0.80	0.58	9037	7194	0.80	0.63	8365	6659	0.80	0.68
75	68	10755	7271	0.68	0.55	10307	6968	0.68	0.60	9710	6564	0.68	0.65	9000	6084	0.68	0.71
75	72	11353	6312	0.56	0.57	10979	6104	0.56	0.63	10307	5731	0.56	0.69	9635	5357	0.56	0.74
79	61	9430	9392	1.00	0.47	8870	8834	1.00	0.53	8160	8127	1.00	0.58	7488	7458	1.00	0.63
79	64	10307	9029	0.88	0.52	9747	8538	0.88	0.58	9037	7917	0.88	0.63	8365	7328	0.88	0.68
79	68	10755	8131	0.76	0.55	10307	7792	0.76	0.60	9710	7340	0.76	0.65	9000	6804	0.76	0.71
79	72	11353	7220	0.64	0.57	10979	6983	0.64	0.63	10307	6555	0.64	0.69	9635	6128	0.64	0.74
81	61	9430	9430	1.00	0.47	8870	8870	1.00	0.53	8160	8160	1.00	0.58	7488	7488	1.00	0.63
81	64	10307	9441	0.92	0.52	9747	8928	0.92	0.58	9037	8278	0.92	0.63	8365	7662	0.92	0.68
81	68	10755	8561	0.80	0.55	10307	8204	0.80	0.60	9710	7729	0.80	0.65	9000	7164	0.80	0.71
81	72	11353	7674	0.68	0.57	10979	7422	0.68	0.63	10307	6968	0.68	0.69	9635	6513	0.68	0.74
82	61	9430	9430	1.00	0.47	8870	8870	1.00	0.53	8160	8160	1.00	0.58	7488	7488	1.00	0.63
82	64	10307	9854	0.96	0.52	9747	9318	0.96	0.58	9037	8640	0.96	0.63	8365	7997	0.96	0.68
82	68	10755	8991	0.84	0.55	10307	8617	0.84	0.60	9710	8117	0.84	0.65	9000	7524	0.84	0.71
82	72	11353	8129	0.72	0.57	10979	7861	0.72	0.63	10307	7380	0.72	0.69	9635	6899	0.72	0.74
86	61	9430	9430	1.00	0.47	8870	8870	1.00	0.53	8160	8160	1.00	0.58	7488	7488	1.00	0.63
86	64	10307	10307	1.00	0.52	9747	9747	1.00	0.58	9037	9037	1.00	0.63	8365	8365	1.00	0.68
86	68	10755	9852	0.92	0.55	10307	9441	0.92	0.60	9710	8894	0.92	0.65	9000	8244	0.92	0.71
86	72	11353	9037	0.80	0.57	10979	8739	0.80	0.63	10307	8204	0.80	0.69	9635	7669	0.80	0.74
90	61	9430	9430	1.00	0.47	8870	8870	1.00	0.53	8160	8160	1.00	0.58	7488	7488	1.00	0.63
90	64	10307	10307	1.00	0.52	9747	9747	1.00	0.58	9037	9037	1.00	0.63	8365	8365	1.00	0.68
90	68	10755	10712	1.00	0.55	10307	10266	1.00	0.60	9710	9671	1.00	0.65	9000	8964	1.00	0.71
90	72	11353	9945	0.88	0.57	10979	9618	0.88	0.63	10307	9029	0.88	0.69	9635	8440	0.88	0.74

NOTE CA: Capacity(Btu/h) SHC: Sensible heat capacity (Btu/h) DB: Dry-bulb temperature
P.C. : Power consumption (kW) SHF: Sensible heat factor WB: Wet-bulb temperature

COOLING CAPACITY

MLZ-KP09NA: SUZ-KA09NA(H)2

CAPACITY (Btu/h): 9000 INPUT (kW): 0.71 SHF: 0.82

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)							
		104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	6816	4880	0.72	0.66	6143	4399	0.72	0.70
68	64	7693	4585	0.60	0.71	7021	4184	0.60	0.75
68	61	6816	5153	0.76	0.66	6143	4644	0.76	0.70
68	64	7693	4893	0.64	0.71	7021	4465	0.64	0.75
68	68	8290	4278	0.52	0.75	7693	3970	0.52	0.78
72	61	6816	5698	0.84	0.66	6143	5136	0.84	0.70
72	64	7693	5508	0.72	0.71	7021	5027	0.72	0.75
72	68	8290	4941	0.60	0.75	7693	4585	0.60	0.78
75	61	6816	6243	0.92	0.66	6143	5627	0.92	0.70
75	64	7693	6124	0.80	0.71	7021	5589	0.80	0.75
75	68	8290	5604	0.68	0.75	7693	5200	0.68	0.78
75	72	8963	4983	0.56	0.77	8216	4568	0.56	0.80
79	61	6816	6788	1.00	0.66	6143	6119	1.00	0.70
79	64	7693	6739	0.88	0.71	7021	6150	0.88	0.75
79	68	8290	6268	0.76	0.75	7693	5816	0.76	0.78
79	72	8963	5700	0.64	0.77	8216	5225	0.64	0.80
81	61	6816	6816	1.00	0.66	6143	6143	1.00	0.70
81	64	7693	7047	0.92	0.71	7021	6431	0.92	0.75
81	68	8290	6599	0.80	0.75	7693	6124	0.80	0.78
81	72	8963	6059	0.68	0.77	8216	5554	0.68	0.80
82	61	6816	6816	1.00	0.66	6143	6143	1.00	0.70
82	64	7693	7354	0.96	0.71	7021	6712	0.96	0.75
82	68	8290	6931	0.84	0.75	7693	6431	0.84	0.78
82	72	8963	6417	0.72	0.77	8216	5882	0.72	0.80
86	61	6816	6816	1.00	0.66	6143	6143	1.00	0.70
86	64	7693	7693	1.00	0.71	7021	7021	1.00	0.75
86	68	8290	7594	0.92	0.75	7693	7047	0.92	0.78
86	72	8963	7134	0.80	0.77	8216	6540	0.80	0.80
90	61	6816	6816	1.00	0.66	6143	6143	1.00	0.70
90	64	7693	7693	1.00	0.71	7021	7021	1.00	0.75
90	68	8290	8257	1.00	0.75	7693	7662	1.00	0.78
90	72	8963	7851	0.88	0.77	8216	7197	0.88	0.80

NOTE CA: Capacity(Btu/h) SHC: Sensible heat capacity (Btu/h) DB: Dry-bulb temperature
P.C. : Power consumption (kW) SHF: Sensible heat factor WB: Wet-bulb temperature

COOLING CAPACITY

MLZ-KP12NA: SUZ-KA12NA(H)2

CAPACITY (Btu/h): 12000 INPUT (kW): 0.96 SHF: 0.74

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		68				77				86				95			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	12573	7996	0.64	0.64	11826	7521	0.64	0.72	10880	6920	0.64	0.79	9984	6350	0.64	0.86
68	64	13743	7091	0.52	0.70	12996	6706	0.52	0.79	12050	6218	0.52	0.85	11154	5755	0.52	0.92
68	61	12573	8499	0.68	0.64	11826	7994	0.68	0.72	10880	7355	0.68	0.79	9984	6749	0.68	0.86
68	64	13743	7641	0.56	0.70	12996	7226	0.56	0.79	12050	6700	0.56	0.85	11154	6201	0.56	0.92
68	68	14340	6252	0.44	0.74	13743	5992	0.44	0.81	12946	5644	0.44	0.89	12000	5232	0.44	0.96
72	61	12573	9505	0.76	0.64	11826	8940	0.76	0.72	10880	8225	0.76	0.79	9984	7548	0.76	0.86
72	64	13743	8740	0.64	0.70	12996	8265	0.64	0.79	12050	7664	0.64	0.85	11154	7094	0.64	0.92
72	68	14340	7400	0.52	0.74	13743	7091	0.52	0.81	12946	6680	0.52	0.89	12000	6192	0.52	0.96
75	61	12573	10511	0.84	0.64	11826	9887	0.84	0.72	10880	9096	0.84	0.79	9984	8346	0.84	0.86
75	64	13743	9840	0.72	0.70	12996	9305	0.72	0.79	12050	8628	0.72	0.85	11154	7986	0.72	0.92
75	68	14340	8547	0.60	0.74	13743	8191	0.60	0.81	12946	7716	0.60	0.89	12000	7152	0.60	0.96
75	72	15137	7205	0.48	0.77	14639	6968	0.48	0.85	13743	6542	0.48	0.93	12846	6115	0.48	1.00
79	61	12573	11517	0.92	0.64	11826	10833	0.92	0.72	10880	9966	0.92	0.79	9984	9145	0.92	0.86
79	64	13743	10939	0.80	0.70	12996	10345	0.80	0.79	12050	9592	0.80	0.85	11154	8878	0.80	0.92
79	68	14340	9694	0.68	0.74	13743	9290	0.68	0.81	12946	8752	0.68	0.89	12000	8112	0.68	0.96
79	72	15137	8416	0.56	0.77	14639	8139	0.56	0.85	13743	7641	0.56	0.93	12846	7143	0.56	1.00
81	61	12573	12020	0.96	0.64	11826	11306	0.96	0.72	10880	10401	0.96	0.79	9984	9544	0.96	0.86
81	64	13743	11489	0.84	0.70	12996	10865	0.84	0.79	12050	10074	0.84	0.85	11154	9324	0.84	0.92
81	68	14340	10268	0.72	0.74	13743	9840	0.72	0.81	12946	9269	0.72	0.89	12000	8592	0.72	0.96
81	72	15137	9022	0.60	0.77	14639	8725	0.60	0.85	13743	8191	0.60	0.93	12846	7656	0.60	1.00
82	61	12573	12523	1.00	0.64	11826	11779	1.00	0.72	10880	10836	1.00	0.79	9984	9944	1.00	0.86
82	64	13743	12039	0.88	0.70	12996	11384	0.88	0.79	12050	10556	0.88	0.85	11154	9770	0.88	0.92
82	68	14340	10841	0.76	0.74	13743	10390	0.76	0.81	12946	9787	0.76	0.89	12000	9072	0.76	0.96
82	72	15137	9627	0.64	0.77	14639	9310	0.64	0.85	13743	8740	0.64	0.93	12846	8170	0.64	1.00
86	61	12573	12573	1.00	0.64	11826	11826	1.00	0.72	10880	10880	1.00	0.79	9984	9984	1.00	0.86
86	64	13743	13138	0.96	0.70	12996	12424	0.96	0.79	12050	11520	0.96	0.85	11154	10663	0.96	0.92
86	68	14340	11988	0.84	0.74	13743	11489	0.84	0.81	12946	10823	0.84	0.89	12000	10032	0.84	0.96
86	72	15137	10838	0.72	0.77	14639	10482	0.72	0.85	13743	9840	0.72	0.93	12846	9198	0.72	1.00
90	61	12573	12573	1.00	0.64	11826	11826	1.00	0.72	10880	10880	1.00	0.79	9984	9984	1.00	0.86
90	64	13743	13743	1.00	0.70	12996	12996	1.00	0.79	12050	12050	1.00	0.85	11154	11154	1.00	0.92
90	68	14340	13136	0.92	0.74	13743	12588	0.92	0.81	12946	11859	0.92	0.89	12000	10992	0.92	0.96
90	72	15137	12049	0.80	0.77	14639	11653	0.80	0.85	13743	10939	0.80	0.93	12846	10226	0.80	1.00

NOTE CA: Capacity(Btu/h) SHC: Sensible heat capacity (Btu/h) DB: Dry-bulb temperature
P.C. : Power consumption (kW) SHF: Sensible heat factor WB: Wet-bulb temperature

COOLING CAPACITY

MLZ-KP12NA: SUZ-KA12NA(H)2

CAPACITY (Btu/h): 12000 INPUT (kW): 0.96 SHF: 0.74

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)							
		104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	9087	5780	0.64	0.90	8191	5210	0.64	0.94
68	64	10257	5293	0.52	0.96	9361	4830	0.52	1.01
68	61	9087	6143	0.68	0.90	8191	5537	0.68	0.94
68	64	10257	5703	0.56	0.96	9361	5205	0.56	1.01
68	68	11054	4820	0.44	1.01	10257	4472	0.44	1.05
72	61	9087	6870	0.76	0.90	8191	6193	0.76	0.94
72	64	10257	6524	0.64	0.96	9361	5954	0.64	1.01
72	68	11054	5704	0.52	1.01	10257	5293	0.52	1.05
75	61	9087	7597	0.84	0.90	8191	6848	0.84	0.94
75	64	10257	7344	0.72	0.96	9361	6702	0.72	1.01
75	68	11054	6588	0.60	1.01	10257	6113	0.60	1.05
75	72	11950	5688	0.48	1.05	10954	5214	0.48	1.08
79	61	9087	8324	0.92	0.90	8191	7503	0.92	0.94
79	64	10257	8165	0.80	0.96	9361	7451	0.80	1.01
79	68	11054	7472	0.68	1.01	10257	6934	0.68	1.05
79	72	11950	6644	0.56	1.05	10954	6091	0.56	1.08
81	61	9087	8688	0.96	0.90	8191	7831	0.96	0.94
81	64	10257	8575	0.84	0.96	9361	7826	0.84	1.01
81	68	11054	7915	0.72	1.01	10257	7344	0.72	1.05
81	72	11950	7122	0.60	1.05	10954	6529	0.60	1.08
82	61	9087	9051	1.00	0.90	8191	8158	1.00	0.94
82	64	10257	8985	0.88	0.96	9361	8200	0.88	1.01
82	68	11054	8357	0.76	1.01	10257	7754	0.76	1.05
82	72	11950	7600	0.64	1.05	10954	6967	0.64	1.08
86	61	9087	9087	1.00	0.90	8191	8191	1.00	0.94
86	64	10257	9806	0.96	0.96	9361	8949	0.96	1.01
86	68	11054	9241	0.84	1.01	10257	8575	0.84	1.05
86	72	11950	8556	0.72	1.05	10954	7843	0.72	1.08
90	61	9087	9087	1.00	0.90	8191	8191	1.00	0.94
90	64	10257	10257	1.00	0.96	9361	9361	1.00	1.01
90	68	11054	10125	0.92	1.01	10257	9396	0.92	1.05
90	72	11950	9512	0.80	1.05	10954	8720	0.80	1.08

NOTE CA: Capacity(Btu/h) SHC: Sensible heat capacity (Btu/h) DB: Dry-bulb temperature
P.C. : Power consumption (kW) SHF: Sensible heat factor WB: Wet-bulb temperature

COOLING CAPACITY

MLZ-KP18NA: SUZ-KA18NA(H)2

CAPACITY (Btu/h): 18000 INPUT (kW): 1.44 SHF: 0.67

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		68				77				86				95			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	18859	10674	0.57	0.95	17739	10040	0.57	1.08	16320	9237	0.57	1.18	14976	8476	0.57	1.28
68	64	20614	9194	0.45	1.05	19494	8694	0.45	1.18	18075	8061	0.45	1.28	16730	7462	0.45	1.38
68	61	18859	11429	0.61	0.95	17739	10750	0.61	1.08	16320	9890	0.61	1.18	14976	9075	0.61	1.28
68	64	20614	10018	0.49	1.05	19494	9474	0.49	1.18	18075	8784	0.49	1.28	16730	8131	0.49	1.38
68	68	21510	7873	0.37	1.11	20614	7545	0.37	1.21	19419	7107	0.37	1.33	18000	6588	0.37	1.44
72	61	18859	12938	0.69	0.95	17739	12169	0.69	1.08	16320	11196	0.69	1.18	14976	10273	0.69	1.28
72	64	20614	11668	0.57	1.05	19494	11033	0.57	1.18	18075	10230	0.57	1.28	16730	9469	0.57	1.38
72	68	21510	9594	0.45	1.11	20614	9194	0.45	1.21	19419	8661	0.45	1.33	18000	8028	0.45	1.44
75	61	18859	14446	0.77	0.95	17739	13588	0.77	1.08	16320	12501	0.77	1.18	14976	11471	0.77	1.28
75	64	20614	13317	0.65	1.05	19494	12593	0.65	1.18	18075	11676	0.65	1.28	16730	10808	0.65	1.38
75	68	21510	11314	0.53	1.11	20614	10843	0.53	1.21	19419	10214	0.53	1.33	18000	9468	0.53	1.44
75	72	22705	9218	0.41	1.16	21959	8915	0.41	1.28	20614	8369	0.41	1.39	19270	7824	0.41	1.50
79	61	18859	15955	0.85	0.95	17739	15007	0.85	1.08	16320	13807	0.85	1.18	14976	12669	0.85	1.28
79	64	20614	14966	0.73	1.05	19494	14152	0.73	1.18	18075	13122	0.73	1.28	16730	12146	0.73	1.38
79	68	21510	13035	0.61	1.11	20614	12492	0.61	1.21	19419	11768	0.61	1.33	18000	10908	0.61	1.44
79	72	22705	11035	0.49	1.16	21959	10672	0.49	1.28	20614	10018	0.49	1.39	19270	9365	0.49	1.50
81	61	18859	16709	0.89	0.95	17739	15717	0.89	1.08	16320	14460	0.89	1.18	14976	13268	0.89	1.28
81	64	20614	15790	0.77	1.05	19494	14932	0.77	1.18	18075	13845	0.77	1.28	16730	12815	0.77	1.38
81	68	21510	13896	0.65	1.11	20614	13317	0.65	1.21	19419	12545	0.65	1.33	18000	11628	0.65	1.44
81	72	22705	11943	0.53	1.16	21959	11550	0.53	1.28	20614	10843	0.53	1.39	19270	10136	0.53	1.50
82	61	18859	17464	0.93	0.95	17739	16426	0.93	1.08	16320	15112	0.93	1.18	14976	13867	0.93	1.28
82	64	20614	16615	0.81	1.05	19494	15712	0.81	1.18	18075	14568	0.81	1.28	16730	13485	0.81	1.38
82	68	21510	14756	0.69	1.11	20614	14141	0.69	1.21	19419	13321	0.69	1.33	18000	12348	0.69	1.44
82	72	22705	12851	0.57	1.16	21959	12429	0.57	1.28	20614	11668	0.57	1.39	19270	10907	0.57	1.50
86	61	18859	18859	1.00	0.95	17739	17739	1.00	1.08	16320	16320	1.00	1.18	14976	14976	1.00	1.28
86	64	20614	18264	0.89	1.05	19494	17271	0.89	1.18	18075	16014	0.89	1.28	16730	14823	0.89	1.38
86	68	21510	16477	0.77	1.11	20614	15790	0.77	1.21	19419	14875	0.77	1.33	18000	13788	0.77	1.44
86	72	22705	14668	0.65	1.16	21959	14185	0.65	1.28	20614	13317	0.65	1.39	19270	12448	0.65	1.50
90	61	18859	18859	1.00	0.95	17739	17739	1.00	1.08	16320	16320	1.00	1.18	14976	14976	1.00	1.28
90	64	20614	19913	0.97	1.05	19494	18831	0.97	1.18	18075	17460	0.97	1.28	16730	16161	0.97	1.38
90	68	21510	18198	0.85	1.11	20614	17440	0.85	1.21	19419	16429	0.85	1.33	18000	15228	0.85	1.44
90	72	22705	16484	0.73	1.16	21959	15942	0.73	1.28	20614	14966	0.73	1.39	19270	13990	0.73	1.50

NOTE CA: Capacity(Btu/h) SHC: Sensible heat capacity (Btu/h) DB: Dry-bulb temperature
P.C. : Power consumption (kW) SHF: Sensible heat factor WB: Wet-bulb temperature

COOLING CAPACITY

MLZ-KP18NA: SUZ-KA18NA(H)2

CAPACITY (Btu/h): 18000 INPUT (kW): 1.44 SHF: 0.67

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)							
		104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	13631	7715	0.57	1.35	12287	6954	0.57	1.41
68	64	15386	6862	0.45	1.45	14041	6263	0.45	1.51
68	61	13631	8261	0.61	1.35	12287	7446	0.61	1.41
68	64	15386	7478	0.49	1.45	14041	6824	0.49	1.51
68	68	16581	6069	0.37	1.51	15386	5631	0.37	1.58
72	61	13631	9351	0.69	1.35	12287	8429	0.69	1.41
72	64	15386	8708	0.57	1.45	14041	7947	0.57	1.51
72	68	16581	7395	0.45	1.51	15386	6862	0.45	1.58
75	61	13631	10441	0.77	1.35	12287	9412	0.77	1.41
75	64	15386	9939	0.65	1.45	14041	9071	0.65	1.51
75	68	16581	8722	0.53	1.51	15386	8093	0.53	1.58
75	72	17925	7278	0.41	1.57	16432	6671	0.41	1.62
79	61	13631	11532	0.85	1.35	12287	10395	0.85	1.41
79	64	15386	11170	0.73	1.45	14041	10194	0.73	1.51
79	68	16581	10048	0.61	1.51	15386	9324	0.61	1.58
79	72	17925	8712	0.49	1.57	16432	7986	0.49	1.62
81	61	13631	12077	0.89	1.35	12287	10886	0.89	1.41
81	64	15386	11786	0.77	1.45	14041	10756	0.77	1.51
81	68	16581	10711	0.65	1.51	15386	9939	0.65	1.58
81	72	17925	9429	0.53	1.57	16432	8643	0.53	1.62
82	61	13631	12622	0.93	1.35	12287	11378	0.93	1.41
82	64	15386	12401	0.81	1.45	14041	11317	0.81	1.51
82	68	16581	11375	0.69	1.51	15386	10555	0.69	1.58
82	72	17925	10146	0.57	1.57	16432	9300	0.57	1.62
86	61	13631	13631	1.00	1.35	12287	12287	1.00	1.41
86	64	15386	13632	0.89	1.45	14041	12441	0.89	1.51
86	68	16581	12701	0.77	1.51	15386	11786	0.77	1.58
86	72	17925	11580	0.65	1.57	16432	10615	0.65	1.62
90	61	13631	13631	1.00	1.35	12287	12287	1.00	1.41
90	64	15386	14863	0.97	1.45	14041	13564	0.97	1.51
90	68	16581	14027	0.85	1.51	15386	13016	0.85	1.58
90	72	17925	13014	0.73	1.57	16432	11929	0.73	1.62

NOTE CA: Capacity(Btu/h) SHC: Sensible heat capacity (Btu/h) DB: Dry-bulb temperature
P.C. : Power consumption (kW) SHF: Sensible heat factor WB: Wet-bulb temperature

COOLING CAPACITY

MLZ-KP09NA: SUZ-KA09NAHZ

CAPACITY (Btu/h): 9000 INPUT (kW): 0.72 SHF: 0.78

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		68				77				86				95			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	9430	6374	0.68	0.48	8870	5996	0.68	0.54	8160	5516	0.68	0.59	7488	5062	0.68	0.64
68	64	10307	5731	0.56	0.53	9747	5419	0.56	0.59	9037	5025	0.56	0.64	8365	4651	0.56	0.69
68	61	9430	6752	0.72	0.48	8870	6351	0.72	0.54	8160	5843	0.72	0.59	7488	5361	0.72	0.64
68	64	10307	6143	0.60	0.53	9747	5809	0.60	0.59	9037	5386	0.60	0.64	8365	4986	0.60	0.69
68	68	10755	5119	0.48	0.56	10307	4906	0.48	0.60	9710	4622	0.48	0.66	9000	4284	0.48	0.72
72	61	9430	7506	0.80	0.48	8870	7060	0.80	0.54	8160	6495	0.80	0.59	7488	5960	0.80	0.64
72	64	10307	6968	0.68	0.53	9747	6589	0.68	0.59	9037	6109	0.68	0.64	8365	5655	0.68	0.69
72	68	10755	5980	0.56	0.56	10307	5731	0.56	0.60	9710	5399	0.56	0.66	9000	5004	0.56	0.72
75	61	9430	8260	0.88	0.48	8870	7770	0.88	0.54	8160	7148	0.88	0.59	7488	6559	0.88	0.64
75	64	10307	7792	0.76	0.53	9747	7369	0.76	0.59	9037	6832	0.76	0.64	8365	6324	0.76	0.69
75	68	10755	6840	0.64	0.56	10307	6555	0.64	0.60	9710	6175	0.64	0.66	9000	5724	0.64	0.72
75	72	11353	5858	0.52	0.58	10979	5665	0.52	0.64	10307	5318	0.52	0.70	9635	4972	0.52	0.75
79	61	9430	9015	0.96	0.48	8870	8479	0.96	0.54	8160	7801	0.96	0.59	7488	7158	0.96	0.64
79	64	10307	8617	0.84	0.53	9747	8148	0.84	0.59	9037	7555	0.84	0.64	8365	6993	0.84	0.69
79	68	10755	7701	0.72	0.56	10307	7380	0.72	0.60	9710	6952	0.72	0.66	9000	6444	0.72	0.72
79	72	11353	6766	0.60	0.58	10979	6544	0.60	0.64	10307	6143	0.60	0.70	9635	5742	0.60	0.75
81	61	9430	9392	1.00	0.48	8870	8834	1.00	0.54	8160	8127	1.00	0.59	7488	7458	1.00	0.64
81	64	10307	9029	0.88	0.53	9747	8538	0.88	0.59	9037	7917	0.88	0.64	8365	7328	0.88	0.69
81	68	10755	8131	0.76	0.56	10307	7792	0.76	0.60	9710	7340	0.76	0.66	9000	6804	0.76	0.72
81	72	11353	7220	0.64	0.58	10979	6983	0.64	0.64	10307	6555	0.64	0.70	9635	6128	0.64	0.75
82	61	9430	9430	1.00	0.48	8870	8870	1.00	0.54	8160	8160	1.00	0.59	7488	7488	1.00	0.64
82	64	10307	9441	0.92	0.53	9747	8928	0.92	0.59	9037	8278	0.92	0.64	8365	7662	0.92	0.69
82	68	10755	8561	0.80	0.56	10307	8204	0.80	0.60	9710	7729	0.80	0.66	9000	7164	0.80	0.72
82	72	11353	7674	0.68	0.58	10979	7422	0.68	0.64	10307	6968	0.68	0.70	9635	6513	0.68	0.75
86	61	9430	9430	1.00	0.48	8870	8870	1.00	0.54	8160	8160	1.00	0.59	7488	7488	1.00	0.64
86	64	10307	10266	1.00	0.53	9747	9708	1.00	0.59	9037	9001	1.00	0.64	8365	8332	1.00	0.69
86	68	10755	9422	0.88	0.56	10307	9029	0.88	0.60	9710	8506	0.88	0.66	9000	7884	0.88	0.72
86	72	11353	8583	0.76	0.58	10979	8300	0.76	0.64	10307	7792	0.76	0.70	9635	7284	0.76	0.75
90	61	9430	9430	1.00	0.48	8870	8870	1.00	0.54	8160	8160	1.00	0.59	7488	7488	1.00	0.64
90	64	10307	10307	1.00	0.53	9747	9747	1.00	0.59	9037	9037	1.00	0.64	8365	8365	1.00	0.69
90	68	10755	10282	0.96	0.56	10307	9854	0.96	0.60	9710	9282	0.96	0.66	9000	8604	0.96	0.72
90	72	11353	9491	0.84	0.58	10979	9179	0.84	0.64	10307	8617	0.84	0.70	9635	8055	0.84	0.75

NOTE CA: Capacity(Btu/h) SHC: Sensible heat capacity (Btu/h) DB: Dry-bulb temperature
P.C. : Power consumption (kW) SHF: Sensible heat factor WB: Wet-bulb temperature

COOLING CAPACITY

MLZ-KP09NA: SUZ-KA09NAHZ

CAPACITY (Btu/h): 9000 INPUT (kW): 0.72 SHF: 0.78

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)							
		104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	6816	4607	0.68	0.67	6143	4153	0.68	0.71
68	64	7693	4277	0.56	0.72	7021	3904	0.56	0.76
68	61	6816	4880	0.72	0.67	6143	4399	0.72	0.71
68	64	7693	4585	0.60	0.72	7021	4184	0.60	0.76
68	68	8290	3946	0.48	0.76	7693	3662	0.48	0.79
72	61	6816	5425	0.80	0.67	6143	4890	0.80	0.71
72	64	7693	5200	0.68	0.72	7021	4746	0.68	0.76
72	68	8290	4609	0.56	0.76	7693	4277	0.56	0.79
75	61	6816	5970	0.88	0.67	6143	5382	0.88	0.71
75	64	7693	5816	0.76	0.72	7021	5308	0.76	0.76
75	68	8290	5273	0.64	0.76	7693	4893	0.64	0.79
75	72	8963	4625	0.52	0.79	8216	4239	0.52	0.81
79	61	6816	6516	0.96	0.67	6143	5873	0.96	0.71
79	64	7693	6431	0.84	0.72	7021	5869	0.84	0.76
79	68	8290	5936	0.72	0.76	7693	5508	0.72	0.79
79	72	8963	5342	0.60	0.79	8216	4897	0.60	0.81
81	61	6816	6788	1.00	0.67	6143	6119	1.00	0.71
81	64	7693	6739	0.88	0.72	7021	6150	0.88	0.76
81	68	8290	6268	0.76	0.76	7693	5816	0.76	0.79
81	72	8963	5700	0.64	0.79	8216	5225	0.64	0.81
82	61	6816	6816	1.00	0.67	6143	6143	1.00	0.71
82	64	7693	7047	0.92	0.72	7021	6431	0.92	0.76
82	68	8290	6599	0.80	0.76	7693	6124	0.80	0.79
82	72	8963	6059	0.68	0.79	8216	5554	0.68	0.81
86	61	6816	6816	1.00	0.67	6143	6143	1.00	0.71
86	64	7693	7662	1.00	0.72	7021	6993	1.00	0.76
86	68	8290	7262	0.88	0.76	7693	6739	0.88	0.79
86	72	8963	6776	0.76	0.79	8216	6211	0.76	0.81
90	61	6816	6816	1.00	0.67	6143	6143	1.00	0.71
90	64	7693	7693	1.00	0.72	7021	7021	1.00	0.76
90	68	8290	7926	0.96	0.76	7693	7354	0.96	0.79
90	72	8963	7493	0.84	0.79	8216	6868	0.84	0.81

NOTE CA: Capacity(Btu/h) SHC: Sensible heat capacity (Btu/h) DB: Dry-bulb temperature
P.C. : Power consumption (kW) SHF: Sensible heat factor WB: Wet-bulb temperature

COOLING CAPACITY

MLZ-KP12NA: SUZ-KA12NAHZ

CAPACITY (Btu/h): 9000 INPUT (kW): 0.94 SHF: 0.71

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		68				77				86				95			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	12573	7619	0.61	0.62	11826	7167	0.61	0.71	10880	6593	0.61	0.77	9984	6050	0.61	0.84
68	64	13743	6679	0.49	0.69	12996	6316	0.49	0.77	12050	5856	0.49	0.84	11154	5421	0.49	0.90
68	61	12573	8122	0.65	0.62	11826	7640	0.65	0.71	10880	7028	0.65	0.77	9984	6449	0.65	0.84
68	64	13743	7229	0.53	0.69	12996	6836	0.53	0.77	12050	6338	0.53	0.84	11154	5867	0.53	0.90
68	68	14340	5822	0.41	0.73	13743	5580	0.41	0.79	12946	5256	0.41	0.87	12000	4872	0.41	0.94
72	61	12573	9128	0.73	0.62	11826	8586	0.73	0.71	10880	7899	0.73	0.77	9984	7248	0.73	0.84
72	64	13743	8328	0.61	0.69	12996	7875	0.61	0.77	12050	7302	0.61	0.84	11154	6759	0.61	0.90
72	68	14340	6969	0.49	0.73	13743	6679	0.49	0.79	12946	6292	0.49	0.87	12000	5832	0.49	0.94
75	61	12573	10134	0.81	0.62	11826	9532	0.81	0.71	10880	8769	0.81	0.77	9984	8047	0.81	0.84
75	64	13743	9428	0.69	0.69	12996	8915	0.69	0.77	12050	8266	0.69	0.84	11154	7651	0.69	0.90
75	68	14340	8117	0.57	0.73	13743	7778	0.57	0.79	12946	7327	0.57	0.87	12000	6792	0.57	0.94
75	72	15137	6751	0.45	0.76	14639	6529	0.45	0.84	13743	6129	0.45	0.91	12846	5730	0.45	0.98
79	61	12573	11140	0.89	0.62	11826	10478	0.89	0.71	10880	9640	0.89	0.77	9984	8846	0.89	0.84
79	64	13743	10527	0.77	0.69	12996	9955	0.77	0.77	12050	9230	0.77	0.84	11154	8544	0.77	0.90
79	68	14340	9264	0.65	0.73	13743	8878	0.65	0.79	12946	8363	0.65	0.87	12000	7752	0.65	0.94
79	72	15137	7962	0.53	0.76	14639	7700	0.53	0.84	13743	7229	0.53	0.91	12846	6757	0.53	0.98
81	61	12573	11643	0.93	0.62	11826	10951	0.93	0.71	10880	10075	0.93	0.77	9984	9245	0.93	0.84
81	64	13743	11077	0.81	0.69	12996	10475	0.81	0.77	12050	9712	0.81	0.84	11154	8990	0.81	0.90
81	68	14340	9837	0.69	0.73	13743	9428	0.69	0.79	12946	8881	0.69	0.87	12000	8232	0.69	0.94
81	72	15137	8568	0.57	0.76	14639	8286	0.57	0.84	13743	7778	0.57	0.91	12846	7271	0.57	0.98
82	61	12573	12145	0.97	0.62	11826	11424	0.97	0.71	10880	10510	0.97	0.77	9984	9644	0.97	0.84
82	64	13743	11626	0.85	0.69	12996	10994	0.85	0.77	12050	10194	0.85	0.84	11154	9436	0.85	0.90
82	68	14340	10411	0.73	0.73	13743	9977	0.73	0.79	12946	9399	0.73	0.87	12000	8712	0.73	0.94
82	72	15137	9173	0.61	0.76	14639	8871	0.61	0.84	13743	8328	0.61	0.91	12846	7785	0.61	0.98
86	61	12573	12573	1.00	0.62	11826	11826	1.00	0.71	10880	10880	1.00	0.77	9984	9984	1.00	0.84
86	64	13743	12726	0.93	0.69	12996	12034	0.93	0.77	12050	11158	0.93	0.84	11154	10328	0.93	0.90
86	68	14340	11558	0.81	0.73	13743	11077	0.81	0.79	12946	10435	0.81	0.87	12000	9672	0.81	0.94
86	72	15137	10384	0.69	0.76	14639	10042	0.69	0.84	13743	9428	0.69	0.91	12846	8813	0.69	0.98
90	61	12573	12573	1.00	0.62	11826	11826	1.00	0.71	10880	10880	1.00	0.77	9984	9984	1.00	0.84
90	64	13743	13743	1.00	0.69	12996	12996	1.00	0.77	12050	12050	1.00	0.84	11154	11154	1.00	0.90
90	68	14340	12705	0.89	0.73	13743	12176	0.89	0.79	12946	11470	0.89	0.87	12000	10632	0.89	0.94
90	72	15137	11595	0.77	0.76	14639	11213	0.77	0.84	13743	10527	0.77	0.91	12846	9840	0.77	0.98

NOTE CA: Capacity(Btu/h) SHC: Sensible heat capacity (Btu/h) DB: Dry-bulb temperature
P.C. : Power consumption (kW) SHF: Sensible heat factor WB: Wet-bulb temperature

COOLING CAPACITY

MLZ-KP12NA: SUZ-KA12NAHZ

CAPACITY (Btu/h): 9000 INPUT (kW): 0.94 SHF: 0.71

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)							
		104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	9087	5507	0.61	0.88	8191	4964	0.61	0.92
68	64	10257	4985	0.49	0.94	9361	4549	0.49	0.99
68	61	9087	5871	0.65	0.88	8191	5292	0.65	0.92
68	64	10257	5395	0.53	0.94	9361	4924	0.53	0.99
68	68	11054	4488	0.41	0.99	10257	4164	0.41	1.03
72	61	9087	6597	0.73	0.88	8191	5947	0.73	0.92
72	64	10257	6216	0.61	0.94	9361	5673	0.61	0.99
72	68	11054	5372	0.49	0.99	10257	4985	0.49	1.03
75	61	9087	7324	0.81	0.88	8191	6602	0.81	0.92
75	64	10257	7036	0.69	0.94	9361	6422	0.69	0.99
75	68	11054	6257	0.57	0.99	10257	5806	0.57	1.03
75	72	11950	5330	0.45	1.03	10954	4886	0.45	1.06
79	61	9087	8051	0.89	0.88	8191	7257	0.89	0.92
79	64	10257	7857	0.77	0.94	9361	7171	0.77	0.99
79	68	11054	7141	0.65	0.99	10257	6626	0.65	1.03
79	72	11950	6286	0.53	1.03	10954	5762	0.53	1.06
81	61	9087	8415	0.93	0.88	8191	7585	0.93	0.92
81	64	10257	8267	0.81	0.94	9361	7545	0.81	0.99
81	68	11054	7583	0.69	0.99	10257	7036	0.69	1.03
81	72	11950	6764	0.57	1.03	10954	6200	0.57	1.06
82	61	9087	8778	0.97	0.88	8191	7913	0.97	0.92
82	64	10257	8678	0.85	0.94	9361	7919	0.85	0.99
82	68	11054	8025	0.73	0.99	10257	7447	0.73	1.03
82	72	11950	7242	0.61	1.03	10954	6638	0.61	1.06
86	61	9087	9087	1.00	0.88	8191	8191	1.00	0.92
86	64	10257	9498	0.93	0.94	9361	8668	0.93	0.99
86	68	11054	8909	0.81	0.99	10257	8267	0.81	1.03
86	72	11950	8198	0.69	1.03	10954	7515	0.69	1.06
90	61	9087	9087	1.00	0.88	8191	8191	1.00	0.92
90	64	10257	10257	1.00	0.94	9361	9361	1.00	0.99
90	68	11054	9794	0.89	0.99	10257	9088	0.89	1.03
90	72	11950	9154	0.77	1.03	10954	8391	0.77	1.06

NOTE CA: Capacity(Btu/h) SHC: Sensible heat capacity (Btu/h) DB: Dry-bulb temperature
P.C. : Power consumption (kW) SHF: Sensible heat factor WB: Wet-bulb temperature

COOLING CAPACITY

MLZ-KP18NA: SUZ-KA18NAHZ

CAPACITY (Btu/h): 16700 INPUT (kW): 1.335 SHF: 0.66

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		68				77				86				95			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	17497	9729	0.56	0.88	16458	9151	0.56	1.01	15141	8419	0.56	1.10	13894	7725	0.56	1.19
68	64	19125	8339	0.44	0.98	18086	7885	0.44	1.10	16769	7311	0.44	1.19	15522	6768	0.44	1.28
68	61	17497	10428	0.60	0.88	16458	9809	0.60	1.01	15141	9024	0.60	1.10	13894	8281	0.60	1.19
68	64	19125	9104	0.48	0.98	18086	8609	0.48	1.10	16769	7982	0.48	1.19	15522	7388	0.48	1.28
68	68	19957	7105	0.36	1.03	19125	6809	0.36	1.12	18017	6414	0.36	1.23	16700	5945	0.36	1.34
72	61	17497	11828	0.68	0.88	16458	11126	0.68	1.01	15141	10236	0.68	1.10	13894	9392	0.68	1.19
72	64	19125	10634	0.56	0.98	18086	10056	0.56	1.10	16769	9324	0.56	1.19	15522	8630	0.56	1.28
72	68	19957	8701	0.44	1.03	19125	8339	0.44	1.12	18017	7855	0.44	1.23	16700	7281	0.44	1.34
75	61	17497	13228	0.76	0.88	16458	12442	0.76	1.01	15141	11447	0.76	1.10	13894	10504	0.76	1.19
75	64	19125	12164	0.64	0.98	18086	11503	0.64	1.10	16769	10665	0.64	1.19	15522	9872	0.64	1.28
75	68	19957	10298	0.52	1.03	19125	9869	0.52	1.12	18017	9297	0.52	1.23	16700	8617	0.52	1.34
75	72	21066	8342	0.40	1.07	20373	8068	0.40	1.19	19125	7574	0.40	1.29	17878	7080	0.40	1.39
79	61	17497	14628	0.84	0.88	16458	13759	0.84	1.01	15141	12658	0.84	1.10	13894	11615	0.84	1.19
79	64	19125	13694	0.72	0.98	18086	12949	0.72	1.10	16769	12007	0.72	1.19	15522	11114	0.72	1.28
79	68	19957	11894	0.60	1.03	19125	11399	0.60	1.12	18017	10738	0.60	1.23	16700	9953	0.60	1.34
79	72	21066	10027	0.48	1.07	20373	9697	0.48	1.19	19125	9104	0.48	1.29	17878	8510	0.48	1.39
81	61	17497	15328	0.88	0.88	16458	14417	0.88	1.01	15141	13264	0.88	1.10	13894	12171	0.88	1.19
81	64	19125	14459	0.76	0.98	18086	13673	0.76	1.10	16769	12678	0.76	1.19	15522	11735	0.76	1.28
81	68	19957	12693	0.64	1.03	19125	12164	0.64	1.12	18017	11459	0.64	1.23	16700	10621	0.64	1.34
81	72	21066	10870	0.52	1.07	20373	10512	0.52	1.19	19125	9869	0.52	1.29	17878	9225	0.52	1.39
82	61	17497	16028	0.92	0.88	16458	15075	0.92	1.01	15141	13869	0.92	1.10	13894	12727	0.92	1.19
82	64	19125	15224	0.80	0.98	18086	14396	0.80	1.10	16769	13348	0.80	1.19	15522	12356	0.80	1.28
82	68	19957	13491	0.68	1.03	19125	12929	0.68	1.12	18017	12179	0.68	1.23	16700	11289	0.68	1.34
82	72	21066	11712	0.56	1.07	20373	11327	0.56	1.19	19125	10634	0.56	1.29	17878	9940	0.56	1.39
86	61	17497	17427	1.00	0.88	16458	16392	1.00	1.01	15141	15081	1.00	1.10	13894	13838	1.00	1.19
86	64	19125	16754	0.88	0.98	18086	15843	0.88	1.10	16769	14690	0.88	1.19	15522	13597	0.88	1.28
86	68	19957	15087	0.76	1.03	19125	14459	0.76	1.12	18017	13621	0.76	1.23	16700	12625	0.76	1.34
86	72	21066	13398	0.64	1.07	20373	12957	0.64	1.19	19125	12164	0.64	1.29	17878	11370	0.64	1.39
90	61	17497	17497	1.00	0.88	16458	16458	1.00	1.01	15141	15141	1.00	1.10	13894	13894	1.00	1.19
90	64	19125	18284	0.96	0.98	18086	17290	0.96	1.10	16769	16031	0.96	1.19	15522	14839	0.96	1.28
90	68	19957	16684	0.84	1.03	19125	15989	0.84	1.12	18017	15062	0.84	1.23	16700	13961	0.84	1.34
90	72	21066	15083	0.72	1.07	20373	14587	0.72	1.19	19125	13694	0.72	1.29	17878	12801	0.72	1.39

NOTE CA: Capacity(Btu/h) SHC: Sensible heat capacity (Btu/h) DB: Dry-bulb temperature
P.C. : Power consumption (kW) SHF: Sensible heat factor WB: Wet-bulb temperature

COOLING CAPACITY

MLZ-KP18NA: SUZ-KA18NAHZ

CAPACITY (Btu/h): 16700 INPUT (kW): 1.335 SHF: 0.66

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)							
		104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	12647	7032	0.56	1.25	11399	6338	0.56	1.31
68	64	14275	6224	0.44	1.34	13027	5680	0.44	1.40
68	61	12647	7537	0.60	1.25	11399	6794	0.60	1.31
68	64	14275	6795	0.48	1.34	13027	6201	0.48	1.40
68	68	15383	5476	0.36	1.40	14275	5082	0.36	1.46
72	61	12647	8549	0.68	1.25	11399	7706	0.68	1.31
72	64	14275	7937	0.56	1.34	13027	7243	0.56	1.40
72	68	15383	6707	0.44	1.40	14275	6224	0.44	1.46
75	61	12647	9561	0.76	1.25	11399	8618	0.76	1.31
75	64	14275	9079	0.64	1.34	13027	8285	0.64	1.40
75	68	15383	7938	0.52	1.40	14275	7366	0.52	1.46
75	72	16631	6586	0.40	1.46	15245	6037	0.40	1.50
79	61	12647	10573	0.84	1.25	11399	9530	0.84	1.31
79	64	14275	10221	0.72	1.34	13027	9328	0.72	1.40
79	68	15383	9169	0.60	1.40	14275	8508	0.60	1.46
79	72	16631	7916	0.48	1.46	15245	7257	0.48	1.50
81	61	12647	11079	0.88	1.25	11399	9986	0.88	1.31
81	64	14275	10792	0.76	1.34	13027	9849	0.76	1.40
81	68	15383	9784	0.64	1.40	14275	9079	0.64	1.46
81	72	16631	8581	0.52	1.46	15245	7866	0.52	1.50
82	61	12647	11584	0.92	1.25	11399	10442	0.92	1.31
82	64	14275	11363	0.80	1.34	13027	10370	0.80	1.40
82	68	15383	10399	0.68	1.40	14275	9650	0.68	1.46
82	72	16631	9247	0.56	1.46	15245	8476	0.56	1.50
86	61	12647	12596	1.00	1.25	11399	11354	1.00	1.31
86	64	14275	12505	0.88	1.34	13027	11412	0.88	1.40
86	68	15383	11630	0.76	1.40	14275	10792	0.76	1.46
86	72	16631	10577	0.64	1.46	15245	9696	0.64	1.50
90	61	12647	12647	1.00	1.25	11399	11399	1.00	1.31
90	64	14275	13647	0.96	1.34	13027	12454	0.96	1.40
90	68	15383	12861	0.84	1.40	14275	11934	0.84	1.46
90	72	16631	11908	0.72	1.46	15245	10915	0.72	1.50

NOTE CA: Capacity(Btu/h) SHC: Sensible heat capacity (Btu/h) DB: Dry-bulb temperature
P.C. : Power consumption (kW) SHF: Sensible heat factor WB: Wet-bulb temperature

HEATING CAPACITY

MLZ-KP09NA: SUZ-KA09NA(H)2

CAPACITY (Btu/h): 12000 INPUT (kW): 0.86

Indoor DB (˚F)	Outdoor intake air WB temperature (˚F)											
	14		23		32		41		50		59	
	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
59	7737	0.57	9422	0.68	10270	0.73	11975	0.81	13690	0.88	15413	0.92
68	7317	0.62	9019	0.72	9876	0.77	11587	0.85	13279	0.90	14934	0.95
77	6603	0.66	8379	0.76	9263	0.81	11006	0.88	12701	0.94	14324	0.98

MLZ-KP12NA: SUZ-KA12NA(H)2

CAPACITY (Btu/h): 15400 INPUT (kW): 1.30

Indoor DB (˚F)	Outdoor intake air WB temperature (˚F)											
	14		23		32		41		50		59	
	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
59	9929	0.86	12092	1.02	13180	1.10	15368	1.23	17569	1.33	19780	1.39
68	9390	0.93	11575	1.09	12674	1.16	14870	1.28	17041	1.37	19165	1.43
77	8473	0.99	10753	1.15	11887	1.22	14125	1.34	16299	1.42	18382	1.48

MLZ-KP18NA: SUZ-KA18NA(H)2

CAPACITY (Btu/h): 20000 INPUT (kW): 1.77

Indoor DB (˚F)	Outdoor intake air WB temperature (˚F)											
	14		23		32		41		50		59	
	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
59	12895	1.17	15704	1.39	17117	1.49	19958	1.67	22816	1.81	25688	1.90
68	12194	1.27	15032	1.49	16460	1.58	19311	1.74	22132	1.86	24890	1.95
77	11004	1.35	13966	1.57	15438	1.66	18344	1.82	21168	1.94	23873	2.01

NOTE: CA: Capacity(Btu/h) P.C. : Power consumption (kW) DB: Dry-bulb temperature WB: Wet-bulb temperature

HEATING CAPACITY

MLZ-KP09NA: SUZ-KA09NAHZ

CAPACITY (Btu/h): 12000 INPUT (kW): 0.84

Indoor DB (˚F)	Outdoor intake air WB temperature (˚F)											
	14		23		32		41		50		59	
	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
59	8280	0.66	10080	0.77	10980	0.82	12540	0.81	13620	0.86	14880	0.90
68	7860	0.68	9660	0.79	10500	0.84	12060	0.83	13140	0.88	14400	0.92
77	7560	0.70	9360	0.81	10200	0.86	11640	0.85	12720	0.90	13920	0.94

MLZ-KP12NA: SUZ-KA12NAHZ

CAPACITY (Btu/h): 15000 INPUT (kW): 1.13

Indoor DB (˚F)	Outdoor intake air WB temperature (˚F)											
	14		23		32		41		50		59	
	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
59	10350	0.89	12600	1.04	13725	1.11	15675	1.10	17025	1.15	18600	1.21
68	9825	0.92	12075	1.07	13125	1.13	15075	1.12	16425	1.18	18000	1.23
77	9450	0.94	11700	1.09	12750	1.16	14550	1.15	15900	1.20	17400	1.26

MLZ-KP18NA: SUZ-KA18NAHZ

CAPACITY (Btu/h): 18600 INPUT (kW): 1.78

Indoor DB (˚F)	Outdoor intake air WB temperature (˚F)											
	14		23		32		41		50		59	
	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
59	12834	1.40	15624	1.64	17019	1.74	19437	1.73	21111	1.81	23064	1.90
68	12183	1.44	14973	1.68	16275	1.79	18693	1.77	20367	1.85	22320	1.94
77	11718	1.48	14508	1.72	15810	1.83	18042	1.81	19716	1.90	21576	1.99

NOTE: CA: Capacity(Btu/h) P.C. : Power consumption (kW) DB: Dry-bulb temperature WB: Wet-bulb temperature

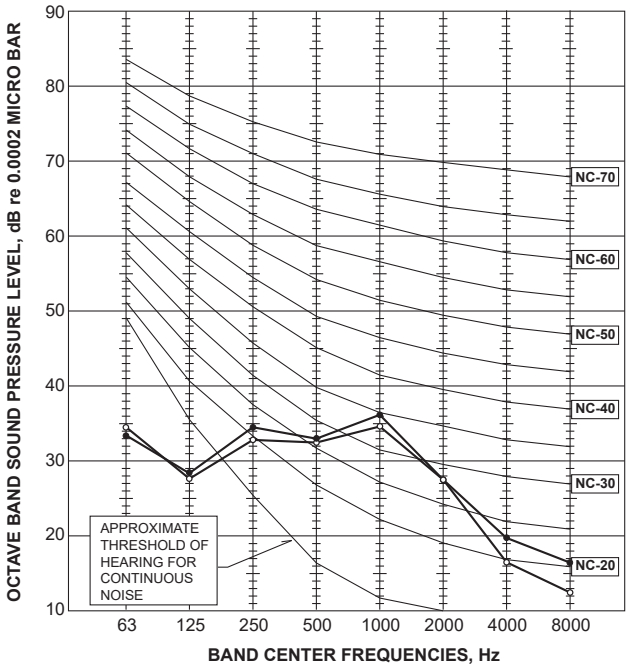
A.3.6 NOISE CRITERIA CURVES

A.3.6.1 Inverter Heat Pump

MLZ-KP09NA

INDOOR UNIT

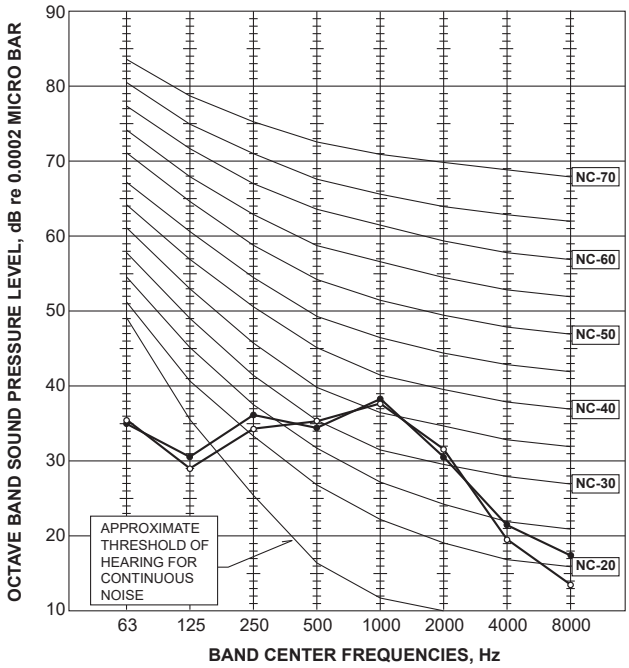
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	COOLING	38	●—●
	HEATING	37	○—○



MLZ-KP12NA

INDOOR UNIT

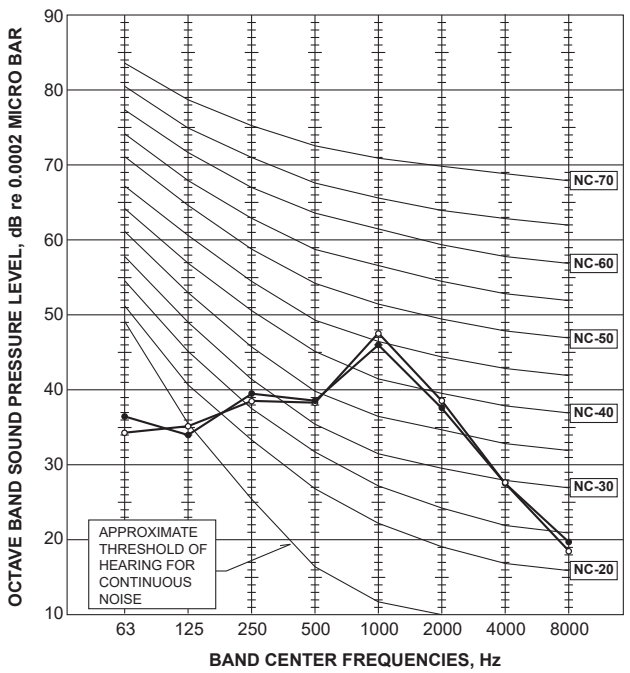
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	COOLING	40	●—●
	HEATING	40	○—○

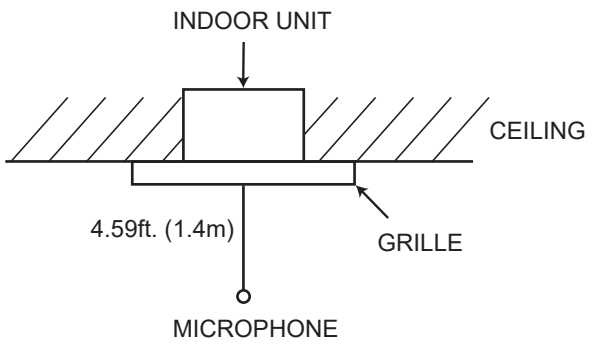


MLZ-KP18NA

INDOOR UNIT

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	COOLING	47	●—●
	HEATING	48	○—○





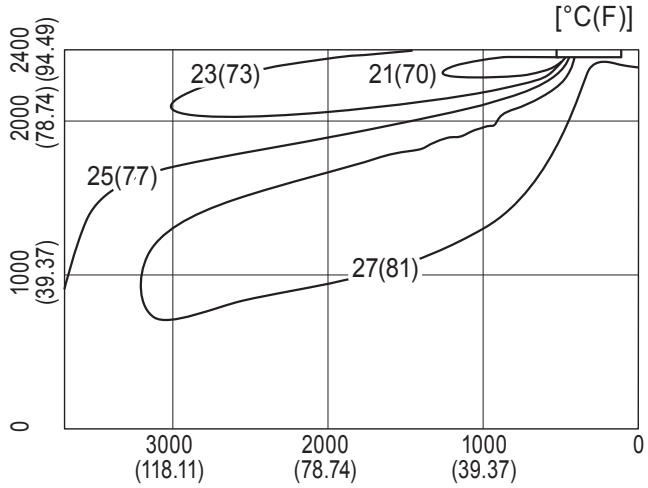
A.3.7 TEMPERATURE AND AIR FLOW DISTRIBUTIONS

MLZ-KP09NA

Temperature distribution

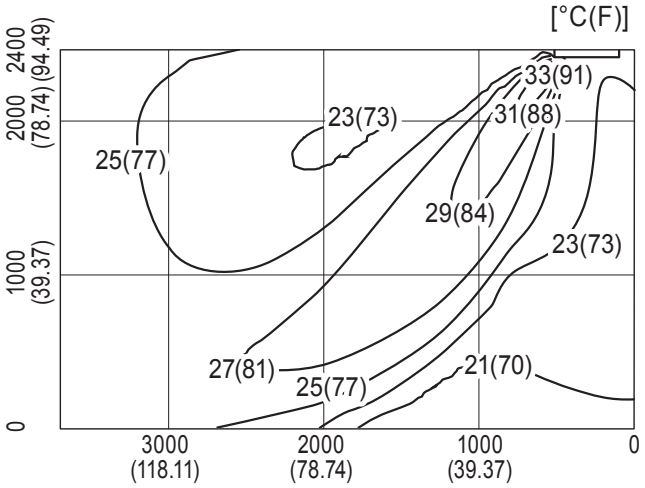
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

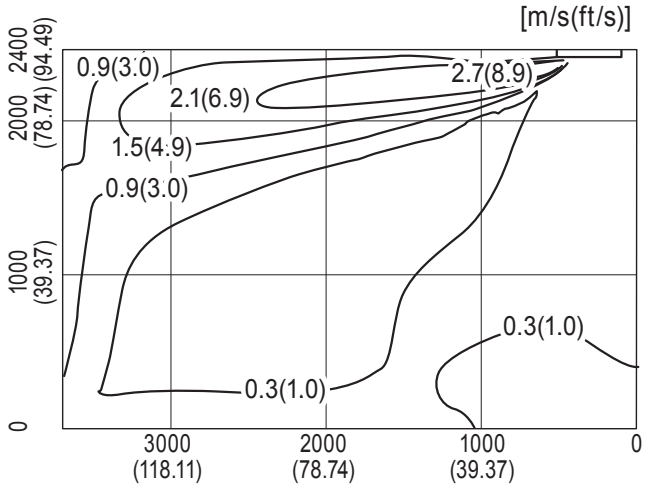
Air volume: high
Air direction: auto (downward air flow)



Airflow distribution

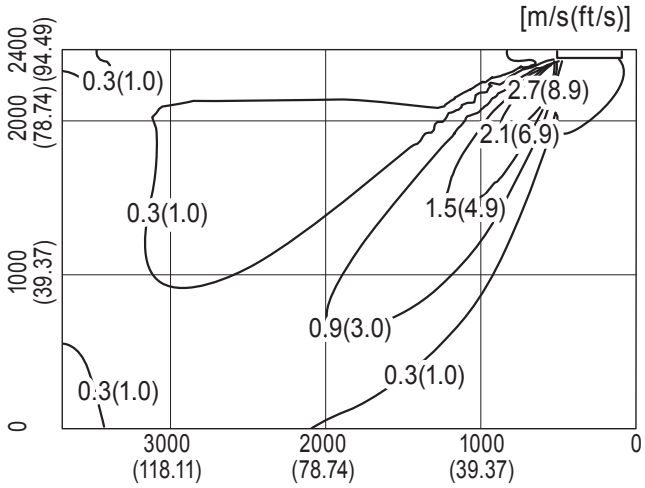
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

Air volume: high
Air direction: auto (downward air flow)



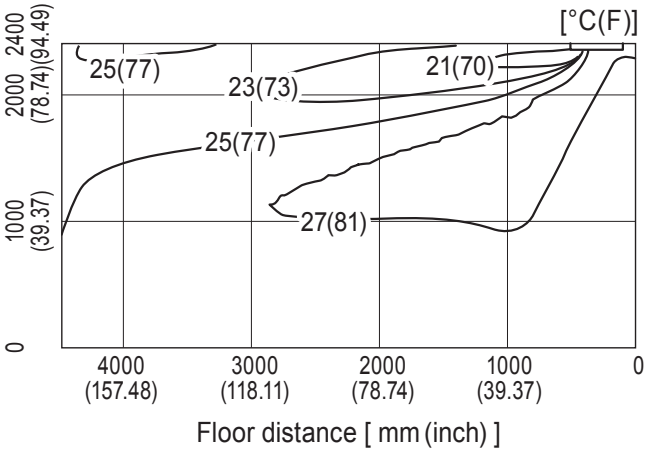
Note: These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

MLZ-KP12NA

Temperature distribution

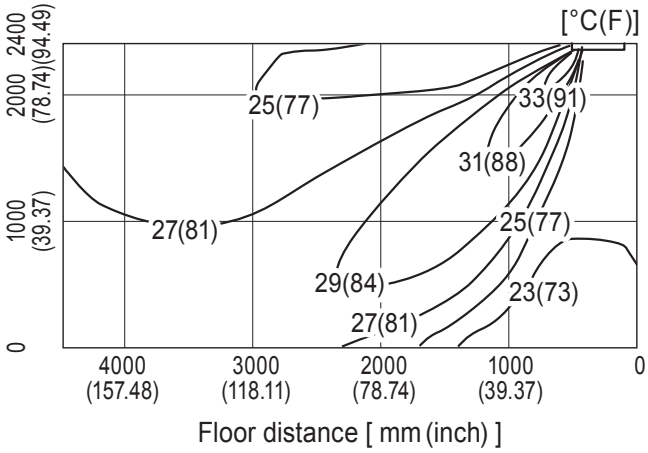
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

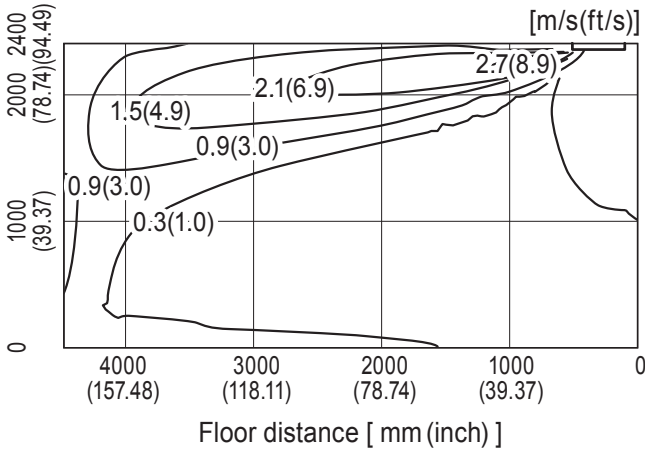
Air volume: high
Air direction: auto (downward air flow)



Airflow distribution

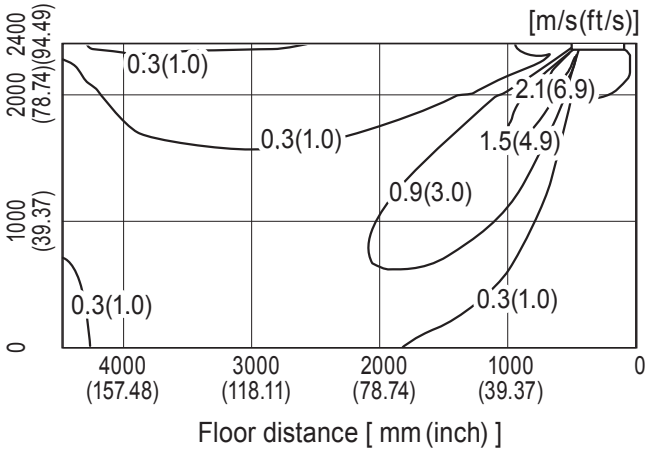
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

Air volume: high
Air direction: auto (downward air flow)



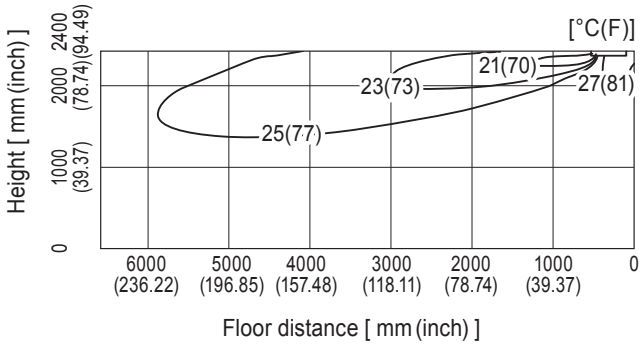
Note: These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

MLZ-KP18NA

Temperature distribution

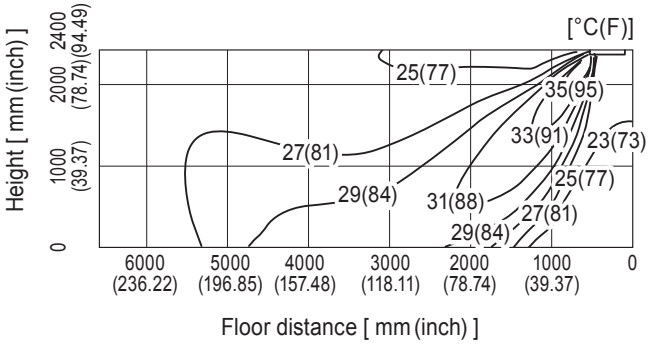
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

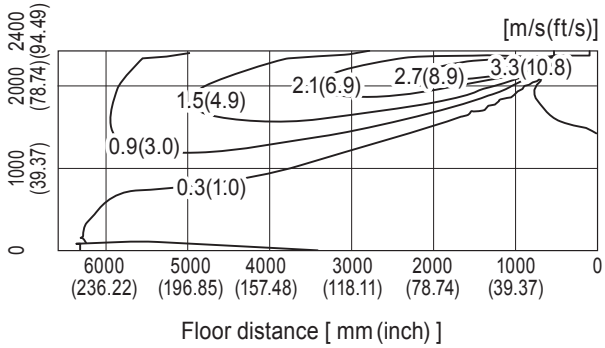
Air volume: high
Air direction: auto (downward air flow)



Airflow distribution

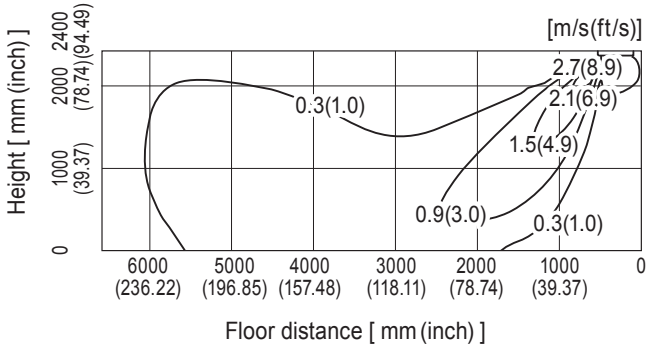
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

Air volume: high
Air direction: auto (downward air flow)



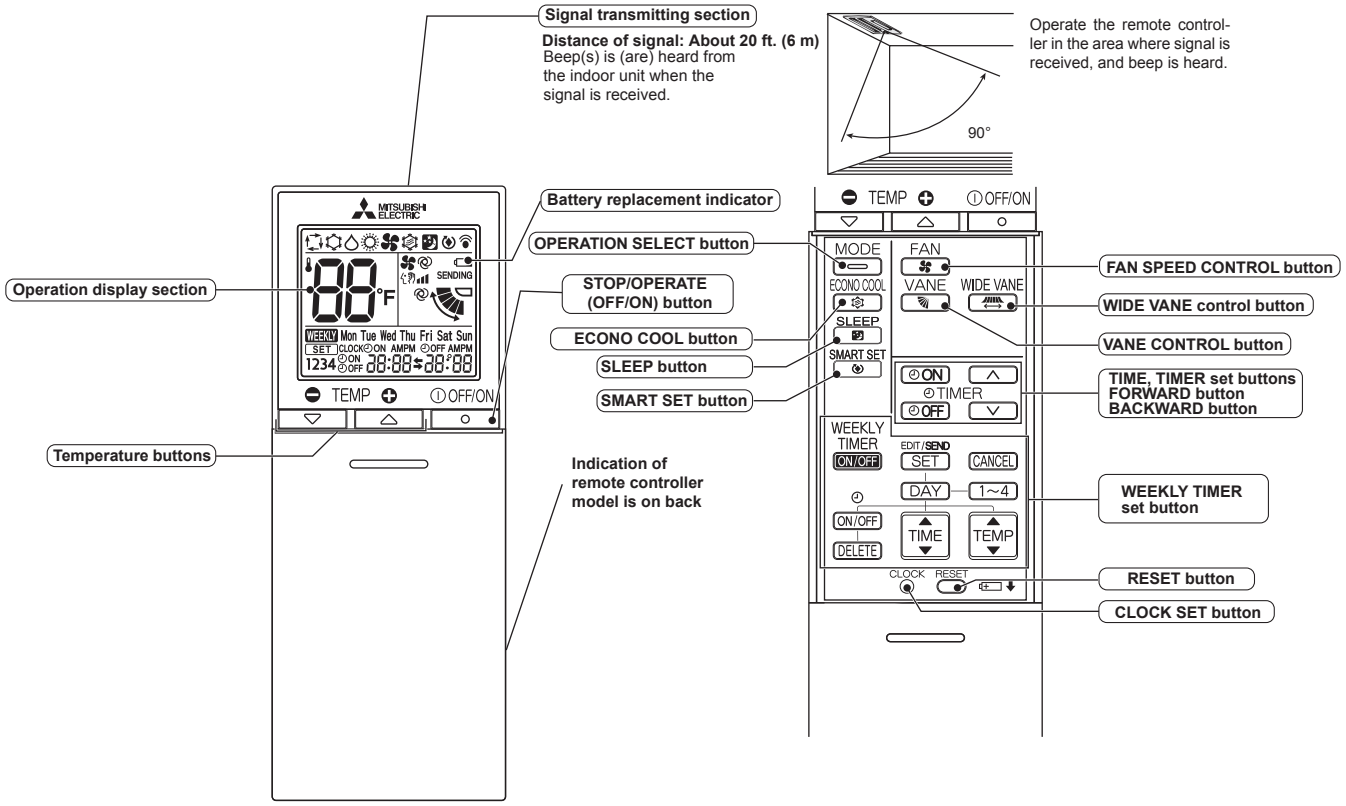
Note: These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

A.3.8 OPERATION

A.3.8.1 MLZ-KP•NA Series

MLZ-KP09NA MLZ-KP12NA MLZ-KP18NA

WIRELESS REMOTE CONTROLLER



NOTE: Last setting will be stored after the unit is turned OFF with the remote controller. Indoor unit receives the signal of the remote controller with beeps.

INDOOR UNIT DISPLAY SECTION

Operation Indicator lamp

The operation indicator at the right side of the indoor unit indicates the operation state.

•The following indication applies regardless of shape of the indication.

Indication	Operation state	Room temperature
☀ ☀	The unit is operating to reach the set temperature	About 4°F(2°C) or more away from set temperature
☀ ○	The room temperature is approaching the set temperature	About 2 to 4°F(1 to 2°C) from set temperature
☀ ☼	Standby mode (Refer to multi system operation)	—

☀ Lit
☼ Blinking
○ Not lit

a. COOL (☼) OPERATION

(1) Press STOP/OPERATE(OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select COOL mode with OPERATION SELECT button.
(3) Press TEMPERATURE buttons TEMP ⊖ or ⊕ button to select the desired temperature. The setting range is 61 - 88°F (16 - 31°C).

1. Coil frost prevention

The compressor operational frequency is controlled by the temperature of the indoor heat exchanger to prevent the coil from frosting.
When the temperature of indoor heat exchanger becomes too low, the coil frost prevention mode works.
The indoor fan operates at the set speed and the compressor stops. This mode continues until the temperature of indoor heat exchanger rises.

NOTE: Do not operate COOL mode at low outside temperature [less than 14°F (-10°C)]. Water condensed in the unit may drip and wet or damage furniture, etc.

b. DRY (△) OPERATION

(1) Press STOP/OPERATE(OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select DRY mode with OPERATION SELECT button.
(3) The set temperature is determined from the initial room temperature.

1. Coil frost prevention

Coil frost prevention works the same way as that in COOL mode. (a.1.)

c. FAN (✾) OPERATION

(1) OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select FAN mode with OPERATION SELECT button.
(3) Select the desired fan speed. When AUTO, it becomes Low.
Only indoor fan operates.
Outdoor unit does not operate.

d. HEAT (☼) OPERATION

(1) Press STOP/OPERATE(OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select HEAT mode with OPERATION SELECT button.
(3) Press TEMPERATURE buttons TEMP ⊖ or ⊕ button to select the desired temperature. The setting range is 50°F(10°C) and 61 - 88°F (16 - 31°C).

1. Cold air prevention control

When the compressor is not operating or is starting, and the temperature of indoor heat exchanger and/or the room temperature is low or when defrosting is being done, the indoor fan will stop or rotate in Very Low speed.

2. Defrosting

Defrosting starts when the temperature of outdoor heat exchanger becomes too low.
The compressor stops once, the indoor/outdoor fans stop, the 4-way valve reverses, and the compressor re-starts.
This mode continues until the temperature of outdoor heat exchanger rises or the fixed time passes.

e. AUTO CHANGE OVER ··· AUTO MODE OPERATION

Once desired temperature is set, unit operation is switched automatically between COOL and HEAT operation.

Mode selection

(1) Initial mode
When unit starts the operation with AUTO operation from OFF:
- If the room temperature is higher than the set temperature, operation starts in COOL mode.
- If the room temperature is equal to or lower than the set temperature, operation starts in HEAT mode.

(2) Mode change
COOL mode changes to HEAT mode when about 15 minutes have passed with the room temperature 4°F (2°C) below the set temperature.
HEAT mode changes to COOL mode when about 15 minutes have passed with the room temperature 4°F (2°C) above the set temperature.

NOTE 1

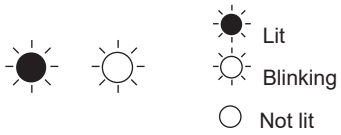
If 2 or more indoor units are operating in multi system, there might be a case that the indoor unit, which is operating in ▭ (AUTO), cannot change over to the other operating mode (COOL ↔ HEAT) and becomes a state of standby.
Refer to **NOTE 2 "FOR MULTI SYSTEM AIR CONDITIONER"**.

NOTE 2
FOR MULTI SYSTEM AIR CONDITIONER
OUTDOOR UNIT: MXZ series

Multi system air conditioner can connect 2 or more indoor units with one outdoor unit.

- When you try to operate 2 or more indoor units with one outdoor unit simultaneously, one for the cooling and the others for heating, the operation mode of the indoor unit that operates first is selected. Other indoor units cannot operate, and operation indicator lamp blinks as shown in the figure below. In this case, please set all the indoor units to the same operation mode.

OPERATION INDICATOR



- When indoor unit starts the operation while the defrosting of outdoor unit is being done, it takes a few minutes (max. 10 minutes) to blow out the warm air.
- In the heating operation, though indoor unit that does not operate may get warm or the sound of refrigerant flowing may be heard, they are not malfunction. The reason is that the refrigerant continuously flows into it.

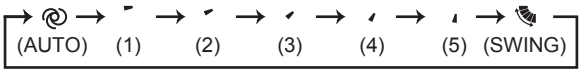
f. AUTO VANE OPERATION

1. Horizontal vane

(1) Vane motor drive

These models are equipped with a stepping motor for the horizontal vane. The rotating direction, speed, and angle of the motor are controlled by pulse signals (approximately 12 V) transmitted from indoor microprocessor.

(2) The horizontal vane angle and mode change as follows by pressing VANE CONTROL button.



NOTE: The setting when the higher airflow is preferred in the Airflow direction (1)
The angle of airflow direction (1) can be slightly heightened by changing SWV1 to up.
(Refer to 7-5. P.C. BOARD MODIFICATION FOR CHANGING AIRFLOW DIRECTION ADJUSTMENT.)
However, it may cause the dirt on the ceiling.
Factory setting is normal.

(3) Positioning

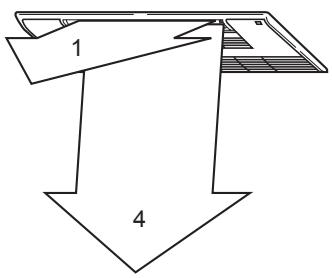
To confirm the standard position, the vane moves until it touches the vane stopper. Then the vane is set to the selected angle.
Confirming of standard position is performed in the following cases:
(a) When the power supply turns on.
(b) When the operation starts or finishes (including timer operation).
(c) When the test run starts.
(d) When multi-standby starts or finishes.
(e) When the swing operation finishes.

(4) VANE AUTO (㉖) mode

In VANE AUTO mode, the microprocessor automatically determines the vane angle and operation to make the optimum room-temperature distribution.

(1) In COOL and DRY operation Vane angle is fixed to Angle 1.

(2) In HEAT operation Vane angle is fixed to Angle 4.



(5) STOP (operation OFF) and ON TIMER standby

In the following cases, the horizontal vane returns to the closed position.
(a) When STOP/OPERATE(OFF/ON) button is pressed (POWER OFF).
(b) When the operation is stopped by the emergency operation.
(c) When ON TIMER is ON standby.

(6) SWING ( ) mode
By selecting SWING mode with VANE CONTROL button, the horizontal vanes swing vertically.
When COOL, DRY or FAN mode is selected, only the upper vane swings.

(7) Cold air prevention in HEAT operation
The horizontal vane position is set to Upward.

(8) ECONO COOL ( ) operation (ECONOmical operation)
When ECONO COOL button is pressed in COOL mode, set temperature is automatically set 4°F(2°C) higher by microprocessor. However, the temperature on the LCD screen on the remote controller is not changed.
Also the horizontal vane swings in various cycle.
SWING operation makes you feel cooler than set temperature. So, even though the set temperature is higher, the air conditioner can keep comfort. As a result, energy can be saved.
To cancel this operation, select a different mode or press one of the following buttons in ECONO COOL operation: ECONO COOL, WIDE VANE CONTROL or VANE CONTROL button.

2. Vertical vane

(1) Press WIDE VANE CONTROL button to change horizontal airflow direction.
•The vertical vane moves for about 30 seconds.
(After 30 seconds, the vertical vane moves to its original position. In this case, press WIDE VANE CONTROL button again.)

(2) Press WIDE VANE CONTROL button again to set horizontal airflow direction.
•The vertical vane stops and the airflow direction is set.

(3) Positioning
To confirm the standard position, the vane moves until it touches the vane stopper. Then the vane set to the desired angle.
Confirming of standard position is performed in the following cases:
(a) When STOP/OPERATE(OFF/ON) button is pressed (POWER ON).
(b) When SWING is started.

g. DRAIN PUMP/ FLOAT SENSOR CONTROL

1. Drain pump

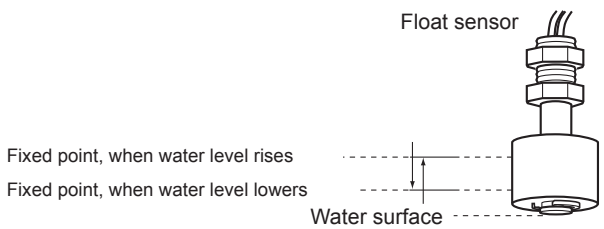
Operating condition:
1. During COOL, DRY, or emergency COOL operation
2. When float sensor detects water level above fixed point during:
   (a) HEAT operation.
   (b) emergency HEAT operation.
   (c) standby when during multi system operation.
   (d) standby when ON timer is set.
   (e) operation STOP.

Drain pump operates in conditions 1 or 2.

Operation stop condition:
Condition other than 1 or 2 indicated above.

2. Float sensor

Float moves with the up and down of water surface inside the drain pan, and judges water level.
(Fixed point differs at raised and lowered water levels.)



h. TIMER OPERATION

1. How to set the time

(1) Check that the current time is set correctly.

NOTE: Timer operation will not work without setting the current time. Initially "0:00" blinks at the current time display of TIME MONITOR, so set the current time correctly with CLOCK SET button.

How to set the current time

(a) Press the CLOCK set button.

(b) Press the TIME SET buttons (∧ and ∨) to set the current time.

- Each time FORWARD button (∧) is pressed, the set time increases by 1 minute, and each time BACKWARD button (∨) is pressed, the set time decreases by 1 minute.
- Pressing those buttons longer, the set time increases/decreases by 10 minutes.

(c) Press the CLOCK set button.

(2) Press STOP/OPERATE(OFF/ON) button to start the air conditioner.

(3) Set the time of timer.

ON timer setting

(a) Press ON TIMER button(ON) during operation.

(b) Set the time of the timer using TIME SET buttons (∧ and ∨).※

OFF timer setting

(a) Press OFF TIMER button (OFF) during operation.

(b) Set the time of the timer using TIME SET buttons (∧ and ∨).※

※ Each time FORWARD button (∧) is pressed, the set time increases by 10 minutes: each time BACKWARD button (∨) is pressed, the set time decreases by 10 minutes.

2. To release the timer

To release ON timer, press ON TIMER button (ON).

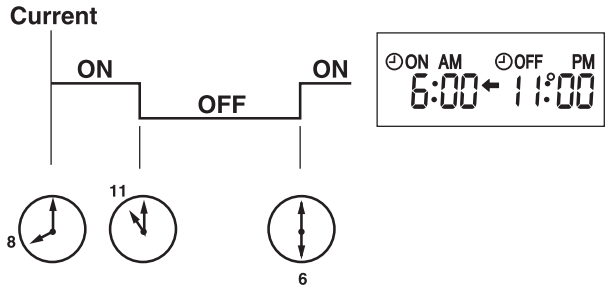
To release OFF timer, press OFF TIMER button(OFF).

TIMER is cancelled and the display of set time disappears.

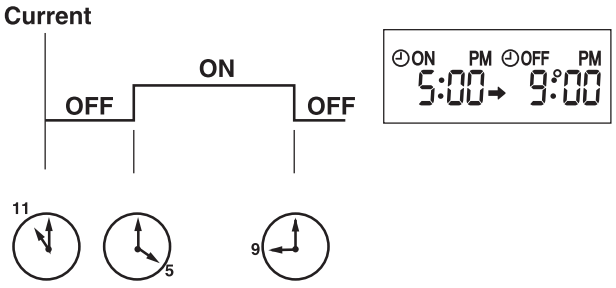
PROGRAM TIMER

- OFF timer and ON timer can be used in combination. The set time that is reached first will operate first.
- " ⬅ " and " ➡ " display shows the order of OFF timer and ON timer operation.

(Example 1) The current time is 8:00 PM.
The unit turns off at 11:00 PM, and on at 6:00 AM.



(Example 2) The current time is 11:00 AM.
The unit turns on at 5:00 PM, and off at 9:00 PM.

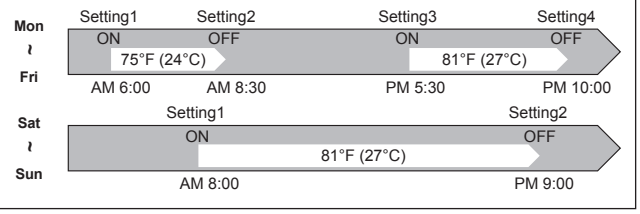


NOTE: If the main power is turned OFF or a power failure occurs while ON/OFF timer is active, the timer setting is cancelled. As these models are equipped with an auto restart function, the air conditioner starts operating with timer cancelled when power is restored.

i. WEEKLY TIMER OPERATION

- A maximum of 4 ON or OFF timers can be set for individual days of the week.
- A maximum of 28 ON or OFF timers can be set for a week.

E.g. : Runs at 75°F (24°C) from waking up to leaving home, and runs at 81°F (27°C) from getting home to going to bed on weekdays.
Runs at 81°F (27°C) from waking up late to going bed early on weekends.



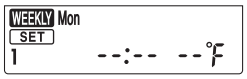
NOTE:

- The simple ON/OFF timer setting is available while the weekly timer is on. In this case, the ON/OFF timer has priority over the weekly timer; the weekly timer operation will start again after the simple ON/OFF timer is complete.
- When the weekly timer is set, temperature cannot be set to 50°F(10°C).
- The weekly timer operation and SMART SET operation cannot be used together.

1. How to set the weekly timer

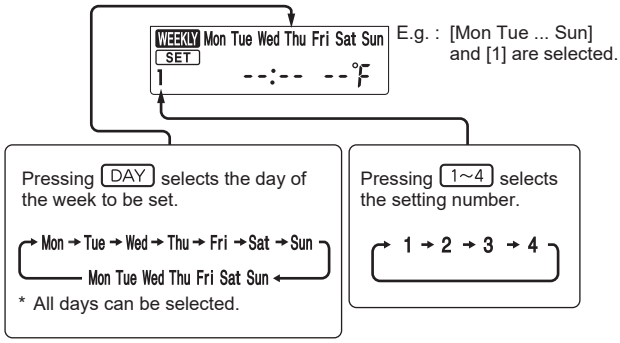
* Make sure that the current time and day are set correctly.

(1) Press [EDIT/SEND SET] button to enter the weekly timer setting mode.

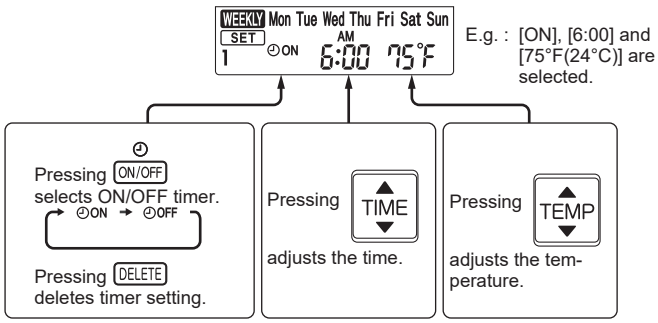


* [SET] blinks.

(2) Press [DAY] and [1~4] buttons to select setting days and/or numbers.



(3) Press [ON/OFF], [TIME], and [TEMP] buttons to set ON/OFF, time, and temperature.



* Hold down the button to change the time quickly.

* The temperature can be set between 61°F and 88°F (16°C and 31°C) at weekly timer.

Press [DAY] and [1~4] buttons to continue setting the timer for other days and/or numbers.

(4) Press EDIT/SEND SET button to complete and transmit the weekly timer setting.

* SET which was blinking goes out, and the current time will be displayed.

NOTE:

- Press EDIT/SEND SET button to transmit the setting information of weekly timer to the indoor unit. Point the remote controller toward the indoor unit for 3 seconds.
- When setting the timer for more than one day of the week or one number, EDIT/SEND SET button does not have to be pressed per each setting. Press EDIT/SEND SET button once after all the settings are complete. All the weekly timer settings will be saved.
- Press EDIT/SEND SET button to enter the weekly timer setting mode, and press and hold DELETE button for 5 seconds to erase all weekly timer settings. Point the remote controller toward the indoor unit.

(5) Press WEEKLY TIMER ON/OFF button to turn the weekly timer ON. (WEEKLY lights.)

•When the weekly timer is ON, the day of the week whose timer setting is complete, will light.

Press WEEKLY TIMER ON/OFF button again to turn the weekly timer OFF. (WEEKLY goes out.)

NOTE:
The saved settings will not be cleared when the weekly timer is turned OFF.

2. Checking weekly timer setting

(1) Press EDIT/SEND SET button to enter the weekly timer setting mode.
*SET blinks.

(2) Press DAY or 1~4 buttons to view the setting of the particular day or number.

(3) Press CANCEL button to exit the weekly timer setting.

j. SMART SET (⏻) OPERATION

1. How to set SMART SET operation

(1) Press STOP/OPERATE(OFF/ON) button.
(2) Select COOL or HEAT mode.
(3) Press SMART SET button.
(4) Set the temperature, fan speed, and airflow direction for SMART SET operation.

NOTE:

- SMART SET operation cannot be selected during DRY, FAN or AUTO mode operation.
- The setting range of HEAT mode SMART SET operation is 50°F (10°C) and 61 - 88°F (16 - 31°C).
- 2 groups of setting can be saved. (One for COOL, one for HEAT)
- SMART SET operation and the weekly timer operation cannot be used together.
- SMART SET operation and SLEEP operation cannot be set at the same time

2. How to cancel operation

- Press SMART SET button again.
- SMART SET operation can also be cancelled by pressing OPERATION SELECT button to change the operation mode. The same setting is selected from the next time by simply pressing SMART SET button.

k. SLEEP ( ) OPERATION

1. How to set SLEEP operation

(1) Press STOP/OPERATE (OFF/ON) button.

(2) Select COOL, DRY, HEAT or FAN mode.

(3) Press SLEEP ( ) button.

(4) PRESS TEMPERATURE buttons [(Increase) and (Decrease)] to set the temperature of SLEEP operation.

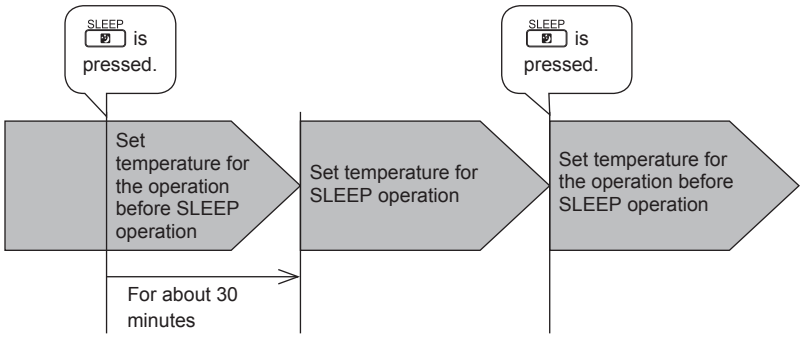
Fan speed: AUTO
Horizontal vane: Position set on the remote controller
Operation indicator lamp: Dimly lit

- Once the above procedure is completed, the settings will be saved.
- After the settings are saved, a single push of SLEEP ( ) button during operation activates SLEEP operation with the same settings every time.
- Temperature for SLEEP operation cannot be set during DRY or FAN mode.

Set temperature for SLEEP operation

For about 30 minutes after SLEEP ( ) button is pressed, the set temperature remains as set for the operation running when SLEEP button is pressed. It will change to the set temperature for SLEEP operation in about 30 minutes.

Pressing SLEEP ( ) button again returns the operation to the previous settings.



NOTE:

- ON/OFF timer is available during SLEEP operation.
- When a preset ON time for the weekly timer becomes during SLEEP operation, the weekly timer operation has priority. SLEEP operation will be cancelled, and the operation set on the weekly timer will start.

2. How to cancel operation

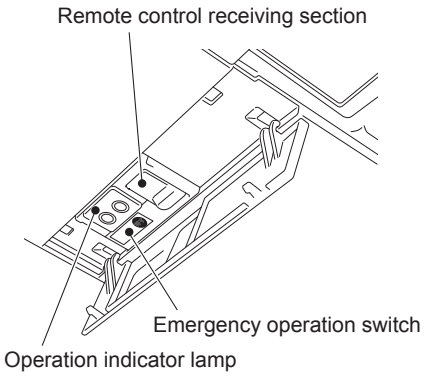
- Press SLEEP ( ) button again.
- The operation returns to the previous settings.
- SLEEP operation is also cancelled when the FAN button is pressed or the operation mode is changed.

NOTE: SLEEP operation and SMART SET operation cannot be set at same time.

I. EMERGENCY/TEST OPERATION

In the case of test run operation or emergency operation, use EMERGENCY OPERATION switch on the right side of the indoor unit. Emergency operation is available when the remote controller is missing or has failed, or the batteries in the remote controller are running down. The unit will start and OPERATION INDICATOR lamp will light up.
The first 30 minutes of operation is the test run operation. This operation is for servicing. The indoor fan runs at High speed and the temperature control does not work.
After 30 minutes of test run operation, the system shifts to EMERGENCY COOL/HEAT MODE with a set temperature of 75°F(24°C). The fan speed shifts to Medium.
The coil frost prevention works even in the test run or the emergency operation.
In the test run or emergency operation, the horizontal vane operates in VANE AUTO (@) mode.
Emergency operation continues until EMERGENCY OPERATION switch is pressed once or twice or the unit receives any signal from the remote controller. In the latter case normal operation will start.

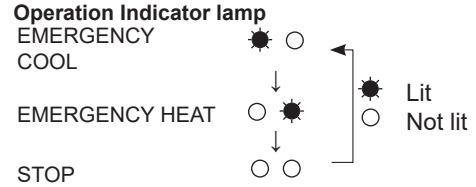
NOTE: Do not press EMERGENCY OPERATION switch during normal operation.



Operation mode	COOL/HEAT
Set temperature	75°F(24°C)
Fan speed	Medium
Horizontal vane	Auto

The operation mode is indicated by the Operation Indicator lamp as following

Operation Indicator lamp

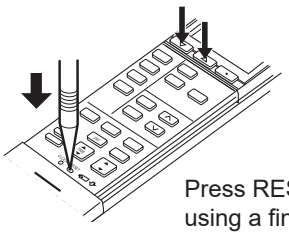


m. 3-MINUTE TIME DELAY OPERATION

When the system turns OFF, compressor will not restart for 3 minutes as 3-minute time delay function operates to protect compressor from overload.

n. Changing temperature indication (°F/°C)

- The preset unit is °F.
- °F → °C: Press RESET button while the TEMPERATURE buttons are pressed.
- °C → °F: Press RESET button while the TEMPERATURE buttons are pressed.



Press RESET button gently using a fine-tipped object.

A.4 CEILING CASSETTE (SLZ)

A.4.1 SPECIFICATIONS A-480
A.4.1.1 SUZ series A-480
A.4.1.2 H2i SUZ series A-481
A.4.2 OUTLINES AND DIMENSIONS A-482
A.4.3 WIRING DIAGRAM A-483
A.4.4 REFRIGERANT SYSTEM DIAGRAM A-484
A.4.5 PERFORMANCE DATA A-485
A.4.5.1 SUZ series A-485
A.4.5.2 H2i SUZ series A-494
A.4.6 4-WAY AIR FLOW SYSTEM A-503
A.4.7 NOISE CRITERIA CURVES A-505
A.4.8 OUTLET AIR SPEED AND COVERAGE RANGE A-506
A.4.9 CENTER OF GRAVITY POSITION A-506
A.4.10 TEMPERATURE AND AIRFLOW DISTRIBUTIONS A-507
A.4.11 PART LOAD CAPACITY CHART A-515

A.4.1 SPECIFICATIONS

A.4.1.1 SUZ series

Model name	Indoor unit		SLZ-KF09NA	SLZ-KF12NA	SLZ-KF15NA	SLZ-KF18NA
	Outdoor unit		SUZ-KA09NA2	SUZ-KA12NA2	SUZ-KA15NA2	SUZ-KA18NA2
Cooling *1	Rated Capacity	Btu/h	9,000	12,000	14,100	17,700
	Capacity Range	Btu/h	3,600-9,000	3,900-12,000	5,100-14,100	6,100-17,700
	Total input	W	670	900	1,150	1,410
	Energy Efficiency	EER	13.4	13.3	12.2	12.5
		SEER	22.4	22.0	19.8	20.7
	Moisture Removal	Pints/h	1.0	2.8	3.2	4.7
	Sensible Heat Factor		0.87	0.74	0.75	0.71
Heating at 47°F *1	Rated Capacity	Btu/h	11,000	13,000	18,000	19,700
	Capacity Range	Btu/h	4,010-12,000	4,800-13,000	5,100-19,100	8,400-20,900
	Total input	W	810	1,310	1,730	1,850
	HSPF(Region IV)	Btu/h/W	12.2(11.5)	11.4(10.9)	11.2(10.9)	11.6(11.3)
Heating at 17°F *2	Rated Capacity	Btu/h	6,900	8,900	11,900	12,900
	Rated Total input	W	810(940)	1,130(1,260)	1,290(1,420)	1,410(1,530)
	Maximum Capacity	Btu/h	6,900	8,900	11,900	12,900
	Maximum Total Input	W	810(940)	1,130(1,260)	1,290(1,420)	1,410(1,530)
Power supply	Voltage, Phase, Cycle		208/230V, 1-phase, 60Hz			
Voltage	Indoor - Outdoor S1-S2		AC 208/230V			
	Indoor - Outdoor S2-S3		DC12-24V			
	Indoor - Remote controller		DC12V			
Indoor unit	MCA	A	0.25	0.3	0.4	0.54
	Fan Motor	F.L.A	0.2	0.24	0.32	0.43
	Fan Motor Output	W	50			
	Air flow (Lo-Mid-Hi)	DRY(CFM)	230-265-300	230-280-335	245-315-405	300-420-475
		WET(CFM)	207-239-270	207-252-302	221-284-365	270-378-429
	External Static Pressure	in WG	0			
	Sound Pressure Level (Lo-Mid-Hi)	dB (A)	25-28-31	25-30-34	27-34-39	32-40-43
	External Finish Color		Munsell 1.0Y 9.2/0.2			
	Dimensions	W: in	22-7/16			
		D: in	22-7/16			
		H: in	8-3/16			
	Weight Unit	lbs	30.6			
	Field Drainpipe O.D.	in	O.D. 1-1/4			
	Refrigerant pipe Gas	in	3/8		1/2	
	Refrigerant pipe Liquid	in	1/4			
Outdoor unit	MCA	A	9		10	14
	MOCP	A	15	16	18	24
	Fan Motor	F.L.A.	0.50			0.67
	Compressor	Model(Type)	DC INVERTER-driven	DC INVERTER-driven Twin Rotary		
		R.L.A.	6.2	6.6	7.4	10
		L.R.A.	7.7	8.2	9.3	12.5
	Air flow (Cooling/ Heating)	CFM	(1,229/1,172)		(1,243/1,229)	(1,691/1,691)
	Refrigerant Control		Linear Expansion Valve			
	Defrost Method		Reverse Cycle			
	SPL (Cooling)	dB (A)	48	49		54
	SPL (Heating)	dB (A)	50	51		55
	External Finish Color		Munsell No.3Y 7.8/1.1			
	Dimension	W: in	31-1/2			33-1/16
		D: in	11-1/4			13
		H: in	21-5/8			34-5/8
	Weight	lbs	81			127
Remote Controller	Type		Wired Remote Controller			
Refrigerant	Type		R410A			
	Charge	lbs, oz	2,5	2,9		3,9
	Oil	Type(Fl.oz.)	FV50S(9.1)	FV50S(11.8)		
Refrigerant Pipe	Gas side O.D.	in	3/8		1/2	
	Liquid side O.D.	in	1/4			
	Height Difference (Max)	ft	40			50
	Length (Max.)	ft	65			100
Connection Method	Indoor/Outdoor		Fl ared/Flared			
Operation Guarantee	Cooling	°F(°C)	14(-10) to 115(46)			
	Heating	°F(°C)	-4(-20) to 75(24)			

NOTES : *1.Rating conditions (cooling)-Indoor : D.B. 26.7℃(80°F), W.B. 19.4℃(67°F) Outdoor : D.B. 35℃(95°F), W.B. 23.9℃(75°F)
(heating)-Indoor : D.B. 21.1℃(70°F), W.B. 15.6℃(60°F) Outdoor : D.B. 8.3℃(47°F), W.B. 6.1℃(43°F)
*2.Rating conditions (heating)-Indoor : D.B. 21.1℃(70°F), W.B. 15.6℃(60°F) Outdoor : D.B. -8.3℃(17°F), W.B. -9.4℃(15°F)

Operating range

		Indoor intake air temperature	Outdoor intake air temperature
Cooling	Maximum	D.B. 35℃(95°F), W.B. 21.7℃(71°F)	D.B. 46℃(115°F)
	Minimum	D.B. 19.4℃(67°F), W.B. 13.9℃(57°F)	D.B. -10℃(14°F)
Heating	Maximum	D.B. 26.7℃(80°F), W.B. 19.4℃(67°F)	D.B. 24℃(75°F), W.B. 18℃(65°F)
	Minimum	D.B. 21.1℃(70°F), W.B. 15.6℃(60°F)	D.B. -20℃(-4°F), W.B. -21℃(-5°F)

A.4.1.2 H2i SUZ series

Model name	Indoor unit		SLZ-KF09NA	SLZ-KF12NA	SLZ-KF15NA	SLZ-KF18NA
	Outdoor unit		SUZ-KA09NAHZ	SUZ-KA12NAHZ	SUZ-KA15NAHZ	SUZ-KA18NAHZ
Cooling *1	Rated Capacity	Btu/h	9,000	12,000	13,700	16,800
	Capacity Range	Btu/h	4,800-9,000	5,070-12,000	8,500-13,700	9,010-16,800
	Total input	W	600	940	1095	1340
	Energy Efficiency	EER	15.0	12.7	12.5	
		SEER	20.2	20.3	17.7	19.0
	Moisture Removal	Pints/h	1.9	3.1	3.4	4.2
	Sensible Heat Factor		0.77	0.71	0.72	
Heating at 47°F *1	Rated Capacity	Btu/h	11,000	13,800	16,400	18,800
	Capacity Range	Btu/h	7,400-13,200	7,800-14,500	8,300-19,000	8,300-20,000
	Total input	W	820	1,170	1,830	2,020
	HSPF(Region IV)	Btu/h/W	10.0	10.0	9.0	9.4
Heating at 17°F *2	Rated Capacity	Btu/h	6,300	8,300	9,700	12,100
	Rated Total input	W	720	1,020	1,490	1,610
	Maximum Capacity	Btu/h	11,000	13,800	16,400	18,800
	Maximum Total Input	W	1,260	1,700	2,520	2,510
Power supply	Voltage, Phase, Cycle		1-phase, 60Hz, 208/230V			
Voltage	Indoor - Outdoor S1-S2		AC 208/230V			
	Indoor - Outdoor S2-S3		DC12-24V			
	Indoor - Remote controller		DC12V			
Indoor unit	MCA	A	0.25	0.3	0.4	0.54
	Fan Motor	F.L.A	0.2	0.24	0.32	0.43
	Fan Motor Output	W	50			
	Air flow (Lo-Mid-Hi)	DRY(CFM)	230-265-300	230-280-335	245-315-405	300-420-475
		WET(CFM)	207-239-270	207-252-302	221-284-365	270-378-429
	External Static Pressure	in WG	0			
	Sound Pressure Level (Lo-Mid-Hi)	dB (A)	25-28-31	25-30-34	27-34-39	32-40-43
	External Finish Color		Munsell 1.0Y 9.2/0.2			
	Dimensions	W: in	22-7/16			
		D: in	22-7/16			
		H: in	8-3/16			
	Weight Unit	lbs	30.6			
	Field Drainpipe O.D.	in	O.D. 1-1/4			
	Refrigerant pipe Gas	in	3/8		1/2	
	Refrigerant pipe Liquid	in	1/4			
Outdoor unit	MCA	A	14		17	
	MOCP	A	24		31	
	Fan Motor	F.L.A.	0.67		1.00	
	Compressor	Model(Type)	DC INVERTER-driven Twin Rotary			
		R.L.A.	10.0		13.0	
		L.R.A.	12.5		16.0	
	Air flow (Cooling/ Heating)	CFM	(1,691/1,691)		(2,020/1,930)	
	Refrigerant Control		Linear Expansion Valve			
	Defrost Method		Reverse Cycle			
	SPL (Cooling)	dB (A)	54		55	
	SPL (Heating)	dB (A)	55		55	
	External Finish Color		Munsell No.3Y 7.8/1.1			
	Dimension	W: in	33-1/16			
		D: in	13			
		H: in	34-5/8			
	Weight	lbs	129		131	
Remote Controller	Type		Wired Remote Controller			
Refrigerant	Type		R410A			
	Charge	lbs, oz	3,9		4,14	
	Oil	Type(Fl.oz.)	FV50S(22.0)		FV50S(23.7)	
Refrigerant Pipe	Gas side O.D.	in	3/8		1/2	
	Liquid side O.D.	in	1/4			
	Height Difference (Max)	ft	40			50
	Length (Max.)	ft	65			100
Connection Method	Indoor/Outdoor		Flared/Flared			
Operation Guarantee	Cooling	°F(°C)	14(-10) to 115(46)			
	Heating	°F(°C)	-13(-25) to 75(24)			

NOTES : *1.Rating conditions (cooling)-Indoor : D.B. 26.7℃(80°F), W.B. 19.4℃(67°F) Outdoor : D.B. 35℃(95°F), W.B. 23.9℃(75°F)
(heating)-Indoor : D.B. 21.1℃(70°F), W.B. 15.6℃(60°F) Outdoor : D.B. 8.3℃(47°F), W.B. 6.1℃(43°F)
*2.Rating conditions(heating)-Indoor : D.B. 21.1℃(70°F), W.B. 15.6℃(60°F) Outdoor : D.B. -8.3℃(17°F), W.B. -9.4℃(15°F)

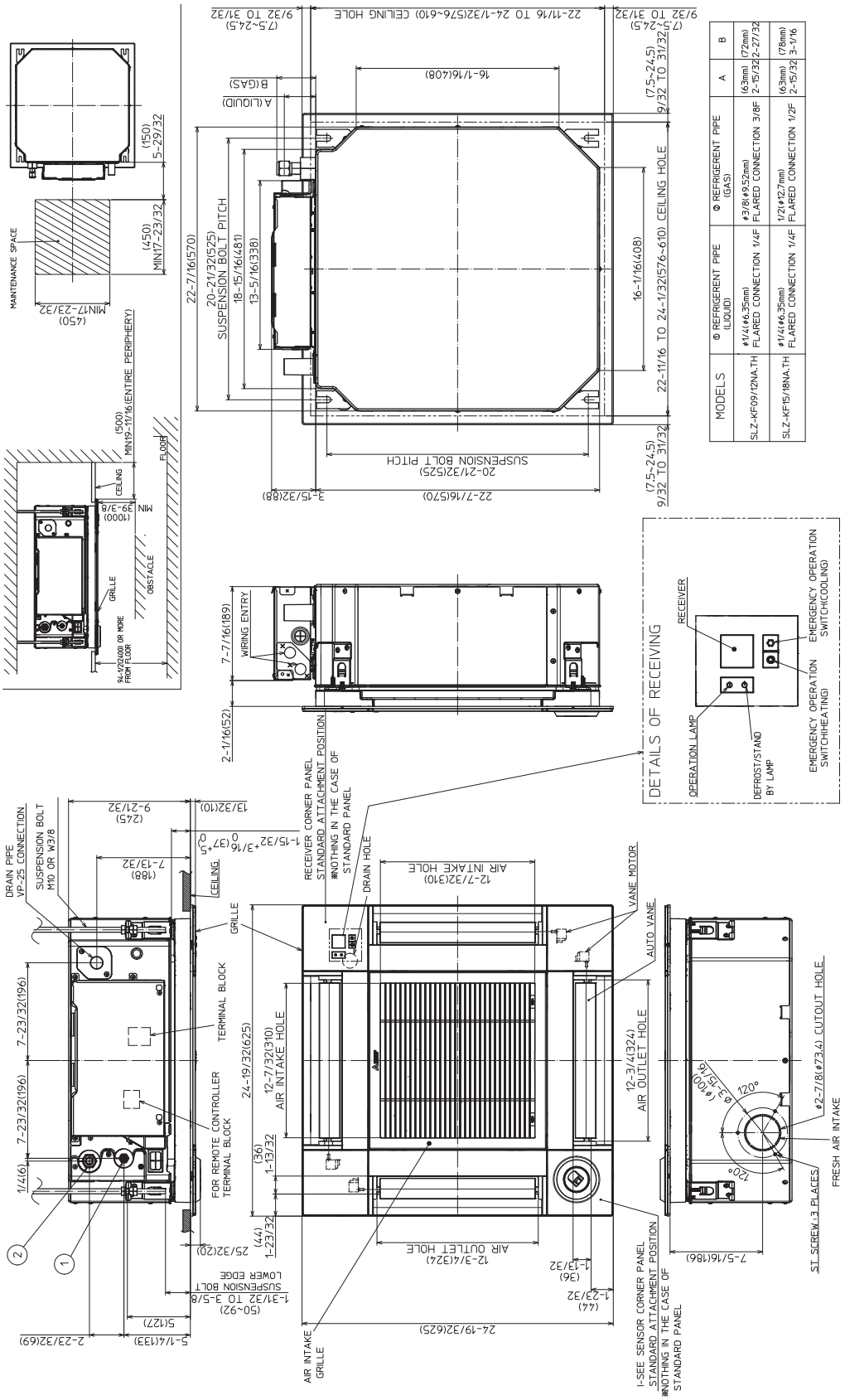
Operating range

		Indoor intake air temperature	Outdoor intake air temperature
Cooling	Maximum	D.B. 35℃(95°F), W.B. 21.7℃(71°F)	D.B. 46℃(115°F)
	Minimum	D.B. 19.4℃(67°F), W.B. 13.9℃(57°F)	D.B. -10℃(14°F)
Heating	Maximum	D.B. 26.7℃(80°F), W.B. 19.4℃(67°F)	D.B. 24℃(75°F), W.B. 18℃(65°F)
	Minimum	D.B. 21.1℃(70°F), W.B. 15.6℃(60°F)	D.B. -25℃(-13°F), W.B. -26℃(-14°F)

A.4.2 OUTLINES AND DIMENSIONS
INDOOR UNIT

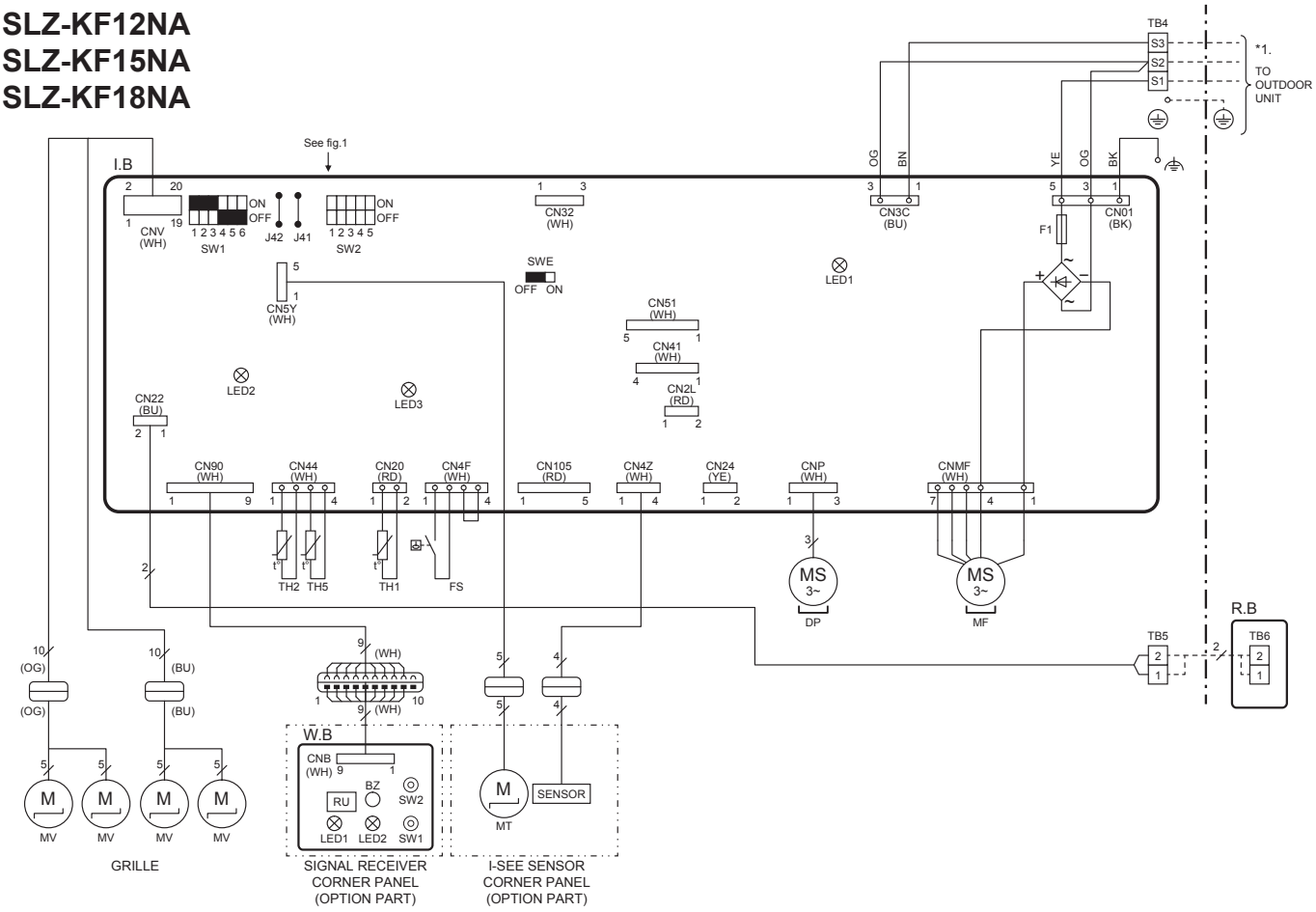
Unit: inch (mm)

SLZ-KF09NA
SLZ-KF12NA
SLZ-KF15NA
SLZ-KF18NA



A.4.3 WIRING DIAGRAM

SLZ-KF09NA
SLZ-KF12NA
SLZ-KF15NA
SLZ-KF18NA



[LEGEND]

SYMBOL	NAME
I.B	INDOOR CONTROLLER BOARD
CN2L	CONNECTOR (LOSSNAY)
CN24	CONNECTOR (BACK-UP HEATING)
CN32	CONNECTOR (REMOTE SWITCH)
CN41	CONNECTOR (HA TERMINAL-A)
CN51	CONNECTOR (CENTRALLY CONTROL)
CN105	CONNECTOR
F1	FUSE (UL 6.3A 250V AC)
J41	JUMPER WIRE (PAIR NUMBER SETTING WITH
J42	WIRELESS REMOTE CONTROLLER)
LED1	POWER SUPPLY (I.B)
LED2	POWER SUPPLY (WIRED REMOTE CONTROLLER)
LED3	COMMUNICATION (INDOOR-OUTDOOR)
SW1	DIP SWITCH (MODEL SELECTION)
SW2	DIP SWITCH (CAPACITY CODE)
SWE	JUMPER SWITCH (EMERGENCY OPERATION)
DP	DRAIN PUMP
FS	FLOAT SWITCH
MF	FAN MOTOR
MV	VANE MOTOR
TB4	TERMINAL BLOCK (INDOOR/OUTDOOR CONNECTING LINE)
TB5, TB6	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)
TH1	ROOM TEMP. THERMISTOR
TH2	PIPE TEMP. THERMISTOR/LIQUID
TH5	CONDENSER / EVAPORATOR TEMP. THERMISTOR
OPTION PART	
W.B	WIRELESS REMOTE CONTROLLER BOARD
BZ	BUZZER
LED1	OPERATION (GREEN)
LED2	DEFROST/STAND BY (ORANGE)
RU	RECEIVING UNIT
SW1	EMERGENCY OPERATION (HEAT)
SW2	EMERGENCY OPERATION (COOL)
MT	I-SEE SENSOR MOTOR
R. B	WIRED REMOTE CONTROLLER

<fig.1>

MODELS	SW2	MODELS	SW2
KF09	ON OFF 1 2 3 4 5	KF15	ON OFF 1 2 3 4 5
KF12	ON OFF 1 2 3 4 5	KF18	ON OFF 1 2 3 4 5

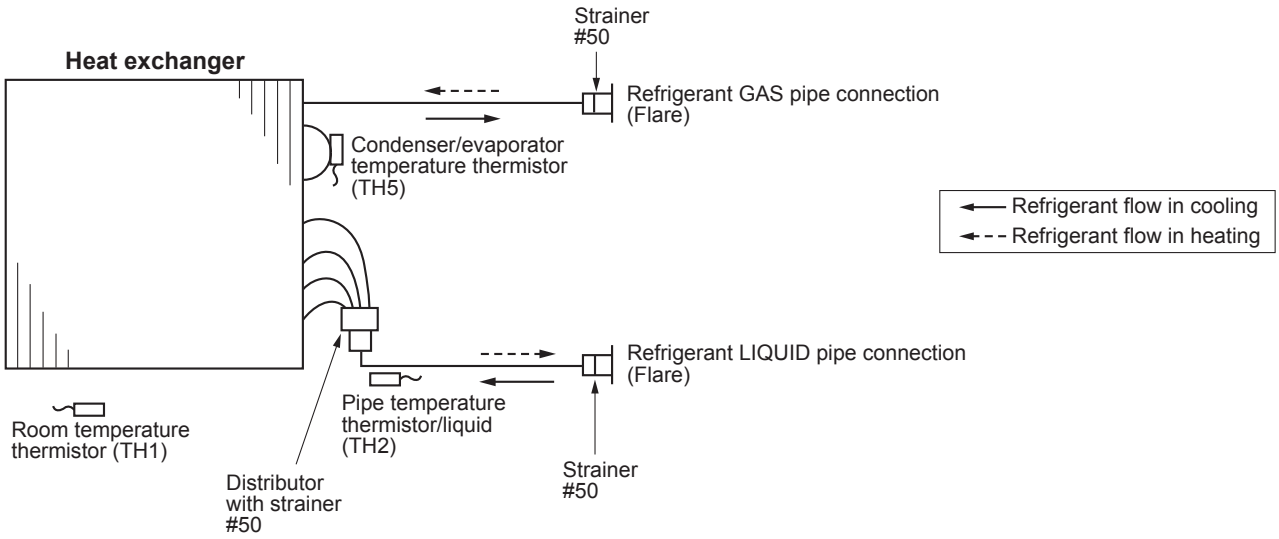
The black square (■) indicates a switch position.

NOTES:
1. Since the outdoor side electric wiring may change be sure to check the outdoor unit electric wiring for servicing.
2. Indoor and outdoor connecting wires are made with polarities, make wiring matching terminal numbers (S1, S2, S3).
3. Symbols used in wiring diagram are, □□□ :Connector, □□□ :Terminal (block)
4. For details on how to operate self-diagnosis refer to the technical manuals etc.

*1. Use copper supply wires.
Utilisez des fils d'alimentation en cuivre.

A.4.4 REFRIGERANT SYSTEM DIAGRAM

SLZ-KF09NA
SLZ-KF12NA
SLZ-KF15NA
SLZ-KF18NA



Unit: inch(mm)

	SLZ-KF09/12NA	SLZ-KF15/18NA
Gas pipe	3/8"(ϕ 9.52)	1/2"(ϕ 12.7)
Liquid pipe	1/4"(ϕ 6.35)	1/4"(ϕ 6.35)

A.4.5 PERFORMANCE DATA

A.4.5.1 SUZ series

COOLING operation at Rated frequency

SLZ-KF09NA / SUZ-KA09NA2

CAPACITY : 9000(Btu/h) INPUT :0.67(kW) SHF :0.87

		OUTDOOR DB(°F)															
INDOOR	INDOOR	68				77				86				95			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	9430	7223	0.77	0.44	8870	6794	0.77	0.50	8160	6251	0.77	0.55	7488	5736	0.77	0.60
68	64	10307	6658	0.65	0.49	9747	6296	0.65	0.55	9037	5838	0.65	0.60	8365	5404	0.65	0.64
68	61	9430	7600	0.81	0.44	8870	7149	0.81	0.50	8160	6577	0.81	0.55	7488	6035	0.81	0.60
68	64	10307	7071	0.69	0.49	9747	6686	0.69	0.55	9037	6200	0.69	0.60	8365	5738	0.69	0.64
68	68	10755	6087	0.57	0.52	10307	5834	0.57	0.56	9710	5496	0.57	0.62	9000	5094	0.57	0.67
72	61	9430	8355	0.89	0.44	8870	7858	0.89	0.50	8160	7230	0.89	0.55	7488	6634	0.89	0.60
72	64	10307	7895	0.77	0.49	9747	7466	0.77	0.55	9037	6923	0.77	0.60	8365	6408	0.77	0.64
72	68	10755	6948	0.65	0.52	10307	6658	0.65	0.56	9710	6272	0.65	0.62	9000	5814	0.65	0.67
75	61	9430	9109	0.97	0.44	8870	8568	0.97	0.50	8160	7883	0.97	0.55	7488	7233	0.97	0.60
75	64	10307	8720	0.85	0.49	9747	8246	0.85	0.55	9037	7646	0.85	0.60	8365	7077	0.85	0.64
75	68	10755	7808	0.73	0.52	10307	7483	0.73	0.56	9710	7049	0.73	0.62	9000	6534	0.73	0.67
75	72	11353	6880	0.61	0.54	10979	6653	0.61	0.60	10307	6246	0.61	0.65	9635	5839	0.61	0.70
79	61	9430	9430	1.00	0.44	8870	8870	1.00	0.50	8160	8160	1.00	0.55	7488	7488	1.00	0.60
79	64	10307	9544	0.93	0.49	9747	9026	0.93	0.55	9037	8369	0.93	0.60	8365	7746	0.93	0.64
79	68	10755	8669	0.81	0.52	10307	8307	0.81	0.56	9710	7826	0.81	0.62	9000	7254	0.81	0.67
79	72	11353	7788	0.69	0.54	10979	7532	0.69	0.60	10307	7071	0.69	0.65	9635	6610	0.69	0.70
81	61	9430	9430	1.00	0.44	8870	8870	1.00	0.50	8160	8160	1.00	0.55	7488	7488	1.00	0.60
81	64	10307	9957	0.97	0.49	9747	9415	0.97	0.55	9037	8730	0.97	0.60	8365	8081	0.97	0.64
81	68	10755	9099	0.85	0.52	10307	8720	0.85	0.56	9710	8214	0.85	0.62	9000	7614	0.85	0.67
81	72	11353	8242	0.73	0.54	10979	7971	0.73	0.60	10307	7483	0.73	0.65	9635	6995	0.73	0.70
82	61	9430	9430	1.00	0.44	8870	8870	1.00	0.50	8160	8160	1.00	0.55	7488	7488	1.00	0.60
82	64	10307	10307	1.00	0.49	9747	9747	1.00	0.55	9037	9037	1.00	0.60	8365	8365	1.00	0.64
82	68	10755	9529	0.89	0.52	10307	9132	0.89	0.56	9710	8603	0.89	0.62	9000	7974	0.89	0.67
82	72	11353	8696	0.77	0.54	10979	8410	0.77	0.60	10307	7895	0.77	0.65	9635	7380	0.77	0.70
86	61	9430	9430	1.00	0.44	8870	8870	1.00	0.50	8160	8160	1.00	0.55	7488	7488	1.00	0.60
86	64	10307	10307	1.00	0.49	9747	9747	1.00	0.55	9037	9037	1.00	0.60	8365	8365	1.00	0.64
86	68	10755	10390	0.97	0.52	10307	9957	0.97	0.56	9710	9379	0.97	0.62	9000	8694	0.97	0.67
86	72	11353	9604	0.85	0.54	10979	9288	0.85	0.60	10307	8720	0.85	0.65	9635	8151	0.85	0.70
90	61	9430	9430	1.00	0.44	8870	8870	1.00	0.50	8160	8160	1.00	0.55	7488	7488	1.00	0.60
90	64	10307	10307	1.00	0.49	9747	9747	1.00	0.55	9037	9037	1.00	0.60	8365	8365	1.00	0.64
90	68	10755	10755	1.00	0.52	10307	10307	1.00	0.56	9710	9710	1.00	0.62	9000	9000	1.00	0.67
90	72	11353	10513	0.93	0.54	10979	10167	0.93	0.60	10307	9544	0.93	0.65	9635	8922	0.93	0.70

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
SLZ-KF09NA / SUZ-KA09NA2
CAPACITY : 9000(Btu/h) INPUT :0.67(kW) SHF :0.87

		OUTDOOR DB(°F)							
INDOOR	INDOOR	104				115			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	6816	5221	0.77	0.63	6143	4706	0.77	0.66
68	64	7693	4970	0.65	0.67	7021	4535	0.65	0.70
68	61	6816	5493	0.81	0.63	6143	4952	0.81	0.66
68	64	7693	5277	0.69	0.67	7021	4816	0.69	0.70
68	68	8290	4692	0.57	0.70	7693	4354	0.57	0.73
72	61	6816	6039	0.89	0.63	6143	5443	0.89	0.66
72	64	7693	5893	0.77	0.67	7021	5378	0.77	0.70
72	68	8290	5356	0.65	0.70	7693	4970	0.65	0.73
75	61	6816	6584	0.97	0.63	6143	5935	0.97	0.66
75	64	7693	6508	0.85	0.67	7021	5940	0.85	0.70
75	68	8290	6019	0.73	0.70	7693	5585	0.73	0.73
75	72	8963	5431	0.61	0.73	8216	4979	0.61	0.75
79	61	6816	6816	1.00	0.63	6143	6143	1.00	0.66
79	64	7693	7124	0.93	0.67	7021	6501	0.93	0.70
79	68	8290	6682	0.81	0.70	7693	6201	0.81	0.73
79	72	8963	6148	0.69	0.73	8216	5636	0.69	0.75
81	61	6816	6816	1.00	0.63	6143	6143	1.00	0.66
81	64	7693	7431	0.97	0.67	7021	6782	0.97	0.70
81	68	8290	7014	0.85	0.70	7693	6508	0.85	0.73
81	72	8963	6507	0.73	0.73	8216	5965	0.73	0.75
82	61	6816	6816	1.00	0.63	6143	6143	1.00	0.66
82	64	7693	7693	1.00	0.67	7021	7021	1.00	0.70
82	68	8290	7345	0.89	0.70	7693	6816	0.89	0.73
82	72	8963	6865	0.77	0.73	8216	6293	0.77	0.75
86	61	6816	6816	1.00	0.63	6143	6143	1.00	0.66
86	64	7693	7693	1.00	0.67	7021	7021	1.00	0.70
86	68	8290	8009	0.97	0.70	7693	7431	0.97	0.73
86	72	8963	7582	0.85	0.73	8216	6951	0.85	0.75
90	61	6816	6816	1.00	0.63	6143	6143	1.00	0.66
90	64	7693	7693	1.00	0.67	7021	7021	1.00	0.70
90	68	8290	8290	1.00	0.70	7693	7693	1.00	0.73
90	72	8963	8299	0.93	0.73	8216	7608	0.93	0.75

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
SLZ-KF12NA / SUZ-KA12NA2
CAPACITY : 12000(Btu/h) INPUT :0.9(kW) SHF :0.74

		OUTDOOR DB(°F)															
INDOOR	INDOOR	68				77				86				95			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	12573	7996	0.64	0.60	11826	7521	0.64	0.68	10880	6920	0.64	0.74	9984	6350	0.64	0.80
68	64	13743	7091	0.52	0.66	12996	6706	0.52	0.74	12050	6218	0.52	0.80	11154	5755	0.52	0.86
68	61	12573	8499	0.68	0.60	11826	7994	0.68	0.68	10880	7355	0.68	0.74	9984	6749	0.68	0.80
68	64	13743	7641	0.56	0.66	12996	7226	0.56	0.74	12050	6700	0.56	0.80	11154	6201	0.56	0.86
68	68	14340	6252	0.44	0.69	13743	5992	0.44	0.76	12946	5644	0.44	0.83	12000	5232	0.44	0.90
72	61	12573	9505	0.76	0.60	11826	8940	0.76	0.68	10880	8225	0.76	0.74	9984	7548	0.76	0.80
72	64	13743	8740	0.64	0.66	12996	8265	0.64	0.74	12050	7664	0.64	0.80	11154	7094	0.64	0.86
72	68	14340	7400	0.52	0.69	13743	7091	0.52	0.76	12946	6680	0.52	0.83	12000	6192	0.52	0.90
75	61	12573	10511	0.84	0.60	11826	9887	0.84	0.68	10880	9096	0.84	0.74	9984	8346	0.84	0.80
75	64	13743	9840	0.72	0.66	12996	9305	0.72	0.74	12050	8628	0.72	0.80	11154	7986	0.72	0.86
75	68	14340	8547	0.60	0.69	13743	8191	0.60	0.76	12946	7716	0.60	0.83	12000	7152	0.60	0.90
75	72	15137	7205	0.48	0.72	14639	6968	0.48	0.80	13743	6542	0.48	0.87	12846	6115	0.48	0.94
79	61	12573	11517	0.92	0.60	11826	10833	0.92	0.68	10880	9966	0.92	0.74	9984	9145	0.92	0.80
79	64	13743	10939	0.80	0.66	12996	10345	0.80	0.74	12050	9592	0.80	0.80	11154	8878	0.80	0.86
79	68	14340	9694	0.68	0.69	13743	9290	0.68	0.76	12946	8752	0.68	0.83	12000	8112	0.68	0.90
79	72	15137	8416	0.56	0.72	14639	8139	0.56	0.80	13743	7641	0.56	0.87	12846	7143	0.56	0.94
81	61	12573	12020	0.96	0.60	11826	11306	0.96	0.68	10880	10401	0.96	0.74	9984	9544	0.96	0.80
81	64	13743	11489	0.84	0.66	12996	10865	0.84	0.74	12050	10074	0.84	0.80	11154	9324	0.84	0.86
81	68	14340	10268	0.72	0.69	13743	9840	0.72	0.76	12946	9269	0.72	0.83	12000	8592	0.72	0.90
81	72	15137	9022	0.60	0.72	14639	8725	0.60	0.80	13743	8191	0.60	0.87	12846	7656	0.60	0.94
82	61	12573	12523	1.00	0.60	11826	11779	1.00	0.68	10880	10836	1.00	0.74	9984	9944	1.00	0.80
82	64	13743	12039	0.88	0.66	12996	11384	0.88	0.74	12050	10556	0.88	0.80	11154	9770	0.88	0.86
82	68	14340	10841	0.76	0.69	13743	10390	0.76	0.76	12946	9787	0.76	0.83	12000	9072	0.76	0.90
82	72	15137	9627	0.64	0.72	14639	9310	0.64	0.80	13743	8740	0.64	0.87	12846	8170	0.64	0.94
86	61	12573	12573	1.00	0.60	11826	11826	1.00	0.68	10880	10880	1.00	0.74	9984	9984	1.00	0.80
86	64	13743	13138	0.96	0.66	12996	12424	0.96	0.74	12050	11520	0.96	0.80	11154	10663	0.96	0.86
86	68	14340	11988	0.84	0.69	13743	11489	0.84	0.76	12946	10823	0.84	0.83	12000	10032	0.84	0.90
86	72	15137	10838	0.72	0.72	14639	10482	0.72	0.80	13743	9840	0.72	0.87	12846	9198	0.72	0.94
90	61	12573	12573	1.00	0.60	11826	11826	1.00	0.68	10880	10880	1.00	0.74	9984	9984	1.00	0.80
90	64	13743	13743	1.00	0.66	12996	12996	1.00	0.74	12050	12050	1.00	0.80	11154	11154	1.00	0.86
90	68	14340	13136	0.92	0.69	13743	12588	0.92	0.76	12946	11859	0.92	0.83	12000	10992	0.92	0.90
90	72	15137	12049	0.80	0.72	14639	11653	0.80	0.80	13743	10939	0.80	0.87	12846	10226	0.80	0.94

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
SLZ-KF12NA / SUZ-KA12NA2
CAPACITY : 12000(Btu/h) INPUT :0.9(kW) SHF :0.74

		OUTDOOR DB(°F)							
INDOOR	INDOOR	104				115			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	9087	5780	0.64	0.84	8191	5210	0.64	0.88
68	64	10257	5293	0.52	0.90	9361	4830	0.52	0.95
68	61	9087	6143	0.68	0.84	8191	5537	0.68	0.88
68	64	10257	5703	0.56	0.90	9361	5205	0.56	0.95
68	68	11054	4820	0.44	0.95	10257	4472	0.44	0.99
72	61	9087	6870	0.76	0.84	8191	6193	0.76	0.88
72	64	10257	6524	0.64	0.90	9361	5954	0.64	0.95
72	68	11054	5704	0.52	0.95	10257	5293	0.52	0.99
75	61	9087	7597	0.84	0.84	8191	6848	0.84	0.88
75	64	10257	7344	0.72	0.90	9361	6702	0.72	0.95
75	68	11054	6588	0.60	0.95	10257	6113	0.60	0.99
75	72	11950	5688	0.48	0.98	10954	5214	0.48	1.01
79	61	9087	8324	0.92	0.84	8191	7503	0.92	0.88
79	64	10257	8165	0.80	0.90	9361	7451	0.80	0.95
79	68	11054	7472	0.68	0.95	10257	6934	0.68	0.99
79	72	11950	6644	0.56	0.98	10954	6091	0.56	1.01
81	61	9087	8688	0.96	0.84	8191	7831	0.96	0.88
81	64	10257	8575	0.84	0.90	9361	7826	0.84	0.95
81	68	11054	7915	0.72	0.95	10257	7344	0.72	0.99
81	72	11950	7122	0.60	0.98	10954	6529	0.60	1.01
82	61	9087	9051	1.00	0.84	8191	8158	1.00	0.88
82	64	10257	8985	0.88	0.90	9361	8200	0.88	0.95
82	68	11054	8357	0.76	0.95	10257	7754	0.76	0.99
82	72	11950	7600	0.64	0.98	10954	6967	0.64	1.01
86	61	9087	9087	1.00	0.84	8191	8191	1.00	0.88
86	64	10257	9806	0.96	0.90	9361	8949	0.96	0.95
86	68	11054	9241	0.84	0.95	10257	8575	0.84	0.99
86	72	11950	8556	0.72	0.98	10954	7843	0.72	1.01
90	61	9087	9087	1.00	0.84	8191	8191	1.00	0.88
90	64	10257	10257	1.00	0.90	9361	9361	1.00	0.95
90	68	11054	10125	0.92	0.95	10257	9396	0.92	0.99
90	72	11950	9512	0.80	0.98	10954	8720	0.80	1.01

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
SLZ-KF15NA / SUZ-KA15NA2
CAPACITY :14100(Btu/h) INPUT :1.15(kW) SHF :0.75

		OUTDOOR DB(°F)															
INDOOR	INDOOR	68				77				86				95			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	14773	9543	0.65	0.76	13896	8977	0.65	0.87	12784	8258	0.65	0.95	11731	7578	0.65	1.02
68	64	16148	8494	0.53	0.84	15270	8032	0.53	0.94	14159	7447	0.53	1.02	13105	6893	0.53	1.10
68	61	14773	10134	0.69	0.76	13896	9532	0.69	0.87	12784	8770	0.69	0.95	11731	8047	0.69	1.02
68	64	16148	9140	0.57	0.84	15270	8643	0.57	0.94	14159	8014	0.57	1.02	13105	7418	0.57	1.10
68	68	16850	7515	0.45	0.89	16148	7202	0.45	0.97	15212	6784	0.45	1.06	14100	6289	0.45	1.15
72	61	14773	11316	0.77	0.76	13896	10644	0.77	0.87	12784	9793	0.77	0.95	11731	8986	0.77	1.02
72	64	16148	10431	0.65	0.84	15270	9865	0.65	0.94	14159	9146	0.65	1.02	13105	8466	0.65	1.10
72	68	16850	8863	0.53	0.89	16148	8494	0.53	0.97	15212	8001	0.53	1.06	14100	7417	0.53	1.15
75	61	14773	12498	0.85	0.76	13896	11756	0.85	0.87	12784	10815	0.85	0.95	11731	9924	0.85	1.02
75	64	16148	11723	0.73	0.84	15270	11086	0.73	0.94	14159	10279	0.73	1.02	13105	9515	0.73	1.10
75	68	16850	10211	0.61	0.89	16148	9786	0.61	0.97	15212	9218	0.61	1.06	14100	8545	0.61	1.15
75	72	17786	8644	0.49	0.92	17201	8360	0.49	1.02	16148	7848	0.49	1.11	15095	7336	0.49	1.20
79	61	14773	13680	0.93	0.76	13896	12867	0.93	0.87	12784	11838	0.93	0.95	11731	10863	0.93	1.02
79	64	16148	13015	0.81	0.84	15270	12308	0.81	0.94	14159	11412	0.81	1.02	13105	10563	0.81	1.10
79	68	16850	11559	0.69	0.89	16148	11077	0.69	0.97	15212	10435	0.69	1.06	14100	9673	0.69	1.15
79	72	17786	10067	0.57	0.92	17201	9736	0.57	1.02	16148	9140	0.57	1.11	15095	8544	0.57	1.20
81	61	14773	14271	0.97	0.76	13896	13423	0.97	0.87	12784	12349	0.97	0.95	11731	11332	0.97	1.02
81	64	16148	13661	0.85	0.84	15270	12919	0.85	0.94	14159	11978	0.85	1.02	13105	11087	0.85	1.10
81	68	16850	12233	0.73	0.89	16148	11723	0.73	0.97	15212	11044	0.73	1.06	14100	10237	0.73	1.15
81	72	17786	10778	0.61	0.92	17201	10424	0.61	1.02	16148	9786	0.61	1.11	15095	9147	0.61	1.20
82	61	14773	14773	1.00	0.76	13896	13896	1.00	0.87	12784	12784	1.00	0.95	11731	11731	1.00	1.02
82	64	16148	14307	0.89	0.84	15270	13529	0.89	0.94	14159	12544	0.89	1.02	13105	11611	0.89	1.10
82	68	16850	12907	0.77	0.89	16148	12369	0.77	0.97	15212	11652	0.77	1.06	14100	10801	0.77	1.15
82	72	17786	11490	0.65	0.92	17201	11112	0.65	1.02	16148	10431	0.65	1.11	15095	9751	0.65	1.20
86	61	14773	14773	1.00	0.76	13896	13896	1.00	0.87	12784	12784	1.00	0.95	11731	11731	1.00	1.02
86	64	16148	15599	0.97	0.84	15270	14751	0.97	0.94	14159	13677	0.97	1.02	13105	12660	0.97	1.10
86	68	16850	14255	0.85	0.89	16148	13661	0.85	0.97	15212	12869	0.85	1.06	14100	11929	0.85	1.15
86	72	17786	12913	0.73	0.92	17201	12488	0.73	1.02	16148	11723	0.73	1.11	15095	10959	0.73	1.20
90	61	14773	14773	1.00	0.76	13896	13896	1.00	0.87	12784	12784	1.00	0.95	11731	11731	1.00	1.02
90	64	16148	16148	1.00	0.84	15270	15270	1.00	0.94	14159	14159	1.00	1.02	13105	13105	1.00	1.10
90	68	16850	15603	0.93	0.89	16148	14953	0.93	0.97	15212	14086	0.93	1.06	14100	13057	0.93	1.15
90	72	17786	14335	0.81	0.92	17201	13864	0.81	1.02	16148	13015	0.81	1.11	15095	12166	0.81	1.20

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
SLZ-KF15NA / SUZ-KA15NA2
CAPACITY :14100(Btu/h) INPUT :1.15(kW) SHF :0.75

		OUTDOOR DB(°F)							
INDOOR	INDOOR	104				115			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	10678	6898	0.65	1.08	9625	6218	0.65	1.13
68	64	12052	6340	0.53	1.16	10999	5786	0.53	1.21
68	61	10678	7325	0.69	1.08	9625	6603	0.69	1.13
68	64	12052	6822	0.57	1.16	10999	6226	0.57	1.21
68	68	12988	5793	0.45	1.21	12052	5375	0.45	1.26
72	61	10678	8179	0.77	1.08	9625	7372	0.77	1.13
72	64	12052	7786	0.65	1.16	10999	7105	0.65	1.21
72	68	12988	6832	0.53	1.21	12052	6340	0.53	1.26
75	61	10678	9033	0.85	1.08	9625	8142	0.85	1.13
75	64	12052	8750	0.73	1.16	10999	7985	0.73	1.21
75	68	12988	7871	0.61	1.21	12052	7304	0.61	1.26
75	72	14041	6824	0.49	1.26	12871	6255	0.49	1.29
79	61	10678	9888	0.93	1.08	9625	8912	0.93	1.13
79	64	12052	9714	0.81	1.16	10999	8865	0.81	1.21
79	68	12988	8910	0.69	1.21	12052	8268	0.69	1.26
79	72	14041	7947	0.57	1.26	12871	7285	0.57	1.29
81	61	10678	10315	0.97	1.08	9625	9297	0.97	1.13
81	64	12052	10196	0.85	1.16	10999	9305	0.85	1.21
81	68	12988	9430	0.73	1.21	12052	8750	0.73	1.26
81	72	14041	8509	0.61	1.26	12871	7800	0.61	1.29
82	61	10678	10678	1.00	1.08	9625	9625	1.00	1.13
82	64	12052	10678	0.89	1.16	10999	9745	0.89	1.21
82	68	12988	9949	0.77	1.21	12052	9232	0.77	1.26
82	72	14041	9071	0.65	1.26	12871	8315	0.65	1.29
86	61	10678	10678	1.00	1.08	9625	9625	1.00	1.13
86	64	12052	11643	0.97	1.16	10999	10625	0.97	1.21
86	68	12988	10988	0.85	1.21	12052	10196	0.85	1.26
86	72	14041	10194	0.73	1.26	12871	9345	0.73	1.29
90	61	10678	10678	1.00	1.08	9625	9625	1.00	1.13
90	64	12052	12052	1.00	1.16	10999	10999	1.00	1.21
90	68	12988	12027	0.93	1.21	12052	11160	0.93	1.26
90	72	14041	11317	0.81	1.26	12871	10374	0.81	1.29

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
SLZ-KF18NA / SUZ-KA18NA2
CAPACITY : 17700(Btu/h) INPUT :1.41(kW) SHF :0.71

		OUTDOOR DB(°F)															
INDOOR	INDOOR	68				77				86				95			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	18545	11238	0.61	0.93	17443	10571	0.61	1.06	16048	9725	0.61	1.16	14726	8924	0.61	1.26
68	64	20271	9851	0.49	1.03	19169	9316	0.49	1.16	17773	8638	0.49	1.26	16451	7995	0.49	1.35
68	61	18545	11980	0.65	0.93	17443	11268	0.65	1.06	16048	10367	0.65	1.16	14726	9513	0.65	1.26
68	64	20271	10662	0.53	1.03	19169	10083	0.53	1.16	17773	9349	0.53	1.26	16451	8653	0.53	1.35
68	68	21152	8588	0.41	1.09	20271	8230	0.41	1.18	19095	7753	0.41	1.30	17700	7186	0.41	1.41
72	61	18545	13464	0.73	0.93	17443	12664	0.73	1.06	16048	11651	0.73	1.16	14726	10691	0.73	1.26
72	64	20271	12284	0.61	1.03	19169	11616	0.61	1.16	17773	10771	0.61	1.26	16451	9970	0.61	1.35
72	68	21152	10280	0.49	1.09	20271	9851	0.49	1.18	19095	9280	0.49	1.30	17700	8602	0.49	1.41
75	61	18545	14947	0.81	0.93	17443	14059	0.81	1.06	16048	12935	0.81	1.16	14726	11869	0.81	1.26
75	64	20271	13906	0.69	1.03	19169	13150	0.69	1.16	17773	12193	0.69	1.26	16451	11286	0.69	1.35
75	68	21152	11972	0.57	1.09	20271	11473	0.57	1.18	19095	10808	0.57	1.30	17700	10018	0.57	1.41
75	72	22327	9958	0.45	1.13	21593	9630	0.45	1.26	20271	9041	0.45	1.36	18949	8451	0.45	1.47
79	61	18545	16431	0.89	0.93	17443	15455	0.89	1.06	16048	14219	0.89	1.16	14726	13047	0.89	1.26
79	64	20271	15527	0.77	1.03	19169	14683	0.77	1.16	17773	13614	0.77	1.26	16451	12602	0.77	1.35
79	68	21152	13664	0.65	1.09	20271	13095	0.65	1.18	19095	12336	0.65	1.30	17700	11434	0.65	1.41
79	72	22327	11744	0.53	1.13	21593	11358	0.53	1.26	20271	10662	0.53	1.36	18949	9967	0.53	1.47
81	61	18545	17173	0.93	0.93	17443	16153	0.93	1.06	16048	14860	0.93	1.16	14726	13636	0.93	1.26
81	64	20271	16338	0.81	1.03	19169	15450	0.81	1.16	17773	14325	0.81	1.26	16451	13260	0.81	1.35
81	68	21152	14510	0.69	1.09	20271	13906	0.69	1.18	19095	13099	0.69	1.30	17700	12142	0.69	1.41
81	72	22327	12637	0.57	1.13	21593	12221	0.57	1.26	20271	11473	0.57	1.36	18949	10725	0.57	1.47
82	61	18545	17915	0.97	0.93	17443	16850	0.97	1.06	16048	15502	0.97	1.16	14726	14225	0.97	1.26
82	64	20271	17149	0.85	1.03	19169	16217	0.85	1.16	17773	15036	0.85	1.26	16451	13918	0.85	1.35
82	68	21152	15356	0.73	1.09	20271	14716	0.73	1.18	19095	13863	0.73	1.30	17700	12850	0.73	1.41
82	72	22327	13530	0.61	1.13	21593	13085	0.61	1.26	20271	12284	0.61	1.36	18949	11483	0.61	1.47
86	61	18545	18545	1.00	0.93	17443	17443	1.00	1.06	16048	16048	1.00	1.16	14726	14726	1.00	1.26
86	64	20271	18771	0.93	1.03	19169	17750	0.93	1.16	17773	16458	0.93	1.26	16451	15234	0.93	1.35
86	68	21152	17048	0.81	1.09	20271	16338	0.81	1.18	19095	15391	0.81	1.30	17700	14266	0.81	1.41
86	72	22327	15316	0.69	1.13	21593	14812	0.69	1.26	20271	13906	0.69	1.36	18949	12999	0.69	1.47
90	61	18545	18545	1.00	0.93	17443	17443	1.00	1.06	16048	16048	1.00	1.16	14726	14726	1.00	1.26
90	64	20271	20271	1.00	1.03	19169	19169	1.00	1.16	17773	17773	1.00	1.26	16451	16451	1.00	1.35
90	68	21152	18741	0.89	1.09	20271	17960	0.89	1.18	19095	16919	0.89	1.30	17700	15682	0.89	1.41
90	72	22327	17102	0.77	1.13	21593	16540	0.77	1.26	20271	15527	0.77	1.36	18949	14515	0.77	1.47

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
SLZ-KF18NA / SUZ-KA18NA2
CAPACITY : 17700(Btu/h) INPUT :1.41(kW) SHF :0.71

		OUTDOOR DB(°F)							
INDOOR	INDOOR	104				115			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	13404	8123	0.61	1.32	12082	7322	0.61	1.38
68	64	15129	7353	0.49	1.42	13807	6710	0.49	1.48
68	61	13404	8659	0.65	1.32	12082	7805	0.65	1.38
68	64	15129	7958	0.53	1.42	13807	7263	0.53	1.48
68	68	16305	6620	0.41	1.48	15129	6143	0.41	1.55
72	61	13404	9731	0.73	1.32	12082	8772	0.73	1.38
72	64	15129	9168	0.61	1.42	13807	8367	0.61	1.48
72	68	16305	7924	0.49	1.48	15129	7353	0.49	1.55
75	61	13404	10804	0.81	1.32	12082	9738	0.81	1.38
75	64	15129	10379	0.69	1.42	13807	9472	0.69	1.48
75	68	16305	9228	0.57	1.48	15129	8563	0.57	1.55
75	72	17627	7861	0.45	1.54	16158	7206	0.45	1.58
79	61	13404	11876	0.89	1.32	12082	10705	0.89	1.38
79	64	15129	11589	0.77	1.42	13807	10577	0.77	1.48
79	68	16305	10533	0.65	1.48	15129	9774	0.65	1.55
79	72	17627	9272	0.53	1.54	16158	8499	0.53	1.58
81	61	13404	12412	0.93	1.32	12082	11188	0.93	1.38
81	64	15129	12194	0.81	1.42	13807	11129	0.81	1.48
81	68	16305	11185	0.69	1.48	15129	10379	0.69	1.55
81	72	17627	9977	0.57	1.54	16158	9145	0.57	1.58
82	61	13404	12948	0.97	1.32	12082	11671	0.97	1.38
82	64	15129	12800	0.85	1.42	13807	11681	0.85	1.48
82	68	16305	11837	0.73	1.48	15129	10984	0.73	1.55
82	72	17627	10682	0.61	1.54	16158	9792	0.61	1.58
86	61	13404	13404	1.00	1.32	12082	12082	1.00	1.38
86	64	15129	14010	0.93	1.42	13807	12786	0.93	1.48
86	68	16305	13141	0.81	1.48	15129	12194	0.81	1.55
86	72	17627	12092	0.69	1.54	16158	11084	0.69	1.58
90	61	13404	13404	1.00	1.32	12082	12082	1.00	1.38
90	64	15129	15129	1.00	1.42	13807	13807	1.00	1.48
90	68	16305	14446	0.89	1.48	15129	13405	0.89	1.55
90	72	17627	13502	0.77	1.54	16158	12377	0.77	1.58

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

HEATING operation at Rated frequency

SLZ-KF09NA / SUZ-KA09NA2

CAPACITY : 11000(Btu/h) INPUT :0.81(kW)

	OUTDOOR WB(°F)											
INDOOR	14		23		32		41		50		59	
DB(°F)	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
59	7092	0.54	8637	0.64	9414	0.68	10977	0.76	12549	0.83	14129	0.87
68	6707	0.58	8268	0.68	9053	0.72	10621	0.80	12172	0.85	13689	0.89
77	6052	0.62	7681	0.72	8491	0.76	10089	0.83	11642	0.89	13130	0.92

SLZ-KF12NA / SUZ-KA12NA2

CAPACITY : 13000(Btu/h) INPUT :1.31(kW)

	OUTDOOR WB(°F)											
INDOOR	14		23		32		41		50		59	
DB(°F)	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
59	8382	0.87	10208	1.03	11126	1.11	12973	1.24	14831	1.34	16697	1.40
68	7926	0.94	9771	1.10	10699	1.17	12552	1.29	14386	1.38	16178	1.44
77	7153	1.00	9078	1.16	10035	1.23	11923	1.35	13759	1.43	15518	1.49

SLZ-KF15NA / SUZ-KA15NA2

CAPACITY :18000(Btu/h) INPUT :1.73(kW)

	OUTDOOR WB(°F)											
INDOOR	14		23		32		41		50		59	
DB(°F)	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
59	11605	1.15	14134	1.36	15405	1.46	17962	1.63	20535	1.77	23119	1.85
68	10975	1.24	13529	1.45	14814	1.54	17380	1.70	19918	1.82	22401	1.90
77	9904	1.32	12569	1.54	13894	1.63	16509	1.78	19051	1.89	21486	1.97

SLZ-KF18NA / SUZ-KA18NA2

CAPACITY : 19700(Btu/h) INPUT :1.85(kW)

	OUTDOOR WB(°F)											
INDOOR	14		23		32		41		50		59	
DB(°F)	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
59	12701	1.22	15468	1.46	16860	1.56	19659	1.75	22474	1.89	25303	1.98
68	12011	1.33	14807	1.55	16213	1.65	19021	1.82	21800	1.95	24516	2.04
77	10839	1.42	13756	1.64	15206	1.74	18069	1.90	20850	2.03	23515	2.11

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

A.4.5.2 H2i SUZ series

COOLING operation at Rated frequency
SLZ-KF09NA / SUZ-KA09NAHZ
CAPACITY : 9000(Btu/h) INPUT :0.6(kW) SHF :0.77

		OUTDOOR DB(°F)															
INDOOR	INDOOR	68				77				86				95			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	9430	6280	0.67	0.40	8870	5907	0.67	0.45	8160	5435	0.67	0.49	7488	4987	0.67	0.53
68	64	10307	5628	0.55	0.44	9747	5322	0.55	0.49	9037	4934	0.55	0.53	8365	4567	0.55	0.58
68	61	9430	6657	0.71	0.40	8870	6262	0.71	0.45	8160	5761	0.71	0.49	7488	5286	0.71	0.53
68	64	10307	6040	0.59	0.44	9747	5712	0.59	0.49	9037	5296	0.59	0.53	8365	4902	0.59	0.58
68	68	10755	5012	0.47	0.46	10307	4803	0.47	0.50	9710	4525	0.47	0.55	9000	4194	0.47	0.60
72	61	9430	7412	0.79	0.40	8870	6971	0.79	0.45	8160	6414	0.79	0.49	7488	5885	0.79	0.53
72	64	10307	6864	0.67	0.44	9747	6491	0.67	0.49	9037	6019	0.67	0.53	8365	5571	0.67	0.58
72	68	10755	5872	0.55	0.46	10307	5628	0.55	0.50	9710	5301	0.55	0.55	9000	4914	0.55	0.60
75	61	9430	8166	0.87	0.40	8870	7681	0.87	0.45	8160	7067	0.87	0.49	7488	6484	0.87	0.53
75	64	10307	7689	0.75	0.44	9747	7271	0.75	0.49	9037	6742	0.75	0.53	8365	6240	0.75	0.58
75	68	10755	6733	0.63	0.46	10307	6452	0.63	0.50	9710	6078	0.63	0.55	9000	5634	0.63	0.60
75	72	11353	5744	0.51	0.48	10979	5556	0.51	0.53	10307	5215	0.51	0.58	9635	4875	0.51	0.62
79	61	9430	8921	0.95	0.40	8870	8391	0.95	0.45	8160	7719	0.95	0.49	7488	7083	0.95	0.53
79	64	10307	8514	0.83	0.44	9747	8051	0.83	0.49	9037	7465	0.83	0.53	8365	6910	0.83	0.58
79	68	10755	7593	0.71	0.46	10307	7277	0.71	0.50	9710	6855	0.71	0.55	9000	6354	0.71	0.60
79	72	11353	6653	0.59	0.48	10979	6434	0.59	0.53	10307	6040	0.59	0.58	9635	5646	0.59	0.62
81	61	9430	9298	0.99	0.40	8870	8745	0.99	0.45	8160	8046	0.99	0.49	7488	7383	0.99	0.53
81	64	10307	8926	0.87	0.44	9747	8441	0.87	0.49	9037	7826	0.87	0.53	8365	7244	0.87	0.58
81	68	10755	8023	0.75	0.46	10307	7689	0.75	0.50	9710	7243	0.75	0.55	9000	6714	0.75	0.60
81	72	11353	7107	0.63	0.48	10979	6873	0.63	0.53	10307	6452	0.63	0.58	9635	6031	0.63	0.62
82	61	9430	9430	1.00	0.40	8870	8870	1.00	0.45	8160	8160	1.00	0.49	7488	7488	1.00	0.53
82	64	10307	9338	0.91	0.44	9747	8831	0.91	0.49	9037	8188	0.91	0.53	8365	7579	0.91	0.58
82	68	10755	8454	0.79	0.46	10307	8101	0.79	0.50	9710	7632	0.79	0.55	9000	7074	0.79	0.60
82	72	11353	7561	0.67	0.48	10979	7312	0.67	0.53	10307	6864	0.67	0.58	9635	6417	0.67	0.62
86	61	9430	9430	1.00	0.40	8870	8870	1.00	0.45	8160	8160	1.00	0.49	7488	7488	1.00	0.53
86	64	10307	10163	0.99	0.44	9747	9610	0.99	0.49	9037	8911	0.99	0.53	8365	8248	0.99	0.58
86	68	10755	9314	0.87	0.46	10307	8926	0.87	0.50	9710	8408	0.87	0.55	9000	7794	0.87	0.60
86	72	11353	8469	0.75	0.48	10979	8191	0.75	0.53	10307	7689	0.75	0.58	9635	7188	0.75	0.62
90	61	9430	9430	1.00	0.40	8870	8870	1.00	0.45	8160	8160	1.00	0.49	7488	7488	1.00	0.53
90	64	10307	10307	1.00	0.44	9747	9747	1.00	0.49	9037	9037	1.00	0.53	8365	8365	1.00	0.58
90	68	10755	10174	0.95	0.46	10307	9750	0.95	0.50	9710	9185	0.95	0.55	9000	8514	0.95	0.60
90	72	11353	9377	0.83	0.48	10979	9069	0.83	0.53	10307	8514	0.83	0.58	9635	7958	0.83	0.62

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
SLZ-KF09NA / SUZ-KA09NAHZ
CAPACITY : 9000(Btu/h) INPUT :0.6(kW) SHF :0.77

		OUTDOOR DB(°F)							
INDOOR	INDOOR	104				115			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	6816	4539	0.67	0.56	6143	4092	0.67	0.59
68	64	7693	4200	0.55	0.60	7021	3833	0.55	0.63
68	61	6816	4812	0.71	0.56	6143	4337	0.71	0.59
68	64	7693	4508	0.59	0.60	7021	4114	0.59	0.63
68	68	8290	3863	0.47	0.63	7693	3585	0.47	0.66
72	61	6816	5357	0.79	0.56	6143	4829	0.79	0.59
72	64	7693	5124	0.67	0.60	7021	4676	0.67	0.63
72	68	8290	4527	0.55	0.63	7693	4200	0.55	0.66
75	61	6816	5902	0.87	0.56	6143	5320	0.87	0.59
75	64	7693	5739	0.75	0.60	7021	5237	0.75	0.63
75	68	8290	5190	0.63	0.63	7693	4816	0.63	0.66
75	72	8963	4535	0.51	0.65	8216	4157	0.51	0.67
79	61	6816	6448	0.95	0.56	6143	5812	0.95	0.59
79	64	7693	6354	0.83	0.60	7021	5799	0.83	0.63
79	68	8290	5853	0.71	0.63	7693	5431	0.71	0.66
79	72	8963	5252	0.59	0.65	8216	4814	0.59	0.67
81	61	6816	6720	0.99	0.56	6143	6057	0.99	0.59
81	64	7693	6662	0.87	0.60	7021	6080	0.87	0.63
81	68	8290	6185	0.75	0.63	7693	5739	0.75	0.66
81	72	8963	5611	0.63	0.65	8216	5143	0.63	0.67
82	61	6816	6816	1.00	0.56	6143	6143	1.00	0.59
82	64	7693	6970	0.91	0.60	7021	6361	0.91	0.63
82	68	8290	6516	0.79	0.63	7693	6047	0.79	0.66
82	72	8963	5969	0.67	0.65	8216	5472	0.67	0.67
86	61	6816	6816	1.00	0.56	6143	6143	1.00	0.59
86	64	7693	7585	0.99	0.60	7021	6922	0.99	0.63
86	68	8290	7180	0.87	0.63	7693	6662	0.87	0.66
86	72	8963	6686	0.75	0.65	8216	6129	0.75	0.67
90	61	6816	6816	1.00	0.56	6143	6143	1.00	0.59
90	64	7693	7693	1.00	0.60	7021	7021	1.00	0.63
90	68	8290	7843	0.95	0.63	7693	7278	0.95	0.66
90	72	8963	7403	0.83	0.65	8216	6786	0.83	0.67

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
SLZ-KF12NA / SUZ-KA12NAHZ
CAPACITY :12000(Btu/h) INPUT :0.94(kW) SHF :0.71

		OUTDOOR DB(°F)															
INDOOR	INDOOR	68				77				86				95			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	12573	7619	0.61	0.62	11826	7167	0.61	0.71	10880	6593	0.61	0.77	9984	6050	0.61	0.84
68	64	13743	6679	0.49	0.69	12996	6316	0.49	0.77	12050	5856	0.49	0.84	11154	5421	0.49	0.90
68	61	12573	8122	0.65	0.62	11826	7640	0.65	0.71	10880	7028	0.65	0.77	9984	6449	0.65	0.84
68	64	13743	7229	0.53	0.69	12996	6836	0.53	0.77	12050	6338	0.53	0.84	11154	5867	0.53	0.90
68	68	14340	5822	0.41	0.73	13743	5580	0.41	0.79	12946	5256	0.41	0.87	12000	4872	0.41	0.94
72	61	12573	9128	0.73	0.62	11826	8586	0.73	0.71	10880	7899	0.73	0.77	9984	7248	0.73	0.84
72	64	13743	8328	0.61	0.69	12996	7875	0.61	0.77	12050	7302	0.61	0.84	11154	6759	0.61	0.90
72	68	14340	6969	0.49	0.73	13743	6679	0.49	0.79	12946	6292	0.49	0.87	12000	5832	0.49	0.94
75	61	12573	10134	0.81	0.62	11826	9532	0.81	0.71	10880	8769	0.81	0.77	9984	8047	0.81	0.84
75	64	13743	9428	0.69	0.69	12996	8915	0.69	0.77	12050	8266	0.69	0.84	11154	7651	0.69	0.90
75	68	14340	8117	0.57	0.73	13743	7778	0.57	0.79	12946	7327	0.57	0.87	12000	6792	0.57	0.94
75	72	15137	6751	0.45	0.76	14639	6529	0.45	0.84	13743	6129	0.45	0.91	12846	5730	0.45	0.98
79	61	12573	11140	0.89	0.62	11826	10478	0.89	0.71	10880	9640	0.89	0.77	9984	8846	0.89	0.84
79	64	13743	10527	0.77	0.69	12996	9955	0.77	0.77	12050	9230	0.77	0.84	11154	8544	0.77	0.90
79	68	14340	9264	0.65	0.73	13743	8878	0.65	0.79	12946	8363	0.65	0.87	12000	7752	0.65	0.94
79	72	15137	7962	0.53	0.76	14639	7700	0.53	0.84	13743	7229	0.53	0.91	12846	6757	0.53	0.98
81	61	12573	11643	0.93	0.62	11826	10951	0.93	0.71	10880	10075	0.93	0.77	9984	9245	0.93	0.84
81	64	13743	11077	0.81	0.69	12996	10475	0.81	0.77	12050	9712	0.81	0.84	11154	8990	0.81	0.90
81	68	14340	9837	0.69	0.73	13743	9428	0.69	0.79	12946	8881	0.69	0.87	12000	8232	0.69	0.94
81	72	15137	8568	0.57	0.76	14639	8286	0.57	0.84	13743	7778	0.57	0.91	12846	7271	0.57	0.98
82	61	12573	12145	0.97	0.62	11826	11424	0.97	0.71	10880	10510	0.97	0.77	9984	9644	0.97	0.84
82	64	13743	11626	0.85	0.69	12996	10994	0.85	0.77	12050	10194	0.85	0.84	11154	9436	0.85	0.90
82	68	14340	10411	0.73	0.73	13743	9977	0.73	0.79	12946	9399	0.73	0.87	12000	8712	0.73	0.94
82	72	15137	9173	0.61	0.76	14639	8871	0.61	0.84	13743	8328	0.61	0.91	12846	7785	0.61	0.98
86	61	12573	12573	1.00	0.62	11826	11826	1.00	0.71	10880	10880	1.00	0.77	9984	9984	1.00	0.84
86	64	13743	12726	0.93	0.69	12996	12034	0.93	0.77	12050	11158	0.93	0.84	11154	10328	0.93	0.90
86	68	14340	11558	0.81	0.73	13743	11077	0.81	0.79	12946	10435	0.81	0.87	12000	9672	0.81	0.94
86	72	15137	10384	0.69	0.76	14639	10042	0.69	0.84	13743	9428	0.69	0.91	12846	8813	0.69	0.98
90	61	12573	12573	1.00	0.62	11826	11826	1.00	0.71	10880	10880	1.00	0.77	9984	9984	1.00	0.84
90	64	13743	13743	1.00	0.69	12996	12996	1.00	0.77	12050	12050	1.00	0.84	11154	11154	1.00	0.90
90	68	14340	12705	0.89	0.73	13743	12176	0.89	0.79	12946	11470	0.89	0.87	12000	10632	0.89	0.94
90	72	15137	11595	0.77	0.76	14639	11213	0.77	0.84	13743	10527	0.77	0.91	12846	9840	0.77	0.98

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
SLZ-KF12NA / SUZ-KA12NAHZ
CAPACITY :12000(Btu/h) INPUT :0.94(kW) SHF :0.71

		OUTDOOR DB(°F)							
INDOOR	INDOOR	104				115			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	9087	5507	0.61	0.88	8191	4964	0.61	0.92
68	64	10257	4985	0.49	0.94	9361	4549	0.49	0.99
68	61	9087	5871	0.65	0.88	8191	5292	0.65	0.92
68	64	10257	5395	0.53	0.94	9361	4924	0.53	0.99
68	68	11054	4488	0.41	0.99	10257	4164	0.41	1.03
72	61	9087	6597	0.73	0.88	8191	5947	0.73	0.92
72	64	10257	6216	0.61	0.94	9361	5673	0.61	0.99
72	68	11054	5372	0.49	0.99	10257	4985	0.49	1.03
75	61	9087	7324	0.81	0.88	8191	6602	0.81	0.92
75	64	10257	7036	0.69	0.94	9361	6422	0.69	0.99
75	68	11054	6257	0.57	0.99	10257	5806	0.57	1.03
75	72	11950	5330	0.45	1.03	10954	4886	0.45	1.06
79	61	9087	8051	0.89	0.88	8191	7257	0.89	0.92
79	64	10257	7857	0.77	0.94	9361	7171	0.77	0.99
79	68	11054	7141	0.65	0.99	10257	6626	0.65	1.03
79	72	11950	6286	0.53	1.03	10954	5762	0.53	1.06
81	61	9087	8415	0.93	0.88	8191	7585	0.93	0.92
81	64	10257	8267	0.81	0.94	9361	7545	0.81	0.99
81	68	11054	7583	0.69	0.99	10257	7036	0.69	1.03
81	72	11950	6764	0.57	1.03	10954	6200	0.57	1.06
82	61	9087	8778	0.97	0.88	8191	7913	0.97	0.92
82	64	10257	8678	0.85	0.94	9361	7919	0.85	0.99
82	68	11054	8025	0.73	0.99	10257	7447	0.73	1.03
82	72	11950	7242	0.61	1.03	10954	6638	0.61	1.06
86	61	9087	9087	1.00	0.88	8191	8191	1.00	0.92
86	64	10257	9498	0.93	0.94	9361	8668	0.93	0.99
86	68	11054	8909	0.81	0.99	10257	8267	0.81	1.03
86	72	11950	8198	0.69	1.03	10954	7515	0.69	1.06
90	61	9087	9087	1.00	0.88	8191	8191	1.00	0.92
90	64	10257	10257	1.00	0.94	9361	9361	1.00	0.99
90	68	11054	9794	0.89	0.99	10257	9088	0.89	1.03
90	72	11950	9154	0.77	1.03	10954	8391	0.77	1.06

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
SLZ-KF15NA / SUZ-KA15NAHZ
CAPACITY :13700(Btu/h) INPUT :1.095(kW) SHF :0.72

		OUTDOOR DB(°F)															
INDOOR	INDOOR	68				77				86				95			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	14354	8842	0.62	0.73	13501	8317	0.62	0.82	12421	7652	0.62	0.90	11398	7021	0.62	0.98
68	64	15690	7782	0.50	0.80	14837	7359	0.50	0.90	13757	6823	0.50	0.98	12734	6316	0.50	1.05
68	61	14354	9416	0.66	0.73	13501	8857	0.66	0.82	12421	8148	0.66	0.90	11398	7477	0.66	0.98
68	64	15690	8410	0.54	0.80	14837	7953	0.54	0.90	13757	7374	0.54	0.98	12734	6825	0.54	1.05
68	68	16372	6811	0.42	0.85	15690	6527	0.42	0.92	14780	6149	0.42	1.01	13700	5699	0.42	1.10
72	61	14354	10565	0.74	0.73	13501	9937	0.74	0.82	12421	9142	0.74	0.90	11398	8389	0.74	0.98
72	64	15690	9665	0.62	0.80	14837	9140	0.62	0.90	13757	8474	0.62	0.98	12734	7844	0.62	1.05
72	68	16372	8120	0.50	0.85	15690	7782	0.50	0.92	14780	7331	0.50	1.01	13700	6795	0.50	1.10
75	61	14354	11713	0.82	0.73	13501	11017	0.82	0.82	12421	10136	0.82	0.90	11398	9301	0.82	0.98
75	64	15690	10920	0.70	0.80	14837	10327	0.70	0.90	13757	9575	0.70	0.98	12734	8863	0.70	1.05
75	68	16372	9430	0.58	0.85	15690	9037	0.58	0.92	14780	8513	0.58	1.01	13700	7891	0.58	1.10
75	72	17281	7880	0.46	0.88	16713	7621	0.46	0.98	15690	7154	0.46	1.06	14666	6688	0.46	1.14
79	61	14354	12861	0.90	0.73	13501	12097	0.90	0.82	12421	11130	0.90	0.90	11398	10213	0.90	0.98
79	64	15690	12175	0.78	0.80	14837	11513	0.78	0.90	13757	10675	0.78	0.98	12734	9881	0.78	1.05
79	68	16372	10740	0.66	0.85	15690	10292	0.66	0.92	14780	9696	0.66	1.01	13700	8987	0.66	1.10
79	72	17281	9263	0.54	0.88	16713	8958	0.54	0.98	15690	8410	0.54	1.06	14666	7861	0.54	1.14
81	61	14354	13435	0.94	0.73	13501	12637	0.94	0.82	12421	11626	0.94	0.90	11398	10669	0.94	0.98
81	64	15690	12803	0.82	0.80	14837	12107	0.82	0.90	13757	11226	0.82	0.98	12734	10391	0.82	1.05
81	68	16372	11395	0.70	0.85	15690	10920	0.70	0.92	14780	10287	0.70	1.01	13700	9535	0.70	1.10
81	72	17281	9954	0.58	0.88	16713	9627	0.58	0.98	15690	9037	0.58	1.06	14666	8448	0.58	1.14
82	61	14354	14010	0.98	0.73	13501	13177	0.98	0.82	12421	12123	0.98	0.90	11398	11125	0.98	0.98
82	64	15690	13430	0.86	0.80	14837	12700	0.86	0.90	13757	11776	0.86	0.98	12734	10900	0.86	1.05
82	68	16372	12050	0.74	0.85	15690	11548	0.74	0.92	14780	10878	0.74	1.01	13700	10083	0.74	1.10
82	72	17281	10645	0.62	0.88	16713	10295	0.62	0.98	15690	9665	0.62	1.06	14666	9034	0.62	1.14
86	61	14354	14354	1.00	0.73	13501	13501	1.00	0.82	12421	12421	1.00	0.90	11398	11398	1.00	0.98
86	64	15690	14685	0.94	0.80	14837	13887	0.94	0.90	13757	12876	0.94	0.98	12734	11919	0.94	1.05
86	68	16372	13359	0.82	0.85	15690	12803	0.82	0.92	14780	12061	0.82	1.01	13700	11179	0.82	1.10
86	72	17281	12028	0.70	0.88	16713	11632	0.70	0.98	15690	10920	0.70	1.06	14666	10208	0.70	1.14
90	61	14354	14354	1.00	0.73	13501	13501	1.00	0.82	12421	12421	1.00	0.90	11398	11398	1.00	0.98
90	64	15690	15690	1.00	0.80	14837	14837	1.00	0.90	13757	13757	1.00	0.98	12734	12734	1.00	1.05
90	68	16372	14669	0.90	0.85	15690	14058	0.90	0.92	14780	13243	0.90	1.01	13700	12275	0.90	1.10
90	72	17281	13410	0.78	0.88	16713	12969	0.78	0.98	15690	12175	0.78	1.06	14666	11381	0.78	1.14

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
SLZ-KF15NA / SUZ-KA15NAHZ
CAPACITY :13700(Btu/h) INPUT :1.095(kW) SHF :0.72

		OUTDOOR DB(°F)							
INDOOR	INDOOR	104				115			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	10375	6391	0.62	1.03	9352	5761	0.62	1.08
68	64	11710	5808	0.50	1.10	10687	5301	0.50	1.15
68	61	10375	6806	0.66	1.03	9352	6135	0.66	1.08
68	64	11710	6277	0.54	1.10	10687	5728	0.54	1.15
68	68	12620	5250	0.42	1.15	11710	4872	0.42	1.20
72	61	10375	7636	0.74	1.03	9352	6883	0.74	1.08
72	64	11710	7214	0.62	1.10	10687	6583	0.62	1.15
72	68	12620	6259	0.50	1.15	11710	5808	0.50	1.20
75	61	10375	8466	0.82	1.03	9352	7631	0.82	1.08
75	64	11710	8150	0.70	1.10	10687	7438	0.70	1.15
75	68	12620	7269	0.58	1.15	11710	6745	0.58	1.20
75	72	13643	6221	0.46	1.20	12506	5703	0.46	1.23
79	61	10375	9296	0.90	1.03	9352	8379	0.90	1.08
79	64	11710	9087	0.78	1.10	10687	8293	0.78	1.15
79	68	12620	8279	0.66	1.15	11710	7682	0.66	1.20
79	72	13643	7313	0.54	1.20	12506	6703	0.54	1.23
81	61	10375	9711	0.94	1.03	9352	8753	0.94	1.08
81	64	11710	9556	0.82	1.10	10687	8721	0.82	1.15
81	68	12620	8783	0.70	1.15	11710	8150	0.70	1.20
81	72	13643	7858	0.58	1.20	12506	7204	0.58	1.23
82	61	10375	10126	0.98	1.03	9352	9127	0.98	1.08
82	64	11710	10024	0.86	1.10	10687	9148	0.86	1.15
82	68	12620	9288	0.74	1.15	11710	8619	0.74	1.20
82	72	13643	8404	0.62	1.20	12506	7704	0.62	1.23
86	61	10375	10375	1.00	1.03	9352	9352	1.00	1.08
86	64	11710	10961	0.94	1.10	10687	10003	0.94	1.15
86	68	12620	10298	0.82	1.15	11710	9556	0.82	1.20
86	72	13643	9496	0.70	1.20	12506	8704	0.70	1.23
90	61	10375	10375	1.00	1.03	9352	9352	1.00	1.08
90	64	11710	11710	1.00	1.10	10687	10687	1.00	1.15
90	68	12620	11307	0.90	1.15	11710	10492	0.90	1.20
90	72	13643	10587	0.78	1.20	12506	9705	0.78	1.23

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
SLZ-KF18NA / SUZ-KA18NAHZ
CAPACITY :16800(Btu/h) INPUT :1.34(kW) SHF :0.72

		OUTDOOR DB(°F)															
INDOOR	INDOOR	68				77				86				95			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	17602	10843	0.62	0.89	16556	10199	0.62	1.01	15232	9383	0.62	1.10	13977	8610	0.62	1.19
68	64	19240	9543	0.50	0.98	18194	9024	0.50	1.10	16870	8367	0.50	1.19	15615	7745	0.50	1.28
68	61	17602	11547	0.66	0.89	16556	10861	0.66	1.01	15232	9992	0.66	1.10	13977	9169	0.66	1.19
68	64	19240	10313	0.54	0.98	18194	9752	0.54	1.10	16870	9042	0.54	1.19	15615	8370	0.54	1.28
68	68	20076	8352	0.42	1.03	19240	8004	0.42	1.13	18124	7540	0.42	1.24	16800	6989	0.42	1.34
72	61	17602	12955	0.74	0.89	16556	12186	0.74	1.01	15232	11211	0.74	1.10	13977	10287	0.74	1.19
72	64	19240	11852	0.62	0.98	18194	11208	0.62	1.10	16870	10392	0.62	1.19	15615	9619	0.62	1.28
72	68	20076	9958	0.50	1.03	19240	9543	0.50	1.13	18124	8990	0.50	1.24	16800	8333	0.50	1.34
75	61	17602	14363	0.82	0.89	16556	13510	0.82	1.01	15232	12429	0.82	1.10	13977	11405	0.82	1.19
75	64	19240	13391	0.70	0.98	18194	12663	0.70	1.10	16870	11741	0.70	1.19	15615	10868	0.70	1.28
75	68	20076	11564	0.58	1.03	19240	11082	0.58	1.13	18124	10440	0.58	1.24	16800	9677	0.58	1.34
75	72	21192	9663	0.46	1.08	20495	9346	0.46	1.19	19240	8773	0.46	1.30	17985	8201	0.46	1.40
79	61	17602	15771	0.90	0.89	16556	14835	0.90	1.01	15232	13648	0.90	1.10	13977	12524	0.90	1.19
79	64	19240	14930	0.78	0.98	18194	14119	0.78	1.10	16870	13091	0.78	1.19	15615	12117	0.78	1.28
79	68	20076	13170	0.66	1.03	19240	12621	0.66	1.13	18124	11890	0.66	1.24	16800	11021	0.66	1.34
79	72	21192	11359	0.54	1.08	20495	10985	0.54	1.19	19240	10313	0.54	1.30	17985	9640	0.54	1.40
81	61	17602	16476	0.94	0.89	16556	15497	0.94	1.01	15232	14257	0.94	1.10	13977	13083	0.94	1.19
81	64	19240	15700	0.82	0.98	18194	14846	0.82	1.10	16870	13766	0.82	1.19	15615	12742	0.82	1.28
81	68	20076	13973	0.70	1.03	19240	13391	0.70	1.13	18124	12615	0.70	1.24	16800	11693	0.70	1.34
81	72	21192	12206	0.58	1.08	20495	11805	0.58	1.19	19240	11082	0.58	1.30	17985	10359	0.58	1.40
82	61	17602	17180	0.98	0.89	16556	16159	0.98	1.01	15232	14866	0.98	1.10	13977	13642	0.98	1.19
82	64	19240	16469	0.86	0.98	18194	15574	0.86	1.10	16870	14440	0.86	1.19	15615	13366	0.86	1.28
82	68	20076	14776	0.74	1.03	19240	14161	0.74	1.13	18124	13340	0.74	1.24	16800	12365	0.74	1.34
82	72	21192	13054	0.62	1.08	20495	12625	0.62	1.19	19240	11852	0.62	1.30	17985	11079	0.62	1.40
86	61	17602	17602	1.00	0.89	16556	16556	1.00	1.01	15232	15232	1.00	1.10	13977	13977	1.00	1.19
86	64	19240	18008	0.94	0.98	18194	17030	0.94	1.10	16870	15790	0.94	1.19	15615	14616	0.94	1.28
86	68	20076	16382	0.82	1.03	19240	15700	0.82	1.13	18124	14790	0.82	1.24	16800	13709	0.82	1.34
86	72	21192	14749	0.70	1.08	20495	14264	0.70	1.19	19240	13391	0.70	1.30	17985	12518	0.70	1.40
90	61	17602	17602	1.00	0.89	16556	16556	1.00	1.01	15232	15232	1.00	1.10	13977	13977	1.00	1.19
90	64	19240	19240	1.00	0.98	18194	18194	1.00	1.10	16870	16870	1.00	1.19	15615	15615	1.00	1.28
90	68	20076	17988	0.90	1.03	19240	17239	0.90	1.13	18124	16240	0.90	1.24	16800	15053	0.90	1.34
90	72	21192	16445	0.78	1.08	20495	15904	0.78	1.19	19240	14930	0.78	1.30	17985	13956	0.78	1.40

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
SLZ-KF18NA / SUZ-KA18NAHZ
CAPACITY :16800(Btu/h) INPUT :1.34(kW) SHF :0.72

		OUTDOOR DB(°F)							
INDOOR	INDOOR	104				115			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	12722	7837	0.62	1.25	11468	7064	0.62	1.32
68	64	14360	7123	0.50	1.35	13105	6500	0.50	1.41
68	61	12722	8346	0.66	1.25	11468	7523	0.66	1.32
68	64	14360	7697	0.54	1.35	13105	7024	0.54	1.41
68	68	15476	6438	0.42	1.41	14360	5974	0.42	1.47
72	61	12722	9364	0.74	1.25	11468	8440	0.74	1.32
72	64	14360	8846	0.62	1.35	13105	8073	0.62	1.41
72	68	15476	7676	0.50	1.41	14360	7123	0.50	1.47
75	61	12722	10382	0.82	1.25	11468	9358	0.82	1.32
75	64	14360	9995	0.70	1.35	13105	9121	0.70	1.41
75	68	15476	8914	0.58	1.41	14360	8271	0.58	1.47
75	72	16730	7629	0.46	1.46	15336	6993	0.46	1.51
79	61	12722	11399	0.90	1.25	11468	10275	0.90	1.32
79	64	14360	11143	0.78	1.35	13105	10170	0.78	1.41
79	68	15476	10152	0.66	1.41	14360	9420	0.66	1.47
79	72	16730	8967	0.54	1.46	15336	8220	0.54	1.51
81	61	12722	11908	0.94	1.25	11468	10734	0.94	1.32
81	64	14360	11718	0.82	1.35	13105	10694	0.82	1.41
81	68	15476	10771	0.70	1.41	14360	9995	0.70	1.47
81	72	16730	9637	0.58	1.46	15336	8834	0.58	1.51
82	61	12722	12417	0.98	1.25	11468	11192	0.98	1.32
82	64	14360	12292	0.86	1.35	13105	11218	0.86	1.41
82	68	15476	11390	0.74	1.41	14360	10569	0.74	1.47
82	72	16730	10306	0.62	1.46	15336	9447	0.62	1.51
86	61	12722	12722	1.00	1.25	11468	11468	1.00	1.32
86	64	14360	13441	0.94	1.35	13105	12267	0.94	1.41
86	68	15476	12628	0.82	1.41	14360	11718	0.82	1.47
86	72	16730	11644	0.70	1.46	15336	10674	0.70	1.51
90	61	12722	12722	1.00	1.25	11468	11468	1.00	1.32
90	64	14360	14360	1.00	1.35	13105	13105	1.00	1.41
90	68	15476	13866	0.90	1.41	14360	12867	0.90	1.47
90	72	16730	12983	0.78	1.46	15336	11901	0.78	1.51

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

HEATING operation Rated frequency

SLZ-KF09NA / SUZ-KA09NAHZ

CAPACITY : 11000(Btu/h) INPUT :0.82(kW)

	OUTDOOR WB(°F)											
INDOOR	14		23		32		41		50		59	
DB(°F)	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
59	7590	0.64	9240	0.75	10065	0.80	11495	0.80	12485	0.83	13640	0.88
68	7205	0.66	8855	0.77	9625	0.82	11055	0.81	12045	0.85	13200	0.89
77	6930	0.68	8580	0.79	9350	0.84	10670	0.83	11660	0.87	12760	0.91

SLZ-KF12NA / SUZ-KA12NAHZ

CAPACITY : 13800(Btu/h) INPUT :1.17(kW)

	OUTDOOR WB(°F)											
INDOOR	14		23		32		41		50		59	
DB(°F)	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
59	9522	0.92	11592	1.07	12627	1.15	14421	1.13	15663	1.19	17112	1.25
68	9039	0.95	11109	1.10	12075	1.17	13869	1.16	15111	1.22	16560	1.28
77	8694	0.98	10764	1.13	11730	1.20	13386	1.19	14628	1.25	16008	1.30

SLZ-KF15NA / SUZ-KA15NAHZ

CAPACITY :16400(Btu/h) INPUT :1.83(kW)

	OUTDOOR WB(°F)											
INDOOR	14		23		32		41		50		59	
DB(°F)	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
59	11316	1.44	13776	1.68	15006	1.79	17138	1.77	18614	1.86	20336	1.95
68	10742	1.48	13202	1.73	14350	1.84	16482	1.82	17958	1.91	19680	2.00
77	10332	1.53	12792	1.77	13940	1.88	15908	1.86	17384	1.95	19024	2.04

SLZ-KF18NA / SUZ-KA18NAHZ

CAPACITY : 18800(Btu/h) INPUT :2.02(kW)

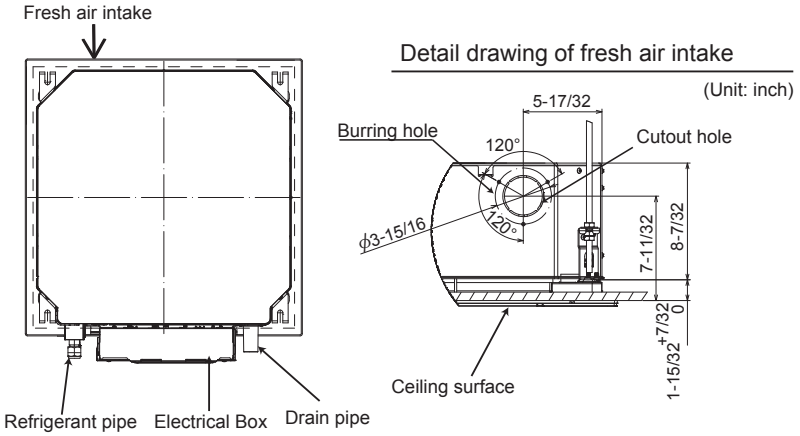
	OUTDOOR WB(°F)											
INDOOR	14		23		32		41		50		59	
DB(°F)	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
59	12972	1.59	15792	1.86	17202	1.98	19646	1.96	21338	2.06	23312	2.16
68	12314	1.64	15134	1.90	16450	2.03	18894	2.01	20586	2.10	22560	2.20
77	11844	1.68	14664	1.95	15980	2.08	18236	2.06	19928	2.15	21808	2.25

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

A.4.6 4-WAY AIR FLOW SYSTEM

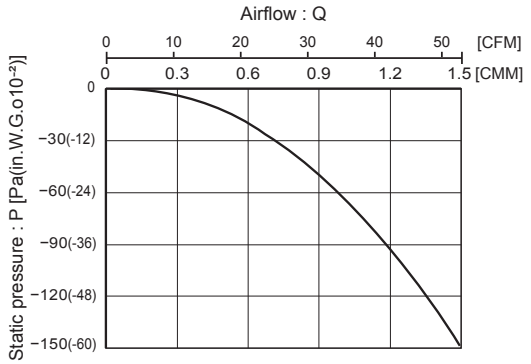
1. FRESH AIR INTAKE (LOCATION FOR INSTALLATION)

At the time of installation, use the duct holes (cut out) located at the positions shown in following diagram, as and when required.



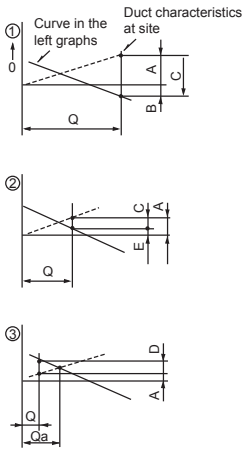
2. FRESH AIR INTAKE AMOUNT & STATIC PRESSURE CHARACTERISTICS

Taking air into the unit



NOTE: Fresh air intake amount should be 10% or less of whole air amount to prevent dew dripping.

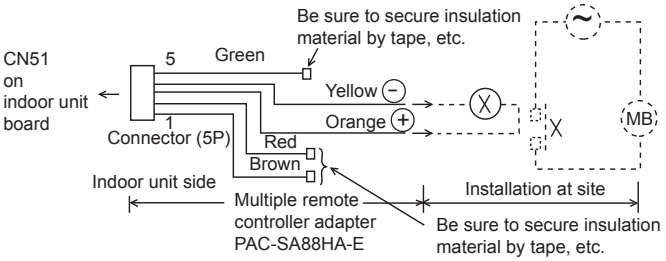
How to read curves

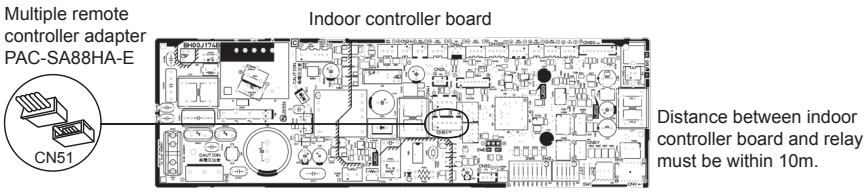


Q···Designed amount of fresh air intake <CMM (CFM)>
A···Static pressure loss of fresh air intake duct system with air flow amount Q <Pa (in.W.G.×10^{-2})>
B···Forced static pressure at air conditioner inlet with airflow amount Q <Pa (in.W.G.×10^{-2})>
C···Static pressure of booster fan with air flow amount Q <Pa (in.W.G.×10^{-2})>
D···Static pressure loss increase amount of fresh air intake duct system for air flow amount Q <Pa (in.W.G.×10^{-2})>
E···Static pressure of indoor unit with air flow amount Q <Pa (in.W.G.×10^{-2})>
Qa···Estimated amount of fresh air intake without D <CMM (CFM)>

3. OPERATION IN CONJUNCTION WITH DUCT FAN (BOOSTER FAN)

- Whenever the indoor unit operates, the duct fan operates.
  (1) Connect the optional multiple remote controller adapter (PAC-SA88HA-E) to the connector CN51 on the indoor controller board.
  (2) Drive the relay after connecting the 12 V DC relay between the Yellow and Orange connector wires.
  Use a relay of 1W or smaller.
  MB: Electromagnetic switch power relay for duct fan.
  X: Auxiliary relay (12 V DC LY-1F)



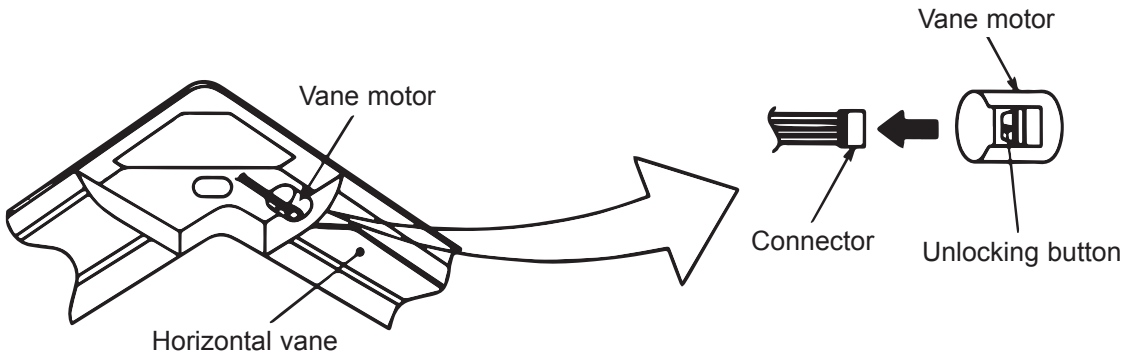


4. FIXING OF HORIZONTAL VANE

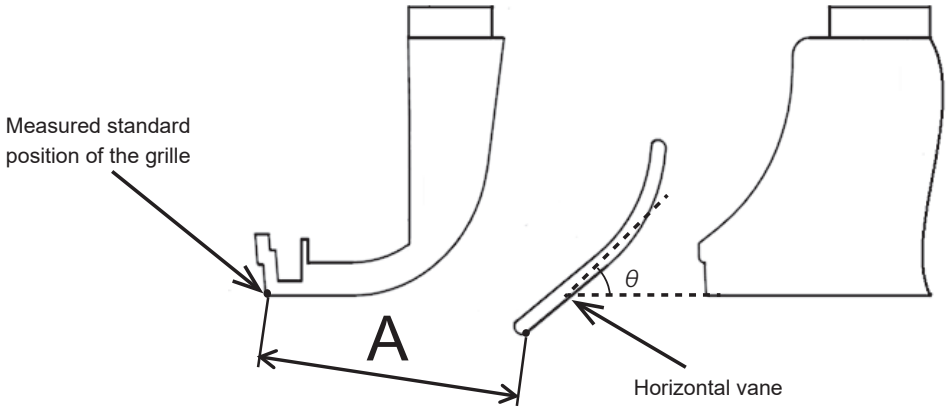
Horizontal vane of each air outlet can be fixed according to the environment where it is installed.

Setting procedure

1) Turn off a main power supply (Turn off a breaker).
2) Remove the vane motor connector in the direction of the arrow shown below with pressing the unlocking button as in the figure below.
   Insulate the disconnected connector with the plastic tape.



3) Set the vertical vane of the air outlet by hand slowly within the range in the table below.



<Set range>

Standard of horizontal position	Angle θ = 21° (Horizontal)	Angle θ = 24°	Angle θ = 39°	Angle θ = 42°	Angle θ = 45° (Downward)
Dimension A	1-9/16 inch 39 mm	1-5/8 inch 41 mm	1-7/8 inch 47 mm	1-29/32 inch 48 mm	1-15/16 inch 49 mm

Note: Dimension between 1-9/16 inch (39 mm) and 1-15/16 inch (49 mm) can be arbitrarily set.

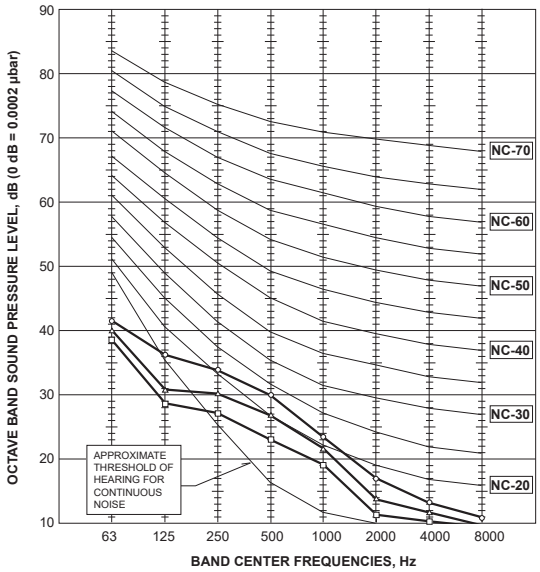
Caution	Do not set the dimension out of the range.
⚠	Erroneous setting could cause dew drips or malfunction of unit.

A.4.7 NOISE CRITERIA CURVES

SLZ-KF09NA

<60Hz>

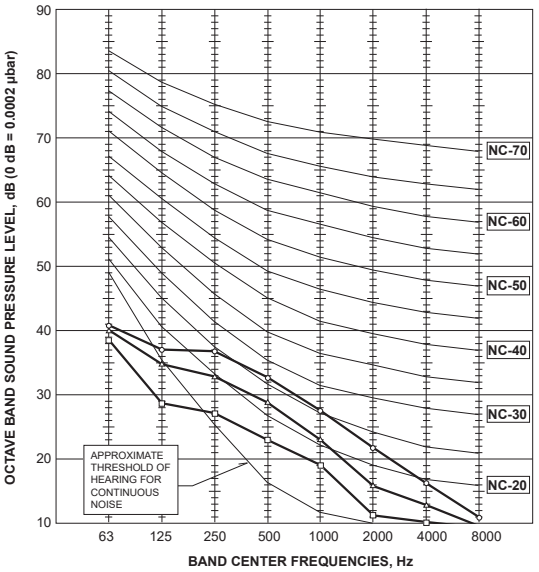
NOTCH	SPL(dB)	LINE
High	31	○—○
Medium	28	△—△
Low	25	□—□



SLZ-KF12NA

<60Hz>

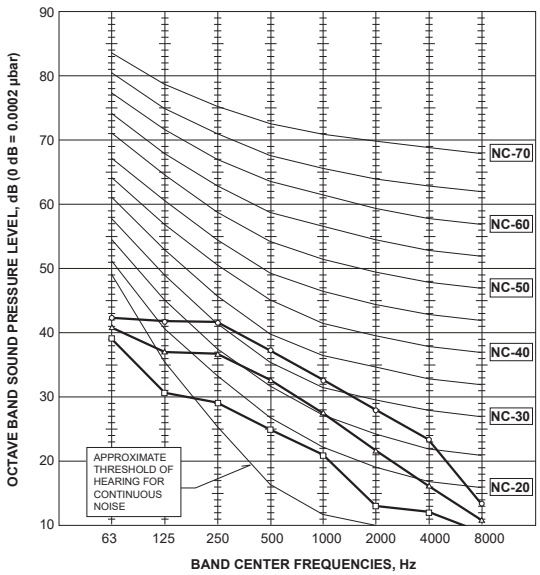
NOTCH	SPL(dB)	LINE
High	34	○—○
Medium	30	△—△
Low	25	□—□



SLZ-KF15NA

<60Hz>

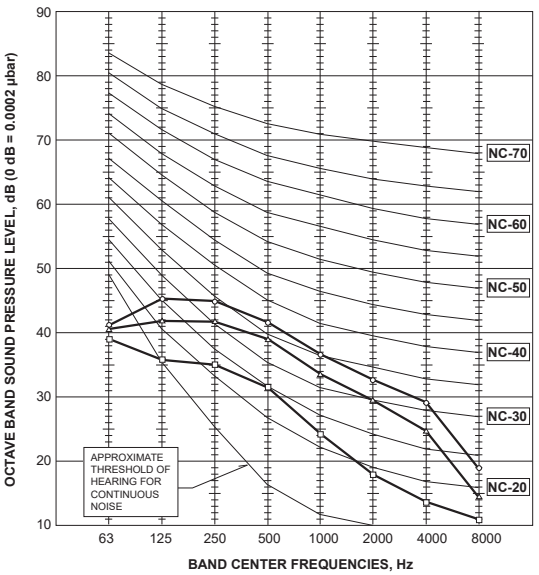
NOTCH	SPL(dB)	LINE
High	39	○—○
Medium	34	△—△
Low	27	□—□

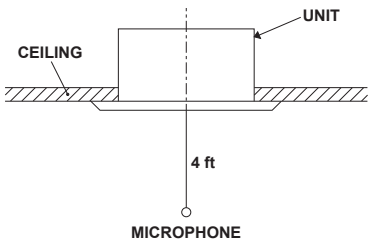


SLZ-KF18NA

<60Hz>

NOTCH	SPL(dB)	LINE
High	43	○—○
Medium	40	△—△
Low	32	□—□





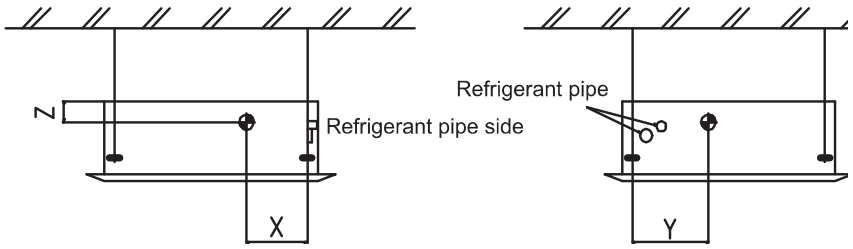
NOTE: The sound level is measured in an anechoic room where echoes are few, when compressor stops. The sound may be bigger than the indicated level in actual use due to surrounding echoes. The sound level can be higher by about 2 dB than the indicated level during cooling and heating operation.

A.4.8 OUTLET AIR SPEED AND COVERAGE RANGE

Model	Function	Air flow [Hi-Mid-Lo] (CFM)	Air speed (ft/s)	Coverage (ft)
SLZ-KF09NA	Dry	300-265-230	19.7	15.1
	Wet	270-239-207	17.7	13.7
SLZ-KF12NA	Dry	335-280-230	22.0	16.9
	Wet	302-252-207	19.8	15.2
SLZ-KF15NA	Dry	405-315-245	26.7	20.3
	Wet	365-284-221	24.0	18.3
SLZ-KF18NA	Dry	475-420-300	31.3	23.7
	Wet	429-378-270	28.2	21.4

- The air coverage is the figure up to the position where the air speed is 1 ft/s, when air is blown out horizontally from the unit properly at the High speed position.
  The coverage should be used only as a general guideline since it varies according to the size of the room and furniture arranged inside the room.

A.4.9 CENTER OF GRAVITY POSITION



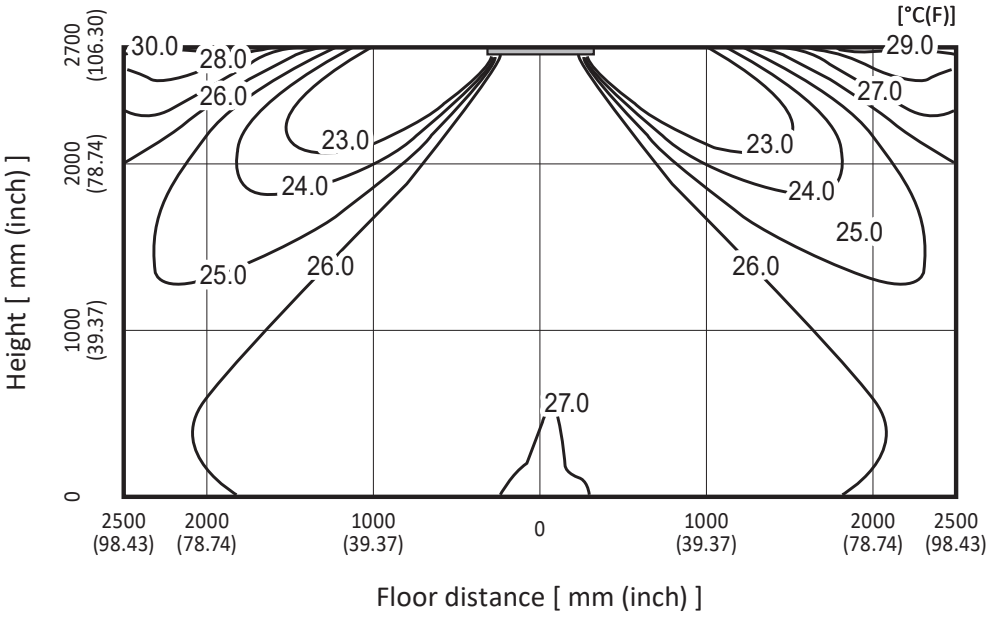
Unit: inch (mm)

Model name	X	Y	Z
SLZ-KF09NA	5-29/32(150)	10-1/4(260)	4-5/32(105)
SLZ-KF12NA	5-29/32(150)	10-1/4(260)	4-5/32(105)
SLZ-KF15NA	5-29/32(150)	10-1/4(260)	4-5/32(105)
SLZ-KF18NA	5-29/32(150)	10-1/4(260)	4-5/32(105)

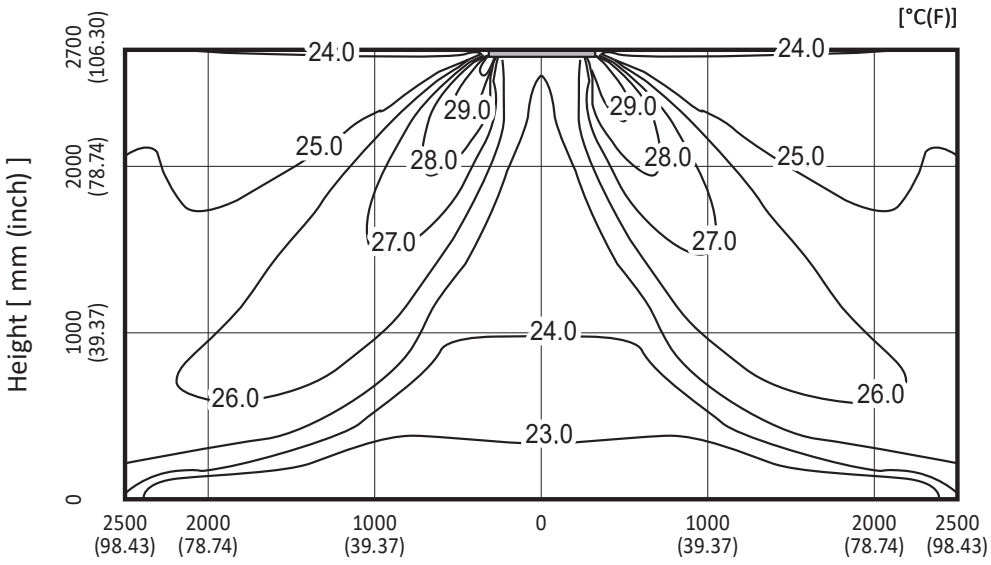
A.4.10 TEMPERATURE AND AIRFLOW DISTRIBUTIONS

TEMPERATURE DISTRIBUTION
SLZ-KF09NA

<Cooling mode>
Standard
Flow angle: 45° 4-way flow
Ceiling height : 2.7m



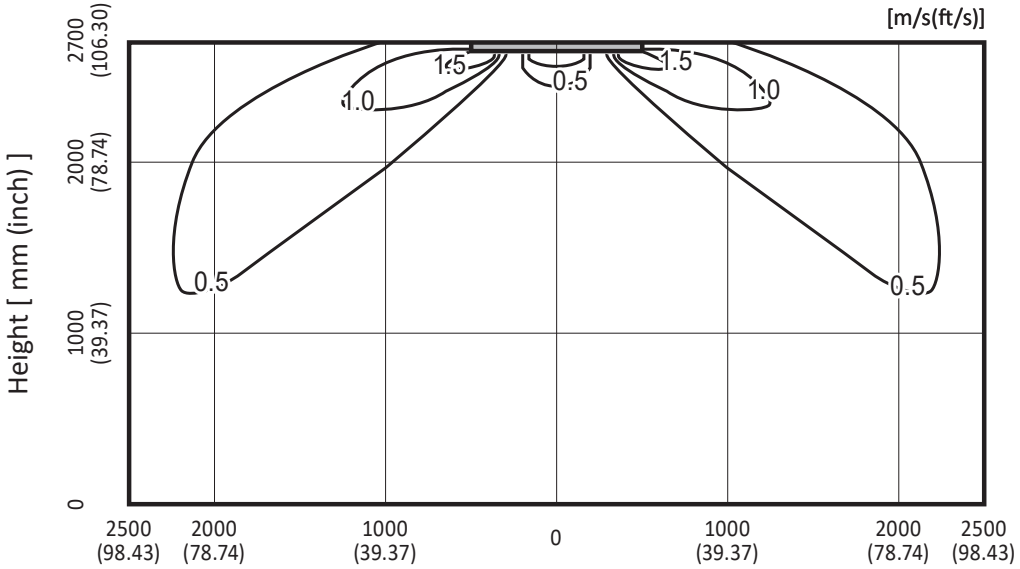
<Heating mode>
Standard
Flow angle: 60° 4-way flow
Ceiling height : 2.7m



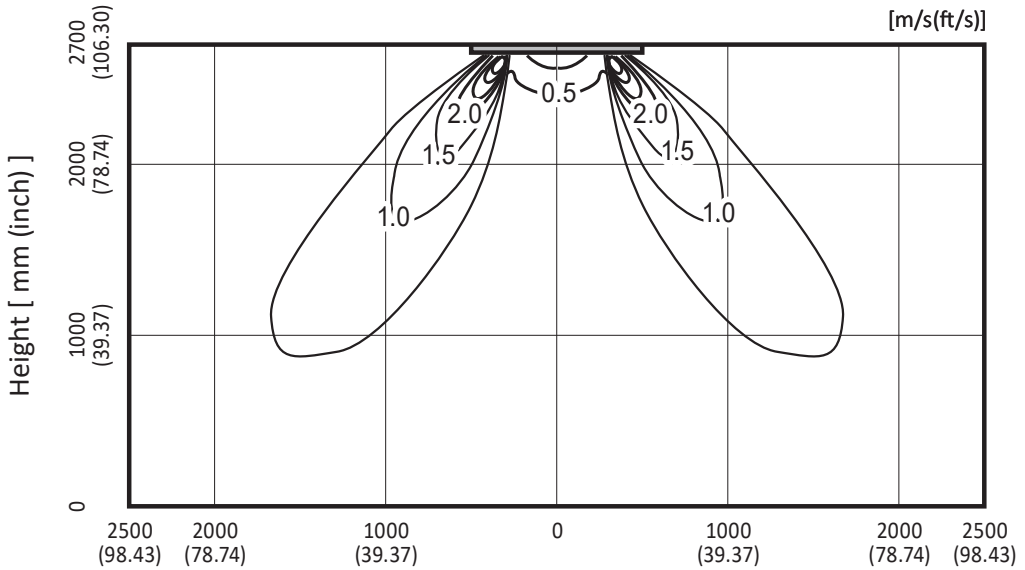
Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

AIR FLOW DISTRIBUTION
SLZ-KF09NA

<Cooling mode>
Standard
Flow angle: 45° 4-way flow
Ceiling height : 2.7m



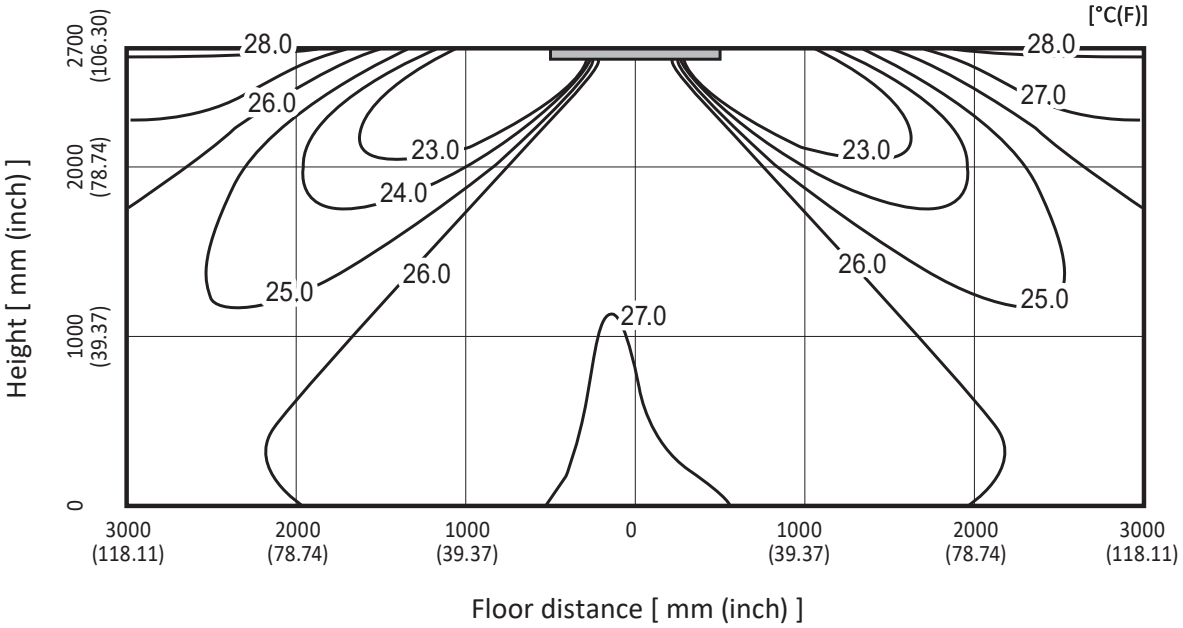
<Heating mode>
Standard
Flow angle: 60° 4-way flow
Ceiling height : 2.7m



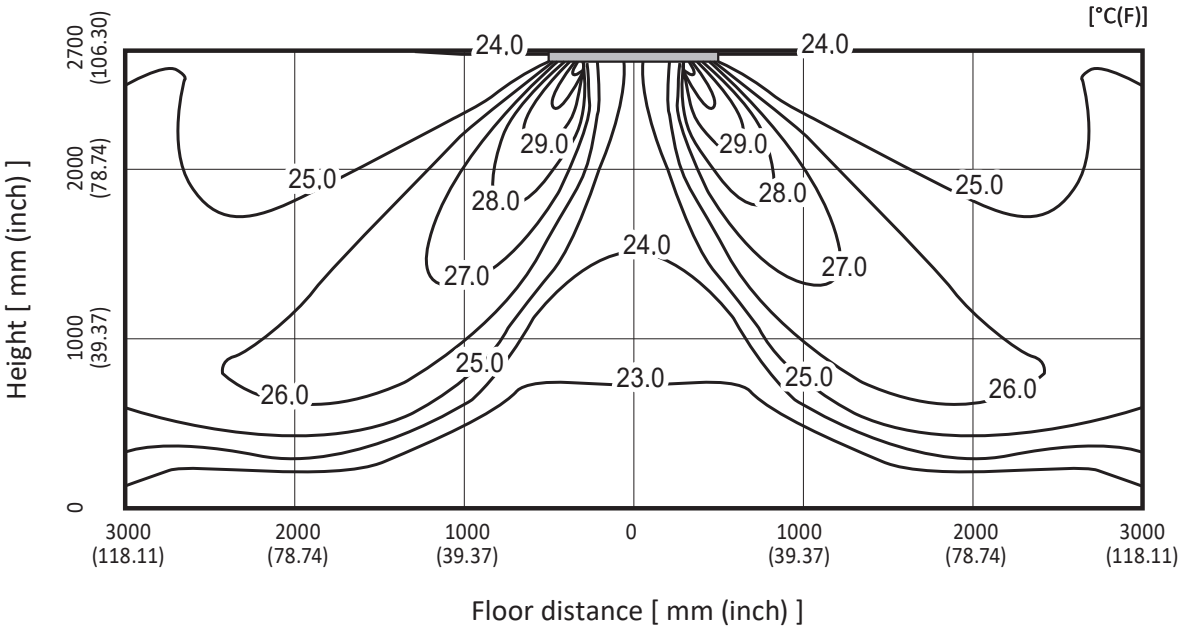
Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

TEMPERATURE DISTRIBUTION
SLZ-KF12NA

<Cooling mode>
Standard
Flow angle: 45° 4-way flow
Ceiling height : 2.7m



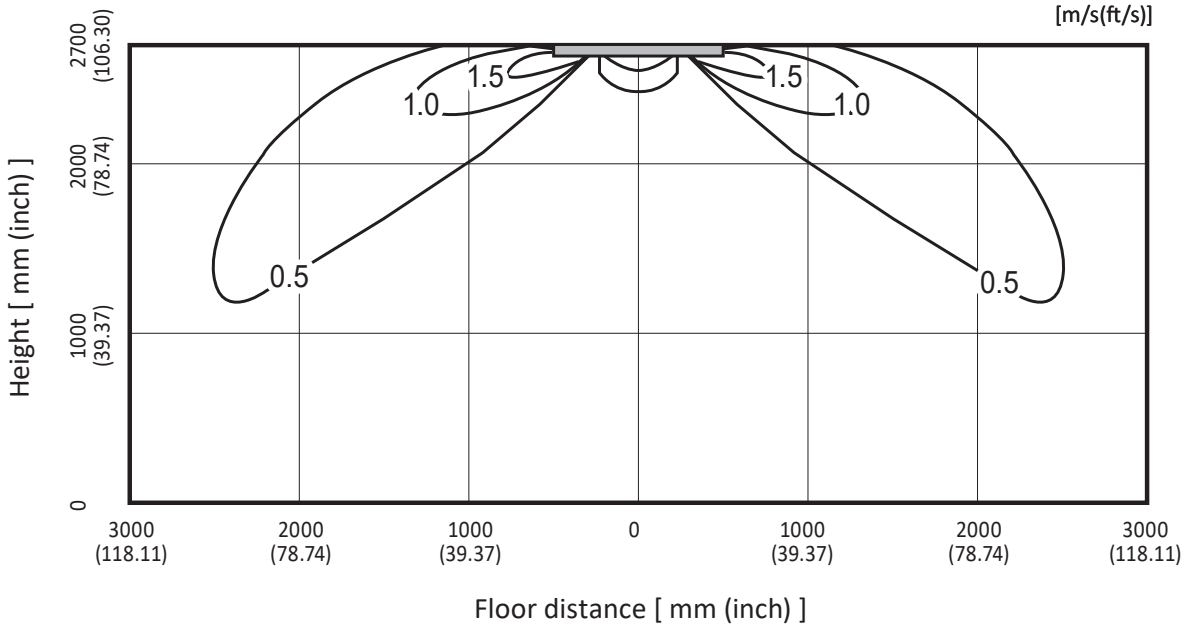
<Heating mode>
Standard
Flow angle: 60° 4-way flow
Ceiling height : 2.7m



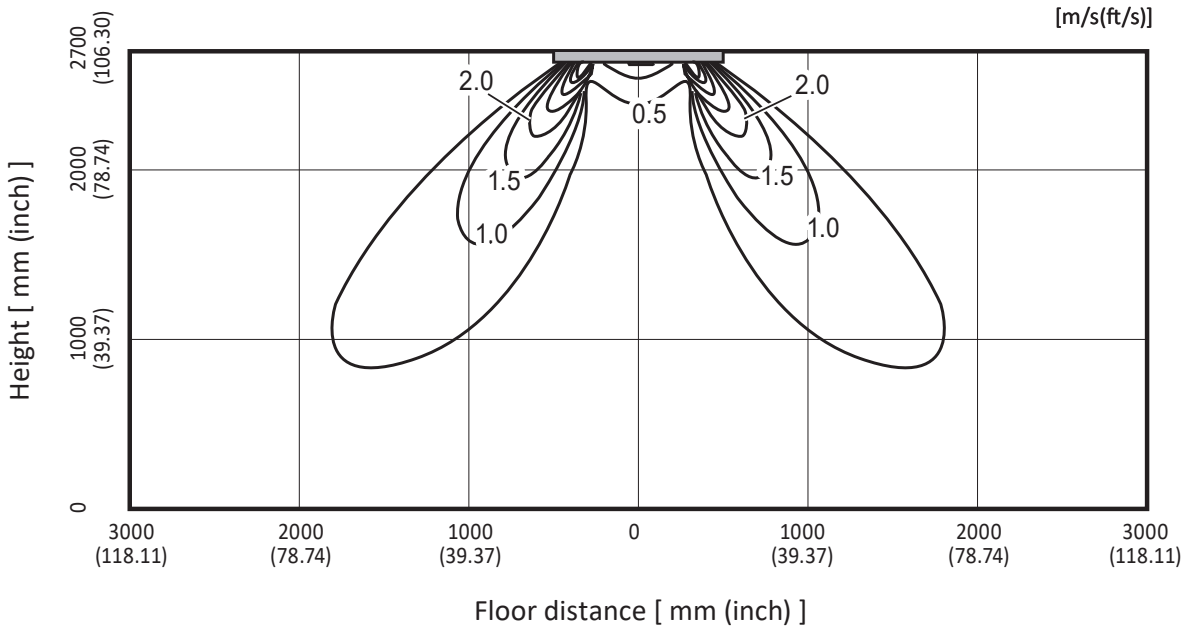
Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

AIR FLOW DISTRIBUTION
SLZ-KF12NA

<Cooling mode>
Standard
Flow angle: 45° 4-way flow
Ceiling height : 2.7m



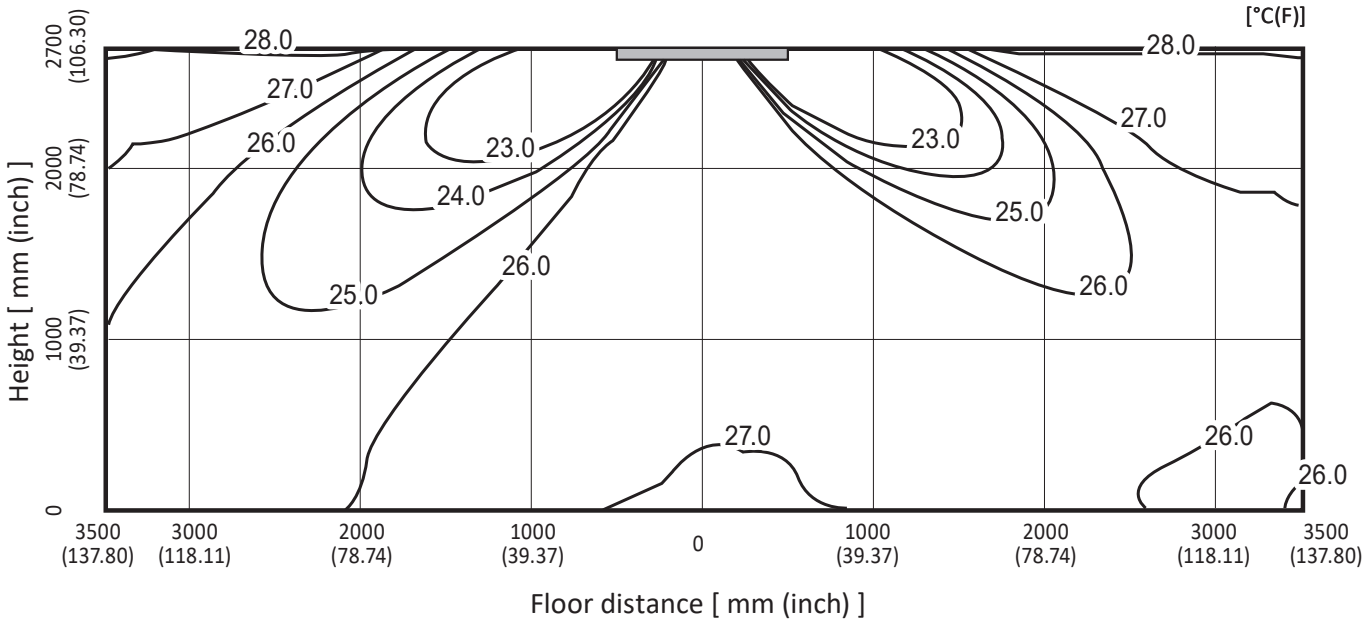
<Heating mode>
Standard
Flow angle: 60° 4-way flow
Ceiling height : 2.7m



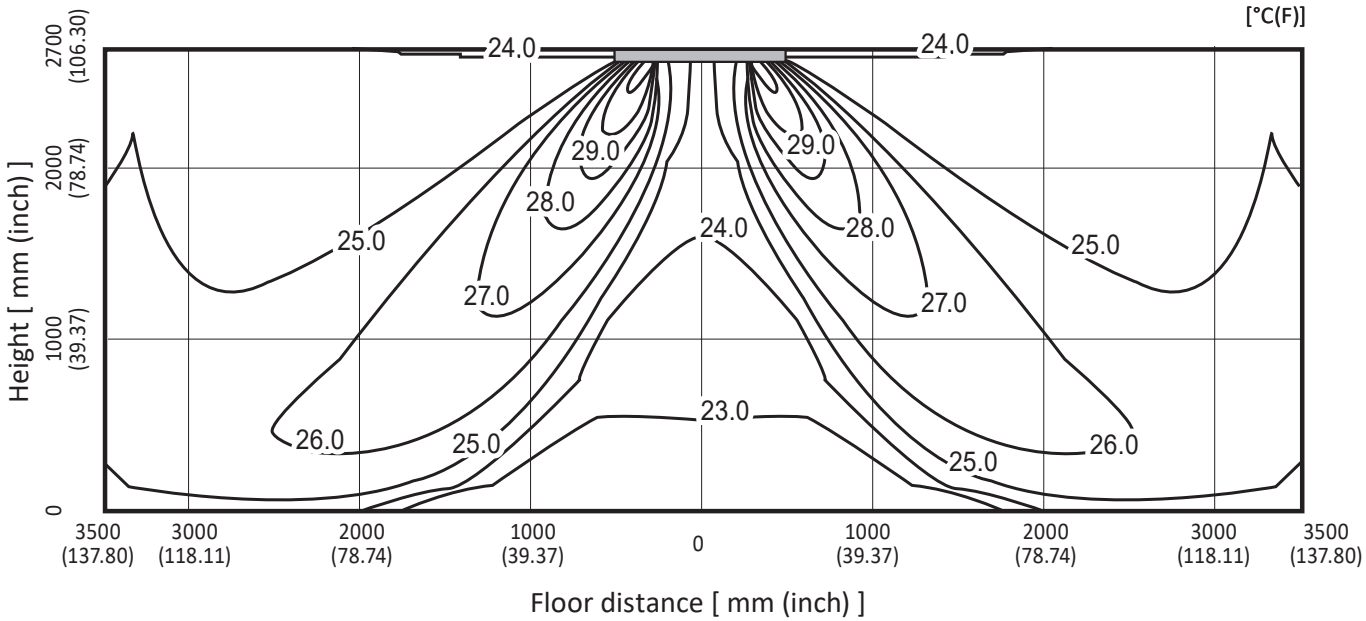
Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

TEMPERATURE DISTRIBUTION
SLZ-KF15NA

<Cooling mode>
Standard
Flow angle: 45° 4-way flow
Ceiling height : 2.7m



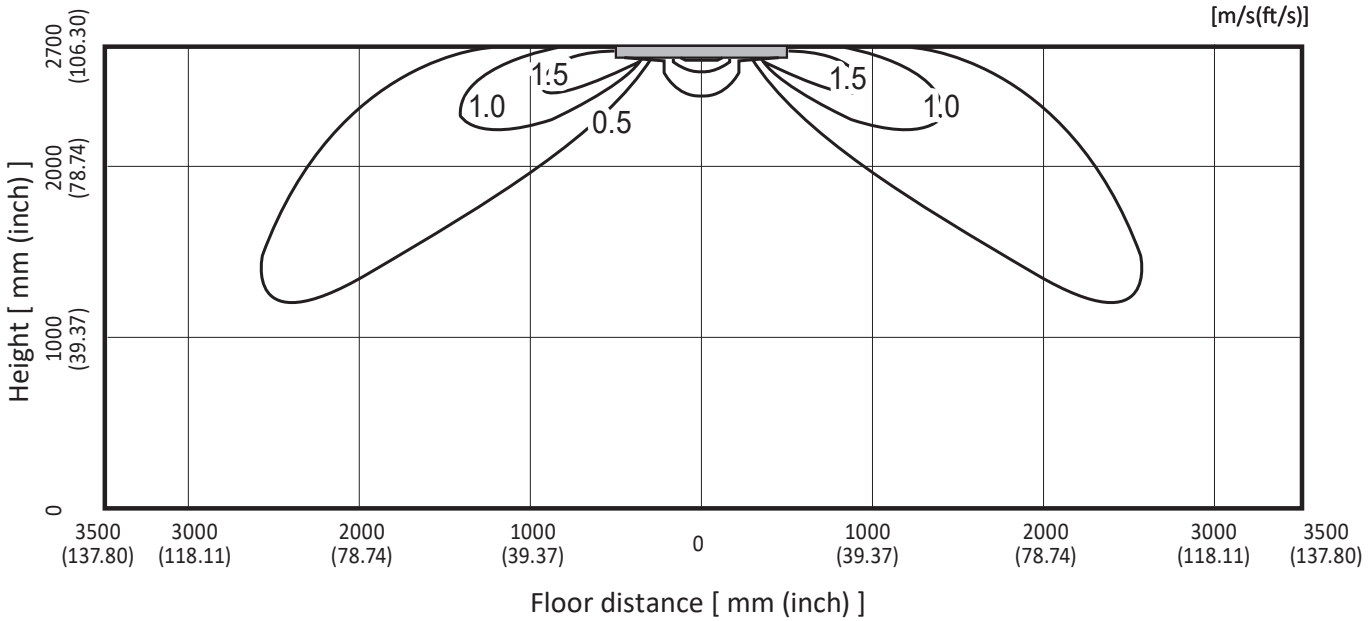
<Heating mode>
Standard
Flow angle: 60° 4-way flow
Ceiling height : 2.7m



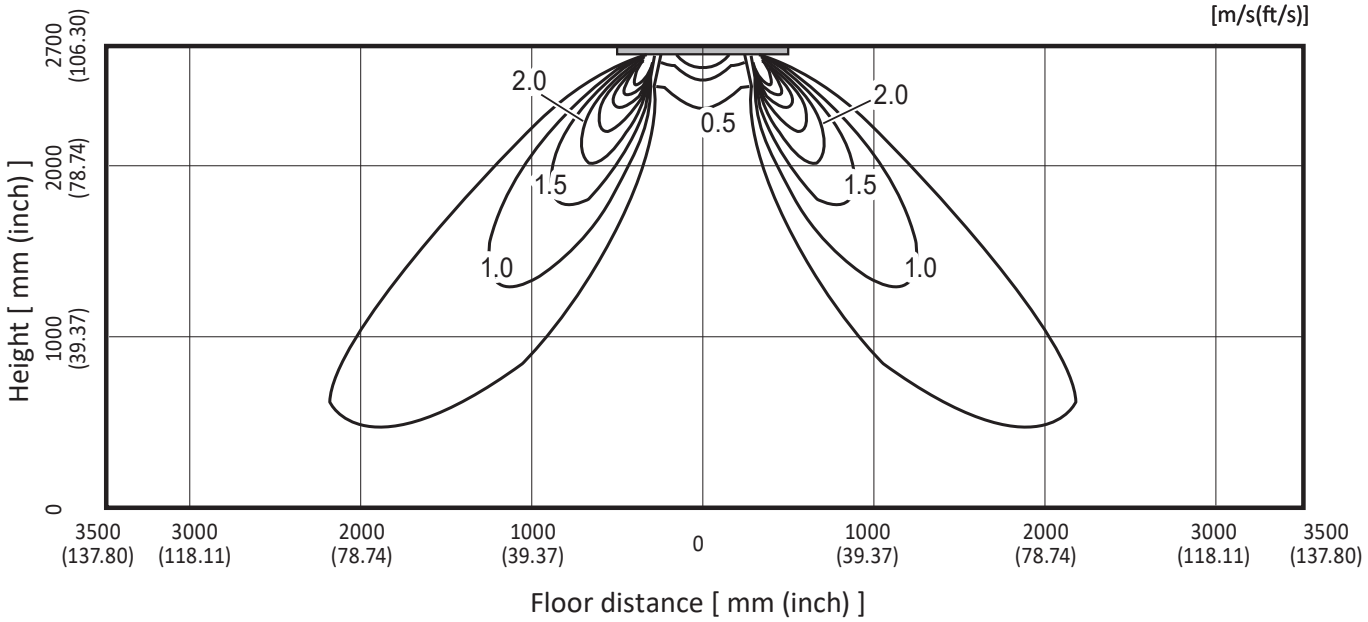
Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

AIR FLOW DISTRIBUTION
SLZ-KF15NA

<Cooling mode>
Standard
Flow angle: 45° 4-way flow
Ceiling height : 2.7m



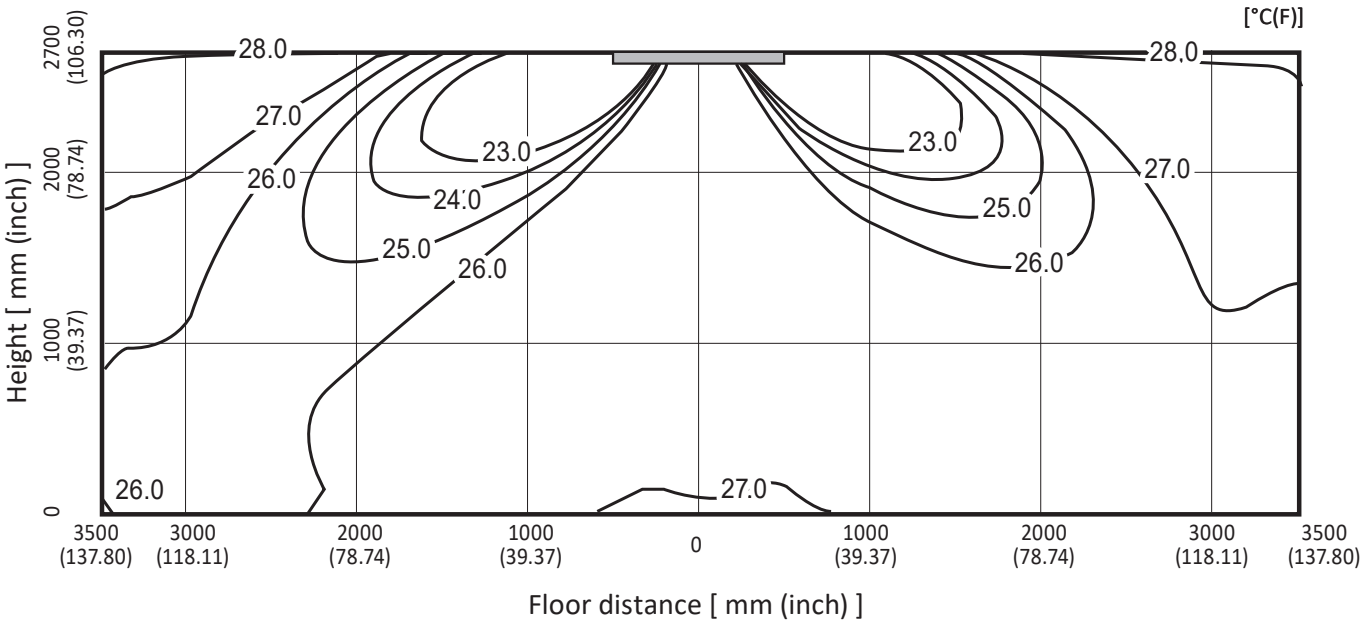
<Heating mode>
Standard
Flow angle: 60° 4-way flow
Ceiling height : 2.7m



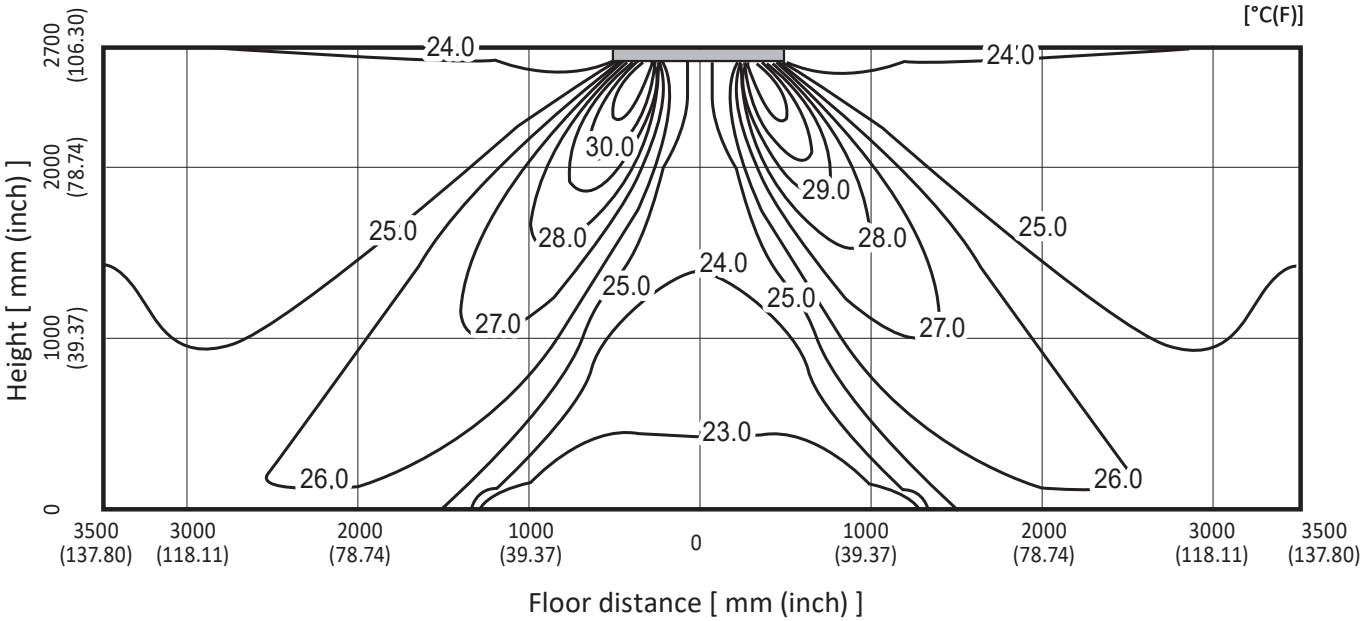
Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

TEMPERATURE DISTRIBUTION
SLZ-KF18NA

<Cooling mode>
Standard
Flow angle: 45° 4-way flow
Ceiling height : 2.7m

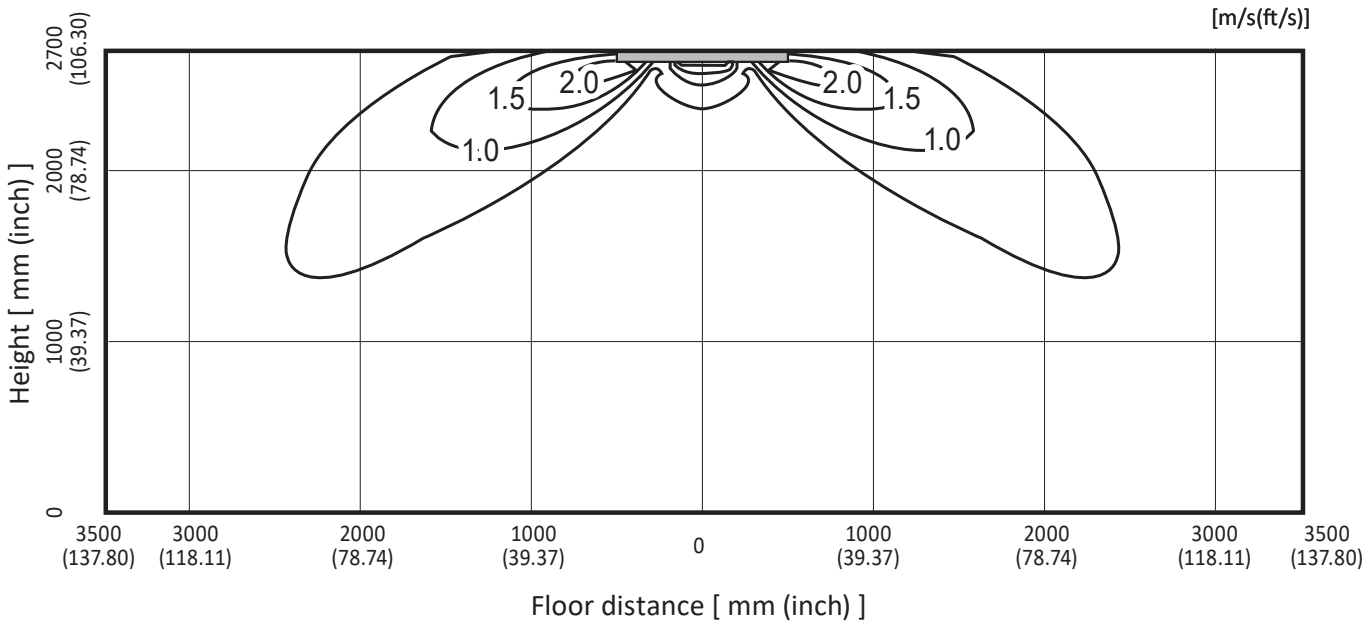


<Heating mode>
Standard
Flow angle: 60° 4-way flow
Ceiling height : 2.7m

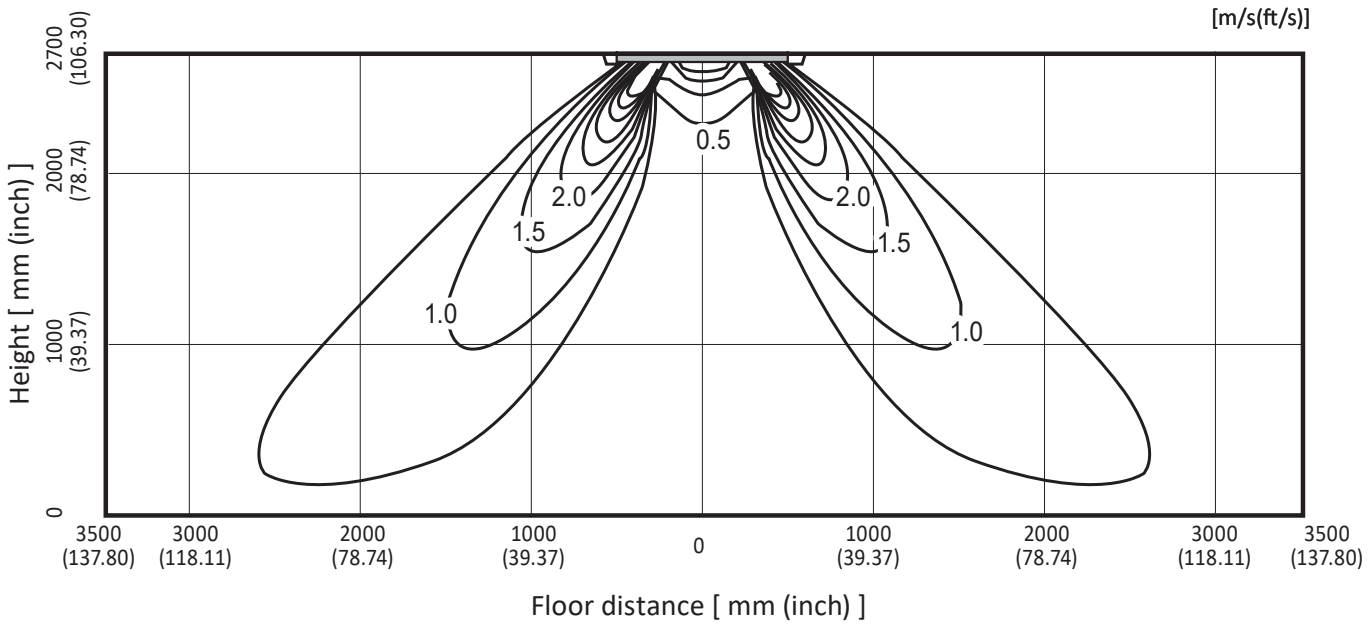


AIR FLOW DISTRIBUTION
SLZ-KF18NA

<Cooling mode>
Standard
Flow angle: 45° 4-way flow
Ceiling height : 2.7m



<Heating mode>
Standard
Flow angle: 60° 4-way flow
Ceiling height : 2.7m



A.4.11 PART LOAD CAPACITY CHART

SLZ-KF09NA

Rated
Q(Btu/h): 9,000
W: 670

1) COOLING

Indoor W.B. / Outdoor D.B. (°F)	(°C)		71°F / 21.7°C Max	Rated	75%	50%	25%	Min	67°F / 19.4°C Max	Rated	75%	50%	25%	Min	63°F / 17.2°C Max	Rated	75%	50%	25%	Min
115	46.1	Q(Btu/h)	8,216	8,216	6,162	4,108	-	3,286	7,693	7,693	5,770	3,846	-	3,077	7,021	7,021	5,266	3,510	-	2,808
		W	753	753	564	376	-	191	734	734	551	367	-	186	704	704	528	352	-	179
110	43.3	Q(Btu/h)	8,589	8,589	6,442	4,295	-	3,436	7,992	7,992	5,994	3,996	-	3,197	7,320	7,320	5,490	3,660	-	2,928
		W	740	740	555	370	-	188	722	722	542	361	-	183	688	688	516	344	-	175
105	40.6	Q(Btu/h)	8,963	8,963	6,722	4,481	-	3,585	8,290	8,290	6,218	4,145	-	3,316	7,693	7,693	5,770	3,846	-	3,077
		W	731	731	548	366	-	186	704	704	528	352	-	179	673	673	505	337	-	171
100	37.8	Q(Btu/h)	9,261	9,261	6,946	4,631	-	3,705	8,664	8,664	6,498	4,332	-	3,466	7,992	7,992	5,994	3,996	-	3,197
		W	710	710	532	355	-	180	688	688	516	344	-	175	658	658	493	329	-	167
95	35.0	Q(Btu/h)	9,635	9,635	7,226	4,817	-	3,854	9,000	9,000	6,750	4,500	-	3,600	8,365	8,365	6,274	4,183	-	3,346
		W	698	698	523	349	-	177	670	670	503	335	-	170	642	642	482	321	-	163
90	32.2	Q(Btu/h)	9,934	9,934	7,450	4,967	-	3,973	9,336	9,336	7,002	4,668	-	3,734	8,664	8,664	6,498	4,332	-	3,466
		W	673	673	505	337	-	171	642	642	482	321	-	163	618	618	463	309	-	157
85	29.4	Q(Btu/h)	10,307	10,307	7,730	5,154	-	4,123	9,710	9,710	7,282	4,855	-	3,884	9,037	9,037	6,778	4,519	-	3,615
		W	649	649	486	324	-	165	618	618	463	309	-	157	597	597	447	298	-	151
80	26.7	Q(Btu/h)	10,606	10,606	7,954	5,303	-	4,242	10,008	10,008	7,506	5,004	-	4,003	9,411	9,411	7,058	4,705	-	3,764
		W	624	624	468	312	-	158	590	590	443	295	-	150	572	572	429	286	-	145
75	23.9	Q(Btu/h)	10,979	10,979	8,234	5,490	-	4,392	10,307	10,307	7,730	5,154	-	4,123	9,747	9,747	7,310	4,873	-	3,899
		W	597	597	447	298	-	151	563	563	422	281	-	143	550	550	413	275	-	140
70	21.1	Q(Btu/h)	11,241	11,241	8,430	5,620	-	4,496	10,531	10,531	7,898	5,266	-	4,212	10,083	10,083	7,562	5,041	-	4,033
		W	566	566	424	283	-	144	538	538	404	269	-	137	517	517	388	259	-	131
67	19.4	Q(Btu/h)	11,353	11,353	8,515	5,676	-	4,541	10,755	10,755	8,066	5,378	-	4,302	10,307	10,307	7,730	5,154	-	4,123
		W	538	538	404	269	-	137	517	517	388	259	-	131	489	489	367	245	-	124

* It may not reach the above capacities in low ambient temperatures.

Rated
Q(Btu/h): 11,000
W: 810

2) HEATING

Indoor D.B. / Outdoor W.B. (°F)	(°C)		77°F / 25.0°C Max	Rated	75%	50%	25%	Min	68°F / 20.0°C Max	Rated	75%	50%	25%	Min	59°F / 15.0°C Max	Rated	75%	50%	25%	Min
65	18.3	Q(Btu/h)	15,102	13,844	10,383	6,922	-	5,047	15,741	14,429	10,822	7,215	-	5,260	16,277	14,520	10,890	7,260	-	5,293
		W	1,083	933	700	466	-	265	1,049	904	678	452	-	257	1,020	846	635	423	-	240
60	15.6	Q(Btu/h)	14,324	13,130	9,848	6,565	-	4,787	14,934	13,689	10,267	6,845	-	4,990	15,413	14,025	10,519	7,013	-	5,113
		W	1,070	922	692	461	-	262	1,034	891	668	446	-	253	1,007	838	629	419	-	238
55	12.8	Q(Btu/h)	13,522	12,396	9,297	6,198	-	4,519	14,112	12,936	9,702	6,468	-	4,716	14,551	13,530	10,148	6,765	-	4,932
		W	1,052	907	680	453	-	257	1,014	874	655	437	-	248	987	830	623	415	-	236
50	10.0	Q(Btu/h)	12,701	11,642	8,732	5,821	-	4,244	13,279	12,172	9,129	6,086	-	4,437	13,690	12,980	9,735	6,490	-	4,732
		W	1,029	887	665	443	-	252	989	852	639	426	-	242	960	822	617	411	-	233
45	7.2	Q(Btu/h)	11,861	10,873	8,154	5,436	-	3,964	12,436	11,400	8,550	5,700	-	4,156	12,831	12,430	9,323	6,215	-	4,531
		W	1,001	862	647	431	-	245	959	826	620	413	-	235	927	810	608	405	-	230
40	4.4	Q(Btu/h)	11,006	10,089	7,567	5,045	-	3,678	11,587	10,621	7,966	5,311	-	3,872	11,975	12,100	9,075	6,050	-	4,411
		W	967	833	625	417	-	237	924	796	597	398	-	226	887	802	601	401	-	228
35	1.7	Q(Btu/h)	10,139	9,294	6,971	4,647	-	3,388	10,732	9,838	7,378	4,919	-	3,586	11,121	11,440	8,580	5,720	-	4,170
		W	928	800	600	400	-	227	884	762	571	381	-	216	843	786	589	393	-	223
30	-1.1	Q(Btu/h)	9,263	8,491	6,368	4,245	-	3,095	9,876	9,053	6,790	4,526	-	3,300	10,270	10,505	7,879	5,253	-	3,830
		W	884	762	571	381	-	216	839	723	542	361	-	205	793	749	562	375	-	213
25	-3.9	Q(Btu/h)	8,379	7,681	5,761	3,841	-	2,800	9,019	8,268	6,201	4,134	-	3,014	9,422	10,065	7,549	5,033	-	3,669
		W	834	719	539	359	-	204	789	680	510	340	-	193	740	729	547	365	-	207
20	-6.7	Q(Btu/h)	7,492	6,867	5,151	3,434	-	2,503	8,166	7,485	5,614	3,743	-	2,729	8,578	9,350	7,013	4,675	-	3,409
		W	779	672	504	336	-	191	734	632	474	316	-	180	682	684	513	342	-	194
15	-9.4	Q(Btu/h)	6,603	6,052	4,539	3,026	-	2,206	7,317	6,707	5,030	3,353	-	2,445	7,737	8,580	6,435	4,290	-	3,128
		W	719	620	465	310	-	176	674	581	436	290	-	165	622	640	480	320	-	182
10	-12.2	Q(Btu/h)	5,715	5,239	3,929	2,619	-	1,910	6,475	5,935	4,452	2,968	-	2,164	6,900	7,810	5,858	3,905	-	2,847
		W	654	564	423	282	-	160	609	525	394	262	-	149	559	583	437	292	-	166
5	-15.0	Q(Btu/h)	4,831	4,429	3,321	2,214	-	1,614	5,643	5,173	3,880	2,586	-	1,886	6,067	6,875	5,156	3,438	-	2,506
		W	583	503	377	251	-	143	539	465	348	232	-	132	495	518	389	259	-	147
0	-17.8	Q(Btu/h)	3,954	3,625	2,718	1,812	-	1,321	4,823	4,421	3,316	2,211	-	1,612	5,239	5,500	4,125	2,750	-	2,005
		W	507	437	328	219	-	124	464	400	300	200	-	114	429	429	322	215	-	122
-4	-20.0	Q(Btu/h)	3,259	2,987	2,241	1,494	-	1,089	4,177	3,829	2,872	1,915	-	1,396	4,579	5,500	4,125	2,750	-	2,005
		W	443	382	286	191	-	108	401	345	259	173	-	98	375	429	322	215	-	122

* Above data is for heating operation without any frost.

SLZ-KF12NA

1) COOLING

Rated
Q(Btu/h): 12,000
W: 900

Indoor W.B. / Outdoor D.B. (°F)	(°C)		71°F / 21.7°C Max	Rated	75%	50%	25%	Min	67°F / 19.4°C Max	Rated	75%	50%	25%	Min	63°F / 17.2°C Max	Rated	75%	50%	25%	Min
115	46.1	Q(Btu/h)	10,954	10,954	8,216	5,477	-	3,560	10,257	10,257	7,693	5,129	-	3,334	9,361	9,361	7,021	4,680	-	3,042
		W	1,011	1,011	758	505	-	270	986	986	740	493	-	263	945	945	709	473	-	252
110	43.3	Q(Btu/h)	11,452	11,452	8,589	5,726	-	3,722	10,656	10,656	7,992	5,328	-	3,463	9,759	9,759	7,320	4,880	-	3,172
		W	995	995	746	497	-	265	970	970	727	485	-	259	925	925	693	462	-	247
105	40.6	Q(Btu/h)	11,950	11,950	8,963	5,975	-	3,884	11,054	11,054	8,290	5,527	-	3,593	10,257	10,257	7,693	5,129	-	3,334
		W	982	982	737	491	-	262	945	945	709	473	-	252	904	904	678	452	-	241
100	37.8	Q(Btu/h)	12,349	12,349	9,261	6,174	-	4,013	11,552	11,552	8,664	5,776	-	3,754	10,656	10,656	7,992	5,328	-	3,463
		W	953	953	715	477	-	254	925	925	693	462	-	247	884	884	663	442	-	236
95	35.0	Q(Btu/h)	12,846	12,846	9,635	6,423	-	4,175	12,000	12,000	9,000	6,000	-	3,900	11,154	11,154	8,365	5,577	-	3,625
		W	937	937	703	468	-	250	900	900	675	450	-	240	863	863	647	432	-	230
90	32.2	Q(Btu/h)	13,245	13,245	9,934	6,622	-	4,305	12,448	12,448	9,336	6,224	-	4,046	11,552	11,552	8,664	5,776	-	3,754
		W	904	904	678	452	-	241	863	863	647	432	-	230	830	830	623	415	-	221
85	29.4	Q(Btu/h)	13,743	13,743	10,307	6,871	-	4,466	12,946	12,946	9,710	6,473	-	4,207	12,050	12,050	9,037	6,025	-	3,916
		W	871	871	653	436	-	232	830	830	623	415	-	221	801	801	601	401	-	214
80	26.7	Q(Btu/h)	14,141	14,141	10,606	7,071	-	4,596	13,344	13,344	10,008	6,672	-	4,337	12,548	12,548	9,411	6,274	-	4,078
		W	838	838	629	419	-	224	793	793	595	397	-	212	768	768	576	384	-	205
75	23.9	Q(Btu/h)	14,639	14,639	10,979	7,320	-	4,758	13,743	13,743	10,307	6,871	-	4,466	12,996	12,996	9,747	6,498	-	4,224
		W	801	801	601	401	-	214	756	756	567	378	-	202	739	739	554	369	-	197
70	21.1	Q(Btu/h)	14,988	14,988	11,241	7,494	-	4,871	14,041	14,041	10,531	7,021	-	4,563	13,444	13,444	10,083	6,722	-	4,369
		W	760	760	570	380	-	203	723	723	542	362	-	193	695	695	521	347	-	185
67	19.4	Q(Btu/h)	15,137	15,137	11,353	7,568	-	4,920	14,340	14,340	10,755	7,170	-	4,661	13,743	13,743	10,307	6,871	-	4,466
		W	723	723	542	362	-	193	695	695	521	347	-	185	658	658	493	329	-	175

* It may not reach the above capacities in low ambient temperatures.

2) HEATING

Rated
Q(Btu/h): 13,000
W: 1,310

Indoor D.B. / Outdoor W.B. (°F)	(°C)		77°F / 25.0°C Max	Rated	75%	50%	25%	Min	68°F / 20.0°C Max	Rated	75%	50%	25%	Min	59°F / 15.0°C Max	Rated	75%	50%	25%	Min
65	18.3	Q(Btu/h)	16,361	16,361	12,270	8,180	-	6,041	17,053	17,053	12,790	8,526	-	6,296	17,633	17,160	12,870	8,580	-	6,336
		W	1,509	1,509	1,132	754	-	311	1,462	1,462	1,097	731	-	301	1,421	1,369	1,027	684	-	282
60	15.6	Q(Btu/h)	15,518	15,518	11,638	7,759	-	5,730	16,178	16,178	12,134	8,089	-	5,973	16,697	16,575	12,431	8,288	-	6,120
		W	1,491	1,491	1,118	746	-	307	1,441	1,441	1,081	721	-	297	1,404	1,356	1,017	678	-	279
55	12.8	Q(Btu/h)	14,649	14,649	10,987	7,325	-	5,409	15,288	15,288	11,466	7,644	-	5,645	15,763	15,990	11,993	7,995	-	5,904
		W	1,466	1,466	1,100	733	-	302	1,413	1,413	1,060	707	-	291	1,376	1,343	1,007	671	-	277
50	10.0	Q(Btu/h)	13,759	13,759	10,319	6,879	-	5,080	14,386	14,386	10,789	7,193	-	5,312	14,831	15,340	11,505	7,670	-	5,664
		W	1,434	1,434	1,076	717	-	296	1,378	1,378	1,034	689	-	284	1,338	1,330	997	665	-	274
45	7.2	Q(Btu/h)	12,849	12,849	9,637	6,425	-	4,744	13,473	13,473	10,105	6,736	-	4,975	13,901	14,690	11,018	7,345	-	5,424
		W	1,395	1,395	1,046	697	-	287	1,336	1,336	1,002	668	-	275	1,292	1,310	983	655	-	270
40	4.4	Q(Btu/h)	11,923	11,923	8,943	5,962	-	4,403	12,552	12,552	9,414	6,276	-	4,635	12,973	14,300	10,725	7,150	-	5,280
		W	1,348	1,348	1,011	674	-	278	1,288	1,288	966	644	-	265	1,237	1,297	973	648	-	267
35	1.7	Q(Btu/h)	10,984	10,984	8,238	5,492	-	4,056	11,627	11,627	8,720	5,813	-	4,293	12,048	13,520	10,140	6,760	-	4,992
		W	1,293	1,293	970	647	-	267	1,232	1,232	924	616	-	254	1,174	1,271	953	635	-	262
30	-1.1	Q(Btu/h)	10,035	10,035	7,526	5,017	-	3,705	10,699	10,699	8,024	5,349	-	3,950	11,126	12,415	9,311	6,208	-	4,584
		W	1,232	1,232	924	616	-	254	1,169	1,169	877	585	-	241	1,106	1,212	909	606	-	250
25	-3.9	Q(Btu/h)	9,078	9,078	6,808	4,539	-	3,352	9,771	9,771	7,328	4,886	-	3,608	10,208	11,895	8,921	5,948	-	4,392
		W	1,163	1,163	872	581	-	240	1,099	1,099	825	550	-	227	1,031	1,179	884	590	-	243
20	-6.7	Q(Btu/h)	8,116	8,116	6,087	4,058	-	2,997	8,846	8,846	6,635	4,423	-	3,266	9,293	11,050	8,288	5,525	-	4,080
		W	1,086	1,086	815	543	-	224	1,023	1,023	767	511	-	211	951	1,107	830	553	-	228
15	-9.4	Q(Btu/h)	7,153	7,153	5,365	3,576	-	2,641	7,926	7,926	5,945	3,963	-	2,927	8,382	10,140	7,605	5,070	-	3,744
		W	1,002	1,002	752	501	-	207	939	939	705	470	-	194	867	1,035	776	517	-	213
10	-12.2	Q(Btu/h)	6,191	6,191	4,643	3,096	-	2,286	7,015	7,015	5,261	3,507	-	2,590	7,475	9,230	6,923	4,615	-	3,408
		W	911	911	684	456	-	188	849	849	637	424	-	175	780	943	707	472	-	194
5	-15.0	Q(Btu/h)	5,234	5,234	3,925	2,617	-	1,932	6,113	6,113	4,585	3,057	-	2,257	6,573	8,125	6,094	4,063	-	3,000
		W	813	813	610	406	-	168	751	751	564	376	-	155	689	838	629	419	-	173
0	-17.8	Q(Btu/h)	4,284	4,284	3,213	2,142	-	1,582	5,225	5,225	3,919	2,612	-	1,929	5,675	6,500	4,875	3,250	-	2,400
		W	707	707	530	354	-	146	647	647	485	324	-	133	597	694	521	347	-	143
-4	-20.0	Q(Btu/h)	3,531	3,531	2,648	1,765	-	1,304	4,526	4,526	3,394	2,263	-	1,671	4,961	6,500	4,875	3,250	-	2,400
		W	617	617	463	309	-	127	559	559	419	279	-	115	523	694	521	347	-	143

* Above data is for heating operation without any frost.

SLZ-KF15NA

1) COOLING

Rated
Q(Btu/h): 14,100
W: 1,150

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
115	46.1	Q(Btu/h)	12,871	12,871	9,654	6,436	-	4,656	12,052	12,052	9,039	6,026	-	4,359	10,999	10,999	8,249	5,500	-	3,978
		W	1,292	1,292	969	646	-	303	1,260	1,260	945	630	-	296	1,208	1,208	906	604	-	284
110	43.3	Q(Btu/h)	13,456	13,456	10,092	6,728	-	4,867	12,520	12,520	9,390	6,260	-	4,529	11,467	11,467	8,600	5,734	-	4,148
		W	1,271	1,271	953	635	-	298	1,239	1,239	929	620	-	291	1,182	1,182	886	591	-	277
105	40.6	Q(Btu/h)	14,041	14,041	10,531	7,021	-	5,079	12,988	12,988	9,741	6,494	-	4,698	12,052	12,052	9,039	6,026	-	4,359
		W	1,255	1,255	941	628	-	295	1,208	1,208	906	604	-	284	1,155	1,155	866	578	-	271
100	37.8	Q(Btu/h)	14,510	14,510	10,882	7,255	-	5,248	13,573	13,573	10,180	6,787	-	4,910	12,520	12,520	9,390	6,260	-	4,529
		W	1,218	1,218	914	609	-	286	1,182	1,182	886	591	-	277	1,129	1,129	847	564	-	265
95	35.0	Q(Btu/h)	15,095	15,095	11,321	7,547	-	5,460	14,100	14,100	10,575	7,050	-	5,100	13,105	13,105	9,829	6,553	-	4,740
		W	1,197	1,197	898	599	-	281	1,150	1,150	863	575	-	270	1,103	1,103	827	551	-	259
90	32.2	Q(Btu/h)	15,563	15,563	11,672	7,781	-	5,629	14,627	14,627	10,970	7,313	-	5,290	13,573	13,573	10,180	6,787	-	4,910
		W	1,155	1,155	866	578	-	271	1,103	1,103	827	551	-	259	1,061	1,061	796	530	-	249
85	29.4	Q(Btu/h)	16,148	16,148	12,111	8,074	-	5,841	15,212	15,212	11,409	7,606	-	5,502	14,159	14,159	10,619	7,079	-	5,121
		W	1,113	1,113	835	557	-	261	1,061	1,061	796	530	-	249	1,024	1,024	768	512	-	240
80	26.7	Q(Btu/h)	16,616	16,616	12,462	8,308	-	6,010	15,680	15,680	11,760	7,840	-	5,671	14,744	14,744	11,058	7,372	-	5,333
		W	1,071	1,071	803	536	-	252	1,013	1,013	760	507	-	238	982	982	736	491	-	231
75	23.9	Q(Btu/h)	17,201	17,201	12,901	8,600	-	6,222	16,148	16,148	12,111	8,074	-	5,841	15,270	15,270	11,453	7,635	-	5,523
		W	1,024	1,024	768	512	-	240	966	966	725	483	-	227	944	944	708	472	-	222
70	21.1	Q(Btu/h)	17,610	17,610	13,208	8,805	-	6,370	16,499	16,499	12,374	8,249	-	5,968	15,797	15,797	11,848	7,898	-	5,714
		W	971	971	729	486	-	228	924	924	693	462	-	217	887	887	666	444	-	208
67	19.4	Q(Btu/h)	17,786	17,786	13,339	8,893	-	6,433	16,850	16,850	12,637	8,425	-	6,095	16,148	16,148	12,111	8,074	-	5,841
		W	924	924	693	462	-	217	887	887	666	444	-	208	840	840	630	420	-	197

* It may not reach the above capacities in low ambient temperatures.

Rated
Q(Btu/h): 18,000
W: 1,730

2) HEATING

Indoor D.B.			77°F / 25.0°C						68°F / 20.0°C						59°F / 15.0°C					
Outdoor W.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
65	18.3	Q(Btu/h)	24,038	22,653	16,990	11,327	-	6,418	25,055	23,612	17,709	11,806	-	6,690	25,907	23,760	17,820	11,880	-	6,732
		W	2,280	1,993	1,494	996	-	322	2,210	1,931	1,448	966	-	313	2,148	1,808	1,356	904	-	293
60	15.6	Q(Btu/h)	22,799	21,486	16,114	10,743	-	6,088	23,770	22,401	16,800	11,200	-	6,347	24,532	22,950	17,213	11,475	-	6,503
		W	2,254	1,969	1,477	985	-	319	2,178	1,903	1,427	952	-	308	2,122	1,791	1,343	895	-	290
55	12.8	Q(Btu/h)	21,523	20,284	15,213	10,142	-	5,747	22,462	21,168	15,876	10,584	-	5,998	23,160	22,140	16,605	11,070	-	6,273
		W	2,216	1,937	1,452	968	-	313	2,136	1,866	1,400	933	-	302	2,080	1,773	1,330	887	-	287
50	10.0	Q(Btu/h)	20,215	19,051	14,288	9,525	-	5,398	21,136	19,918	14,939	9,959	-	5,644	21,790	21,240	15,930	10,620	-	6,018
		W	2,168	1,894	1,420	947	-	307	2,083	1,820	1,365	910	-	295	2,023	1,756	1,317	878	-	284
45	7.2	Q(Btu/h)	18,879	17,791	13,344	8,896	-	5,041	19,794	18,654	13,991	9,327	-	5,285	20,423	20,340	15,255	10,170	-	5,763
		W	2,108	1,842	1,381	921	-	298	2,020	1,765	1,324	882	-	286	1,952	1,730	1,298	865	-	280
40	4.4	Q(Btu/h)	17,518	16,509	12,382	8,255	-	4,678	18,442	17,380	13,035	8,690	-	4,924	19,060	19,800	14,850	9,900	-	5,610
		W	2,037	1,780	1,335	890	-	288	1,946	1,700	1,275	850	-	275	1,869	1,713	1,285	856	-	277
35	1.7	Q(Btu/h)	16,138	15,209	11,407	7,604	-	4,309	17,082	16,099	12,074	8,049	-	4,561	17,701	18,720	14,040	9,360	-	5,304
		W	1,955	1,708	1,281	854	-	276	1,862	1,627	1,220	813	-	263	1,775	1,678	1,259	839	-	272
30	-1.1	Q(Btu/h)	14,743	13,894	10,421	6,947	-	3,937	15,719	14,814	11,110	7,407	-	4,197	16,347	17,190	12,893	8,595	-	4,871
		W	1,862	1,626	1,220	813	-	263	1,767	1,544	1,158	772	-	250	1,671	1,600	1,200	800	-	259
25	-3.9	Q(Btu/h)	13,337	12,569	9,427	6,284	-	3,561	14,356	13,529	10,147	6,765	-	3,833	14,997	16,470	12,353	8,235	-	4,667
		W	1,757	1,535	1,152	768	-	248	1,662	1,452	1,089	726	-	235	1,558	1,557	1,168	779	-	252
20	-6.7	Q(Btu/h)	11,924	11,238	8,428	5,619	-	3,184	12,997	12,248	9,186	6,124	-	3,470	13,653	15,300	11,475	7,650	-	4,335
		W	1,642	1,434	1,076	717	-	232	1,546	1,351	1,013	675	-	219	1,438	1,462	1,096	731	-	237
15	-9.4	Q(Btu/h)	10,509	9,904	7,428	4,952	-	2,806	11,646	10,975	8,231	5,487	-	3,110	12,315	14,040	10,530	7,020	-	3,978
		W	1,515	1,324	993	662	-	214	1,420	1,241	930	620	-	201	1,311	1,367	1,025	683	-	221
10	-12.2	Q(Btu/h)	9,096	8,572	6,429	4,286	-	2,429	10,306	9,712	7,284	4,856	-	2,752	10,982	12,780	9,585	6,390	-	3,621
		W	1,378	1,204	903	602	-	195	1,283	1,121	841	561	-	181	1,178	1,246	934	623	-	202
5	-15.0	Q(Btu/h)	7,690	7,247	5,435	3,623	-	2,053	8,982	8,464	6,348	4,232	-	2,398	9,657	11,250	8,438	5,625	-	3,188
		W	1,229	1,074	805	537	-	174	1,136	992	744	496	-	161	1,042	1,107	830	554	-	179
0	-17.8	Q(Btu/h)	6,294	5,931	4,448	2,966	-	1,680	7,677	7,235	5,426	3,617	-	2,050	8,338	9,000	6,750	4,500	-	2,550
		W	1,069	934	700	467	-	151	978	855	641	427	-	138	903	917	688	458	-	148
-4	-20.0	Q(Btu/h)	5,187	4,889	3,666	2,444	-	1,385	6,649	6,266	4,700	3,133	-	1,775	7,288	9,000	6,750	4,500	-	2,550
		W	933	815	611	408	-	132	844	738	553	369	-	119	790	917	688	458	-	148

* Above data is for heating operation without any frost.

SLZ-KF18NA

1) COOLING

Rated
Q(Btu/h): 17,700
W: 1,410

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
115	46.1	Q(Btu/h)	16,158	16,158	12,118	8,079	-	5,568	15,129	15,129	11,347	7,565	-	5,214	13,807	13,807	10,356	6,904	-	4,759
		W	1,584	1,584	1,188	792	-	371	1,545	1,545	1,159	773	-	362	1,481	1,481	1,111	740	-	347
110	43.3	Q(Btu/h)	16,892	16,892	12,669	8,446	-	5,822	15,717	15,717	11,788	7,859	-	5,417	14,395	14,395	10,796	7,198	-	4,961
		W	1,558	1,558	1,169	779	-	365	1,519	1,519	1,140	760	-	356	1,449	1,449	1,086	724	-	339
105	40.6	Q(Btu/h)	17,627	17,627	13,220	8,813	-	6,075	16,305	16,305	12,228	8,152	-	5,619	15,129	15,129	11,347	7,565	-	5,214
		W	1,539	1,539	1,154	769	-	360	1,481	1,481	1,111	740	-	347	1,416	1,416	1,062	708	-	332
100	37.8	Q(Btu/h)	18,214	18,214	13,661	9,107	-	6,277	17,039	17,039	12,779	8,520	-	5,872	15,717	15,717	11,788	7,859	-	5,417
		W	1,494	1,494	1,120	747	-	350	1,449	1,449	1,086	724	-	339	1,384	1,384	1,038	692	-	324
95	35.0	Q(Btu/h)	18,949	18,949	14,211	9,474	-	6,530	17,700	17,700	13,275	8,850	-	6,100	16,451	16,451	12,339	8,226	-	5,670
		W	1,468	1,468	1,101	734	-	344	1,410	1,410	1,058	705	-	330	1,352	1,352	1,014	676	-	316
90	32.2	Q(Btu/h)	19,536	19,536	14,652	9,768	-	6,733	18,361	18,361	13,771	9,180	-	6,328	17,039	17,039	12,779	8,520	-	5,872
		W	1,416	1,416	1,062	708	-	332	1,352	1,352	1,014	676	-	316	1,301	1,301	975	650	-	304
85	29.4	Q(Btu/h)	20,271	20,271	15,203	10,135	-	6,986	19,095	19,095	14,322	9,548	-	6,581	17,773	17,773	13,330	8,887	-	6,125
		W	1,365	1,365	1,024	682	-	319	1,301	1,301	975	650	-	304	1,255	1,255	942	628	-	294
80	26.7	Q(Btu/h)	20,858	20,858	15,644	10,429	-	7,188	19,683	19,683	14,762	9,841	-	6,783	18,508	18,508	13,881	9,254	-	6,378
		W	1,313	1,313	985	657	-	307	1,243	1,243	932	621	-	291	1,204	1,204	903	602	-	282
75	23.9	Q(Btu/h)	21,593	21,593	16,194	10,796	-	7,441	20,271	20,271	15,203	10,135	-	6,986	19,169	19,169	14,377	9,584	-	6,606
		W	1,255	1,255	942	628	-	294	1,185	1,185	888	592	-	277	1,158	1,158	868	579	-	271
70	21.1	Q(Btu/h)	22,107	22,107	16,580	11,053	-	7,619	20,711	20,711	15,533	10,356	-	7,138	19,830	19,830	14,872	9,915	-	6,834
		W	1,191	1,191	893	596	-	279	1,133	1,133	850	567	-	265	1,088	1,088	816	544	-	255
67	19.4	Q(Btu/h)	22,327	22,327	16,745	11,163	-	7,695	21,152	21,152	15,864	10,576	-	7,290	20,271	20,271	15,203	10,135	-	6,986
		W	1,133	1,133	850	567	-	265	1,088	1,088	816	544	-	255	1,030	1,030	773	515	-	241

* It may not reach the above capacities in low ambient temperatures.

2) HEATING

Rated
Q(Btu/h): 19,700
W: 1,850

Indoor D.B.			77°F / 25.0°C						68°F / 20.0°C						59°F / 15.0°C					
Outdoor W.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
65	18.3	Q(Btu/h)	26,303	24,793	18,594	12,396	-	10,571	27,416	25,842	19,381	12,921	-	11,019	28,349	26,004	19,503	13,002	-	11,088
		W	2,419	2,131	1,598	1,065	-	553	2,344	2,065	1,549	1,033	-	536	2,279	1,933	1,450	967	-	502
60	15.6	Q(Btu/h)	24,947	23,515	17,636	11,758	-	10,027	26,010	24,516	18,387	12,258	-	10,454	26,844	25,118	18,838	12,559	-	10,710
		W	2,391	2,106	1,579	1,053	-	546	2,310	2,035	1,526	1,018	-	528	2,251	1,915	1,436	957	-	497
55	12.8	Q(Btu/h)	23,552	22,199	16,650	11,100	-	9,466	24,579	23,168	17,376	11,584	-	9,879	25,342	24,231	18,173	12,116	-	10,332
		W	2,351	2,071	1,553	1,035	-	537	2,265	1,996	1,497	998	-	518	2,206	1,896	1,422	948	-	492
50	10.0	Q(Btu/h)	22,120	20,850	15,638	10,425	-	8,890	23,128	21,800	16,350	10,900	-	9,295	23,843	23,246	17,435	11,623	-	9,912
		W	2,299	2,025	1,519	1,013	-	525	2,209	1,946	1,460	973	-	505	2,145	1,878	1,408	939	-	487
45	7.2	Q(Btu/h)	20,658	19,472	14,604	9,736	-	8,303	21,660	20,416	15,312	10,208	-	8,705	22,348	22,261	16,696	11,131	-	9,492
		W	2,236	1,969	1,477	985	-	511	2,142	1,887	1,415	944	-	490	2,070	1,850	1,388	925	-	480
40	4.4	Q(Btu/h)	19,169	18,069	13,552	9,034	-	7,704	20,180	19,021	14,266	9,511	-	8,111	20,856	21,670	16,253	10,835	-	9,240
		W	2,160	1,903	1,427	952	-	494	2,064	1,818	1,364	909	-	472	1,982	1,832	1,374	916	-	475
35	1.7	Q(Btu/h)	17,659	16,645	12,484	8,323	-	7,098	18,692	17,619	13,214	8,809	-	7,513	19,369	20,488	15,366	10,244	-	8,736
		W	2,073	1,826	1,370	913	-	474	1,975	1,740	1,305	870	-	451	1,883	1,795	1,346	897	-	466
30	-1.1	Q(Btu/h)	16,133	15,206	11,405	7,603	-	6,484	17,200	16,213	12,160	8,106	-	6,913	17,887	18,814	14,110	9,407	-	8,022
		W	1,974	1,739	1,304	870	-	451	1,874	1,651	1,238	826	-	428	1,772	1,711	1,283	856	-	444
25	-3.9	Q(Btu/h)	14,594	13,756	10,317	6,878	-	5,866	15,709	14,807	11,105	7,403	-	6,314	16,411	18,026	13,519	9,013	-	7,686
		W	1,864	1,642	1,231	821	-	426	1,763	1,553	1,165	776	-	403	1,653	1,665	1,249	833	-	432
20	-6.7	Q(Btu/h)	13,048	12,299	9,224	6,149	-	5,244	14,222	13,405	10,054	6,703	-	5,716	14,940	16,745	12,559	8,373	-	7,140
		W	1,741	1,534	1,150	767	-	398	1,640	1,445	1,083	722	-	375	1,525	1,563	1,172	782	-	406
15	-9.4	Q(Btu/h)	11,500	10,839	8,130	5,420	-	4,622	12,743	12,011	9,009	6,006	-	5,122	13,475	15,366	11,525	7,683	-	6,552
		W	1,607	1,416	1,062	708	-	367	1,506	1,327	995	663	-	344	1,390	1,462	1,096	731	-	379
10	-12.2	Q(Btu/h)	9,953	9,382	7,036	4,691	-	4,000	11,277	10,630	7,972	5,315	-	4,532	12,017	13,987	10,490	6,994	-	5,964
		W	1,461	1,287	965	644	-	334	1,361	1,199	899	599	-	311	1,250	1,332	999	666	-	346
5	-15.0	Q(Btu/h)	8,414	7,931	5,948	3,966	-	3,382	9,828	9,264	6,948	4,632	-	3,950	10,567	12,313	9,234	6,156	-	5,250
		W	1,303	1,148	861	574	-	298	1,205	1,061	796	531	-	275	1,105	1,184	888	592	-	307
0	-17.8	Q(Btu/h)	6,887	6,491	4,868	3,246	-	2,768	8,400	7,918	5,938	3,959	-	3,376	9,124	9,850	7,388	4,925	-	4,200
		W	1,134	999	749	499	-	259	1,037	914	685	457	-	237	958	981	735	490	-	254
-4	-20.0	Q(Btu/h)	5,676	5,350	4,013	2,675	-	2,281	7,276	6,858	5,143	3,429	-	2,924	7,975	9,850	7,388	4,925	-	4,200
		W	989	872	654	436	-	226	895	789	592	394	-	205	838	981	735	490	-	254

* Above data is for heating operation without any frost.

A.5 CEILING-CONCEALED (SEZ)

A.5.1 SPECIFICATIONS A-520
A.5.1.1 SUZ series A-520
A.5.1.2 H2i SUZ series A-521
A.5.2 OUTLINES AND DIMENSIONS A-522
A.5.3 WIRING DIAGRAM A-523
A.5.4 REFRIGERANT SYSTEM DIAGRAM A-524
A.5.5 PERFORMANCE DATA A-525
A.5.5.1 SUZ series A-525
A.5.5.2 H2i SUZ series A-534
A.5.6 NOISE CRITERIA CURVES A-543
A.5.7 FAN PERFORMANCE A-547
A.5.8 CENTER OF GRAVITY POSITION A-551
A.5.9 PART LOAD CAPACITY CHART A-552

A.5.1 SPECIFICATIONS

A.5.1.1 SUZ series

Model name	Indoor unit		SEZ-KD09NA4R1	SEZ-KD12NA4R1	SEZ-KD15NA4R1	SEZ-KD18NA4R1
	Outdoor unit		SUZ-KA09NA2	SUZ-KA12NA2	SUZ-KA15NA2	SUZ-KA18NA2
Cooling *1	Rated Capacity	Btu/h	9,000	12,000	15,000	12,000
	Capacity Range	Btu/h	3,900-9,000	4,000-12,000	5,200-15,000	4,300-12,000
	Total input	W	700	930	1,150	940
	Energy Efficiency	EER	12.8	12.9	13.0	12.7
		SEER	18.8	20.5	19.0	18.0
	Moisture Removal	Pints/h	1.5	1.9	1.9	1.2
	Sensible Heat Factor		0.82	0.82	0.86	0.89
Heating at 47°F *1	Rated Capacity	Btu/h	12,000	15,000	18,000	15,000
	Capacity Range	Btu/h	4,200-12,800	4,800-16,800	5,000-21,600	4,700-16,700
	Total input	W	1,100	1,330	1,440	1,210
	HSPF(Region IV)	Btu/h/W	11.0(10.4)	12.4(11.8)	11.4(11.0)	12.1(11.5)
Heating at 17°F *2	Rated Capacity	Btu/h	7,600	10,000	11,700	9,900
	Rated Total input	W	880(1,010)	1,180(1,310)	1,280(1,410)	1,120(1,250)
	Maximum Capacity	Btu/h	7,600	10,000	11,700	9,900
	Maximum Total Input	W	880(1,010)	1,180(1,310)	1,280(1,410)	1,120(1,250)
Power supply	Voltage, Phase, Cycle		208/230V, 1-phase, 60Hz			
Voltage	Indoor - Outdoor S1-S2		AC 208/230V			
	Indoor - Outdoor S2-S3		DC12-24V			
	Indoor - Remote controller		DC12V			
Indoor unit	MCA	A	1.0			3.0
	Fan Motor	F.L.A	0.51	0.57	0.74	2.4
	Fan Motor Output	W	96			121
	Air flow (Lo-Mid-Hi)	DRY(CFM)	194-247-317	247-317-388	353-441-529	278-381-448
		WET(CFM)	174-222-285	222-285-349	317-396-476	–
	External Static Pressure	in WG	0.02-0.06-0.14-0.20			0.3 - 0.5 - 0.8
	Sound Pressure Level (Lo-Mid-Hi)	dB (A)	23-26-30	23-28-33	30-34-37	29-36-39
	External Finish Color		Galvanized-steel Sheets			BLACK
	Dimensions	W: in	31-1/8	39		17
		D: in	27-9/16			21-5/8
		H: in	7-7/8			39-13/16
	Weight Unit	lbs	42	50	54	93
	Field Drainpipe O.D.	in	O.D. 1-1/4			O.D. 3/4
	Refrigerant pipe Gas	in	3/8		1/2	3/8
	Refrigerant pipe Liquid	in	1/4			
Outdoor unit	MCA	A	9		10	9
	MOCP	A	15	16	18	16
	Fan Motor	F.L.A.	0.50			
	Compressor	Model(Type)	DC INVERTER-driven	DC INVERTER-driven Twin Rotary		
		R.L.A.	6.2	6.6	7.4	6.6
		L.R.A.	7.7	8.2	9.3	8.2
	Air flow (Cooling/ Heating)	CFM	(1,229/1,172)		(1,243/1,229)	(1,229/1,172)
	Refrigerant Control		Linear Expansion Valve			
	Defrost Method		Reverse Cycle			
	SPL (Cooling)	dB (A)	48	49		
	SPL (Heating)	dB (A)	50	51		
	External Finish Color		Munsell No.3Y 7.8/1.1			
	Dimension	W: in	31-1/2			
		D: in	11-1/4			
		H: in	21-5/8			
	Weight	lbs	81			
Remote Controller	Type		Wired Remote Controller			
Refrigerant	Type		R410A			
	Charge	lbs, oz	2,5	2,9		
	Oil	Type(Fl.oz.)	FV50S(9.1)	FV50S(11.8)		
Refrigerant Pipe	Gas side O.D.	in	3/8		1/2	3/8
	Liquid side O.D.	in	1/4			
	Height Difference (Max)	ft	40			
	Length (Max.)	ft	65			
Connection Method	Indoor/Outdoor		Flared/Flared			
Operation Guarantee	Cooling	°F(°C)	14(-10) to 115(46)			
	Heating	°F(°C)	-4(-20) to 75(24)			

NOTES : *1.Rating conditions (cooling)-Indoor : D.B. 26.7°C(80°F), W.B. 19.4°C(67°F) Outdoor : D.B. 35°C(95°F), W.B. 23.9°C(75°F)
(heating)-Indoor : D.B. 21.1°C(70°F), W.B. 15.6°C(60°F) Outdoor : D.B. 8.3°C(47°F), W.B. 6.1°C(43°F)
*2.Rating conditions (heating)-Indoor : D.B. 21.1°C(70°F), W.B. 15.6°C(60°F) Outdoor : D.B. -8.3°C(17°F), W.B. -9.4°C(15°F

Operating range

		Indoor intake air temperature	Outdoor intake air temperature
Cooling	Maximum	D.B. 35°C(95°F), W.B. 21.7°C(71°F)	D.B. 46°C(115°F)
	Minimum	D.B. 19.4°C(67°F), W.B. 13.9°C(57°F)	D.B. -10°C(14°F)
Heating	Maximum	D.B. 26.7°C(80°F), W.B. 19.4°C(67°F)	D.B. 24°C(75°F), W.B. 18°C(65°F)
	Minimum	D.B. 21.1°C(70°F), W.B. 15.6°C(60°F)	D.B. -20°C(-4°F), W.B. -21°C(-5°F)

A.5.1.2 H2i SUZ series

Model name	Indoor unit		SEZ-KD09NA4R1	SEZ-KD12NA4R1	SEZ-KD15NA4R1	SEZ-KD18NA4R1
	Outdoor unit		SUZ-KA09NAHZ	SUZ-KA12NAHZ	SUZ-KA15NAHZ	SUZ-KA18NAHZ
Cooling *1	Rated Capacity	Btu/h	9,000	12,000	15,000	18,000
	Capacity Range	Btu/h	4,500-9,000	5,210-12,000	9,000-15,000	9,200-18,000
	Total input	W	690	920	1,200	1,370
	Energy Efficiency	EER	13.0	13.0	12.5	13.1
		SEER	17.3	19	17.3	19.1
	Moisture Removal	Pints/h	1.7	2.5	2.8	2.0
	Sensible Heat Factor		0.79	0.76	0.80	0.87
Heating at 47°F *1	Rated Capacity	Btu/h	12,500	15,000	18,000	21,600
	Capacity Range	Btu/h	8,100-13,300	7,700-18,000	8,600-22,400	8,800-28,000
	Total input	W	1,300	1,120	1,920	1,840
	HSPF(Region IV)	Btu/h/W	9.8	10.2	9.5	10.9
Heating at 17°F *2	Rated Capacity	Btu/h	8,700	9,000	12,200	14,200
	Rated Total input	W	1,120	1,030	1,660	1,650
	Maximum Capacity	Btu/h	12,500	15,000	18,000	21,600
	Maximum Total Input	W	1,670	1,720	2,450	2,510
Power supply	Voltage, Phase, Cycle		1-phase, 60Hz, 208/230V			
Voltage	Indoor - Outdoor S1-S2		AC 208/230V			
	Indoor - Outdoor S2-S3		DC12-24V			
	Indoor - Remote controller		DC12V			
Indoor unit	MCA	A	1.0			
	Fan Motor	F.L.A	0.51	0.57	0.74	0.74
	Fan Motor Output	W	96			
	Air flow (Lo-Mid-Hi)	DRY(CFM)	194-247-317	247-317-388	353-441-529	423-529-635
		WET(CFM)	174-222-285	222-285-349	317-396-476	381-476-572
	External Static Pressure	in WG	0.02-0.06-0.14-0.20			
	Sound Pressure Level (Lo-Mid-Hi)	dB (A)	23-26-30	23-28-33	30-34-37	30-34-38
	External Finish Color		Galvanized-steel Sheets			
	Dimensions	W: in	31-1/8	39		46-7/8
		D: in	27-9/16			
		H: in	7-7/8			
	Weight Unit	lbs	42	50	54	62
	Field Drainpipe O.D.	in	O.D. 1-1/4			
	Refrigerant pipe Gas	in	3/8		1/2	
	Refrigerant pipe Liquid	in	1/4			
Outdoor unit	MCA	A	14		17	
	MOCP	A	24		31	
	Fan Motor	F.L.A.	0.67		1.00	
	Compressor	Model(Type)	DC INVERTER-driven Twin Rotary			
		R.L.A.	10.0		13.0	
		L.R.A.	12.5		16.0	
	Air flow (Cooling/ Heating)	CFM	(1,691/1,691)		(2,020/1,930)	
	Refrigerant Control		Linear Expansion Valve			
	Defrost Method		Reverse Cycle			
	SPL (Cooling)	dB (A)	54		55	
	SPL (Heating)	dB (A)	55		55	
	External Finish Color		Munsell No.3Y 7.8/1.1			
	Dimension	W: in	33-1/16			
		D: in	13			
		H: in	34-5/8			
	Weight	lbs	129		131	
Remote Controller	Type		Wired Remote Controller			
Refrigerant	Type		R410A			
	Charge	lbs, oz	3,9		4,14	
	Oil	Type(Fl.oz.)	FV50S(22.0)		FV50S(23.7)	
Refrigerant Pipe	Gas side O.D.	in	3/8		1/2	
	Liquid side O.D.	in	1/4			
	Height Difference (Max)	ft	40			50
	Length (Max.)	ft	65			100
Connection Method	Indoor/Outdoor		Flared/Flared			
Operation Guarantee	Cooling	°F(°C)	14(-10) to 115(46)			
	Heating	°F(°C)	-13(-25) to 75(24)			

NOTES : *1.Rating conditions (cooling)-Indoor : D.B. 26.7°C(80°F), W.B. 19.4°C(67°F) Outdoor : D.B. 35°C(95°F), W.B. 23.9°C(75°F)
(heating)-Indoor : D.B. 21.1°C(70°F), W.B. 15.6°C(60°F) Outdoor : D.B. 8.3°C(47°F), W.B. 6.1°C(43°F)
*2.Rating conditions (heating)-Indoor : D.B. 21.1°C(70°F), W.B. 15.6°C(60°F) Outdoor : D.B. -8.3°C(17°F), W.B. -9.4°C(15°F

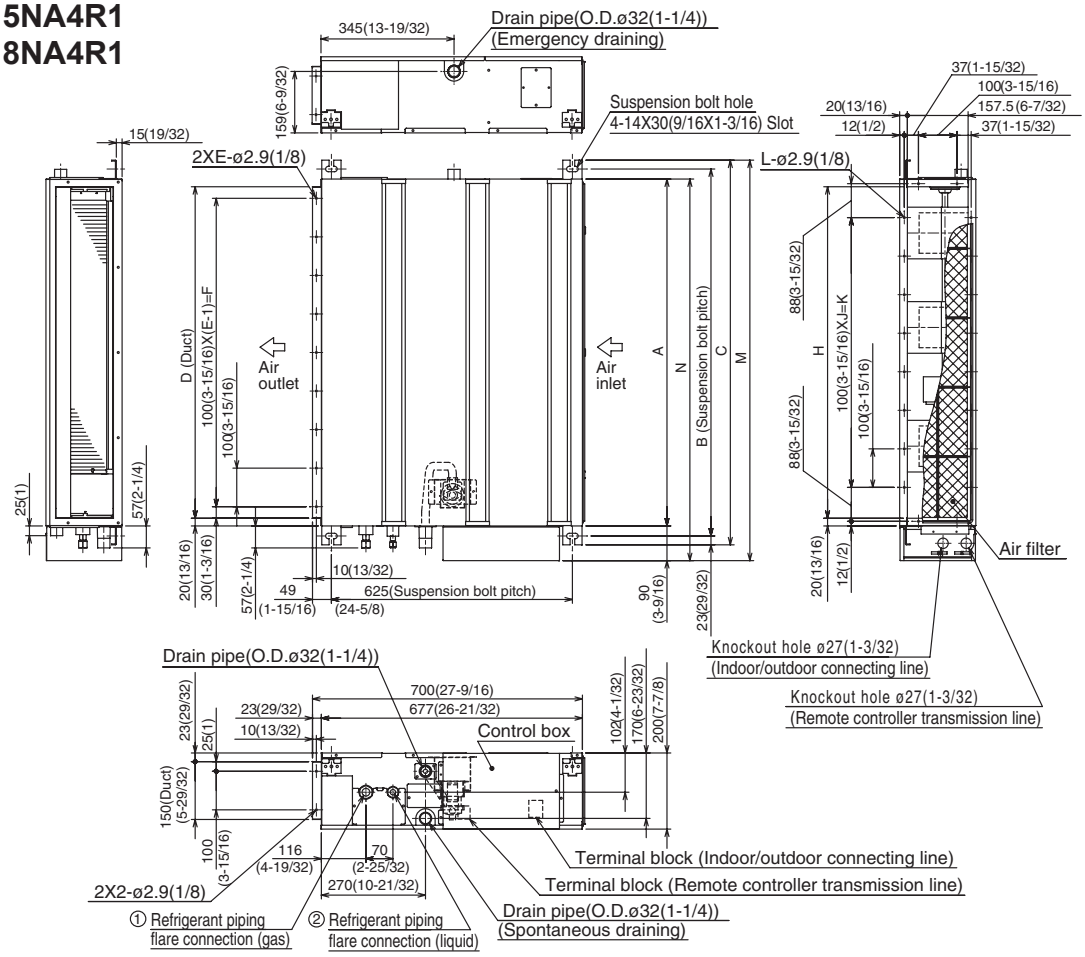
Operating range

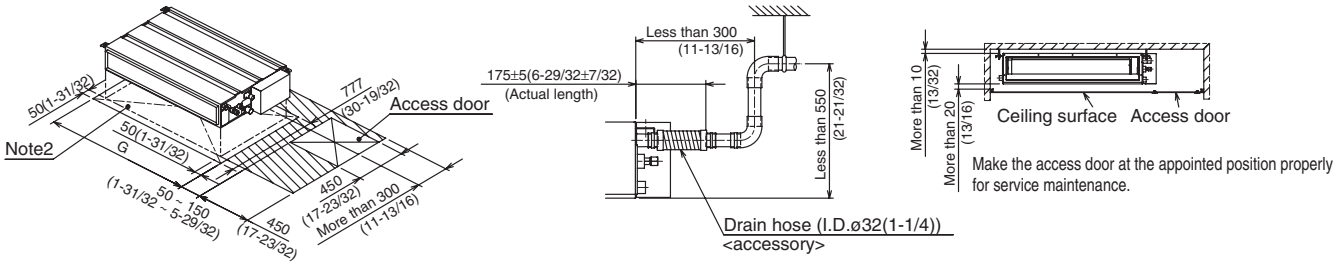
		Indoor intake air temperature	Outdoor intake air temperature
Cooling	Maximum	D.B. 35°C(95°F), W.B. 21.7°C(71°F)	D.B. 46°C(115°F)
	Minimum	D.B. 19.4°C(67°F), W.B. 13.9°C(57°F)	D.B. -10°C(14°F)
Heating	Maximum	D.B. 26.7°C(80°F), W.B. 19.4°C(67°F)	D.B. 24°C(75°F), W.B. 18°C(65°F)
	Minimum	D.B. 21.1°C(70°F), W.B. 15.6°C(60°F)	D.B. -20°C(-4°F), W.B. -21°C(-5°F)

A.5.2 OUTLINES AND DIMENSIONS
INDOOR UNIT

Unit : mm(in.)

SEZ-KD09NA4R1
SEZ-KD12NA4R1
SEZ-KD15NA4R1
SEZ-KD18NA4R1





Required space for service and maintenance

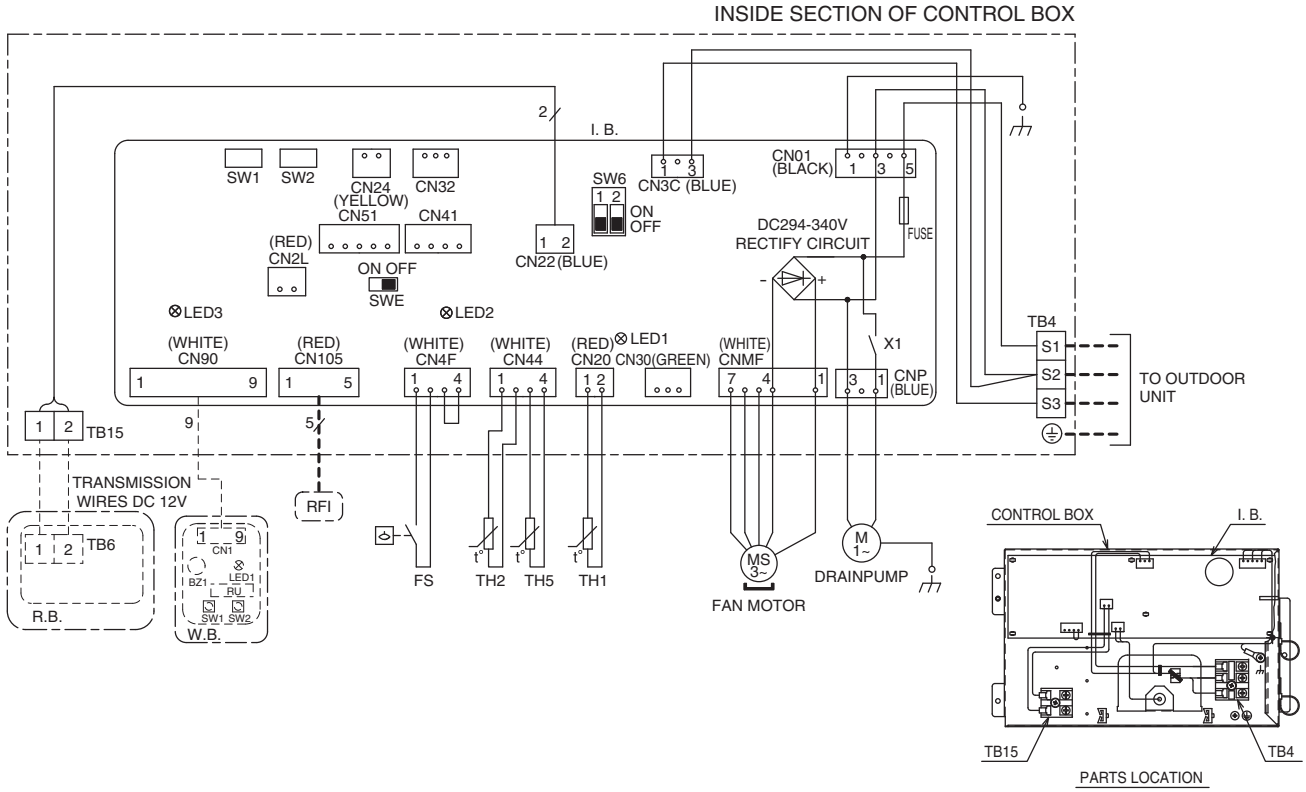
mm(in.)

Model	A	B	C	D	E	F	G	H	J	K	L	M	N	① Gas pipe	②Liquid pipe
SEZ-KD09NA4	700 (27-9/16)	752 (29-5/8)	798 (31-7/16)	660 (26)	7	600 (23-5/8)	800 (31-1/2)	660 (26)	5	500 (19-11/16)	16	839 (33-1/16)	790 (31-1/8)	ø9.52(3/8)	ø6.35(1/4)
SEZ-KD12NA4	900 (35-7/16)	952 (37-1/2)	998 (39-5/16)	860 (33-7/8)	9	800 (31-1/2)	1000 (39-3/8)	860 (33-7/8)	7	700 (27-9/16)	20	1039 (40-29/32)	990 (39)		
SEZ-KD15NA4														ø12.7(1/2)	
SEZ-KD18NA4	1100 (43-5/16)	1152 (45-3/8)	1198 (47-3/16)	1060 (41-3/4)	11	1000 (39-3/8)	1200 (47-1/4)	1060 (41-3/4)	9	900 (35-7/16)	24	1239 (48-25/32)	1190 (46-7/8)		

Note1.Use M10 screw for the suspension bolt (field supply).
2.Keep the service space for the maintenance at the bottom.
3.This chart indicates for SEZ-KD15NA4 model,which has 3 fans.
SEZ-KD09,12NA4 models have 2 fans.
SEZ-KD18NA4 models have 4 fans.
4.In case an inlet duct is used,remove the air filter (supply with the unit), then install the filter (field supply) at suction side.

A.5.3 WIRING DIAGRAM

SEZ-KD09NA4R1
SEZ-KD12NA4R1
SEZ-KD15NA4R1
SEZ-KD18NA4R1



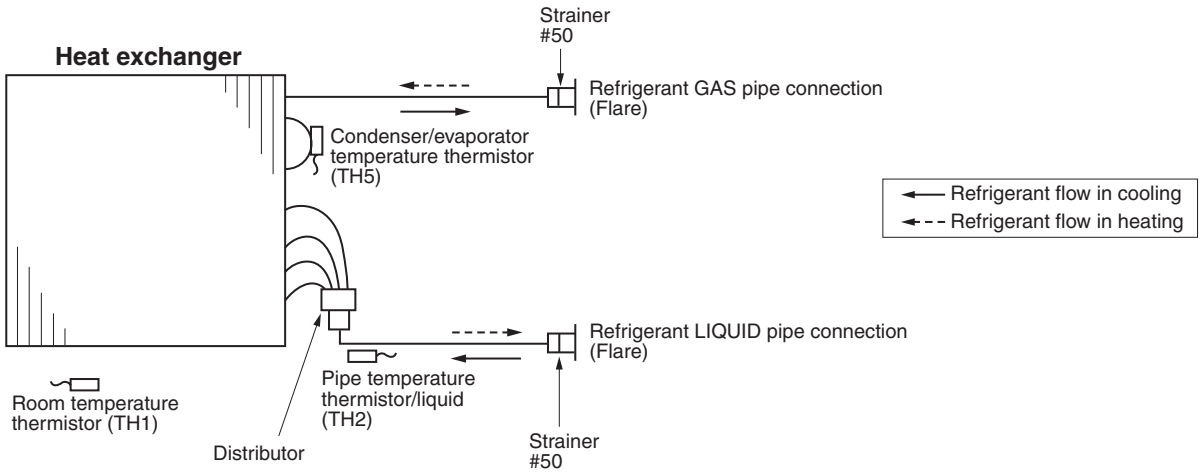
SYMBOL EXPLANATION

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
I.B.	INDOOR CONTROLLER BOARD	I.B.	INDOOR CONTROLLER BOARD	OPTIONAL PARTS	
FUSE	FUSE AC250V 6.3A	SW1	SWITCH (FOR MODE SELECTION)	W.B.	IR WIRELESS REMOTE CONTROLLER BOARD
X1	AUX. RELAY	SW2	SWITCH (FOR CAPACITY CODE)	RU	RECEIVING UNIT
CN2L	CONNECTOR (LOSSNAY)	SW6	SWITCH (FOR MODEL SELECTION)	BZ1	BUZZER
CN24	CONNECTOR (BACK-UP HEATING)	SWE	CONNECTOR (EMERGENCY OPERATION)	LED1	LED (RUN INDICATOR)
CN30	CONNECTOR (LLC)	TH1	INTAKE AIR TEMP. THERMISTOR	SW1	SWITCH (HEATING ON/OFF)
CN32	CONNECTOR (REMOTE SWITCH)	TH2	PIPE TEMP. THERMISTOR/LIQUID	SW2	SWITCH (COOLING ON/OFF)
CN41	CONNECTOR (HA TERMINAL-A)	TH5	COND./EVA. TEMP. THERMISTOR	R.B.	REMOTE CONTROLLER BOARD
CN51	CONNECTOR (CENTRALLY CONTROL)	FS	FLOAT SWITCH	TB6	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)
CN90	CONNECTOR (WIRELESS)	TB4	TERMINAL BLOCK (INDOOR/OUTDOOR CONNECTING LINE)		
CN105	CONNECTOR (RADIO FREQUENCY INTERFACE)				
LED1	POWER SUPPLY (I.B.)	TB15	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)		
LED2	POWER SUPPLY (I.B.)				
LED3	TRANSMISSION (INDOOR-OUTDOOR)	RFI	RADIO FREQUENCY INTERFACE FOR RF THERMOSTAT		

Note1. Since the outdoor side electric wiring may change be sure to check the outdoor unit electric wiring for servicing.
2. Indoor and outdoor connecting wires are made with polarities,make wiring matchingterminal numbers (S1,S2,S3).
3. Symbols used in wiring diagram above are as follows.
:CONNECTOR
:TERMINAL
(HEAVY DOTTED LINE):FIELD WIRING
(THIN DOTTED LINE):OPTIONAL PARTS
4. Use copper supply wire.

A.5.4 REFRIGERANT SYSTEM DIAGRAM

SEZ-KD09NA4R1
SEZ-KD12NA4R1
SEZ-KD15NA4R1
SEZ-KD18NA4R1



A.5.5 PERFORMANCE DATA

A.5.5.1 SUZ series

COOLING operation at Rated frequency

SEZ-KD09NA4R1 / SUZ-KA09NA2

CAPACITY : 9000(Btu/h) INPUT :0.7 (kW) SHF :0.82

		OUTDOOR DB(°F)															
INDOOR	INDOOR	68				77				86				95			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	9430	6752	0.72	0.46	8870	6351	0.72	0.53	8160	5843	0.72	0.58	7488	5361	0.72	0.62
68	64	10307	6143	0.60	0.51	9747	5809	0.60	0.57	9037	5386	0.60	0.62	8365	4986	0.60	0.67
68	61	9430	7129	0.76	0.46	8870	6705	0.76	0.53	8160	6169	0.76	0.58	7488	5661	0.76	0.62
68	64	10307	6555	0.64	0.51	9747	6199	0.64	0.57	9037	5748	0.64	0.62	8365	5320	0.64	0.67
68	68	10755	5550	0.52	0.54	10307	5318	0.52	0.59	9710	5010	0.52	0.65	9000	4644	0.52	0.70
72	61	9430	7883	0.84	0.46	8870	7415	0.84	0.53	8160	6822	0.84	0.58	7488	6260	0.84	0.62
72	64	10307	7380	0.72	0.51	9747	6979	0.72	0.57	9037	6471	0.72	0.62	8365	5989	0.72	0.67
72	68	10755	6410	0.60	0.54	10307	6143	0.60	0.59	9710	5787	0.60	0.65	9000	5364	0.60	0.70
75	61	9430	8638	0.92	0.46	8870	8124	0.92	0.53	8160	7475	0.92	0.58	7488	6859	0.92	0.62
75	64	10307	8204	0.80	0.51	9747	7759	0.80	0.57	9037	7194	0.80	0.62	8365	6659	0.80	0.67
75	68	10755	7271	0.68	0.54	10307	6968	0.68	0.59	9710	6564	0.68	0.65	9000	6084	0.68	0.70
75	72	11353	6312	0.56	0.56	10979	6104	0.56	0.62	10307	5731	0.56	0.68	9635	5357	0.56	0.73
79	61	9430	9392	1.00	0.46	8870	8834	1.00	0.53	8160	8127	1.00	0.58	7488	7458	1.00	0.62
79	64	10307	9029	0.88	0.51	9747	8538	0.88	0.57	9037	7917	0.88	0.62	8365	7328	0.88	0.67
79	68	10755	8131	0.76	0.54	10307	7792	0.76	0.59	9710	7340	0.76	0.65	9000	6804	0.76	0.70
79	72	11353	7220	0.64	0.56	10979	6983	0.64	0.62	10307	6555	0.64	0.68	9635	6128	0.64	0.73
81	61	9430	9430	1.00	0.46	8870	8870	1.00	0.53	8160	8160	1.00	0.58	7488	7488	1.00	0.62
81	64	10307	9441	0.92	0.51	9747	8928	0.92	0.57	9037	8278	0.92	0.62	8365	7662	0.92	0.67
81	68	10755	8561	0.80	0.54	10307	8204	0.80	0.59	9710	7729	0.80	0.65	9000	7164	0.80	0.70
81	72	11353	7674	0.68	0.56	10979	7422	0.68	0.62	10307	6968	0.68	0.68	9635	6513	0.68	0.73
82	61	9430	9430	1.00	0.46	8870	8870	1.00	0.53	8160	8160	1.00	0.58	7488	7488	1.00	0.62
82	64	10307	9854	0.96	0.51	9747	9318	0.96	0.57	9037	8640	0.96	0.62	8365	7997	0.96	0.67
82	68	10755	8991	0.84	0.54	10307	8617	0.84	0.59	9710	8117	0.84	0.65	9000	7524	0.84	0.70
82	72	11353	8129	0.72	0.56	10979	7861	0.72	0.62	10307	7380	0.72	0.68	9635	6899	0.72	0.73
86	61	9430	9430	1.00	0.46	8870	8870	1.00	0.53	8160	8160	1.00	0.58	7488	7488	1.00	0.62
86	64	10307	10307	1.00	0.51	9747	9747	1.00	0.57	9037	9037	1.00	0.62	8365	8365	1.00	0.67
86	68	10755	9852	0.92	0.54	10307	9441	0.92	0.59	9710	8894	0.92	0.65	9000	8244	0.92	0.70
86	72	11353	9037	0.80	0.56	10979	8739	0.80	0.62	10307	8204	0.80	0.68	9635	7669	0.80	0.73
90	61	9430	9430	1.00	0.46	8870	8870	1.00	0.53	8160	8160	1.00	0.58	7488	7488	1.00	0.62
90	64	10307	10307	1.00	0.51	9747	9747	1.00	0.57	9037	9037	1.00	0.62	8365	8365	1.00	0.67
90	68	10755	10712	1.00	0.54	10307	10266	1.00	0.59	9710	9671	1.00	0.65	9000	8964	1.00	0.70
90	72	11353	9945	0.88	0.56	10979	9618	0.88	0.62	10307	9029	0.88	0.68	9635	8440	0.88	0.73

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
SEZ-KD09NA4R1 / SUZ-KA09NA2
CAPACITY : 9000(Btu/h) INPUT :0.7 (kW) SHF :0.82

		OUTDOOR DB(°F)							
INDOOR	INDOOR	104				115			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	6816	4880	0.72	0.66	6143	4399	0.72	0.69
68	64	7693	4585	0.60	0.70	7021	4184	0.60	0.74
68	61	6816	5153	0.76	0.66	6143	4644	0.76	0.69
68	64	7693	4893	0.64	0.70	7021	4465	0.64	0.74
68	68	8290	4278	0.52	0.74	7693	3970	0.52	0.77
72	61	6816	5698	0.84	0.66	6143	5136	0.84	0.69
72	64	7693	5508	0.72	0.70	7021	5027	0.72	0.74
72	68	8290	4941	0.60	0.74	7693	4585	0.60	0.77
75	61	6816	6243	0.92	0.66	6143	5627	0.92	0.69
75	64	7693	6124	0.80	0.70	7021	5589	0.80	0.74
75	68	8290	5604	0.68	0.74	7693	5200	0.68	0.77
75	72	8963	4983	0.56	0.76	8216	4568	0.56	0.79
79	61	6816	6788	1.00	0.66	6143	6119	1.00	0.69
79	64	7693	6739	0.88	0.70	7021	6150	0.88	0.74
79	68	8290	6268	0.76	0.74	7693	5816	0.76	0.77
79	72	8963	5700	0.64	0.76	8216	5225	0.64	0.79
81	61	6816	6816	1.00	0.66	6143	6143	1.00	0.69
81	64	7693	7047	0.92	0.70	7021	6431	0.92	0.74
81	68	8290	6599	0.80	0.74	7693	6124	0.80	0.77
81	72	8963	6059	0.68	0.76	8216	5554	0.68	0.79
82	61	6816	6816	1.00	0.66	6143	6143	1.00	0.69
82	64	7693	7354	0.96	0.70	7021	6712	0.96	0.74
82	68	8290	6931	0.84	0.74	7693	6431	0.84	0.77
82	72	8963	6417	0.72	0.76	8216	5882	0.72	0.79
86	61	6816	6816	1.00	0.66	6143	6143	1.00	0.69
86	64	7693	7693	1.00	0.70	7021	7021	1.00	0.74
86	68	8290	7594	0.92	0.74	7693	7047	0.92	0.77
86	72	8963	7134	0.80	0.76	8216	6540	0.80	0.79
90	61	6816	6816	1.00	0.66	6143	6143	1.00	0.69
90	64	7693	7693	1.00	0.70	7021	7021	1.00	0.74
90	68	8290	8257	1.00	0.74	7693	7662	1.00	0.77
90	72	8963	7851	0.88	0.76	8216	7197	0.88	0.79

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
SEZ-KD12NA4R1 / SUZ-KA12NA2
CAPACITY :12000(Btu/h) INPUT :0.93(kW) SHF :0.82

		OUTDOOR DB(°F)															
INDOOR	INDOOR	68				77				86				95			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	12573	9002	0.72	0.62	11826	8467	0.72	0.70	10880	7790	0.72	0.76	9984	7148	0.72	0.83
68	64	13743	8191	0.60	0.68	12996	7746	0.60	0.76	12050	7182	0.60	0.83	11154	6648	0.60	0.89
68	61	12573	9505	0.76	0.62	11826	8940	0.76	0.70	10880	8225	0.76	0.76	9984	7548	0.76	0.83
68	64	13743	8740	0.64	0.68	12996	8265	0.64	0.76	12050	7664	0.64	0.83	11154	7094	0.64	0.89
68	68	14340	7400	0.52	0.72	13743	7091	0.52	0.78	12946	6680	0.52	0.86	12000	6192	0.52	0.93
72	61	12573	10511	0.84	0.62	11826	9887	0.84	0.70	10880	9096	0.84	0.76	9984	8346	0.84	0.83
72	64	13743	9840	0.72	0.68	12996	9305	0.72	0.76	12050	8628	0.72	0.83	11154	7986	0.72	0.89
72	68	14340	8547	0.60	0.72	13743	8191	0.60	0.78	12946	7716	0.60	0.86	12000	7152	0.60	0.93
75	61	12573	11517	0.92	0.62	11826	10833	0.92	0.70	10880	9966	0.92	0.76	9984	9145	0.92	0.83
75	64	13743	10939	0.80	0.68	12996	10345	0.80	0.76	12050	9592	0.80	0.83	11154	8878	0.80	0.89
75	68	14340	9694	0.68	0.72	13743	9290	0.68	0.78	12946	8752	0.68	0.86	12000	8112	0.68	0.93
75	72	15137	8416	0.56	0.75	14639	8139	0.56	0.83	13743	7641	0.56	0.90	12846	7143	0.56	0.97
79	61	12573	12523	1.00	0.62	11826	11779	1.00	0.70	10880	10836	1.00	0.76	9984	9944	1.00	0.83
79	64	13743	12039	0.88	0.68	12996	11384	0.88	0.76	12050	10556	0.88	0.83	11154	9770	0.88	0.89
79	68	14340	10841	0.76	0.72	13743	10390	0.76	0.78	12946	9787	0.76	0.86	12000	9072	0.76	0.93
79	72	15137	9627	0.64	0.75	14639	9310	0.64	0.83	13743	8740	0.64	0.90	12846	8170	0.64	0.97
81	61	12573	12573	1.00	0.62	11826	11826	1.00	0.70	10880	10880	1.00	0.76	9984	9984	1.00	0.83
81	64	13743	12588	0.92	0.68	12996	11904	0.92	0.76	12050	11038	0.92	0.83	11154	10217	0.92	0.89
81	68	14340	11415	0.80	0.72	13743	10939	0.80	0.78	12946	10305	0.80	0.86	12000	9552	0.80	0.93
81	72	15137	10233	0.68	0.75	14639	9896	0.68	0.83	13743	9290	0.68	0.90	12846	8684	0.68	0.97
82	61	12573	12573	1.00	0.62	11826	11826	1.00	0.70	10880	10880	1.00	0.76	9984	9984	1.00	0.83
82	64	13743	13138	0.96	0.68	12996	12424	0.96	0.76	12050	11520	0.96	0.83	11154	10663	0.96	0.89
82	68	14340	11988	0.84	0.72	13743	11489	0.84	0.78	12946	10823	0.84	0.86	12000	10032	0.84	0.93
82	72	15137	10838	0.72	0.75	14639	10482	0.72	0.83	13743	9840	0.72	0.90	12846	9198	0.72	0.97
86	61	12573	12573	1.00	0.62	11826	11826	1.00	0.70	10880	10880	1.00	0.76	9984	9984	1.00	0.83
86	64	13743	13743	1.00	0.68	12996	12996	1.00	0.76	12050	12050	1.00	0.83	11154	11154	1.00	0.89
86	68	14340	13136	0.92	0.72	13743	12588	0.92	0.78	12946	11859	0.92	0.86	12000	10992	0.92	0.93
86	72	15137	12049	0.80	0.75	14639	11653	0.80	0.83	13743	10939	0.80	0.90	12846	10226	0.80	0.97
90	61	12573	12573	1.00	0.62	11826	11826	1.00	0.70	10880	10880	1.00	0.76	9984	9984	1.00	0.83
90	64	13743	13743	1.00	0.68	12996	12996	1.00	0.76	12050	12050	1.00	0.83	11154	11154	1.00	0.89
90	68	14340	14283	1.00	0.72	13743	13688	1.00	0.78	12946	12894	1.00	0.86	12000	11952	1.00	0.93
90	72	15137	13260	0.88	0.75	14639	12824	0.88	0.83	13743	12039	0.88	0.90	12846	11254	0.88	0.97

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
SEZ-KD12NA4R1 / SUZ-KA12NA2
CAPACITY :12000(Btu/h) INPUT :0.93(kW) SHF :0.82

		OUTDOOR DB(°F)							
INDOOR	INDOOR	104				115			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	9087	6507	0.72	0.87	8191	5865	0.72	0.91
68	64	10257	6113	0.60	0.93	9361	5579	0.60	0.98
68	61	9087	6870	0.76	0.87	8191	6193	0.76	0.91
68	64	10257	6524	0.64	0.93	9361	5954	0.64	0.98
68	68	11054	5704	0.52	0.98	10257	5293	0.52	1.02
72	61	9087	7597	0.84	0.87	8191	6848	0.84	0.91
72	64	10257	7344	0.72	0.93	9361	6702	0.72	0.98
72	68	11054	6588	0.60	0.98	10257	6113	0.60	1.02
75	61	9087	8324	0.92	0.87	8191	7503	0.92	0.91
75	64	10257	8165	0.80	0.93	9361	7451	0.80	0.98
75	68	11054	7472	0.68	0.98	10257	6934	0.68	1.02
75	72	11950	6644	0.56	1.01	10954	6091	0.56	1.04
79	61	9087	9051	1.00	0.87	8191	8158	1.00	0.91
79	64	10257	8985	0.88	0.93	9361	8200	0.88	0.98
79	68	11054	8357	0.76	0.98	10257	7754	0.76	1.02
79	72	11950	7600	0.64	1.01	10954	6967	0.64	1.04
81	61	9087	9087	1.00	0.87	8191	8191	1.00	0.91
81	64	10257	9396	0.92	0.93	9361	8575	0.92	0.98
81	68	11054	8799	0.80	0.98	10257	8165	0.80	1.02
81	72	11950	8078	0.68	1.01	10954	7405	0.68	1.04
82	61	9087	9087	1.00	0.87	8191	8191	1.00	0.91
82	64	10257	9806	0.96	0.93	9361	8949	0.96	0.98
82	68	11054	9241	0.84	0.98	10257	8575	0.84	1.02
82	72	11950	8556	0.72	1.01	10954	7843	0.72	1.04
86	61	9087	9087	1.00	0.87	8191	8191	1.00	0.91
86	64	10257	10257	1.00	0.93	9361	9361	1.00	0.98
86	68	11054	10125	0.92	0.98	10257	9396	0.92	1.02
86	72	11950	9512	0.80	1.01	10954	8720	0.80	1.04
90	61	9087	9087	1.00	0.87	8191	8191	1.00	0.91
90	64	10257	10257	1.00	0.93	9361	9361	1.00	0.98
90	68	11054	11010	1.00	0.98	10257	10216	1.00	1.02
90	72	11950	10468	0.88	1.01	10954	9596	0.88	1.04

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
SEZ-KD15NA4R1 / SUZ-KA15NA2
CAPACITY :15000(Btu/h) INPUT :1.15(kW) SHF :0.86

		OUTDOOR DB(°F)															
INDOOR	INDOOR	68				77				86				95			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	15716	11881	0.76	0.76	14783	11176	0.76	0.87	13600	10282	0.76	0.95	12480	9435	0.76	1.02
68	64	17178	10925	0.64	0.84	16245	10332	0.64	0.94	15062	9580	0.64	1.02	13942	8867	0.64	1.10
68	61	15716	12510	0.80	0.76	14783	11767	0.80	0.87	13600	10826	0.80	0.95	12480	9934	0.80	1.02
68	64	17178	11613	0.68	0.84	16245	10981	0.68	0.94	15062	10182	0.68	1.02	13942	9425	0.68	1.10
68	68	17925	9966	0.56	0.89	17178	9551	0.56	0.97	16183	8998	0.56	1.06	15000	8340	0.56	1.15
72	61	15716	13767	0.88	0.76	14783	12950	0.88	0.87	13600	11914	0.88	0.95	12480	10932	0.88	1.02
72	64	17178	12987	0.76	0.84	16245	12281	0.76	0.94	15062	11387	0.76	1.02	13942	10540	0.76	1.10
72	68	17925	11400	0.64	0.89	17178	10925	0.64	0.97	16183	10292	0.64	1.06	15000	9540	0.64	1.15
75	61	15716	15025	0.96	0.76	14783	14132	0.96	0.87	13600	13002	0.96	0.95	12480	11931	0.96	1.02
75	64	17178	14361	0.84	0.84	16245	13581	0.84	0.94	15062	12592	0.84	1.02	13942	11655	0.84	1.10
75	68	17925	12835	0.72	0.89	17178	12300	0.72	0.97	16183	11587	0.72	1.06	15000	10740	0.72	1.15
75	72	18921	11277	0.60	0.92	18299	10906	0.60	1.02	17178	10238	0.60	1.11	16058	9571	0.60	1.20
79	61	15716	15716	1.00	0.76	14783	14783	1.00	0.87	13600	13600	1.00	0.95	12480	12480	1.00	1.02
79	64	17178	15735	0.92	0.84	16245	14880	0.92	0.94	15062	13797	0.92	1.02	13942	12771	0.92	1.10
79	68	17925	14269	0.80	0.89	17178	13674	0.80	0.97	16183	12881	0.80	1.06	15000	11940	0.80	1.15
79	72	18921	12791	0.68	0.92	18299	12370	0.68	1.02	17178	11613	0.68	1.11	16058	10855	0.68	1.20
81	61	15716	15716	1.00	0.76	14783	14783	1.00	0.87	13600	13600	1.00	0.95	12480	12480	1.00	1.02
81	64	17178	16423	0.96	0.84	16245	15530	0.96	0.94	15062	14400	0.96	1.02	13942	13328	0.96	1.10
81	68	17925	14986	0.84	0.89	17178	14361	0.84	0.97	16183	13529	0.84	1.06	15000	12540	0.84	1.15
81	72	18921	13548	0.72	0.92	18299	13102	0.72	1.02	17178	12300	0.72	1.11	16058	11498	0.72	1.20
82	61	15716	15716	1.00	0.76	14783	14783	1.00	0.87	13600	13600	1.00	0.95	12480	12480	1.00	1.02
82	64	17178	17110	1.00	0.84	16245	16180	1.00	0.94	15062	15002	1.00	1.02	13942	13886	1.00	1.10
82	68	17925	15703	0.88	0.89	17178	15048	0.88	0.97	16183	14176	0.88	1.06	15000	13140	0.88	1.15
82	72	18921	14304	0.76	0.92	18299	13834	0.76	1.02	17178	12987	0.76	1.11	16058	12140	0.76	1.20
86	61	15716	15716	1.00	0.76	14783	14783	1.00	0.87	13600	13600	1.00	0.95	12480	12480	1.00	1.02
86	64	17178	17178	1.00	0.84	16245	16245	1.00	0.94	15062	15062	1.00	1.02	13942	13942	1.00	1.10
86	68	17925	17137	0.96	0.89	17178	16423	0.96	0.97	16183	15471	0.96	1.06	15000	14340	0.96	1.15
86	72	18921	15818	0.84	0.92	18299	15298	0.84	1.02	17178	14361	0.84	1.11	16058	13425	0.84	1.20
90	61	15716	15716	1.00	0.76	14783	14783	1.00	0.87	13600	13600	1.00	0.95	12480	12480	1.00	1.02
90	64	17178	17178	1.00	0.84	16245	16245	1.00	0.94	15062	15062	1.00	1.02	13942	13942	1.00	1.10
90	68	17925	17925	1.00	0.89	17178	17178	1.00	0.97	16183	16183	1.00	1.06	15000	15000	1.00	1.15
90	72	18921	17332	0.92	0.92	18299	16762	0.92	1.02	17178	15735	0.92	1.11	16058	14709	0.92	1.20

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
SEZ-KD15NA4R1 / SUZ-KA15NA2
CAPACITY :15000(Btu/h) INPUT :1.15(kW) SHF :0.86

		OUTDOOR DB(°F)							
INDOOR	INDOOR	104				115			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	11359	8588	0.76	1.08	10239	7741	0.76	1.13
68	64	12822	8155	0.64	1.16	11701	7442	0.64	1.21
68	61	11359	9042	0.80	1.08	10239	8150	0.80	1.13
68	64	12822	8667	0.68	1.16	11701	7910	0.68	1.21
68	68	13817	7682	0.56	1.21	12822	7129	0.56	1.26
72	61	11359	9951	0.88	1.08	10239	8969	0.88	1.13
72	64	12822	9693	0.76	1.16	11701	8846	0.76	1.21
72	68	13817	8788	0.64	1.21	12822	8155	0.64	1.26
75	61	11359	10860	0.96	1.08	10239	9788	0.96	1.13
75	64	12822	10719	0.84	1.16	11701	9782	0.84	1.21
75	68	13817	9893	0.72	1.21	12822	9180	0.72	1.26
75	72	14938	8903	0.60	1.26	13693	8161	0.60	1.29
79	61	11359	11359	1.00	1.08	10239	10239	1.00	1.13
79	64	12822	11745	0.92	1.16	11701	10718	0.92	1.21
79	68	13817	10999	0.80	1.21	12822	10206	0.80	1.26
79	72	14938	10098	0.68	1.26	13693	9256	0.68	1.29
81	61	11359	11359	1.00	1.08	10239	10239	1.00	1.13
81	64	12822	12257	0.96	1.16	11701	11186	0.96	1.21
81	68	13817	11551	0.84	1.21	12822	10719	0.84	1.26
81	72	14938	10695	0.72	1.26	13693	9804	0.72	1.29
82	61	11359	11359	1.00	1.08	10239	10239	1.00	1.13
82	64	12822	12770	1.00	1.16	11701	11654	1.00	1.21
82	68	13817	12104	0.88	1.21	12822	11232	0.88	1.26
82	72	14938	11293	0.76	1.26	13693	10352	0.76	1.29
86	61	11359	11359	1.00	1.08	10239	10239	1.00	1.13
86	64	12822	12822	1.00	1.16	11701	11701	1.00	1.21
86	68	13817	13209	0.96	1.21	12822	12257	0.96	1.26
86	72	14938	12488	0.84	1.26	13693	11447	0.84	1.29
90	61	11359	11359	1.00	1.08	10239	10239	1.00	1.13
90	64	12822	12822	1.00	1.16	11701	11701	1.00	1.21
90	68	13817	13817	1.00	1.21	12822	12822	1.00	1.26
90	72	14938	13683	0.92	1.26	13693	12543	0.92	1.29

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
SEZ-KD18NA4R1 / SUZ-KA18NA2
CAPACITY : 18000(Btu/h) INPUT :1.31(kW) SHF :0.82

		OUTDOOR DB(℉)															
INDOOR	INDOOR	68				77				86				95			
DB(℉)	WB(℉)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	18859	13503	0.72	0.87	17739	12701	0.72	0.99	16320	11685	0.72	1.08	14976	10723	0.72	1.17
68	64	20614	12286	0.60	0.96	19494	11618	0.60	1.08	18075	10773	0.60	1.17	16730	9971	0.60	1.26
68	61	18859	14258	0.76	0.87	17739	13411	0.76	0.99	16320	12338	0.76	1.08	14976	11322	0.76	1.17
68	64	20614	13111	0.64	0.96	19494	12398	0.64	1.08	18075	11496	0.64	1.17	16730	10640	0.64	1.26
68	68	21510	11099	0.52	1.01	20614	10637	0.52	1.10	19419	10020	0.52	1.21	18000	9288	0.52	1.31
72	61	18859	15766	0.84	0.87	17739	14830	0.84	0.99	16320	13644	0.84	1.08	14976	12520	0.84	1.17
72	64	20614	14760	0.72	0.96	19494	13958	0.72	1.08	18075	12941	0.72	1.17	16730	11979	0.72	1.26
72	68	21510	12820	0.60	1.01	20614	12286	0.60	1.10	19419	11574	0.60	1.21	18000	10728	0.60	1.31
75	61	18859	17275	0.92	0.87	17739	16249	0.92	0.99	16320	14949	0.92	1.08	14976	13718	0.92	1.17
75	64	20614	16409	0.80	0.96	19494	15517	0.80	1.08	18075	14387	0.80	1.17	16730	13317	0.80	1.26
75	68	21510	14541	0.68	1.01	20614	13935	0.68	1.10	19419	13127	0.68	1.21	18000	12168	0.68	1.31
75	72	22705	12624	0.56	1.05	21959	12209	0.56	1.17	20614	11461	0.56	1.27	19270	10714	0.56	1.36
79	61	18859	18784	1.00	0.87	17739	17668	1.00	0.99	16320	16255	1.00	1.08	14976	14916	1.00	1.17
79	64	20614	18058	0.88	0.96	19494	17077	0.88	1.08	18075	15833	0.88	1.17	16730	14656	0.88	1.26
79	68	21510	16262	0.76	1.01	20614	15584	0.76	1.10	19419	14681	0.76	1.21	18000	13608	0.76	1.31
79	72	22705	14441	0.64	1.05	21959	13966	0.64	1.17	20614	13111	0.64	1.27	19270	12256	0.64	1.36
81	61	18859	18859	1.00	0.87	17739	17739	1.00	0.99	16320	16320	1.00	1.08	14976	14976	1.00	1.17
81	64	20614	18883	0.92	0.96	19494	17856	0.92	1.08	18075	16556	0.92	1.17	16730	15325	0.92	1.26
81	68	21510	17122	0.80	1.01	20614	16409	0.80	1.10	19419	15458	0.80	1.21	18000	14328	0.80	1.31
81	72	22705	15349	0.68	1.05	21959	14844	0.68	1.17	20614	13935	0.68	1.27	19270	13026	0.68	1.36
82	61	18859	18859	1.00	0.87	17739	17739	1.00	0.99	16320	16320	1.00	1.08	14976	14976	1.00	1.17
82	64	20614	19707	0.96	0.96	19494	18636	0.96	1.08	18075	17279	0.96	1.17	16730	15994	0.96	1.26
82	68	21510	17983	0.84	1.01	20614	17233	0.84	1.10	19419	16234	0.84	1.21	18000	15048	0.84	1.31
82	72	22705	16257	0.72	1.05	21959	15722	0.72	1.17	20614	14760	0.72	1.27	19270	13797	0.72	1.36
86	61	18859	18859	1.00	0.87	17739	17739	1.00	0.99	16320	16320	1.00	1.08	14976	14976	1.00	1.17
86	64	20614	20614	1.00	0.96	19494	19494	1.00	1.08	18075	18075	1.00	1.17	16730	16730	1.00	1.26
86	68	21510	19704	0.92	1.01	20614	18883	0.92	1.10	19419	17788	0.92	1.21	18000	16488	0.92	1.31
86	72	22705	18073	0.80	1.05	21959	17479	0.80	1.17	20614	16409	0.80	1.27	19270	15339	0.80	1.36
90	61	18859	18859	1.00	0.87	17739	17739	1.00	0.99	16320	16320	1.00	1.08	14976	14976	1.00	1.17
90	64	20614	20614	1.00	0.96	19494	19494	1.00	1.08	18075	18075	1.00	1.17	16730	16730	1.00	1.26
90	68	21510	21424	1.00	1.01	20614	20532	1.00	1.10	19419	19341	1.00	1.21	18000	17928	1.00	1.31
90	72	22705	19890	0.88	1.05	21959	19236	0.88	1.17	20614	18058	0.88	1.27	19270	16880	0.88	1.36

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
SEZ-KD18NA4R1 / SUZ-KA18NA2
CAPACITY : 18000(Btu/h) INPUT :1.31(kW) SHF :0.82

		OUTDOOR DB(°F)							
INDOOR	INDOOR	104				115			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	13631	9760	0.72	1.23	12287	8797	0.72	1.29
68	64	15386	9170	0.60	1.32	14041	8369	0.60	1.38
68	61	13631	10305	0.76	1.23	12287	9289	0.76	1.29
68	64	15386	9785	0.64	1.32	14041	8930	0.64	1.38
68	68	16581	8556	0.52	1.38	15386	7939	0.52	1.44
72	61	13631	11396	0.84	1.23	12287	10272	0.84	1.29
72	64	15386	11016	0.72	1.32	14041	10054	0.72	1.38
72	68	16581	9882	0.60	1.38	15386	9170	0.60	1.44
75	61	13631	12486	0.92	1.23	12287	11255	0.92	1.29
75	64	15386	12247	0.80	1.32	14041	11177	0.80	1.38
75	68	16581	11209	0.68	1.38	15386	10401	0.68	1.44
75	72	17925	9966	0.56	1.43	16432	9136	0.56	1.47
79	61	13631	13577	1.00	1.23	12287	12238	1.00	1.29
79	64	15386	13478	0.88	1.32	14041	12300	0.88	1.38
79	68	16581	12535	0.76	1.38	15386	11632	0.76	1.44
79	72	17925	11400	0.64	1.43	16432	10450	0.64	1.47
81	61	13631	13631	1.00	1.23	12287	12287	1.00	1.29
81	64	15386	14093	0.92	1.32	14041	12862	0.92	1.38
81	68	16581	13198	0.80	1.38	15386	12247	0.80	1.44
81	72	17925	12118	0.68	1.43	16432	11108	0.68	1.47
82	61	13631	13631	1.00	1.23	12287	12287	1.00	1.29
82	64	15386	14709	0.96	1.32	14041	13424	0.96	1.38
82	68	16581	13862	0.84	1.38	15386	12863	0.84	1.44
82	72	17925	12835	0.72	1.43	16432	11765	0.72	1.47
86	61	13631	13631	1.00	1.23	12287	12287	1.00	1.29
86	64	15386	15386	1.00	1.32	14041	14041	1.00	1.38
86	68	16581	15188	0.92	1.38	15386	14093	0.92	1.44
86	72	17925	14269	0.80	1.43	16432	13080	0.80	1.47
90	61	13631	13631	1.00	1.23	12287	12287	1.00	1.29
90	64	15386	15386	1.00	1.32	14041	14041	1.00	1.38
90	68	16581	16515	1.00	1.38	15386	15324	1.00	1.44
90	72	17925	15703	0.88	1.43	16432	14394	0.88	1.47

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

HEATING operation at Rated frequency
SEZ-KD09NA4R1 / SUZ-KA09NA2
CAPACITY : 12000(Btu/h) INPUT : 1.10(kW)

	OUTDOOR WB(°F)											
INDOOR	14		23		32		41		50		59	
DB(°F)	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
59	7737	0.73	9422	0.87	10270	0.93	11975	1.04	13690	1.12	15413	1.18
68	7317	0.79	9019	0.92	9876	0.98	11587	1.08	13279	1.16	14934	1.21
77	6603	0.84	8379	0.98	9263	1.03	11006	1.13	12701	1.20	14324	1.25

SEZ-KD12NA4R1 / SUZ-KA12NA2
CAPACITY : 15000(Btu/h) INPUT : 1.33(kW)

	OUTDOOR WB(°F)											
INDOOR	14		23		32		41		50		59	
DB(°F)	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
59	9671	0.88	11778	1.05	12838	1.12	14969	1.26	17112	1.36	19266	1.43
68	9146	0.95	11274	1.12	12345	1.19	14483	1.31	16599	1.40	18667	1.46
77	8253	1.02	10474	1.18	11578	1.25	13758	1.37	15876	1.46	17905	1.51

SEZ-KD15NA4R1 / SUZ-KA15NA2
CAPACITY : 18000(Btu/h) INPUT : 1.44(kW)

	OUTDOOR WB(°F)											
INDOOR	14		23		32		41		50		59	
DB(°F)	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
59	11605	0.95	14134	1.13	15405	1.22	17962	1.36	20535	1.47	23119	1.54
68	10975	1.03	13529	1.21	14814	1.29	17380	1.42	19918	1.52	22401	1.58
77	9904	1.10	12569	1.28	13894	1.35	16509	1.48	19051	1.58	21486	1.64

SEZ-KD18NA4R1 / SUZ-KA18NA2
CAPACITY : 21600(Btu/h) INPUT : 1.58(kW)

	OUTDOOR WB(°F)											
INDOOR	14		23		32		41		50		59	
DB(°F)	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
59	13927	1.05	16960	1.24	18486	1.33	21555	1.49	24642	1.61	27743	1.69
68	13170	1.13	16235	1.33	17776	1.41	20856	1.55	23902	1.66	26881	1.74
77	11885	1.21	15083	1.40	16673	1.49	19811	1.63	22861	1.73	25783	1.80

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

A.5.5.2 H2i SUZ series

COOLING operation at Rated frequency

SEZ-KD09NA4R1 / SUZ-KA09NAHZ

CAPACITY : 9000(Btu/h) INPUT :0.69(kW) SHF :0.79

		OUTDOOR DB(°F)															
INDOOR	INDOOR	68				77				86				95			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	9430	6469	0.69	0.46	8870	6085	0.69	0.52	8160	5598	0.69	0.57	7488	5137	0.69	0.61
68	64	10307	5834	0.57	0.50	9747	5517	0.57	0.57	9037	5115	0.57	0.61	8365	4735	0.57	0.66
68	61	9430	6846	0.73	0.46	8870	6439	0.73	0.52	8160	5924	0.73	0.57	7488	5436	0.73	0.61
68	64	10307	6246	0.61	0.50	9747	5907	0.61	0.57	9037	5477	0.61	0.61	8365	5069	0.61	0.66
68	68	10755	5227	0.49	0.53	10307	5009	0.49	0.58	9710	4719	0.49	0.64	9000	4374	0.49	0.69
72	61	9430	7600	0.81	0.46	8870	7149	0.81	0.52	8160	6577	0.81	0.57	7488	6035	0.81	0.61
72	64	10307	7071	0.69	0.50	9747	6686	0.69	0.57	9037	6200	0.69	0.61	8365	5738	0.69	0.66
72	68	10755	6087	0.57	0.53	10307	5834	0.57	0.58	9710	5496	0.57	0.64	9000	5094	0.57	0.69
75	61	9430	8355	0.89	0.46	8870	7858	0.89	0.52	8160	7230	0.89	0.57	7488	6634	0.89	0.61
75	64	10307	7895	0.77	0.50	9747	7466	0.77	0.57	9037	6923	0.77	0.61	8365	6408	0.77	0.66
75	68	10755	6948	0.65	0.53	10307	6658	0.65	0.58	9710	6272	0.65	0.64	9000	5814	0.65	0.69
75	72	11353	5972	0.53	0.55	10979	5775	0.53	0.61	10307	5422	0.53	0.67	9635	5068	0.53	0.72
79	61	9430	9109	0.97	0.46	8870	8568	0.97	0.52	8160	7883	0.97	0.57	7488	7233	0.97	0.61
79	64	10307	8720	0.85	0.50	9747	8246	0.85	0.57	9037	7646	0.85	0.61	8365	7077	0.85	0.66
79	68	10755	7808	0.73	0.53	10307	7483	0.73	0.58	9710	7049	0.73	0.64	9000	6534	0.73	0.69
79	72	11353	6880	0.61	0.55	10979	6653	0.61	0.61	10307	6246	0.61	0.67	9635	5839	0.61	0.72
81	61	9430	9430	1.00	0.46	8870	8870	1.00	0.52	8160	8160	1.00	0.57	7488	7488	1.00	0.61
81	64	10307	9132	0.89	0.50	9747	8636	0.89	0.57	9037	8007	0.89	0.61	8365	7412	0.89	0.66
81	68	10755	8238	0.77	0.53	10307	7895	0.77	0.58	9710	7438	0.77	0.64	9000	6894	0.77	0.69
81	72	11353	7334	0.65	0.55	10979	7093	0.65	0.61	10307	6658	0.65	0.67	9635	6224	0.65	0.72
82	61	9430	9430	1.00	0.46	8870	8870	1.00	0.52	8160	8160	1.00	0.57	7488	7488	1.00	0.61
82	64	10307	9544	0.93	0.50	9747	9026	0.93	0.57	9037	8369	0.93	0.61	8365	7746	0.93	0.66
82	68	10755	8669	0.81	0.53	10307	8307	0.81	0.58	9710	7826	0.81	0.64	9000	7254	0.81	0.69
82	72	11353	7788	0.69	0.55	10979	7532	0.69	0.61	10307	7071	0.69	0.67	9635	6610	0.69	0.72
86	61	9430	9430	1.00	0.46	8870	8870	1.00	0.52	8160	8160	1.00	0.57	7488	7488	1.00	0.61
86	64	10307	10307	1.00	0.50	9747	9747	1.00	0.57	9037	9037	1.00	0.61	8365	8365	1.00	0.66
86	68	10755	9529	0.89	0.53	10307	9132	0.89	0.58	9710	8603	0.89	0.64	9000	7974	0.89	0.69
86	72	11353	8696	0.77	0.55	10979	8410	0.77	0.61	10307	7895	0.77	0.67	9635	7380	0.77	0.72
90	61	9430	9430	1.00	0.46	8870	8870	1.00	0.52	8160	8160	1.00	0.57	7488	7488	1.00	0.61
90	64	10307	10307	1.00	0.50	9747	9747	1.00	0.57	9037	9037	1.00	0.61	8365	8365	1.00	0.66
90	68	10755	10390	0.97	0.53	10307	9957	0.97	0.58	9710	9379	0.97	0.64	9000	8694	0.97	0.69
90	72	11353	9604	0.85	0.55	10979	9288	0.85	0.61	10307	8720	0.85	0.67	9635	8151	0.85	0.72

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
SEZ-KD09NA4R1 / SUZ-KA09NAHZ
CAPACITY : 9000(Btu/h) INPUT :0.69(kW) SHF :0.79

		OUTDOOR DB(℉)							
INDOOR	INDOOR	104				115			
DB(℉)	WB(℉)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	6816	4676	0.69	0.65	6143	4214	0.69	0.68
68	64	7693	4354	0.57	0.69	7021	3974	0.57	0.72
68	61	6816	4948	0.73	0.65	6143	4460	0.73	0.68
68	64	7693	4662	0.61	0.69	7021	4255	0.61	0.72
68	68	8290	4029	0.49	0.72	7693	3739	0.49	0.76
72	61	6816	5493	0.81	0.65	6143	4952	0.81	0.68
72	64	7693	5277	0.69	0.69	7021	4816	0.69	0.72
72	68	8290	4692	0.57	0.72	7693	4354	0.57	0.76
75	61	6816	6039	0.89	0.65	6143	5443	0.89	0.68
75	64	7693	5893	0.77	0.69	7021	5378	0.77	0.72
75	68	8290	5356	0.65	0.72	7693	4970	0.65	0.76
75	72	8963	4714	0.53	0.75	8216	4321	0.53	0.78
79	61	6816	6584	0.97	0.65	6143	5935	0.97	0.68
79	64	7693	6508	0.85	0.69	7021	5940	0.85	0.72
79	68	8290	6019	0.73	0.72	7693	5585	0.73	0.76
79	72	8963	5431	0.61	0.75	8216	4979	0.61	0.78
81	61	6816	6816	1.00	0.65	6143	6143	1.00	0.68
81	64	7693	6816	0.89	0.69	7021	6220	0.89	0.72
81	68	8290	6350	0.77	0.72	7693	5893	0.77	0.76
81	72	8963	5790	0.65	0.75	8216	5307	0.65	0.78
82	61	6816	6816	1.00	0.65	6143	6143	1.00	0.68
82	64	7693	7124	0.93	0.69	7021	6501	0.93	0.72
82	68	8290	6682	0.81	0.72	7693	6201	0.81	0.76
82	72	8963	6148	0.69	0.75	8216	5636	0.69	0.78
86	61	6816	6816	1.00	0.65	6143	6143	1.00	0.68
86	64	7693	7693	1.00	0.69	7021	7021	1.00	0.72
86	68	8290	7345	0.89	0.72	7693	6816	0.89	0.76
86	72	8963	6865	0.77	0.75	8216	6293	0.77	0.78
90	61	6816	6816	1.00	0.65	6143	6143	1.00	0.68
90	64	7693	7693	1.00	0.69	7021	7021	1.00	0.72
90	68	8290	8009	0.97	0.72	7693	7431	0.97	0.76
90	72	8963	7582	0.85	0.75	8216	6951	0.85	0.78

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
SEZ-KD12NA4R1 / SUZ-KA12NAHZ
CAPACITY : 12000(Btu/h) INPUT :0.92(kW) SHF :0.76

		OUTDOOR DB(°F)															
INDOOR	INDOOR	68				77				86				95			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	12573	8248	0.66	0.61	11826	7758	0.66	0.69	10880	7137	0.66	0.76	9984	6549	0.66	0.82
68	64	13743	7366	0.54	0.67	12996	6966	0.54	0.76	12050	6459	0.54	0.82	11154	5978	0.54	0.88
68	61	12573	8751	0.70	0.61	11826	8231	0.70	0.69	10880	7572	0.70	0.76	9984	6949	0.70	0.82
68	64	13743	7916	0.58	0.67	12996	7486	0.58	0.76	12050	6941	0.58	0.82	11154	6424	0.58	0.88
68	68	14340	6539	0.46	0.71	13743	6267	0.46	0.77	12946	5903	0.46	0.85	12000	5472	0.46	0.92
72	61	12573	9757	0.78	0.61	11826	9177	0.78	0.69	10880	8443	0.78	0.76	9984	7747	0.78	0.82
72	64	13743	9015	0.66	0.67	12996	8525	0.66	0.76	12050	7905	0.66	0.82	11154	7317	0.66	0.88
72	68	14340	7686	0.54	0.71	13743	7366	0.54	0.77	12946	6939	0.54	0.85	12000	6432	0.54	0.92
75	61	12573	10762	0.86	0.61	11826	10123	0.86	0.69	10880	9313	0.86	0.76	9984	8546	0.86	0.82
75	64	13743	10115	0.74	0.67	12996	9565	0.74	0.76	12050	8869	0.74	0.82	11154	8209	0.74	0.88
75	68	14340	8834	0.62	0.71	13743	8466	0.62	0.77	12946	7975	0.62	0.85	12000	7392	0.62	0.92
75	72	15137	7508	0.50	0.74	14639	7261	0.50	0.82	13743	6816	0.50	0.89	12846	6372	0.50	0.96
79	61	12573	11768	0.94	0.61	11826	11069	0.94	0.69	10880	10184	0.94	0.76	9984	9345	0.94	0.82
79	64	13743	11214	0.82	0.67	12996	10605	0.82	0.76	12050	9833	0.82	0.82	11154	9101	0.82	0.88
79	68	14340	9981	0.70	0.71	13743	9565	0.70	0.77	12946	9010	0.70	0.85	12000	8352	0.70	0.92
79	72	15137	8719	0.58	0.74	14639	8432	0.58	0.82	13743	7916	0.58	0.89	12846	7400	0.58	0.96
81	61	12573	12271	0.98	0.61	11826	11542	0.98	0.69	10880	10619	0.98	0.76	9984	9744	0.98	0.82
81	64	13743	11764	0.86	0.67	12996	11124	0.86	0.76	12050	10315	0.86	0.82	11154	9547	0.86	0.88
81	68	14340	10554	0.74	0.71	13743	10115	0.74	0.77	12946	9528	0.74	0.85	12000	8832	0.74	0.92
81	72	15137	9324	0.62	0.74	14639	9018	0.62	0.82	13743	8466	0.62	0.89	12846	7913	0.62	0.96
82	61	12573	12573	1.00	0.61	11826	11826	1.00	0.69	10880	10880	1.00	0.76	9984	9984	1.00	0.82
82	64	13743	12313	0.90	0.67	12996	11644	0.90	0.76	12050	10797	0.90	0.82	11154	9994	0.90	0.88
82	68	14340	11128	0.78	0.71	13743	10664	0.78	0.77	12946	10046	0.78	0.85	12000	9312	0.78	0.92
82	72	15137	9930	0.66	0.74	14639	9603	0.66	0.82	13743	9015	0.66	0.89	12846	8427	0.66	0.96
86	61	12573	12573	1.00	0.61	11826	11826	1.00	0.69	10880	10880	1.00	0.76	9984	9984	1.00	0.82
86	64	13743	13413	0.98	0.67	12996	12684	0.98	0.76	12050	11761	0.98	0.82	11154	10886	0.98	0.88
86	68	14340	12275	0.86	0.71	13743	11764	0.86	0.77	12946	11082	0.86	0.85	12000	10272	0.86	0.92
86	72	15137	11141	0.74	0.74	14639	10774	0.74	0.82	13743	10115	0.74	0.89	12846	9455	0.74	0.96
90	61	12573	12573	1.00	0.61	11826	11826	1.00	0.69	10880	10880	1.00	0.76	9984	9984	1.00	0.82
90	64	13743	13743	1.00	0.67	12996	12996	1.00	0.76	12050	12050	1.00	0.82	11154	11154	1.00	0.88
90	68	14340	13422	0.94	0.71	13743	12863	0.94	0.77	12946	12118	0.94	0.85	12000	11232	0.94	0.92
90	72	15137	12352	0.82	0.74	14639	11945	0.82	0.82	13743	11214	0.82	0.89	12846	10483	0.82	0.96

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
SEZ-KD12NA4R1 / SUZ-KA12NAHZ
CAPACITY : 12000(Btu/h) INPUT :0.92(kW) SHF :0.76

		OUTDOOR DB(℉)							
INDOOR	INDOOR	104				115			
DB(℉)	WB(℉)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	9087	5961	0.66	0.86	8191	5373	0.66	0.90
68	64	10257	5498	0.54	0.92	9361	5017	0.54	0.97
68	61	9087	6325	0.70	0.86	8191	5701	0.70	0.90
68	64	10257	5908	0.58	0.92	9361	5392	0.58	0.97
68	68	11054	5041	0.46	0.97	10257	4677	0.46	1.01
72	61	9087	7052	0.78	0.86	8191	6356	0.78	0.90
72	64	10257	6729	0.66	0.92	9361	6141	0.66	0.97
72	68	11054	5925	0.54	0.97	10257	5498	0.54	1.01
75	61	9087	7779	0.86	0.86	8191	7012	0.86	0.90
75	64	10257	7549	0.74	0.92	9361	6890	0.74	0.97
75	68	11054	6809	0.62	0.97	10257	6318	0.62	1.01
75	72	11950	5927	0.50	1.00	10954	5433	0.50	1.03
79	61	9087	8506	0.94	0.86	8191	7667	0.94	0.90
79	64	10257	8370	0.82	0.92	9361	7639	0.82	0.97
79	68	11054	7694	0.70	0.97	10257	7139	0.70	1.01
79	72	11950	6883	0.58	1.00	10954	6310	0.58	1.03
81	61	9087	8869	0.98	0.86	8191	7995	0.98	0.90
81	64	10257	8780	0.86	0.92	9361	8013	0.86	0.97
81	68	11054	8136	0.74	0.97	10257	7549	0.74	1.01
81	72	11950	7361	0.62	1.00	10954	6748	0.62	1.03
82	61	9087	9087	1.00	0.86	8191	8191	1.00	0.90
82	64	10257	9191	0.90	0.92	9361	8387	0.90	0.97
82	68	11054	8578	0.78	0.97	10257	7960	0.78	1.01
82	72	11950	7839	0.66	1.00	10954	7186	0.66	1.03
86	61	9087	9087	1.00	0.86	8191	8191	1.00	0.90
86	64	10257	10011	0.98	0.92	9361	9136	0.98	0.97
86	68	11054	9462	0.86	0.97	10257	8780	0.86	1.01
86	72	11950	8795	0.74	1.00	10954	8062	0.74	1.03
90	61	9087	9087	1.00	0.86	8191	8191	1.00	0.90
90	64	10257	10257	1.00	0.92	9361	9361	1.00	0.97
90	68	11054	10346	0.94	0.97	10257	9601	0.94	1.01
90	72	11950	9751	0.82	1.00	10954	8939	0.82	1.03

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
SEZ-KD15NA4R1 / SUZ-KA15NAHZ
CAPACITY :15000(Btu/h) INPUT :1.2(kW) SHF :0.8

		OUTDOOR DB(°F)															
INDOOR	INDOOR	68				77				86				95			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	15716	10938	0.70	0.80	14783	10289	0.70	0.90	13600	9466	0.70	0.99	12480	8686	0.70	1.07
68	64	17178	9895	0.58	0.88	16245	9357	0.58	0.99	15062	8676	0.58	1.07	13942	8031	0.58	1.15
68	61	15716	11567	0.74	0.80	14783	10880	0.74	0.90	13600	10010	0.74	0.99	12480	9185	0.74	1.07
68	64	17178	10582	0.62	0.88	16245	10007	0.62	0.99	15062	9278	0.62	1.07	13942	8588	0.62	1.15
68	68	17925	8891	0.50	0.93	17178	8520	0.50	1.01	16183	8027	0.50	1.11	15000	7440	0.50	1.20
72	61	15716	12824	0.82	0.80	14783	12063	0.82	0.90	13600	11098	0.82	0.99	12480	10183	0.82	1.07
72	64	17178	11956	0.70	0.88	16245	11306	0.70	0.99	15062	10483	0.70	1.07	13942	9704	0.70	1.15
72	68	17925	10325	0.58	0.93	17178	9895	0.58	1.01	16183	9321	0.58	1.11	15000	8640	0.58	1.20
75	61	15716	14082	0.90	0.80	14783	13245	0.90	0.90	13600	12186	0.90	0.99	12480	11182	0.90	1.07
75	64	17178	13330	0.78	0.88	16245	12606	0.78	0.99	15062	11688	0.78	1.07	13942	10819	0.78	1.15
75	68	17925	11759	0.66	0.93	17178	11269	0.66	1.01	16183	10616	0.66	1.11	15000	9840	0.66	1.20
75	72	18921	10142	0.54	0.96	18299	9808	0.54	1.07	17178	9208	0.54	1.16	16058	8607	0.54	1.25
79	61	15716	15339	0.98	0.80	14783	14428	0.98	0.90	13600	13274	0.98	0.99	12480	12180	0.98	1.07
79	64	17178	14705	0.86	0.88	16245	13906	0.86	0.99	15062	12893	0.86	1.07	13942	11934	0.86	1.15
79	68	17925	13193	0.74	0.93	17178	12643	0.74	1.01	16183	11910	0.74	1.11	15000	11040	0.74	1.20
79	72	18921	11655	0.62	0.96	18299	11272	0.62	1.07	17178	10582	0.62	1.16	16058	9892	0.62	1.25
81	61	15716	15716	1.00	0.80	14783	14783	1.00	0.90	13600	13600	1.00	0.99	12480	12480	1.00	1.07
81	64	17178	15392	0.90	0.88	16245	14555	0.90	0.99	15062	13496	0.90	1.07	13942	12492	0.90	1.15
81	68	17925	13910	0.78	0.93	17178	13330	0.78	1.01	16183	12558	0.78	1.11	15000	11640	0.78	1.20
81	72	18921	12412	0.66	0.96	18299	12004	0.66	1.07	17178	11269	0.66	1.16	16058	10534	0.66	1.25
82	61	15716	15716	1.00	0.80	14783	14783	1.00	0.90	13600	13600	1.00	0.99	12480	12480	1.00	1.07
82	64	17178	16079	0.94	0.88	16245	15205	0.94	0.99	15062	14098	0.94	1.07	13942	13050	0.94	1.15
82	68	17925	14627	0.82	0.93	17178	14018	0.82	1.01	16183	13205	0.82	1.11	15000	12240	0.82	1.20
82	72	18921	13169	0.70	0.96	18299	12736	0.70	1.07	17178	11956	0.70	1.16	16058	11176	0.70	1.25
86	61	15716	15716	1.00	0.80	14783	14783	1.00	0.90	13600	13600	1.00	0.99	12480	12480	1.00	1.07
86	64	17178	17178	1.00	0.88	16245	16245	1.00	0.99	15062	15062	1.00	1.07	13942	13942	1.00	1.15
86	68	17925	16061	0.90	0.93	17178	15392	0.90	1.01	16183	14500	0.90	1.11	15000	13440	0.90	1.20
86	72	18921	14683	0.78	0.96	18299	14200	0.78	1.07	17178	13330	0.78	1.16	16058	12461	0.78	1.25
90	61	15716	15716	1.00	0.80	14783	14783	1.00	0.90	13600	13600	1.00	0.99	12480	12480	1.00	1.07
90	64	17178	17178	1.00	0.88	16245	16245	1.00	0.99	15062	15062	1.00	1.07	13942	13942	1.00	1.15
90	68	17925	17495	0.98	0.93	17178	16766	0.98	1.01	16183	15794	0.98	1.11	15000	14640	0.98	1.20
90	72	18921	16197	0.86	0.96	18299	15664	0.86	1.07	17178	14705	0.86	1.16	16058	13746	0.86	1.25

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
SEZ-KD15NA4R1 / SUZ-KA15NAHZ
CAPACITY :15000(Btu/h) INPUT :1.2(kW) SHF :0.8

		OUTDOOR DB(℉)							
INDOOR	INDOOR	104				115			
DB(℉)	WB(℉)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	11359	7906	0.70	1.12	10239	7126	0.70	1.18
68	64	12822	7385	0.58	1.21	11701	6740	0.58	1.26
68	61	11359	8360	0.74	1.12	10239	7536	0.74	1.18
68	64	12822	7898	0.62	1.21	11701	7208	0.62	1.26
68	68	13817	6853	0.50	1.26	12822	6360	0.50	1.32
72	61	11359	9269	0.82	1.12	10239	8355	0.82	1.18
72	64	12822	8924	0.70	1.21	11701	8144	0.70	1.26
72	68	13817	7959	0.58	1.26	12822	7385	0.58	1.32
75	61	11359	10178	0.90	1.12	10239	9174	0.90	1.18
75	64	12822	9950	0.78	1.21	11701	9080	0.78	1.26
75	68	13817	9064	0.66	1.26	12822	8411	0.66	1.32
75	72	14938	8007	0.54	1.31	13693	7339	0.54	1.35
79	61	11359	11087	0.98	1.12	10239	9993	0.98	1.18
79	64	12822	10975	0.86	1.21	11701	10016	0.86	1.26
79	68	13817	10170	0.74	1.26	12822	9437	0.74	1.32
79	72	14938	9202	0.62	1.31	13693	8435	0.62	1.35
81	61	11359	11359	1.00	1.12	10239	10239	1.00	1.18
81	64	12822	11488	0.90	1.21	11701	10484	0.90	1.26
81	68	13817	10722	0.78	1.26	12822	9950	0.78	1.32
81	72	14938	9799	0.66	1.31	13693	8983	0.66	1.35
82	61	11359	11359	1.00	1.12	10239	10239	1.00	1.18
82	64	12822	12001	0.94	1.21	11701	10952	0.94	1.26
82	68	13817	11275	0.82	1.26	12822	10462	0.82	1.32
82	72	14938	10397	0.70	1.31	13693	9530	0.70	1.35
86	61	11359	11359	1.00	1.12	10239	10239	1.00	1.18
86	64	12822	12822	1.00	1.21	11701	11701	1.00	1.26
86	68	13817	12380	0.90	1.26	12822	11488	0.90	1.32
86	72	14938	11592	0.78	1.31	13693	10626	0.78	1.35
90	61	11359	11359	1.00	1.12	10239	10239	1.00	1.18
90	64	12822	12822	1.00	1.21	11701	11701	1.00	1.26
90	68	13817	13486	0.98	1.26	12822	12514	0.98	1.32
90	72	14938	12787	0.86	1.31	13693	11721	0.86	1.35

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
SEZ-KD18NA4R1 / SUZ-KA18NAHZ
CAPACITY : 18000(Btu/h) INPUT :1.37(kW) SHF :0.87

		OUTDOOR DB(°F)															
INDOOR	INDOOR	68				77				86				95			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	18859	14446	0.77	0.91	17739	13588	0.77	1.03	16320	12501	0.77	1.13	14976	11471	0.77	1.22
68	64	20614	13317	0.65	1.00	19494	12593	0.65	1.12	18075	11676	0.65	1.22	16730	10808	0.65	1.31
68	61	18859	15201	0.81	0.91	17739	14298	0.81	1.03	16320	13154	0.81	1.13	14976	12070	0.81	1.22
68	64	20614	14141	0.69	1.00	19494	13373	0.69	1.12	18075	12399	0.69	1.22	16730	11477	0.69	1.31
68	68	21510	12175	0.57	1.06	20614	11668	0.57	1.15	19419	10991	0.57	1.26	18000	10188	0.57	1.37
72	61	18859	16709	0.89	0.91	17739	15717	0.89	1.03	16320	14460	0.89	1.13	14976	13268	0.89	1.22
72	64	20614	15790	0.77	1.00	19494	14932	0.77	1.12	18075	13845	0.77	1.22	16730	12815	0.77	1.31
72	68	21510	13896	0.65	1.06	20614	13317	0.65	1.15	19419	12545	0.65	1.26	18000	11628	0.65	1.37
75	61	18859	18218	0.97	0.91	17739	17136	0.97	1.03	16320	15765	0.97	1.13	14976	14466	0.97	1.22
75	64	20614	17440	0.85	1.00	19494	16492	0.85	1.12	18075	15291	0.85	1.22	16730	14154	0.85	1.31
75	68	21510	15617	0.73	1.06	20614	14966	0.73	1.15	19419	14098	0.73	1.26	18000	13068	0.73	1.37
75	72	22705	13759	0.61	1.10	21959	13307	0.61	1.22	20614	12492	0.61	1.33	19270	11677	0.61	1.43
79	61	18859	18859	1.00	0.91	17739	17739	1.00	1.03	16320	16320	1.00	1.13	14976	14976	1.00	1.22
79	64	20614	19089	0.93	1.00	19494	18051	0.93	1.12	18075	16737	0.93	1.22	16730	15492	0.93	1.31
79	68	21510	17337	0.81	1.06	20614	16615	0.81	1.15	19419	15652	0.81	1.26	18000	14508	0.81	1.37
79	72	22705	15576	0.69	1.10	21959	15064	0.69	1.22	20614	14141	0.69	1.33	19270	13219	0.69	1.43
81	61	18859	18859	1.00	0.91	17739	17739	1.00	1.03	16320	16320	1.00	1.13	14976	14976	1.00	1.22
81	64	20614	19913	0.97	1.00	19494	18831	0.97	1.12	18075	17460	0.97	1.22	16730	16161	0.97	1.31
81	68	21510	18198	0.85	1.06	20614	17440	0.85	1.15	19419	16429	0.85	1.26	18000	15228	0.85	1.37
81	72	22705	16484	0.73	1.10	21959	15942	0.73	1.22	20614	14966	0.73	1.33	19270	13990	0.73	1.43
82	61	18859	18859	1.00	0.91	17739	17739	1.00	1.03	16320	16320	1.00	1.13	14976	14976	1.00	1.22
82	64	20614	20614	1.00	1.00	19494	19494	1.00	1.12	18075	18075	1.00	1.22	16730	16730	1.00	1.31
82	68	21510	19058	0.89	1.06	20614	18264	0.89	1.15	19419	17205	0.89	1.26	18000	15948	0.89	1.37
82	72	22705	17392	0.77	1.10	21959	16820	0.77	1.22	20614	15790	0.77	1.33	19270	14761	0.77	1.43
86	61	18859	18859	1.00	0.91	17739	17739	1.00	1.03	16320	16320	1.00	1.13	14976	14976	1.00	1.22
86	64	20614	20614	1.00	1.00	19494	19494	1.00	1.12	18075	18075	1.00	1.22	16730	16730	1.00	1.31
86	68	21510	20779	0.97	1.06	20614	19913	0.97	1.15	19419	18759	0.97	1.26	18000	17388	0.97	1.37
86	72	22705	19209	0.85	1.10	21959	18577	0.85	1.22	20614	17440	0.85	1.33	19270	16302	0.85	1.43
90	61	18859	18859	1.00	0.91	17739	17739	1.00	1.03	16320	16320	1.00	1.13	14976	14976	1.00	1.22
90	64	20614	20614	1.00	1.00	19494	19494	1.00	1.12	18075	18075	1.00	1.22	16730	16730	1.00	1.31
90	68	21510	21510	1.00	1.06	20614	20614	1.00	1.15	19419	19419	1.00	1.26	18000	18000	1.00	1.37
90	72	22705	21025	0.93	1.10	21959	20334	0.93	1.22	20614	19089	0.93	1.33	19270	17844	0.93	1.43

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
SEZ-KD18NA4R1 / SUZ-KA18NAHZ
CAPACITY : 18000(Btu/h) INPUT :1.37(kW) SHF :0.87

		OUTDOOR DB(℉)							
INDOOR	INDOOR	104				115			
DB(℉)	WB(℉)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	13631	10441	0.77	1.28	12287	9412	0.77	1.35
68	64	15386	9939	0.65	1.38	14041	9071	0.65	1.44
68	61	13631	10987	0.81	1.28	12287	9903	0.81	1.35
68	64	15386	10555	0.69	1.38	14041	9632	0.69	1.44
68	68	16581	9385	0.57	1.44	15386	8708	0.57	1.50
72	61	13631	12077	0.89	1.28	12287	10886	0.89	1.35
72	64	15386	11786	0.77	1.38	14041	10756	0.77	1.44
72	68	16581	10711	0.65	1.44	15386	9939	0.65	1.50
75	61	13631	13168	0.97	1.28	12287	11869	0.97	1.35
75	64	15386	13016	0.85	1.38	14041	11879	0.85	1.44
75	68	16581	12038	0.73	1.44	15386	11170	0.73	1.50
75	72	17925	10863	0.61	1.50	16432	9958	0.61	1.54
79	61	13631	13631	1.00	1.28	12287	12287	1.00	1.35
79	64	15386	14247	0.93	1.38	14041	13002	0.93	1.44
79	68	16581	13364	0.81	1.44	15386	12401	0.81	1.50
79	72	17925	12297	0.69	1.50	16432	11272	0.69	1.54
81	61	13631	13631	1.00	1.28	12287	12287	1.00	1.35
81	64	15386	14863	0.97	1.38	14041	13564	0.97	1.44
81	68	16581	14027	0.85	1.44	15386	13016	0.85	1.50
81	72	17925	13014	0.73	1.50	16432	11929	0.73	1.54
82	61	13631	13631	1.00	1.28	12287	12287	1.00	1.35
82	64	15386	15386	1.00	1.38	14041	14041	1.00	1.44
82	68	16581	14691	0.89	1.44	15386	13632	0.89	1.50
82	72	17925	13731	0.77	1.50	16432	12587	0.77	1.54
86	61	13631	13631	1.00	1.28	12287	12287	1.00	1.35
86	64	15386	15386	1.00	1.38	14041	14041	1.00	1.44
86	68	16581	16017	0.97	1.44	15386	14863	0.97	1.50
86	72	17925	15165	0.85	1.50	16432	13901	0.85	1.54
90	61	13631	13631	1.00	1.28	12287	12287	1.00	1.35
90	64	15386	15386	1.00	1.38	14041	14041	1.00	1.44
90	68	16581	16581	1.00	1.44	15386	15386	1.00	1.50
90	72	17925	16599	0.93	1.50	16432	15216	0.93	1.54

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

HEATING operation at Rated frequency
SEZ-KD09NA4R1 / SUZ-KA09NAHZ
CAPACITY : 12500(Btu/h) INPUT : 1.30(kW)

	OUTDOOR WB(°F)											
INDOOR	14		23		32		41		50		59	
DB(°F)	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
59	8625	1.02	10500	1.19	11438	1.27	13063	1.26	14188	1.32	15500	1.39
68	8188	1.05	10063	1.23	10938	1.30	12563	1.29	13688	1.35	15000	1.42
77	7875	1.08	9750	1.26	10625	1.34	12125	1.32	13250	1.39	14500	1.45

SEZ-KD12NA4R1 / SUZ-KA12NAHZ
CAPACITY : 15000(Btu/h) INPUT : 1.12(kW)

	OUTDOOR WB(°F)											
INDOOR	14		23		32		41		50		59	
DB(°F)	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
59	10350	0.88	12600	1.03	13725	1.10	15675	1.09	17025	1.14	18600	1.20
68	9825	0.91	12075	1.06	13125	1.12	15075	1.11	16425	1.17	18000	1.22
77	9450	0.93	11700	1.08	12750	1.15	14550	1.14	15900	1.19	17400	1.25

SEZ-KD15NA4R1 / SUZ-KA15NAHZ
CAPACITY : 18000(Btu/h) INPUT : 1.92(kW)

	OUTDOOR WB(°F)											
INDOOR	14		23		32		41		50		59	
DB(°F)	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
59	12420	1.51	15120	1.76	16470	1.88	18810	1.86	20430	1.95	22320	2.05
68	11790	1.55	14490	1.81	15750	1.93	18090	1.91	19710	2.00	21600	2.10
77	11340	1.60	14040	1.86	15300	1.97	17460	1.95	19080	2.05	20880	2.14

SEZ-KD18NA4R1 / SUZ-KA18NAHZ
CAPACITY : 21600(Btu/h) INPUT : 1.84(kW)

	OUTDOOR WB(°F)											
INDOOR	14		23		32		41		50		59	
DB(°F)	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
59	14904	1.45	18144	1.69	19764	1.80	22572	1.78	24516	1.87	26784	1.96
68	14148	1.49	17388	1.73	18900	1.85	21708	1.83	23652	1.92	25920	2.01
77	13608	1.53	16848	1.78	18360	1.89	20952	1.87	22896	1.96	25056	2.05

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

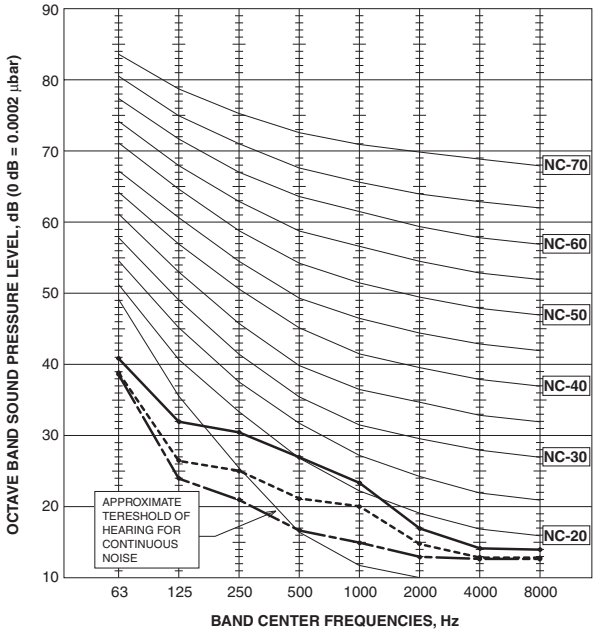
A.5.6 NOISE CRITERIA CURVES

SEZ-KD09NA4R1

External static pressure:
0.02[in.WG](5Pa)

<60Hz>

NOTCH	SPL(dB)	LINE
High	29	———
Middle	25	- - - -
Low	22	— - —

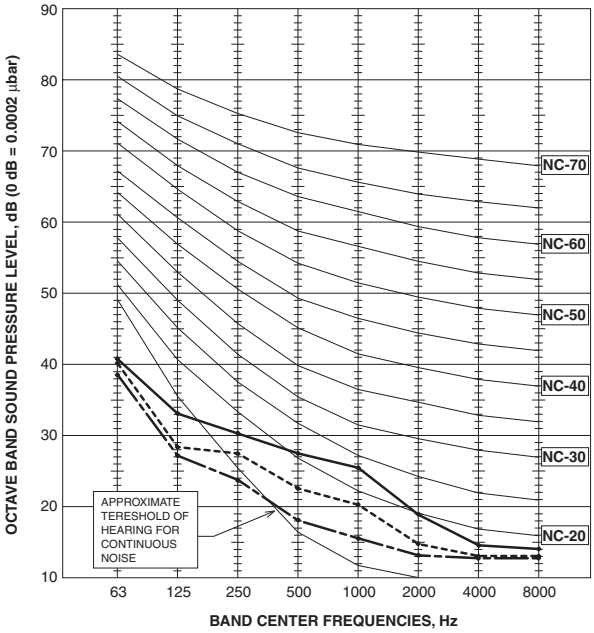


SEZ-KD09NA4R1

External static pressure:
0.06[in.WG](15Pa)

<60Hz>

NOTCH	SPL(dB)	LINE
High	30	———
Middle	26	- - - -
Low	23	— - —

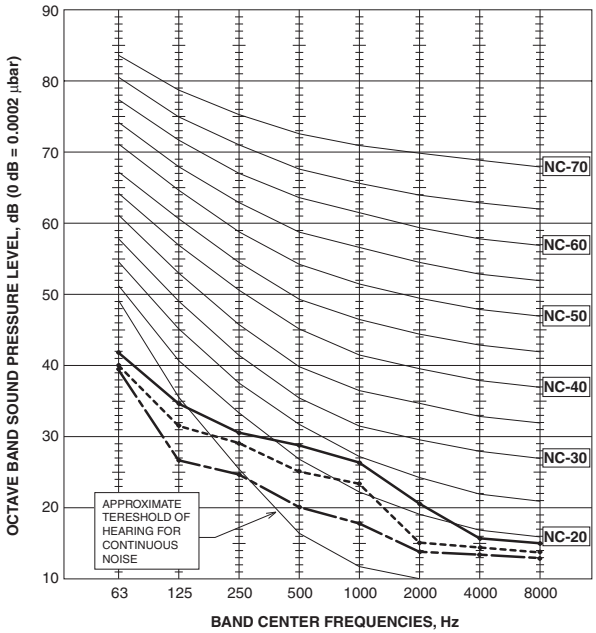


SEZ-KD09NA4R1

External static pressure:
0.14[in.WG](35Pa)

<60Hz>

NOTCH	SPL(dB)	LINE
High	31	———
Middle	28	- - - -
Low	24	— - —

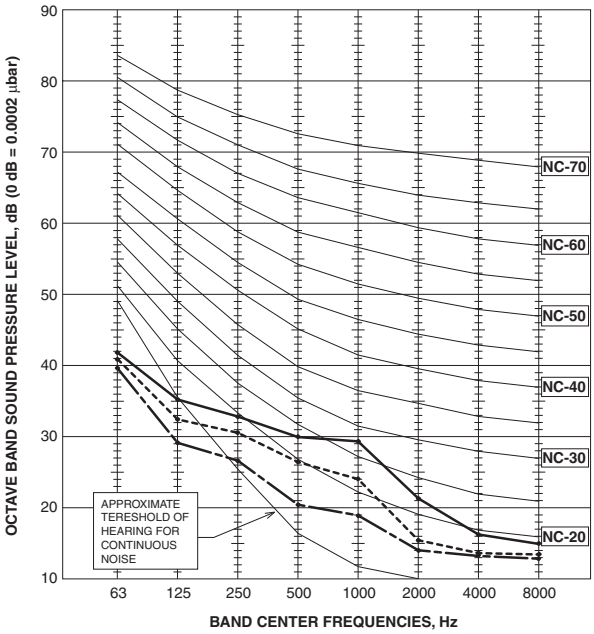


SEZ-KD09NA4R1

External static pressure:
0.20[in.WG](50Pa)

<60Hz>

NOTCH	SPL(dB)	LINE
High	33	———
Middle	29	- - - -
Low	25	— - —



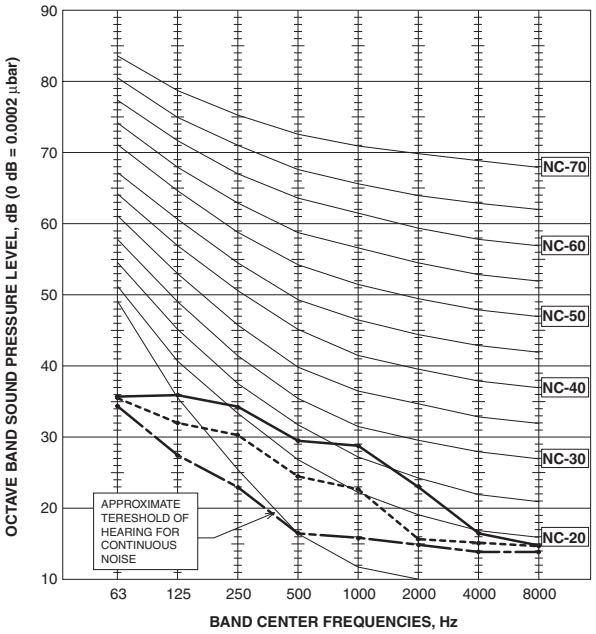
NOTE: The sound level is measured in an anechoic room where echoes are few, when compressor stops. The sound may be bigger than displayed level under actual installation condition by surrounding echoes. The sound level can be higher by about 2 dB than the displayed level during cooling and heating operation.

SEZ-KD12NA4R1

External static pressure:
0.02[in.WG](5Pa)

<60Hz>

NOTCH	SPL(dB)	LINE
High	33	
Middle	28	
Low	23	

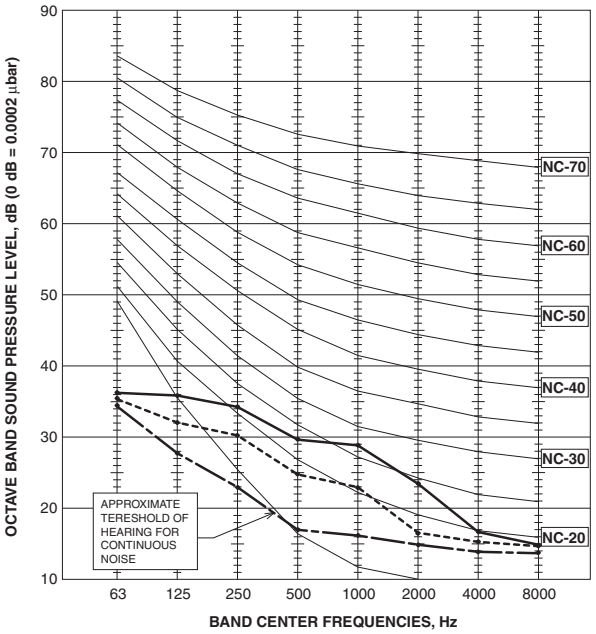


SEZ-KD12NA4R1

External static pressure:
0.06[in.WG](15Pa)

<60Hz>

NOTCH	SPL(dB)	LINE
High	33	
Middle	28	
Low	23	

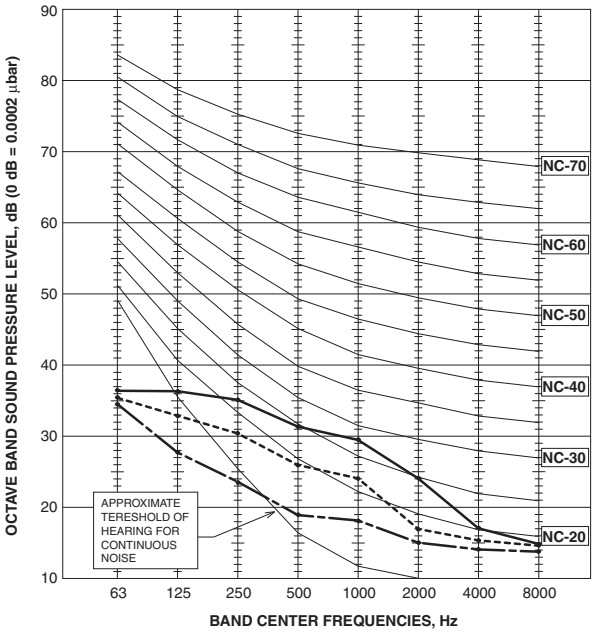


SEZ-KD12NA4R1

External static pressure:
0.14[in.WG](35Pa)

<60Hz>

NOTCH	SPL(dB)	LINE
High	34	
Middle	29	
Low	24	

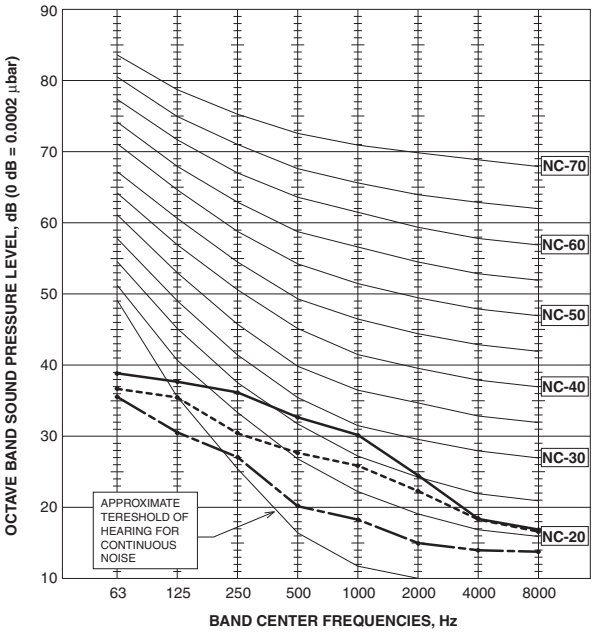


SEZ-KD12NA4R1

External static pressure:
0.20[in.WG](50Pa)

<60Hz>

NOTCH	SPL(dB)	LINE
High	35	
Middle	31	
Low	25	



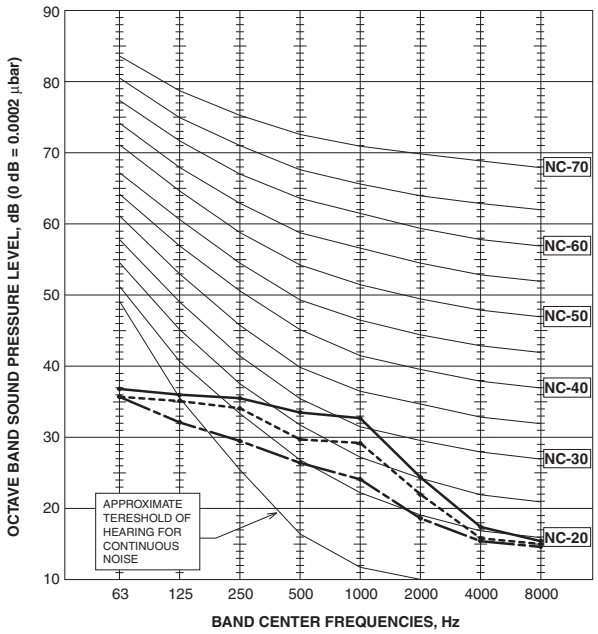
NOTE: The sound level is measured in an anechoic room where echoes are few, when compressor stops. The sound may be bigger than displayed level under actual installation condition by surrounding echoes. The sound level can be higher by about 2 dB than the displayed level during cooling and heating operation.

SEZ-KD15NA4R1

External static pressure:
0.02[in.WG](5Pa)

<60Hz>

NOTCH	SPL(dB)	LINE
High	36	
Middle	33	
Low	29	

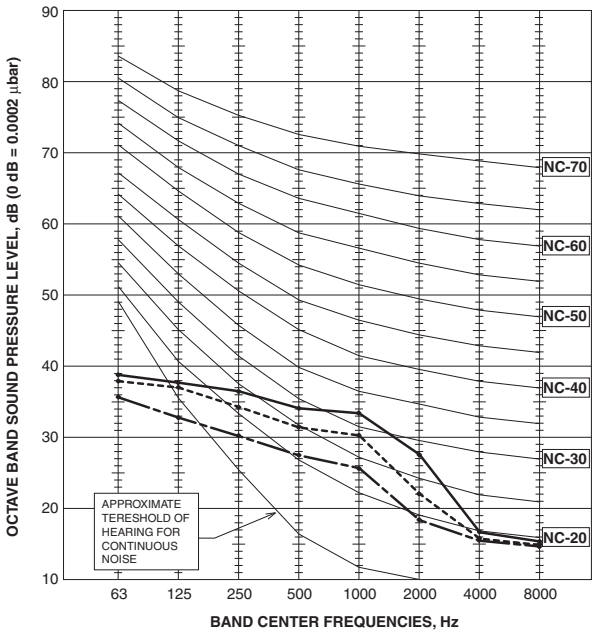


SEZ-KD15NA4R1

External static pressure:
0.06[in.WG](15Pa)

<60Hz>

NOTCH	SPL(dB)	LINE
High	37	
Middle	34	
Low	30	

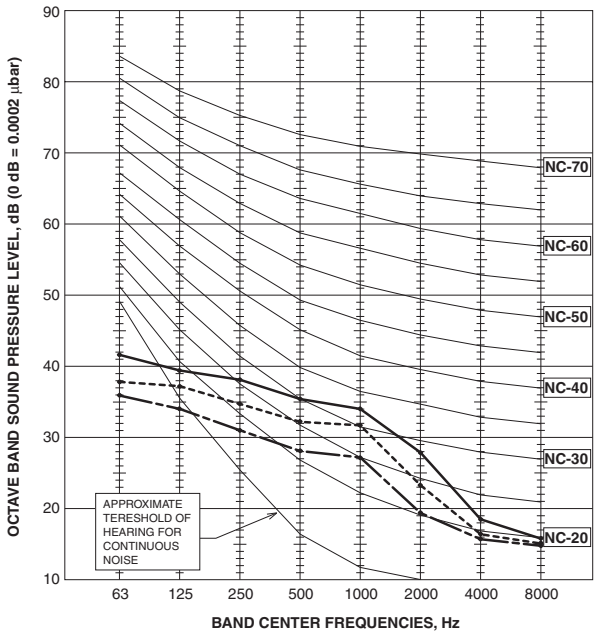


SEZ-KD15NA4R1

External static pressure:
0.14[in.WG](35Pa)

<60Hz>

NOTCH	SPL(dB)	LINE
High	38	
Middle	35	
Low	31	

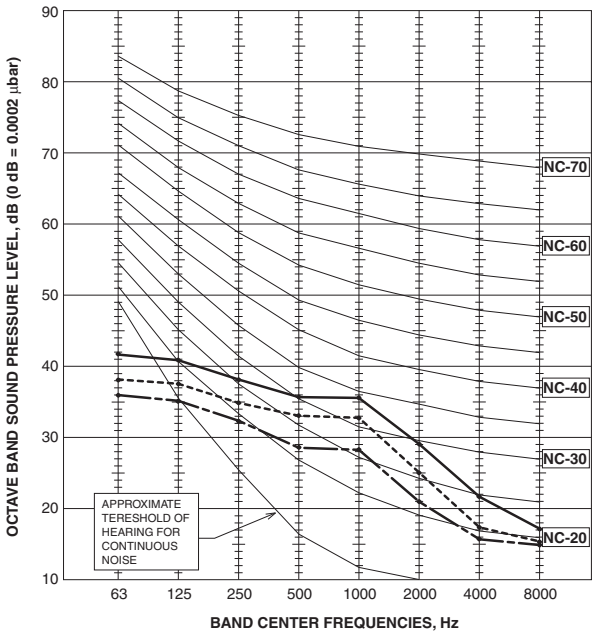


SEZ-KD15NA4R1

External static pressure:
0.20[in.WG](50Pa)

<60Hz>

NOTCH	SPL(dB)	LINE
High	39	
Middle	36	
Low	32	



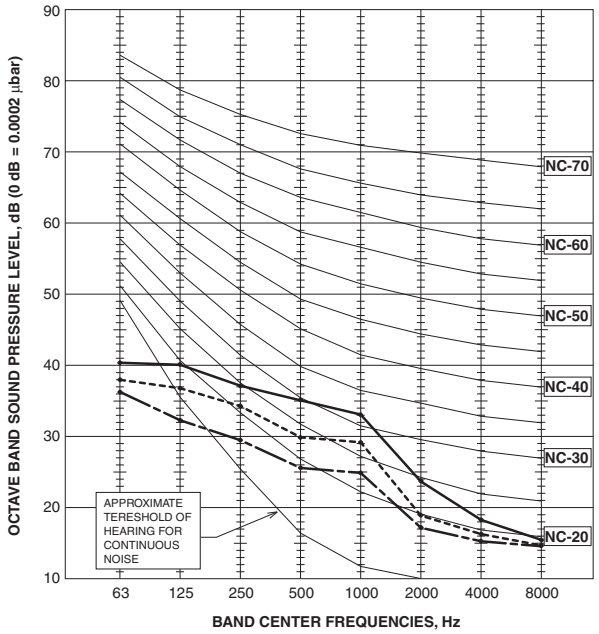
NOTE: The sound level is measured in an anechoic room where echoes are few, when compressor stops. The sound may be bigger than displayed level under actual installation condition by surrounding echoes. The sound level can be higher by about 2 dB than the displayed level during cooling and heating operation.

SEZ-KD18NA4R1

External static pressure:
0.02[in.WG](5Pa)

<60Hz>

NOTCH	SPL(dB)	LINE
High	37	
Middle	33	
Low	29	

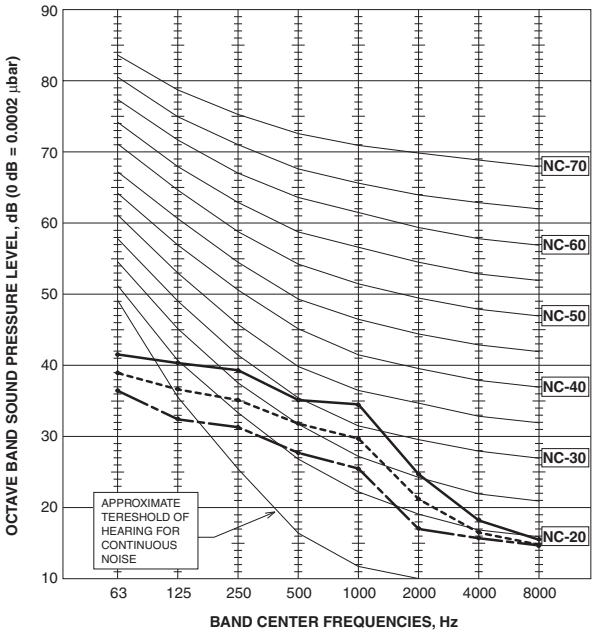


SEZ-KD18NA4R1

External static pressure:
0.06[in.WG](15Pa)

<60Hz>

NOTCH	SPL(dB)	LINE
High	38	
Middle	34	
Low	30	

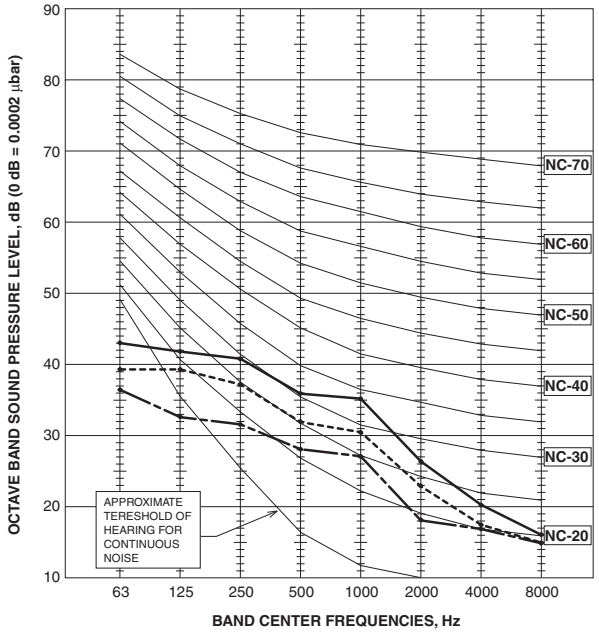


SEZ-KD18NA4R1

External static pressure:
0.14[in.WG](35Pa)

<60Hz>

NOTCH	SPL(dB)	LINE
High	39	
Middle	35	
Low	31	

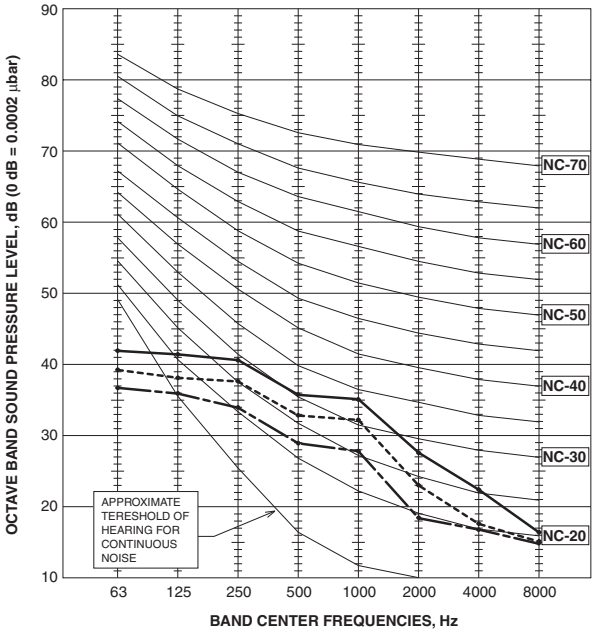


SEZ-KD18NA4R1

External static pressure:
0.20[in.WG](50Pa)

<60Hz>

NOTCH	SPL(dB)	LINE
High	39	
Middle	36	
Low	32	

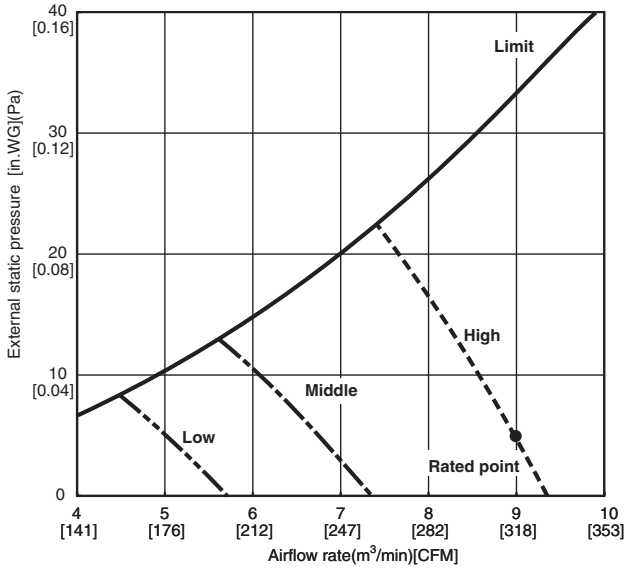


NOTE: The sound level is measured in an anechoic room where echoes are few, when compressor stops. The sound may be bigger than displayed level under actual installation condition by surrounding echoes. The sound level can be higher by about 2 dB than the displayed level during cooling and heating operation.

A.5.7 FAN PERFORMANCE

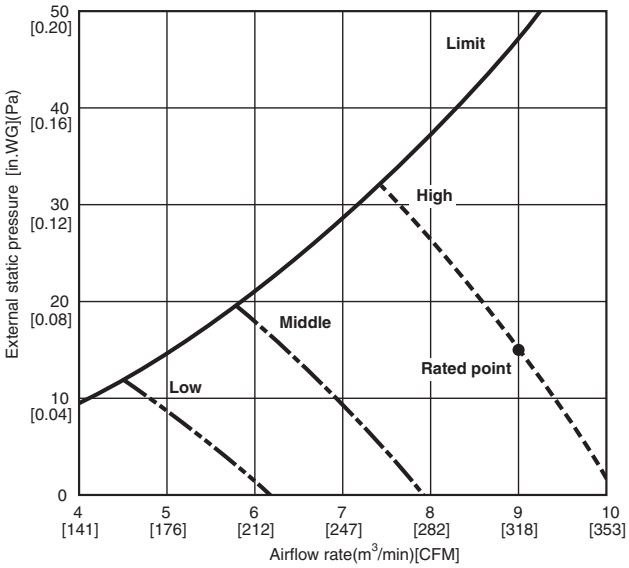
SEZ-KD09NA4

(External static pressure 0.02[in.WG](5Pa)) 208/230V 60Hz



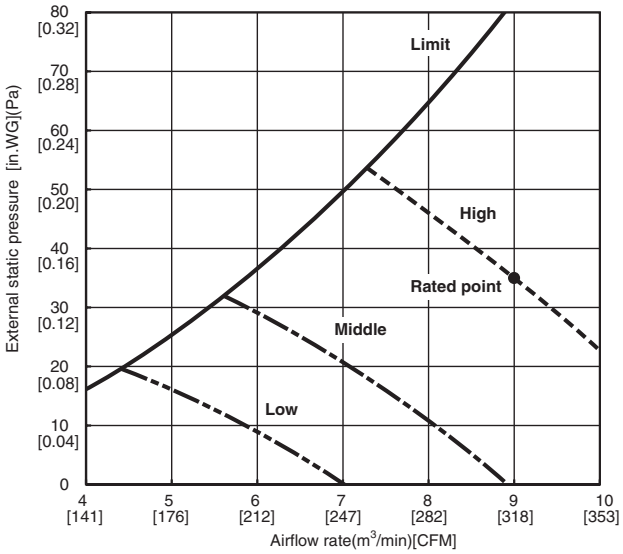
SEZ-KD09NA4

(External static pressure 0.06[in.WG](15Pa)) 208/230V 60Hz



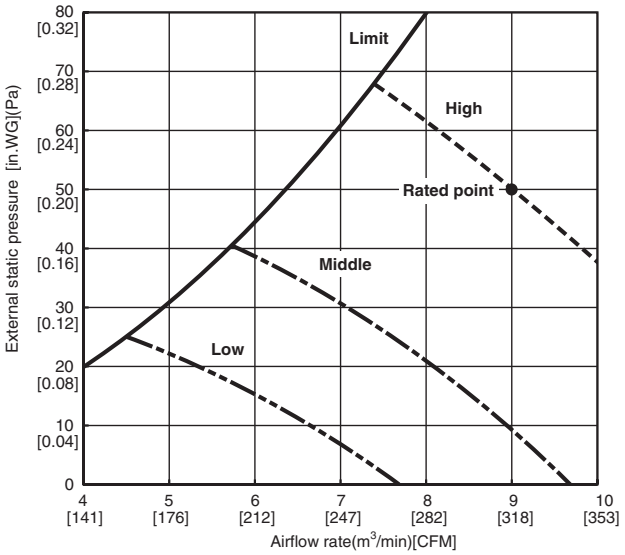
SEZ-KD09NA4

(External static pressure 0.14[in.WG](35Pa)) 208/230V 60Hz



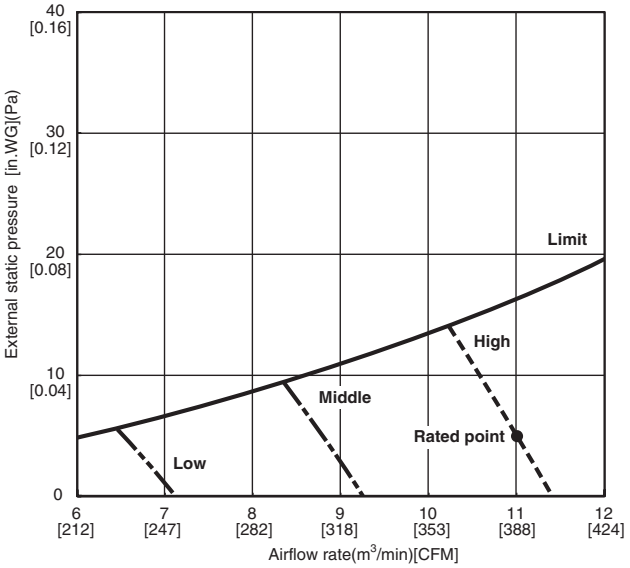
SEZ-KD09NA4

(External static pressure 0.20[in.WG](50Pa)) 208/230V 60Hz



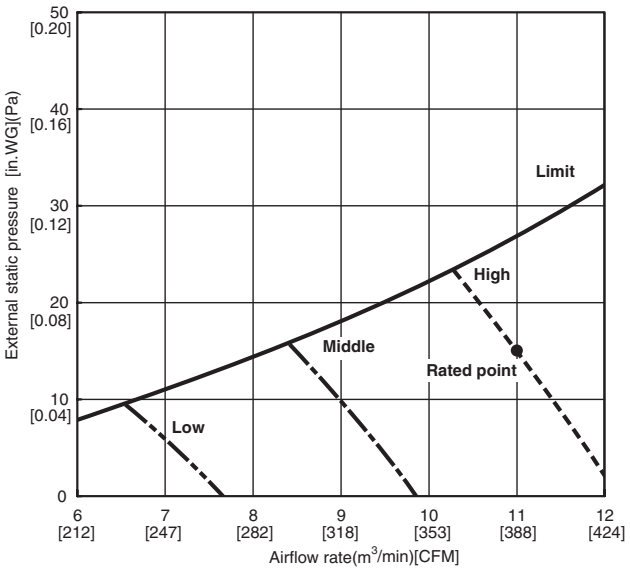
SEZ-KD12NA4

(External static pressure 0.02[in.WG](5Pa)) 208/230V 60Hz



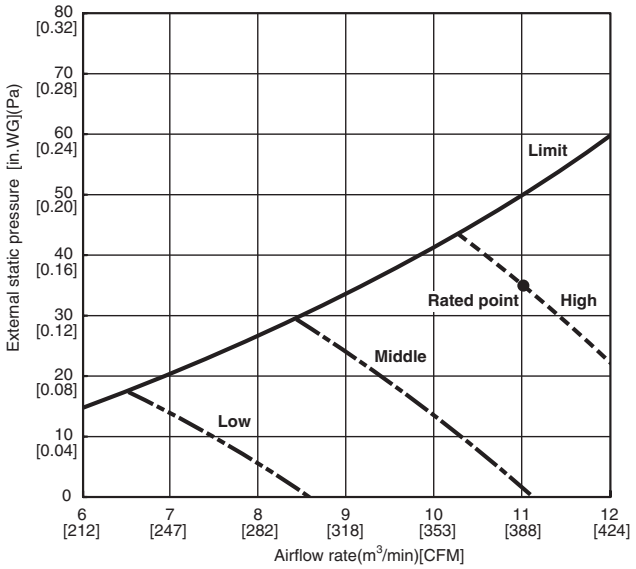
SEZ-KD12NA4

(External static pressure 0.06[in.WG](15Pa)) 208/230V 60Hz



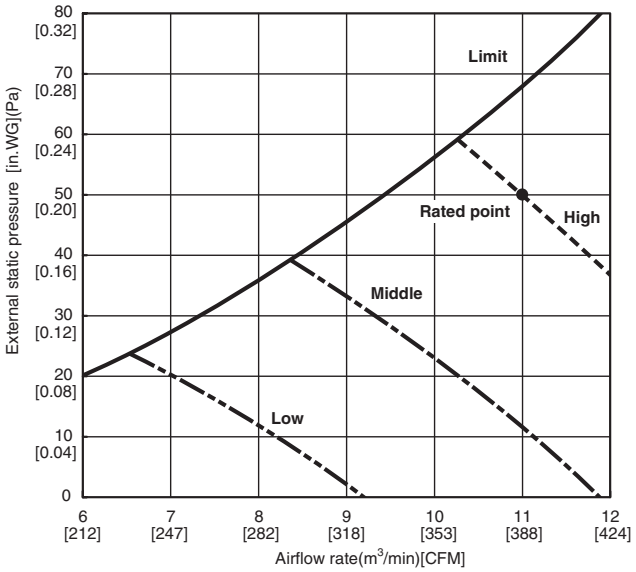
SEZ-KD12NA4

(External static pressure 0.14[in.WG](35Pa)) 208/230V 60Hz



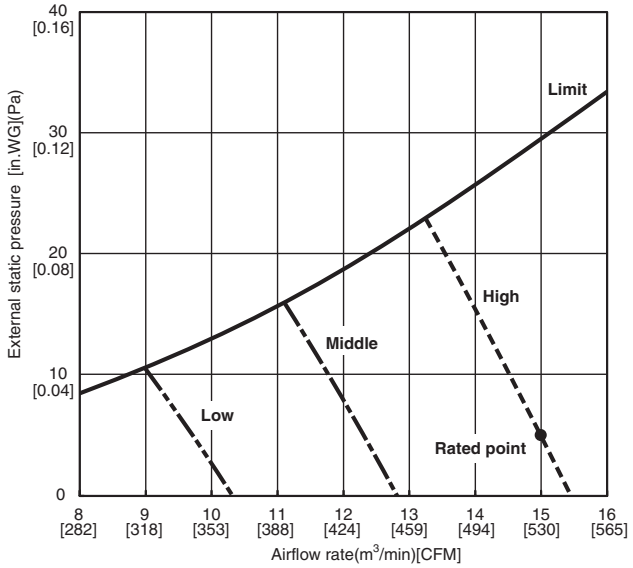
SEZ-KD12NA4

(External static pressure 0.20[in.WG](50Pa)) 208/230V 60Hz



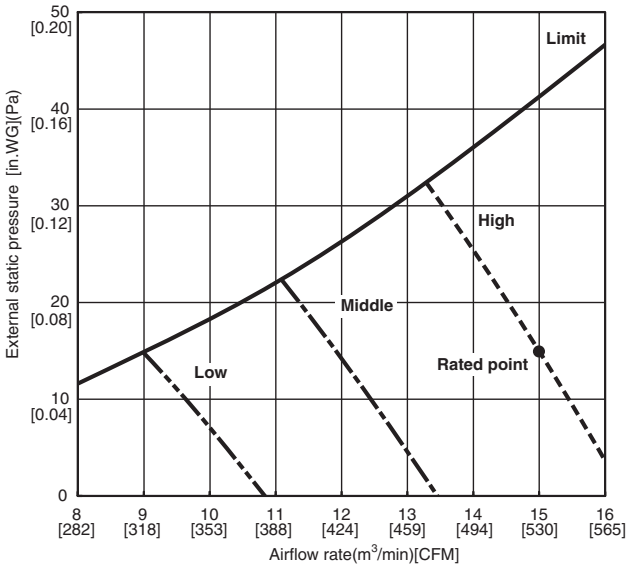
SEZ-KD15NA4

(External static pressure 0.02[in.WG](5Pa)) 208/230V 60Hz



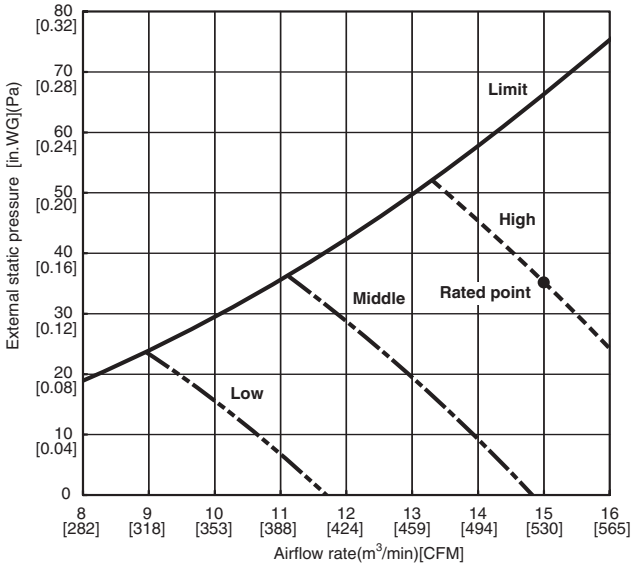
SEZ-KD15NA4

(External static pressure 0.06[in.WG](15Pa)) 208/230V 60Hz



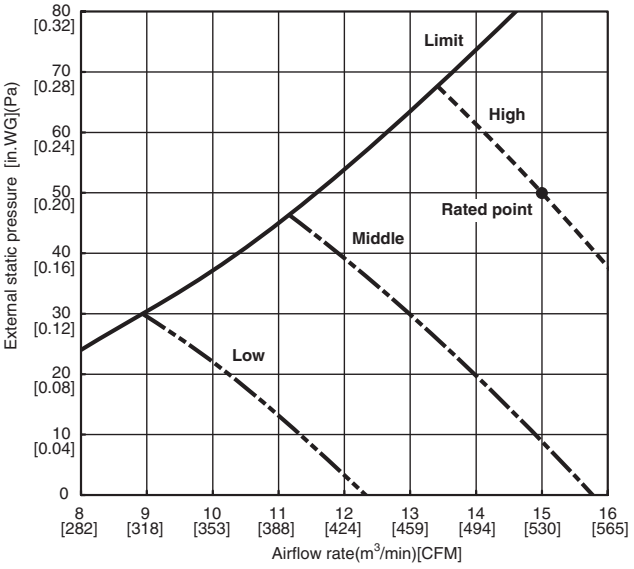
SEZ-KD15NA4

(External static pressure 0.14[in.WG](35Pa)) 208/230V 60Hz



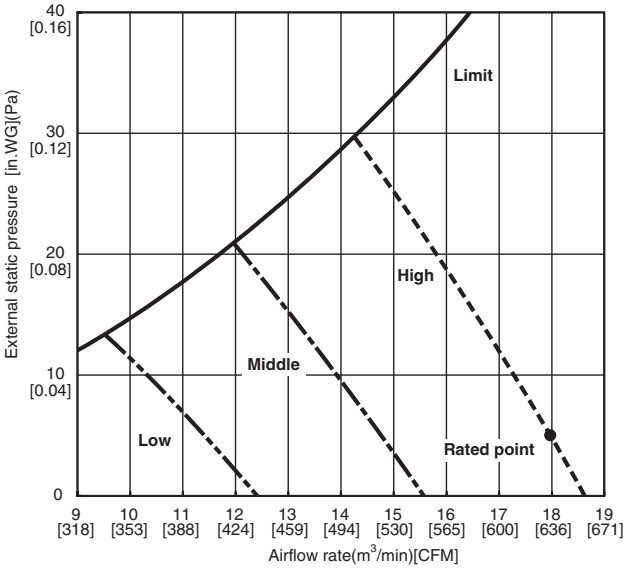
SEZ-KD15NA4

(External static pressure 0.20[in.WG](50Pa)) 208/230V 60Hz



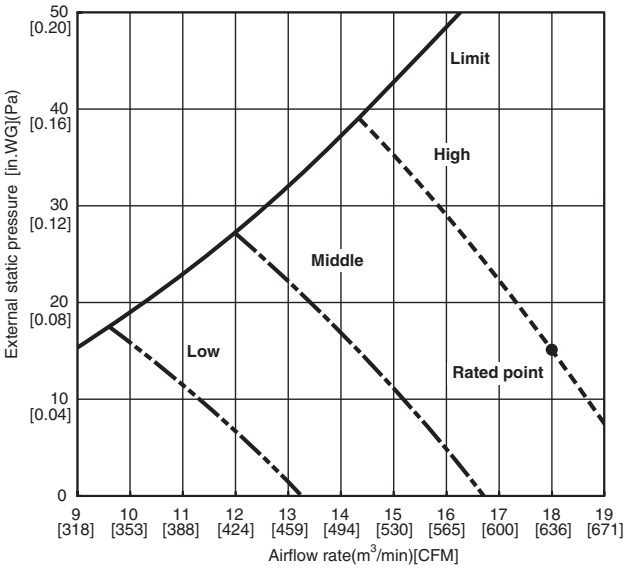
SEZ-KD18NA4

(External static pressure 0.02[in.WG](5Pa)) 208/230V 60Hz



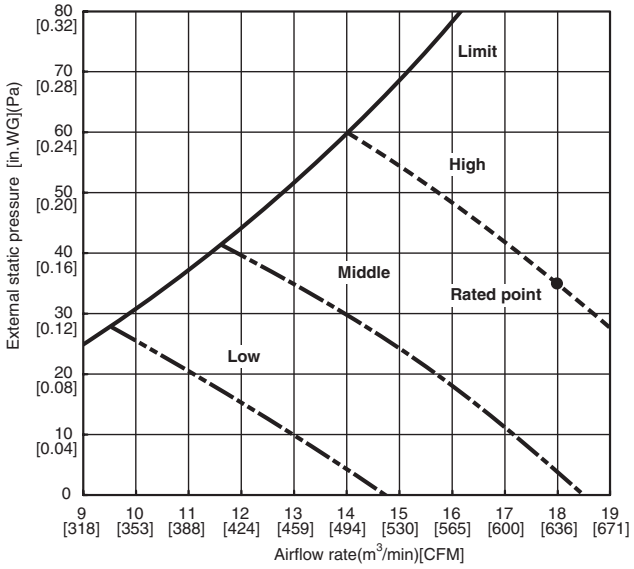
SEZ-KD18NA4

(External static pressure 0.06[in.WG](15Pa)) 208/230V 60Hz



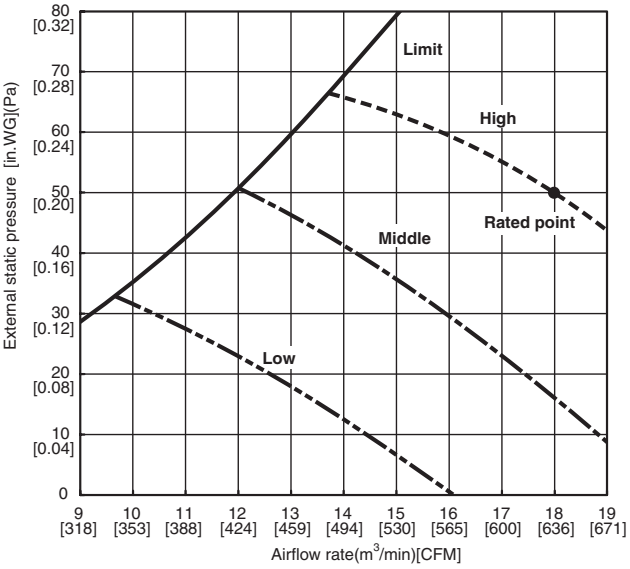
SEZ-KD18NA4

(External static pressure 0.14[in.WG](35Pa)) 208/230V 60Hz

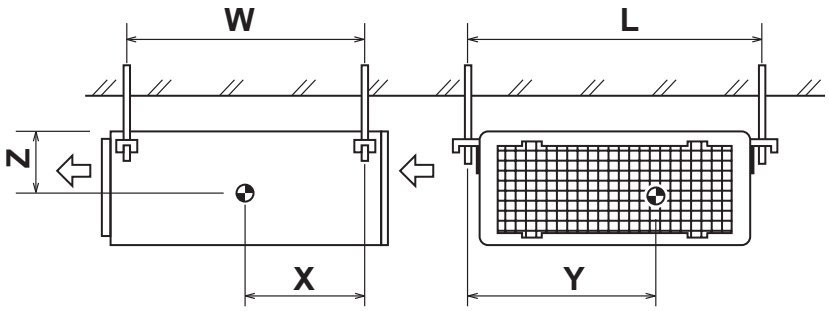


SEZ-KD18NA4

(External static pressure 0.20[in.WG](50Pa)) 208/230V 60Hz



A.5.8 CENTER OF GRAVITY POSITION



Unit: inch(mm)

Model name	W	L	X	Y	Z
SEZ-KD09NA4R1	24-5/8 (625)	29-5/8 (752)	10-3/8 (263)	13-27/32 (351)	4-3/16 (106)
SEZ-KD12NA4R1	24-5/8 (625)	37-1/2 (952)	11-9/32 (286)	17-21/32 (448)	4-1/8 (104)
SEZ-KD15NA4R1	24-5/8 (625)	37-1/2 (952)	11-1/32 (280)	17-7/32 (437)	4-1/8 (104)
SEZ-KD18NA4R1	24-5/8 (625)	45-3/8 (1152)	11-1/4 (285)	20-3/4 (527)	4-1/8 (104)

A.5.9 PART LOAD CAPACITY CHART

SEZ-KD09NA4R1
SUZ-KA09NA2
1) COOLING

Rated
Q(Btu/h): 9,000
W: 700

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
115	46.1	Q(Btu/h)	8,216	8,216	6,162	4,108	-	3,560	7,693	7,693	5,770	3,846	-	3,334	7,021	7,021	5,266	3,510	-	3,042
		W	786	786	590	393	-	258	767	767	575	384	-	252	735	735	551	368	-	242
110	43.3	Q(Btu/h)	8,589	8,589	6,442	4,295	-	3,722	7,992	7,992	5,994	3,996	-	3,463	7,320	7,320	5,490	3,660	-	3,172
		W	774	774	580	387	-	254	754	754	566	377	-	248	719	719	539	360	-	236
105	40.6	Q(Btu/h)	8,963	8,963	6,722	4,481	-	3,884	8,290	8,290	6,218	4,145	-	3,593	7,693	7,693	5,770	3,846	-	3,334
		W	764	764	573	382	-	251	735	735	551	368	-	242	703	703	527	352	-	231
100	37.8	Q(Btu/h)	9,261	9,261	6,946	4,631	-	4,013	8,664	8,664	6,498	4,332	-	3,754	7,992	7,992	5,994	3,996	-	3,463
		W	742	742	556	371	-	244	719	719	539	360	-	236	687	687	515	344	-	226
95	35.0	Q(Btu/h)	9,635	9,635	7,226	4,817	-	4,175	9,000	9,000	6,750	4,500	-	3,900	8,365	8,365	6,274	4,183	-	3,625
		W	729	729	547	364	-	239	700	700	525	350	-	230	671	671	503	336	-	221
90	32.2	Q(Btu/h)	9,934	9,934	7,450	4,967	-	4,305	9,336	9,336	7,002	4,668	-	4,046	8,664	8,664	6,498	4,332	-	3,754
		W	703	703	527	352	-	231	671	671	503	336	-	221	646	646	484	323	-	212
85	29.4	Q(Btu/h)	10,307	10,307	7,730	5,154	-	4,466	9,710	9,710	7,282	4,855	-	4,207	9,037	9,037	6,778	4,519	-	3,916
		W	678	678	508	339	-	223	646	646	484	323	-	212	623	623	467	312	-	205
80	26.7	Q(Btu/h)	10,606	10,606	7,954	5,303	-	4,596	10,008	10,008	7,506	5,004	-	4,337	9,411	9,411	7,058	4,705	-	4,078
		W	652	652	489	326	-	214	617	617	463	308	-	203	598	598	448	299	-	196
75	23.9	Q(Btu/h)	10,979	10,979	8,234	5,490	-	4,758	10,307	10,307	7,730	5,154	-	4,466	9,747	9,747	7,310	4,873	-	4,224
		W	623	623	467	312	-	205	588	588	441	294	-	193	575	575	431	287	-	189
70	21.1	Q(Btu/h)	11,241	11,241	8,430	5,620	-	4,871	10,531	10,531	7,898	5,266	-	4,563	10,083	10,083	7,562	5,041	-	4,369
		W	591	591	443	296	-	194	563	563	422	281	-	185	540	540	405	270	-	177
67	19.4	Q(Btu/h)	11,353	11,353	8,515	5,676	-	4,920	10,755	10,755	8,066	5,378	-	4,661	10,307	10,307	7,730	5,154	-	4,466
		W	563	563	422	281	-	185	540	540	405	270	-	177	511	511	384	256	-	168

* It may not reach the above capacities in low ambient temperatures.

2) HEATING

Rated
Q(Btu/h): 12,000
W: 1,100

Indoor D.B.			77°F / 25.0°C						68°F / 20.0°C						59°F / 15.0°C					
Outdoor W.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
65	18.3	Q(Btu/h)	16,109	15,102	11,327	7,551	-	5,286	16,790	15,741	11,806	7,871	-	5,509	17,362	15,840	11,880	7,920	-	5,544
		W	1,428	1,267	950	633	-	299	1,384	1,228	921	614	-	290	1,345	1,150	862	575	-	272
60	15.6	Q(Btu/h)	15,279	14,324	10,743	7,162	-	5,013	15,929	14,934	11,200	7,467	-	5,227	16,441	15,300	11,475	7,650	-	5,355
		W	1,412	1,252	939	626	-	296	1,364	1,210	908	605	-	286	1,329	1,139	854	569	-	269
55	12.8	Q(Btu/h)	14,424	13,522	10,142	6,761	-	4,733	15,053	14,112	10,584	7,056	-	4,939	15,521	14,760	11,070	7,380	-	5,166
		W	1,388	1,231	923	616	-	291	1,338	1,187	890	593	-	280	1,302	1,128	846	564	-	267
50	10.0	Q(Btu/h)	13,547	12,701	9,525	6,350	-	4,445	14,164	13,279	9,959	6,639	-	4,648	14,603	14,160	10,620	7,080	-	4,956
		W	1,358	1,204	903	602	-	285	1,305	1,157	868	579	-	274	1,267	1,117	837	558	-	264
45	7.2	Q(Btu/h)	12,652	11,861	8,896	5,930	-	4,151	13,265	12,436	9,327	6,218	-	4,353	13,687	13,560	10,170	6,780	-	4,746
		W	1,320	1,171	878	585	-	277	1,265	1,122	842	561	-	265	1,223	1,100	825	550	-	260
40	4.4	Q(Btu/h)	11,740	11,006	8,255	5,503	-	3,852	12,359	11,587	8,690	5,793	-	4,055	12,773	13,200	9,900	6,600	-	4,620
		W	1,276	1,132	849	566	-	267	1,219	1,081	811	541	-	256	1,171	1,089	817	545	-	257
35	1.7	Q(Btu/h)	10,815	10,139	7,604	5,070	-	3,549	11,448	10,732	8,049	5,366	-	3,756	11,863	12,480	9,360	6,240	-	4,368
		W	1,224	1,086	814	543	-	257	1,166	1,034	776	517	-	244	1,112	1,067	800	534	-	252
30	-1.1	Q(Btu/h)	9,880	9,263	6,947	4,631	-	3,242	10,534	9,876	7,407	4,938	-	3,457	10,955	11,460	8,595	5,730	-	4,011
		W	1,166	1,034	776	517	-	244	1,107	982	736	491	-	232	1,046	1,018	763	509	-	241
25	-3.9	Q(Btu/h)	8,938	8,379	6,284	4,190	-	2,933	9,621	9,019	6,765	4,510	-	3,157	10,051	10,980	8,235	5,490	-	3,843
		W	1,100	976	732	488	-	231	1,041	923	692	462	-	218	976	990	743	495	-	234
20	-6.7	Q(Btu/h)	7,991	7,492	5,619	3,746	-	2,622	8,710	8,166	6,124	4,083	-	2,858	9,150	10,200	7,650	5,100	-	3,570
		W	1,028	912	684	456	-	216	968	859	644	429	-	203	900	930	697	465	-	220
15	-9.4	Q(Btu/h)	7,043	6,603	4,952	3,301	-	2,311	7,804	7,317	5,487	3,658	-	2,561	8,253	9,360	7,020	4,680	-	3,276
		W	949	842	631	421	-	199	889	789	592	394	-	186	821	869	652	435	-	205
10	-12.2	Q(Btu/h)	6,096	5,715	4,286	2,857	-	2,000	6,907	6,475	4,856	3,237	-	2,266	7,360	8,520	6,390	4,260	-	2,982
		W	863	765	574	383	-	181	804	713	535	356	-	168	738	792	594	396	-	187
5	-15.0	Q(Btu/h)	5,153	4,831	3,623	2,416	-	1,691	6,019	5,643	4,232	2,821	-	1,975	6,471	7,500	5,625	3,750	-	2,625
		W	770	683	512	341	-	161	711	631	473	315	-	149	653	704	528	352	-	166
0	-17.8	Q(Btu/h)	4,218	3,954	2,966	1,977	-	1,384	5,145	4,823	3,617	2,412	-	1,688	5,588	6,000	4,500	3,000	-	2,100
		W	669	594	445	297	-	140	613	543	408	272	-	128	565	583	437	292	-	138
-4	-20.0	Q(Btu/h)	3,476	3,259	2,444	1,630	-	1,141	4,456	4,177	3,133	2,089	-	1,462	4,884	6,000	4,500	3,000	-	2,100
		W	584	518	389	259	-	123	529	469	352	235	-	111	495	583	437	292	-	138

* Above data is for heating operation without any frost.

SEZ-KD12NA4R1
SUZ-KA12NA2

1) COOLING

Rated
Q(Btu/h): 12,000
W: 930

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
115	46.1	Q(Btu/h)	10,954	10,954	8,216	5,477	-	3,651	10,257	10,257	7,693	5,129	-	3,419	9,361	9,361	7,021	4,680	-	3,120
		W	1,045	1,045	783	522	-	270	1,019	1,019	764	510	-	263	977	977	733	488	-	252
110	43.3	Q(Btu/h)	11,452	11,452	8,589	5,726	-	3,817	10,656	10,656	7,992	5,328	-	3,552	9,759	9,759	7,320	4,880	-	3,253
		W	1,028	1,028	771	514	-	265	1,002	1,002	752	501	-	259	955	955	717	478	-	247
105	40.6	Q(Btu/h)	11,950	11,950	8,963	5,975	-	3,983	11,054	11,054	8,290	5,527	-	3,685	10,257	10,257	7,693	5,129	-	3,419
		W	1,015	1,015	761	507	-	262	977	977	733	488	-	252	934	934	701	467	-	241
100	37.8	Q(Btu/h)	12,349	12,349	9,261	6,174	-	4,116	11,552	11,552	8,664	5,776	-	3,851	10,656	10,656	7,992	5,328	-	3,552
		W	985	985	739	493	-	254	955	955	717	478	-	247	913	913	685	457	-	236
95	35.0	Q(Btu/h)	12,846	12,846	9,635	6,423	-	4,282	12,000	12,000	9,000	6,000	-	4,000	11,154	11,154	8,365	5,577	-	3,718
		W	968	968	726	484	-	250	930	930	698	465	-	240	892	892	669	446	-	230
90	32.2	Q(Btu/h)	13,245	13,245	9,934	6,622	-	4,415	12,448	12,448	9,336	6,224	-	4,149	11,552	11,552	8,664	5,776	-	3,851
		W	934	934	701	467	-	241	892	892	669	446	-	230	858	858	643	429	-	221
85	29.4	Q(Btu/h)	13,743	13,743	10,307	6,871	-	4,581	12,946	12,946	9,710	6,473	-	4,315	12,050	12,050	9,037	6,025	-	4,017
		W	900	900	675	450	-	232	858	858	643	429	-	221	828	828	621	414	-	214
80	26.7	Q(Btu/h)	14,141	14,141	10,606	7,071	-	4,714	13,344	13,344	10,008	6,672	-	4,448	12,548	12,548	9,411	6,274	-	4,183
		W	866	866	650	433	-	224	820	820	615	410	-	212	794	794	596	397	-	205
75	23.9	Q(Btu/h)	14,639	14,639	10,979	7,320	-	4,880	13,743	13,743	10,307	6,871	-	4,581	12,996	12,996	9,747	6,498	-	4,332
		W	828	828	621	414	-	214	781	781	586	391	-	202	764	764	573	382	-	197
70	21.1	Q(Btu/h)	14,988	14,988	11,241	7,494	-	4,996	14,041	14,041	10,531	7,021	-	4,680	13,444	13,444	10,083	6,722	-	4,481
		W	786	786	589	393	-	203	747	747	561	374	-	193	718	718	538	359	-	185
67	19.4	Q(Btu/h)	15,137	15,137	11,353	7,568	-	5,046	14,340	14,340	10,755	7,170	-	4,780	13,743	13,743	10,307	6,871	-	4,581
		W	747	747	561	374	-	193	718	718	538	359	-	185	679	679	510	340	-	175

* It may not reach the above capacities in low ambient temperatures.

2) HEATING

Rated
Q(Btu/h): 15,000
W: 1,330

Indoor D.B.			77°F / 25.0°C						68°F / 20.0°C						59°F / 15.0°C					
Outdoor W.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
65	18.3	Q(Btu/h)	21,143	18,878	14,158	9,439	-	6,041	22,038	19,676	14,757	9,838	-	6,296	22,788	19,800	14,850	9,900	-	6,336
		W	1,946	1,532	1,149	766	-	299	1,886	1,485	1,113	742	-	290	1,834	1,390	1,042	695	-	272
60	15.6	Q(Btu/h)	20,053	17,905	13,429	8,952	-	5,730	20,907	18,667	14,000	9,334	-	5,973	21,578	19,125	14,344	9,563	-	6,120
		W	1,924	1,514	1,136	757	-	296	1,859	1,463	1,097	732	-	286	1,811	1,377	1,032	688	-	269
55	12.8	Q(Btu/h)	18,931	16,903	12,677	8,452	-	5,409	19,757	17,640	13,230	8,820	-	5,645	20,371	18,450	13,838	9,225	-	5,904
		W	1,892	1,489	1,117	744	-	291	1,823	1,435	1,076	717	-	280	1,775	1,363	1,022	682	-	267
50	10.0	Q(Btu/h)	17,781	15,876	11,907	7,938	-	5,080	18,591	16,599	12,449	8,299	-	5,312	19,166	17,700	13,275	8,850	-	5,664
		W	1,850	1,456	1,092	728	-	285	1,778	1,399	1,050	700	-	274	1,726	1,350	1,012	675	-	264
45	7.2	Q(Btu/h)	16,605	14,826	11,120	7,413	-	4,744	17,411	15,545	11,659	7,773	-	4,975	17,964	16,950	12,713	8,475	-	5,424
		W	1,799	1,416	1,062	708	-	277	1,724	1,357	1,018	678	-	265	1,666	1,330	998	665	-	260
40	4.4	Q(Btu/h)	15,409	13,758	10,318	6,879	-	4,403	16,221	14,483	10,862	7,242	-	4,635	16,765	16,500	12,375	8,250	-	5,280
		W	1,738	1,368	1,026	684	-	267	1,661	1,307	980	654	-	256	1,595	1,317	988	658	-	257
35	1.7	Q(Btu/h)	14,195	12,674	9,506	6,337	-	4,056	15,025	13,415	10,062	6,708	-	4,293	15,570	15,600	11,700	7,800	-	4,992
		W	1,668	1,313	985	657	-	257	1,589	1,251	938	625	-	244	1,515	1,290	968	645	-	252
30	-1.1	Q(Btu/h)	12,968	11,578	8,684	5,789	-	3,705	13,826	12,345	9,259	6,172	-	3,950	14,378	14,325	10,744	7,163	-	4,584
		W	1,589	1,250	938	625	-	244	1,508	1,187	890	593	-	232	1,426	1,230	923	615	-	241
25	-3.9	Q(Btu/h)	11,731	10,474	7,856	5,237	-	3,352	12,627	11,274	8,456	5,637	-	3,608	13,191	13,725	10,294	6,863	-	4,392
		W	1,500	1,180	885	590	-	231	1,418	1,116	837	558	-	218	1,330	1,197	898	599	-	234
20	-6.7	Q(Btu/h)	10,488	9,365	7,023	4,682	-	2,997	11,432	10,207	7,655	5,103	-	3,266	12,009	12,750	9,563	6,375	-	4,080
		W	1,401	1,103	827	551	-	216	1,320	1,038	779	519	-	203	1,227	1,124	843	562	-	220
15	-9.4	Q(Btu/h)	9,244	8,253	6,190	4,127	-	2,641	10,243	9,146	6,859	4,573	-	2,927	10,832	11,700	8,775	5,850	-	3,744
		W	1,293	1,018	763	509	-	199	1,212	954	715	477	-	186	1,119	1,051	788	525	-	205
10	-12.2	Q(Btu/h)	8,001	7,144	5,358	3,572	-	2,286	9,065	8,094	6,070	4,047	-	2,590	9,660	10,650	7,988	5,325	-	3,408
		W	1,176	925	694	463	-	181	1,095	862	646	431	-	168	1,006	958	718	479	-	187
5	-15.0	Q(Btu/h)	6,764	6,039	4,529	3,019	-	1,932	7,900	7,054	5,290	3,527	-	2,257	8,494	9,375	7,031	4,688	-	3,000
		W	1,049	825	619	413	-	161	969	763	572	381	-	149	889	851	638	426	-	166
0	-17.8	Q(Btu/h)	5,536	4,943	3,707	2,471	-	1,582	6,752	6,029	4,522	3,014	-	1,929	7,334	7,500	5,625	3,750	-	2,400
		W	912	718	538	359	-	140	835	657	493	328	-	128	771	705	529	352	-	138
-4	-20.0	Q(Btu/h)	4,563	4,074	3,055	2,037	-	1,304	5,848	5,222	3,916	2,611	-	1,671	6,411	7,500	5,625	3,750	-	2,400
		W	796	627	470	313	-	123	721	567	425	284	-	111	674	705	529	352	-	138

* Above data is for heating operation without any frost.

SEZ-KD15NA4R1
SUZ-KA15NA2

1) COOLING

Rated
Q(Btu/h): 15,000
W: 1,150

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
115	46.1	Q(Btu/h)	13,693	13,693	10,270	6,846	-	4,747	12,822	12,822	9,616	6,411	-	4,445	11,701	11,701	8,776	5,851	-	4,056
		W	1,292	1,292	969	646	-	359	1,260	1,260	945	630	-	351	1,208	1,208	906	604	-	336
110	43.3	Q(Btu/h)	14,315	14,315	10,737	7,158	-	4,963	13,320	13,320	9,990	6,660	-	4,617	12,199	12,199	9,149	6,100	-	4,229
		W	1,271	1,271	953	635	-	354	1,239	1,239	929	620	-	345	1,182	1,182	886	591	-	329
105	40.6	Q(Btu/h)	14,938	14,938	11,203	7,469	-	5,178	13,817	13,817	10,363	6,909	-	4,790	12,822	12,822	9,616	6,411	-	4,445
		W	1,255	1,255	941	628	-	349	1,208	1,208	906	604	-	336	1,155	1,155	866	578	-	321
100	37.8	Q(Btu/h)	15,436	15,436	11,577	7,718	-	5,351	14,440	14,440	10,830	7,220	-	5,006	13,320	13,320	9,990	6,660	-	4,617
		W	1,218	1,218	914	609	-	339	1,182	1,182	886	591	-	329	1,129	1,129	847	564	-	314
95	35.0	Q(Btu/h)	16,058	16,058	12,044	8,029	-	5,567	15,000	15,000	11,250	7,500	-	5,200	13,942	13,942	10,456	6,971	-	4,833
		W	1,197	1,197	898	599	-	333	1,150	1,150	863	575	-	320	1,103	1,103	827	551	-	307
90	32.2	Q(Btu/h)	16,556	16,556	12,417	8,278	-	5,739	15,560	15,560	11,670	7,780	-	5,394	14,440	14,440	10,830	7,220	-	5,006
		W	1,155	1,155	866	578	-	321	1,103	1,103	827	551	-	307	1,061	1,061	796	530	-	295
85	29.4	Q(Btu/h)	17,178	17,178	12,884	8,589	-	5,955	16,183	16,183	12,137	8,091	-	5,610	15,062	15,062	11,297	7,531	-	5,222
		W	1,113	1,113	835	557	-	310	1,061	1,061	796	530	-	295	1,024	1,024	768	512	-	285
80	26.7	Q(Btu/h)	17,676	17,676	13,257	8,838	-	6,128	16,680	16,680	12,510	8,340	-	5,783	15,685	15,685	11,763	7,842	-	5,437
		W	1,071	1,071	803	536	-	298	1,013	1,013	760	507	-	282	982	982	736	491	-	273
75	23.9	Q(Btu/h)	18,299	18,299	13,724	9,149	-	6,344	17,178	17,178	12,884	8,589	-	5,955	16,245	16,245	12,184	8,122	-	5,632
		W	1,024	1,024	768	512	-	285	966	966	725	483	-	269	944	944	708	472	-	263
70	21.1	Q(Btu/h)	18,734	18,734	14,051	9,367	-	6,495	17,552	17,552	13,164	8,776	-	6,085	16,805	16,805	12,604	8,402	-	5,826
		W	971	971	729	486	-	270	924	924	693	462	-	257	887	887	666	444	-	247
67	19.4	Q(Btu/h)	18,921	18,921	14,191	9,461	-	6,559	17,925	17,925	13,444	8,963	-	6,214	17,178	17,178	12,884	8,589	-	5,955
		W	924	924	693	462	-	257	887	887	666	444	-	247	840	840	630	420	-	234

* It may not reach the above capacities in low ambient temperatures.

2) HEATING

Rated
Q(Btu/h): 18,000
W: 1,440

Indoor D.B.			77°F / 25.0°C						68°F / 20.0°C						59°F / 15.0°C					
Outdoor W.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
65	18.3	Q(Btu/h)	27,184	22,653	16,990	11,327	-	6,293	28,334	23,612	17,709	11,806	-	6,559	29,298	23,760	17,820	11,880	-	6,600
		W	2,303	1,659	1,244	829	-	334	2,232	1,607	1,206	804	-	324	2,170	1,505	1,129	752	-	303
60	15.6	Q(Btu/h)	25,783	21,486	16,114	10,743	-	5,968	26,881	22,401	16,800	11,200	-	6,222	27,743	22,950	17,213	11,475	-	6,375
		W	2,277	1,639	1,229	820	-	330	2,200	1,584	1,188	792	-	319	2,143	1,490	1,118	745	-	300
55	12.8	Q(Btu/h)	24,340	20,284	15,213	10,142	-	5,634	25,402	21,168	15,876	10,584	-	5,880	26,191	22,140	16,605	11,070	-	6,150
		W	2,239	1,612	1,209	806	-	325	2,158	1,553	1,165	777	-	313	2,101	1,476	1,107	738	-	297
50	10.0	Q(Btu/h)	22,861	19,051	14,288	9,525	-	5,292	23,902	19,918	14,939	9,959	-	5,533	24,642	21,240	15,930	10,620	-	5,900
		W	2,190	1,576	1,182	788	-	317	2,104	1,515	1,136	758	-	305	2,043	1,462	1,096	731	-	294
45	7.2	Q(Btu/h)	21,350	17,791	13,344	8,896	-	4,942	22,385	18,654	13,991	9,327	-	5,182	23,096	20,340	15,255	10,170	-	5,650
		W	2,129	1,533	1,150	766	-	309	2,040	1,469	1,102	735	-	296	1,972	1,440	1,080	720	-	290
40	4.4	Q(Btu/h)	19,811	16,509	12,382	8,255	-	4,586	20,856	17,380	13,035	8,690	-	4,828	21,555	19,800	14,850	9,900	-	5,500
		W	2,057	1,481	1,111	741	-	298	1,966	1,415	1,062	708	-	285	1,888	1,426	1,069	713	-	287
35	1.7	Q(Btu/h)	18,251	15,209	11,407	7,604	-	4,225	19,318	16,099	12,074	8,049	-	4,472	20,018	18,720	14,040	9,360	-	5,200
		W	1,974	1,422	1,066	711	-	286	1,881	1,354	1,016	677	-	273	1,793	1,397	1,048	698	-	281
30	-1.1	Q(Btu/h)	16,673	13,894	10,421	6,947	-	3,859	17,776	14,814	11,110	7,407	-	4,115	18,486	17,190	12,893	8,595	-	4,775
		W	1,880	1,354	1,015	677	-	273	1,785	1,285	964	643	-	259	1,688	1,332	999	666	-	268
25	-3.9	Q(Btu/h)	15,083	12,569	9,427	6,284	-	3,491	16,235	13,529	10,147	6,765	-	3,758	16,960	16,470	12,353	8,235	-	4,575
		W	1,775	1,278	958	639	-	257	1,679	1,209	906	604	-	243	1,574	1,296	972	648	-	261
20	-6.7	Q(Btu/h)	13,485	11,238	8,428	5,619	-	3,122	14,698	12,248	9,186	6,124	-	3,402	15,440	15,300	11,475	7,650	-	4,250
		W	1,658	1,194	896	597	-	240	1,562	1,124	843	562	-	226	1,452	1,217	913	608	-	245
15	-9.4	Q(Btu/h)	11,885	9,904	7,428	4,952	-	2,751	13,170	10,975	8,231	5,487	-	3,049	13,927	14,040	10,530	7,020	-	3,900
		W	1,531	1,102	826	551	-	222	1,434	1,033	774	516	-	208	1,324	1,138	853	569	-	229
10	-12.2	Q(Btu/h)	10,287	8,572	6,429	4,286	-	2,381	11,655	9,712	7,284	4,856	-	2,698	12,420	12,780	9,585	6,390	-	3,550
		W	1,391	1,002	751	501	-	202	1,296	933	700	467	-	188	1,190	1,037	778	518	-	209
5	-15.0	Q(Btu/h)	8,696	7,247	5,435	3,623	-	2,013	10,157	8,464	6,348	4,232	-	2,351	10,921	11,250	8,438	5,625	-	3,125
		W	1,241	894	670	447	-	180	1,147	826	620	413	-	166	1,053	922	691	461	-	186
0	-17.8	Q(Btu/h)	7,117	5,931	4,448	2,966	-	1,648	8,681	7,235	5,426	3,617	-	2,010	9,429	9,000	6,750	4,500	-	2,500
		W	1,080	777	583	389	-	157	988	711	533	356	-	143	912	763	572	382	-	154
-4	-20.0	Q(Btu/h)	5,866	4,889	3,666	2,444	-	1,358	7,519	6,266	4,700	3,133	-	1,741	8,242	9,000	6,750	4,500	-	2,500
		W	942	678	509	339	-	137	853	614	461	307	-	124	798	763	572	382	-	154

* Above data is for heating operation without any frost.

SEZ-KD18NA4R1
SUZ-KA18NA2
1) COOLING

Rated
Q(Btu/h): 18,000
W: 1,310

Indoor W.B. / Outdoor D.B. (°F)	(°C)		71°F / 21.7°C Max	Rated	75%	50%	25%	Min	67°F / 19.4°C Max	Rated	75%	50%	25%	Min	63°F / 17.2°C Max	Rated	75%	50%	25%	Min
115	46.1	Q(Btu/h)	16,432	16,432	12,324	8,216	-	5,568	15,386	15,386	11,539	7,693	-	5,214	14,041	14,041	10,531	7,021	-	4,759
		W	1,472	1,472	1,104	736	-	359	1,436	1,436	1,077	718	-	351	1,376	1,376	1,032	688	-	336
110	43.3	Q(Btu/h)	17,178	17,178	12,884	8,589	-	5,822	15,983	15,983	11,988	7,992	-	5,417	14,639	14,639	10,979	7,320	-	4,961
		W	1,448	1,448	1,086	724	-	354	1,412	1,412	1,059	706	-	345	1,346	1,346	1,009	673	-	329
105	40.6	Q(Btu/h)	17,925	17,925	13,444	8,963	-	6,075	16,581	16,581	12,436	8,290	-	5,619	15,386	15,386	11,539	7,693	-	5,214
		W	1,430	1,430	1,072	715	-	349	1,376	1,376	1,032	688	-	336	1,316	1,316	987	658	-	321
100	37.8	Q(Btu/h)	18,523	18,523	13,892	9,261	-	6,277	17,328	17,328	12,996	8,664	-	5,872	15,983	15,983	11,988	7,992	-	5,417
		W	1,388	1,388	1,041	694	-	339	1,346	1,346	1,009	673	-	329	1,286	1,286	965	643	-	314
95	35.0	Q(Btu/h)	19,270	19,270	14,452	9,635	-	6,530	18,000	18,000	13,500	9,000	-	6,100	16,730	16,730	12,548	8,365	-	5,670
		W	1,364	1,364	1,023	682	-	333	1,310	1,310	983	655	-	320	1,256	1,256	942	628	-	307
90	32.2	Q(Btu/h)	19,867	19,867	14,900	9,934	-	6,733	18,672	18,672	14,004	9,336	-	6,328	17,328	17,328	12,996	8,664	-	5,872
		W	1,316	1,316	987	658	-	321	1,256	1,256	942	628	-	307	1,208	1,208	906	604	-	295
85	29.4	Q(Btu/h)	20,614	20,614	15,461	10,307	-	6,986	19,419	19,419	14,564	9,710	-	6,581	18,075	18,075	13,556	9,037	-	6,125
		W	1,268	1,268	951	634	-	310	1,208	1,208	906	604	-	295	1,166	1,166	875	583	-	285
80	26.7	Q(Btu/h)	21,212	21,212	15,909	10,606	-	7,188	20,017	20,017	15,012	10,008	-	6,783	18,822	18,822	14,116	9,411	-	6,378
		W	1,220	1,220	915	610	-	298	1,154	1,154	866	577	-	282	1,119	1,119	839	559	-	273
75	23.9	Q(Btu/h)	21,959	21,959	16,469	10,979	-	7,441	20,614	20,614	15,461	10,307	-	6,986	19,494	19,494	14,620	9,747	-	6,606
		W	1,166	1,166	875	583	-	285	1,101	1,101	825	550	-	269	1,076	1,076	807	538	-	263
70	21.1	Q(Btu/h)	22,481	22,481	16,861	11,241	-	7,619	21,062	21,062	15,797	10,531	-	7,138	20,166	20,166	15,124	10,083	-	6,834
		W	1,107	1,107	830	553	-	270	1,053	1,053	790	526	-	257	1,011	1,011	758	505	-	247
67	19.4	Q(Btu/h)	22,705	22,705	17,029	11,353	-	7,695	21,510	21,510	16,133	10,755	-	7,290	20,614	20,614	15,461	10,307	-	6,986
		W	1,053	1,053	790	526	-	257	1,011	1,011	758	505	-	247	957	957	718	479	-	234

* It may not reach the above capacities in low ambient temperatures.

Rated
Q(Btu/h): 21,600
W: 1,580

2) HEATING

Indoor D.B. / Outdoor W.B. (°F)	(°C)		77°F / 25.0°C Max	Rated	75%	50%	25%	Min	68°F / 20.0°C Max	Rated	75%	50%	25%	Min	59°F / 15.0°C Max	Rated	75%	50%	25%	Min
65	18.3	Q(Btu/h)	32,218	27,184	20,388	13,592	-	10,194	33,581	28,334	21,250	14,167	-	10,625	34,724	28,512	21,384	14,256	-	10,692
		W	2,442	1,820	1,365	910	-	495	2,366	1,764	1,323	882	-	480	2,300	1,651	1,238	826	-	449
60	15.6	Q(Btu/h)	30,558	25,783	19,337	12,891	-	9,669	31,859	26,881	20,161	13,440	-	10,080	32,881	27,540	20,655	13,770	-	10,328
		W	2,413	1,799	1,349	899	-	489	2,332	1,738	1,304	869	-	473	2,272	1,635	1,226	818	-	445
55	12.8	Q(Btu/h)	28,848	24,340	18,255	12,170	-	9,128	30,106	25,402	19,052	12,701	-	9,526	31,041	26,568	19,926	13,284	-	9,963
		W	2,373	1,769	1,326	884	-	481	2,287	1,705	1,278	852	-	464	2,227	1,620	1,215	810	-	441
50	10.0	Q(Btu/h)	27,095	22,861	17,146	11,431	-	8,573	28,329	23,902	17,927	11,951	-	8,963	29,205	25,488	19,116	12,744	-	9,558
		W	2,321	1,730	1,297	865	-	471	2,231	1,662	1,247	831	-	452	2,166	1,604	1,203	802	-	436
45	7.2	Q(Btu/h)	25,303	21,350	16,012	10,675	-	8,006	26,531	22,385	16,789	11,193	-	8,395	27,373	24,408	18,306	12,204	-	9,153
		W	2,257	1,682	1,261	841	-	458	2,163	1,612	1,209	806	-	439	2,090	1,580	1,185	790	-	430
40	4.4	Q(Btu/h)	23,480	19,811	14,859	9,906	-	7,429	24,718	20,856	15,642	10,428	-	7,821	25,546	23,760	17,820	11,880	-	8,910
		W	2,181	1,625	1,219	813	-	442	2,084	1,553	1,165	776	-	423	2,001	1,564	1,173	782	-	426
35	1.7	Q(Btu/h)	21,631	18,251	13,688	9,125	-	6,844	22,896	19,318	14,489	9,659	-	7,244	23,725	22,464	16,848	11,232	-	8,424
		W	2,093	1,560	1,170	780	-	425	1,993	1,486	1,114	743	-	404	1,901	1,533	1,149	766	-	417
30	-1.1	Q(Btu/h)	19,761	16,673	12,505	8,336	-	6,252	21,068	17,776	13,332	8,888	-	6,666	21,910	20,628	15,471	10,314	-	7,736
		W	1,993	1,485	1,114	743	-	404	1,892	1,410	1,058	705	-	384	1,789	1,462	1,096	731	-	398
25	-3.9	Q(Btu/h)	17,876	15,083	11,312	7,541	-	5,656	19,241	16,235	12,176	8,117	-	6,088	20,101	19,764	14,823	9,882	-	7,412
		W	1,881	1,402	1,052	701	-	382	1,779	1,326	995	663	-	361	1,668	1,422	1,067	711	-	387
20	-6.7	Q(Btu/h)	15,982	13,485	10,114	6,743	-	5,057	17,420	14,698	11,024	7,349	-	5,512	18,299	18,360	13,770	9,180	-	6,885
		W	1,758	1,310	983	655	-	357	1,655	1,234	925	617	-	336	1,539	1,335	1,001	668	-	363
15	-9.4	Q(Btu/h)	14,086	11,885	8,914	5,942	-	4,457	15,609	13,170	9,877	6,585	-	4,939	16,505	16,848	12,636	8,424	-	6,318
		W	1,622	1,209	907	605	-	329	1,520	1,133	850	566	-	308	1,403	1,248	936	624	-	340
10	-12.2	Q(Btu/h)	12,192	10,287	7,715	5,143	-	3,858	13,813	11,655	8,741	5,827	-	4,371	14,720	15,336	11,502	7,668	-	5,751
		W	1,475	1,099	824	550	-	299	1,374	1,024	768	512	-	279	1,262	1,138	853	569	-	310
5	-15.0	Q(Btu/h)	10,306	8,696	6,522	4,348	-	3,261	12,038	10,157	7,618	5,079	-	3,809	12,943	13,500	10,125	6,750	-	5,063
		W	1,316	981	735	490	-	267	1,216	906	680	453	-	247	1,116	1,011	758	506	-	275
0	-17.8	Q(Btu/h)	8,435	7,117	5,338	3,559	-	2,669	10,289	8,681	6,511	4,341	-	3,256	11,175	10,800	8,100	5,400	-	4,050
		W	1,144	853	640	426	-	232	1,047	780	585	390	-	212	967	837	628	419	-	228
-4	-20.0	Q(Btu/h)	6,953	5,866	4,400	2,933	-	2,200	8,912	7,519	5,639	3,760	-	2,820	9,769	10,800	8,100	5,400	-	4,050
		W	999	744	558	372	-	203	904	674	505	337	-	183	846	837	628	419	-	228

* Above data is for heating operation without any frost.

SEZ-KD09NA
SUZ-KA09NAHZ
1) COOLING

Rated
Q(Btu/h): 9,000
W: 690

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
115	46.1	Q(Btu/h)	8,216	8,216	6,162	4,108	-	4,108	7,693	7,693	5,770	3,846	-	3,846	7,021	7,021	5,266	3,510	-	3,510
		W	775	775	581	388	-	371	756	756	567	378	-	362	725	725	543	362	-	347
110	43.3	Q(Btu/h)	8,589	8,589	6,442	4,295	-	4,295	7,992	7,992	5,994	3,996	-	3,996	7,320	7,320	5,490	3,660	-	3,660
		W	762	762	572	381	-	365	744	744	558	372	-	356	709	709	532	354	-	339
105	40.6	Q(Btu/h)	8,963	8,963	6,722	4,481	-	4,481	8,290	8,290	6,218	4,145	-	4,145	7,693	7,693	5,770	3,846	-	3,846
		W	753	753	565	377	-	360	725	725	543	362	-	347	693	693	520	347	-	332
100	37.8	Q(Btu/h)	9,261	9,261	6,946	4,631	-	4,631	8,664	8,664	6,498	4,332	-	4,332	7,992	7,992	5,994	3,996	-	3,996
		W	731	731	548	365	-	350	709	709	532	354	-	339	677	677	508	339	-	324
95	35.0	Q(Btu/h)	9,635	9,635	7,226	4,817	-	4,817	9,000	9,000	6,750	4,500	-	4,500	8,365	8,365	6,274	4,183	-	4,183
		W	718	718	539	359	-	344	690	690	518	345	-	330	662	662	496	331	-	316
90	32.2	Q(Btu/h)	9,934	9,934	7,450	4,967	-	4,967	9,336	9,336	7,002	4,668	-	4,668	8,664	8,664	6,498	4,332	-	4,332
		W	693	693	520	347	-	332	662	662	496	331	-	316	636	636	477	318	-	304
85	29.4	Q(Btu/h)	10,307	10,307	7,730	5,154	-	5,154	9,710	9,710	7,282	4,855	-	4,855	9,037	9,037	6,778	4,519	-	4,519
		W	668	668	501	334	-	319	636	636	477	318	-	304	614	614	461	307	-	294
80	26.7	Q(Btu/h)	10,606	10,606	7,954	5,303	-	5,303	10,008	10,008	7,506	5,004	-	5,004	9,411	9,411	7,058	4,705	-	4,705
		W	643	643	482	321	-	307	608	608	456	304	-	291	589	589	442	295	-	282
75	23.9	Q(Btu/h)	10,979	10,979	8,234	5,490	-	5,490	10,307	10,307	7,730	5,154	-	5,154	9,747	9,747	7,310	4,873	-	4,873
		W	614	614	461	307	-	294	580	580	435	290	-	277	566	566	425	283	-	271
70	21.1	Q(Btu/h)	11,241	11,241	8,430	5,620	-	5,620	10,531	10,531	7,898	5,266	-	5,266	10,083	10,083	7,562	5,041	-	5,041
		W	583	583	437	291	-	279	555	555	416	277	-	265	532	532	399	266	-	255
67	19.4	Q(Btu/h)	11,353	11,353	8,515	5,676	-	5,676	10,755	10,755	8,066	5,378	-	5,378	10,307	10,307	7,730	5,154	-	5,154
		W	555	555	416	277	-	265	532	532	399	266	-	255	504	504	378	252	-	241

* It may not reach the above capacities in low ambient temperatures.

Rated
Q(Btu/h): 12,500
W: 1,300

2) HEATING

Indoor D.B.			77°F / 25.0°C						68°F / 20.0°C						59°F / 15.0°C					
Outdoor W.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
65	18.3	Q(Btu/h)	16,093	15,125	11,344	-	-	9,801	16,625	15,625	11,719	-	-	10,125	17,157	16,125	12,094	-	-	10,449
		W	1,476	1,476	1,107	-	-	647	1,445	1,445	1,084	-	-	633	1,414	1,414	1,060	-	-	620
60	15.6	Q(Btu/h)	15,428	14,500	10,875	-	-	9,396	15,960	15,000	11,250	-	-	9,720	16,492	15,500	11,625	-	-	10,044
		W	1,450	1,450	1,087	-	-	636	1,419	1,419	1,064	-	-	622	1,388	1,388	1,041	-	-	608
55	12.8	Q(Btu/h)	14,763	13,875	10,406	-	-	8,991	15,295	14,375	10,781	-	-	9,315	15,827	14,875	11,156	-	-	9,639
		W	1,420	1,420	1,065	-	-	623	1,389	1,389	1,041	-	-	609	1,358	1,358	1,018	-	-	595
50	10.0	Q(Btu/h)	14,098	13,250	9,938	-	-	8,586	14,564	13,688	10,266	-	-	8,870	15,096	14,188	10,641	-	-	9,194
		W	1,386	1,386	1,039	-	-	608	1,355	1,355	1,016	-	-	594	1,323	1,323	993	-	-	580
45	7.2	Q(Btu/h)	13,633	12,813	9,609	-	-	8,303	14,098	13,250	9,938	-	-	8,586	14,630	13,750	10,313	-	-	8,910
		W	1,363	1,363	1,023	-	-	598	1,332	1,332	999	-	-	584	1,301	1,301	976	-	-	570
40	4.4	Q(Btu/h)	12,901	12,125	9,094	-	-	7,857	13,367	12,563	9,422	-	-	8,141	13,899	13,063	9,797	-	-	8,465
		W	1,323	1,323	992	-	-	580	1,292	1,292	969	-	-	566	1,261	1,261	946	-	-	553
35	1.7	Q(Btu/h)	11,837	11,125	8,344	-	-	7,209	12,170	11,438	8,578	-	-	7,412	12,702	11,938	8,953	-	-	7,736
		W	1,260	1,260	945	-	-	552	1,229	1,229	921	-	-	539	1,197	1,197	898	-	-	525
30	-1.1	Q(Btu/h)	11,305	10,625	7,969	-	-	6,885	11,638	10,938	8,203	-	-	7,088	12,170	11,438	8,578	-	-	7,412
		W	1,336	1,336	1,002	-	-	586	1,305	1,305	978	-	-	572	1,273	1,273	955	-	-	558
25	-3.9	Q(Btu/h)	10,374	9,750	7,313	-	-	6,318	10,707	10,063	7,547	-	-	6,521	11,172	10,500	7,875	-	-	6,804
		W	1,257	1,257	943	-	-	551	1,226	1,226	919	-	-	537	1,194	1,194	896	-	-	524
20	-6.7	Q(Btu/h)	10,374	8,875	6,656	-	-	5,751	10,707	9,188	6,891	-	-	5,954	11,172	9,625	7,219	-	-	6,237
		W	1,173	1,173	880	-	-	514	1,142	1,142	856	-	-	501	1,111	1,111	833	-	-	487
15	-9.4	Q(Btu/h)	10,374	7,875	5,906	-	-	5,103	10,707	8,188	6,141	-	-	5,306	11,172	8,625	6,469	-	-	5,589
		W	1,084	1,084	813	-	-	475	1,053	1,053	790	-	-	462	1,022	1,022	766	-	-	448
10	-12.2	Q(Btu/h)	10,374	6,750	5,063	-	-	4,374	10,707	7,063	5,297	-	-	4,577	11,172	7,625	5,719	-	-	4,941
		W	990	990	743	-	-	434	959	959	719	-	-	420	928	928	696	-	-	407
5	-15.0	Q(Btu/h)	10,374	5,125	3,844	-	-	3,321	10,707	5,375	4,031	-	-	3,483	11,172	6,000	4,500	-	-	3,888
		W	850	850	638	-	-	373	819	819	615	-	-	359	788	788	591	-	-	346
0	-17.8	Q(Btu/h)	8,731	3,946	2,960	-	-	2,557	9,011	4,229	3,172	-	-	2,740	9,403	4,873	3,655	-	-	3,158
		W	745	745	559	-	-	327	714	714	535	-	-	313	683	683	512	-	-	299
-4	-20.0	Q(Btu/h)	7,417	2,927	2,195	-	-	1,897	7,655	3,216	2,412	-	-	2,084	7,988	3,907	2,930	-	-	2,532
		W	657	657	493	-	-	288	626	626	469	-	-	274	594	594	446	-	-	261
-13	-25.0	Q(Btu/h)	4,461	484	363	-	-	314	4,604	797	598	-	-	516	4,804	1,612	1,209	-	-	1,044
		W	447	447	335	-	-	196	416	416	312	-	-	182	385	385	288	-	-	169

* Above data is for heating operation without any frost.

SEZ-KD12NA
SUZ-KA12NAHZ

1) COOLING

Rated
Q(Btu/h): 12,000
W: 920

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
115	46.1	Q(Btu/h)	10,954	10,954	8,216	5,477	-	4,756	10,257	10,257	7,693	5,129	-	4,453	9,361	9,361	7,021	4,680	-	4,064
		W	1,033	1,033	775	517	-	359	1,008	1,008	756	504	-	351	966	966	725	483	-	336
110	43.3	Q(Btu/h)	11,452	11,452	8,589	5,726	-	4,972	10,656	10,656	7,992	5,328	-	4,626	9,759	9,759	7,320	4,880	-	4,237
		W	1,017	1,017	762	508	-	354	991	991	744	496	-	345	945	945	709	473	-	329
105	40.6	Q(Btu/h)	11,950	11,950	8,963	5,975	-	5,188	11,054	11,054	8,290	5,527	-	4,799	10,257	10,257	7,693	5,129	-	4,453
		W	1,004	1,004	753	502	-	349	966	966	725	483	-	336	924	924	693	462	-	321
100	37.8	Q(Btu/h)	12,349	12,349	9,261	6,174	-	5,361	11,552	11,552	8,664	5,776	-	5,015	10,656	10,656	7,992	5,328	-	4,626
		W	975	975	731	487	-	339	945	945	709	473	-	329	903	903	677	452	-	314
95	35.0	Q(Btu/h)	12,846	12,846	9,635	6,423	-	5,578	12,000	12,000	9,000	6,000	-	5,210	11,154	11,154	8,365	5,577	-	4,842
		W	958	958	718	479	-	333	920	920	690	460	-	320	882	882	662	441	-	307
90	32.2	Q(Btu/h)	13,245	13,245	9,934	6,622	-	5,750	12,448	12,448	9,336	6,224	-	5,405	11,552	11,552	8,664	5,776	-	5,015
		W	924	924	693	462	-	321	882	882	662	441	-	307	849	849	636	424	-	295
85	29.4	Q(Btu/h)	13,743	13,743	10,307	6,871	-	5,967	12,946	12,946	9,710	6,473	-	5,621	12,050	12,050	9,037	6,025	-	5,232
		W	891	891	668	445	-	310	849	849	636	424	-	295	819	819	614	410	-	285
80	26.7	Q(Btu/h)	14,141	14,141	10,606	7,071	-	6,140	13,344	13,344	10,008	6,672	-	5,794	12,548	12,548	9,411	6,274	-	5,448
		W	857	857	643	428	-	298	811	811	608	405	-	282	786	786	589	393	-	273
75	23.9	Q(Btu/h)	14,639	14,639	10,979	7,320	-	6,356	13,743	13,743	10,307	6,871	-	5,967	12,996	12,996	9,747	6,498	-	5,642
		W	819	819	614	410	-	285	773	773	580	386	-	269	755	755	566	378	-	263
70	21.1	Q(Btu/h)	14,988	14,988	11,241	7,494	-	6,507	14,041	14,041	10,531	7,021	-	6,096	13,444	13,444	10,083	6,722	-	5,837
		W	777	777	583	389	-	270	739	739	555	370	-	257	710	710	532	355	-	247
67	19.4	Q(Btu/h)	15,137	15,137	11,353	7,568	-	6,572	14,340	14,340	10,755	7,170	-	6,226	13,743	13,743	10,307	6,871	-	5,967
		W	739	739	555	370	-	257	710	710	532	355	-	247	672	672	504	336	-	234

* It may not reach the above capacities in low ambient temperatures.

2) HEATING

Rated
Q(Btu/h): 15,000
W: 1,120

Indoor D.B.			77°F / 25.0°C						68°F / 20.0°C						59°F / 15.0°C					
Outdoor W.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
65	18.3	Q(Btu/h)	21,780	18,150	13,613	-	-	9,317	22,500	18,750	14,063	-	-	9,625	23,220	19,350	14,513	-	-	9,933
		W	1,782	1,272	954	-	-	613	1,745	1,245	934	-	-	600	1,707	1,218	913	-	-	587
60	15.6	Q(Btu/h)	20,880	17,400	13,050	-	-	8,932	21,600	18,000	13,500	-	-	9,240	22,320	18,600	13,950	-	-	9,548
		W	1,751	1,249	937	-	-	602	1,713	1,222	917	-	-	589	1,676	1,195	897	-	-	576
55	12.8	Q(Btu/h)	19,980	16,650	12,488	-	-	8,547	20,700	17,250	12,938	-	-	8,855	21,420	17,850	13,388	-	-	9,163
		W	1,715	1,223	917	-	-	590	1,677	1,196	897	-	-	577	1,639	1,170	877	-	-	564
50	10.0	Q(Btu/h)	19,080	15,900	11,925	-	-	8,162	19,710	16,425	12,319	-	-	8,432	20,430	17,025	12,769	-	-	8,740
		W	1,674	1,194	895	-	-	576	1,636	1,167	875	-	-	563	1,598	1,140	855	-	-	550
45	7.2	Q(Btu/h)	18,450	15,375	11,531	-	-	7,893	19,080	15,900	11,925	-	-	8,162	19,800	16,500	12,375	-	-	8,470
		W	1,647	1,175	881	-	-	566	1,609	1,148	861	-	-	553	1,571	1,121	841	-	-	540
40	4.4	Q(Btu/h)	17,460	14,550	10,913	-	-	7,469	18,090	15,075	11,306	-	-	7,739	18,810	15,675	11,756	-	-	8,047
		W	1,598	1,140	855	-	-	550	1,560	1,113	835	-	-	537	1,523	1,086	815	-	-	524
35	1.7	Q(Btu/h)	16,020	13,350	10,013	-	-	6,853	16,470	13,725	10,294	-	-	7,046	17,190	14,325	10,744	-	-	7,354
		W	1,521	1,085	814	-	-	523	1,484	1,059	794	-	-	510	1,446	1,032	774	-	-	497
30	-1.1	Q(Btu/h)	15,300	12,750	9,563	-	-	6,545	15,750	13,125	9,844	-	-	6,738	16,470	13,725	10,294	-	-	7,046
		W	1,613	1,151	863	-	-	555	1,575	1,124	843	-	-	542	1,538	1,097	823	-	-	529
25	-3.9	Q(Btu/h)	14,040	11,700	8,775	-	-	6,006	14,490	12,075	9,056	-	-	6,199	15,120	12,600	9,450	-	-	6,468
		W	1,518	1,083	812	-	-	522	1,480	1,056	792	-	-	509	1,442	1,029	772	-	-	496
20	-6.7	Q(Btu/h)	14,040	10,650	7,988	-	-	5,467	14,490	11,025	8,269	-	-	5,660	15,120	11,550	8,663	-	-	5,929
		W	1,416	1,010	758	-	-	487	1,379	984	738	-	-	474	1,341	957	718	-	-	461
15	-9.4	Q(Btu/h)	14,040	9,450	7,088	-	-	4,851	14,490	9,825	7,369	-	-	5,044	15,120	10,350	7,763	-	-	5,313
		W	1,309	934	700	-	-	450	1,271	907	680	-	-	437	1,234	880	660	-	-	424
10	-12.2	Q(Btu/h)	14,040	8,100	6,075	-	-	4,158	14,490	8,475	6,356	-	-	4,351	15,120	9,150	6,863	-	-	4,697
		W	1,196	853	640	-	-	411	1,158	826	620	-	-	398	1,121	799	600	-	-	385
5	-15.0	Q(Btu/h)	14,040	6,150	4,613	-	-	3,157	14,490	6,450	4,838	-	-	3,311	15,120	7,200	5,400	-	-	3,696
		W	1,027	733	550	-	-	353	990	706	529	-	-	340	952	679	509	-	-	327
0	-17.8	Q(Btu/h)	11,817	4,735	3,552	-	-	2,431	12,196	5,075	3,806	-	-	2,605	12,726	5,848	4,386	-	-	3,002
		W	899	642	481	-	-	309	862	615	461	-	-	296	824	588	441	-	-	284
-4	-20.0	Q(Btu/h)	10,039	3,512	2,634	-	-	1,803	10,360	3,859	2,894	-	-	1,981	10,811	4,688	3,516	-	-	2,407
		W	793	566	424	-	-	273	755	539	404	-	-	260	718	512	384	-	-	247
-13	-25.0	Q(Btu/h)	6,037	581	436	-	-	298	6,231	956	717	-	-	491	6,502	1,934	1,451	-	-	993
		W	540	385	289	-	-	186	502	358	269	-	-	173	464	331	249	-	-	160

* Above data is for heating operation without any frost.

SEZ-KD15NA
SUZ-KA15NAHZ

1) COOLING

Rated
Q(Btu/h): 15,000
W: 1,200

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
115	46.1	Q(Btu/h)	13,693	13,693	10,270	-	-	8,216	12,822	12,822	9,616	-	-	7,693	11,701	11,701	8,776	-	-	7,021
		W	1,348	1,348	1,011	-	-	719	1,315	1,315	986	-	-	701	1,260	1,260	945	-	-	672
110	43.3	Q(Btu/h)	14,315	14,315	10,737	-	-	8,589	13,320	13,320	9,990	-	-	7,992	12,199	12,199	9,149	-	-	7,320
		W	1,326	1,326	995	-	-	707	1,293	1,293	970	-	-	690	1,233	1,233	925	-	-	658
105	40.6	Q(Btu/h)	14,938	14,938	11,203	-	-	8,963	13,817	13,817	10,363	-	-	8,290	12,822	12,822	9,616	-	-	7,693
		W	1,310	1,310	982	-	-	698	1,260	1,260	945	-	-	672	1,205	1,205	904	-	-	643
100	37.8	Q(Btu/h)	15,436	15,436	11,577	-	-	9,261	14,440	14,440	10,830	-	-	8,664	13,320	13,320	9,990	-	-	7,992
		W	1,271	1,271	953	-	-	678	1,233	1,233	925	-	-	658	1,178	1,178	884	-	-	628
95	35.0	Q(Btu/h)	16,058	16,058	12,044	-	-	9,635	15,000	15,000	11,250	-	-	9,000	13,942	13,942	10,456	-	-	8,365
		W	1,249	1,249	937	-	-	666	1,200	1,200	900	-	-	640	1,151	1,151	863	-	-	614
90	32.2	Q(Btu/h)	16,556	16,556	12,417	-	-	9,934	15,560	15,560	11,670	-	-	9,336	14,440	14,440	10,830	-	-	8,664
		W	1,205	1,205	904	-	-	643	1,151	1,151	863	-	-	614	1,107	1,107	830	-	-	590
85	29.4	Q(Btu/h)	17,178	17,178	12,884	-	-	10,307	16,183	16,183	12,137	-	-	9,710	15,062	15,062	11,297	-	-	9,037
		W	1,162	1,162	871	-	-	620	1,107	1,107	830	-	-	590	1,068	1,068	801	-	-	570
80	26.7	Q(Btu/h)	17,676	17,676	13,257	-	-	10,606	16,680	16,680	12,510	-	-	10,008	15,685	15,685	11,763	-	-	9,411
		W	1,118	1,118	838	-	-	596	1,058	1,058	793	-	-	564	1,025	1,025	768	-	-	546
75	23.9	Q(Btu/h)	18,299	18,299	13,724	-	-	10,979	17,178	17,178	12,884	-	-	10,307	16,245	16,245	12,184	-	-	9,747
		W	1,068	1,068	801	-	-	570	1,008	1,008	756	-	-	538	985	985	739	-	-	525
70	21.1	Q(Btu/h)	18,734	18,734	14,051	-	-	11,241	17,552	17,552	13,164	-	-	10,531	16,805	16,805	12,604	-	-	10,083
		W	1,014	1,014	760	-	-	541	964	964	723	-	-	514	926	926	695	-	-	494
67	19.4	Q(Btu/h)	18,921	18,921	14,191	-	-	11,353	17,925	17,925	13,444	-	-	10,755	17,178	17,178	12,884	-	-	10,307
		W	964	964	723	-	-	514	926	926	695	-	-	494	877	877	658	-	-	468

* It may not reach the above capacities in low ambient temperatures.

2) HEATING

Rated
Q(Btu/h): 18,000
W: 1,920

Indoor D.B.			77°F / 25.0°C						68°F / 20.0°C						59°F / 15.0°C					
Outdoor W.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
65	18.3	Q(Btu/h)	27,104	21,780	16,335	10,890	-	10,406	28,000	22,500	16,875	11,250	-	10,750	28,896	23,220	17,415	11,610	-	11,094
		W	3,202	2,180	1,635	1,090	-	624	3,134	2,134	1,600	1,067	-	611	3,067	2,088	1,566	1,044	-	598
60	15.6	Q(Btu/h)	25,984	20,880	15,660	10,440	-	9,976	26,880	21,600	16,200	10,800	-	10,320	27,776	22,320	16,740	11,160	-	10,664
		W	3,145	2,141	1,606	1,071	-	613	3,078	2,095	1,571	1,048	-	600	3,010	2,049	1,537	1,025	-	587
55	12.8	Q(Btu/h)	24,864	19,980	14,985	9,990	-	9,546	25,760	20,700	15,525	10,350	-	9,890	26,656	21,420	16,065	10,710	-	10,234
		W	3,080	2,097	1,573	1,048	-	601	3,012	2,051	1,538	1,025	-	588	2,945	2,005	1,504	1,002	-	574
50	10.0	Q(Btu/h)	23,744	19,080	14,310	9,540	-	9,116	24,528	19,710	14,783	9,855	-	9,417	25,424	20,430	15,323	10,215	-	9,761
		W	3,006	2,047	1,535	1,023	-	586	2,938	2,001	1,500	1,000	-	573	2,871	1,955	1,466	977	-	560
45	7.2	Q(Btu/h)	22,960	18,450	13,838	9,225	-	8,815	23,744	19,080	14,310	9,540	-	9,116	24,640	19,800	14,850	9,900	-	9,460
		W	2,958	2,014	1,510	1,007	-	577	2,890	1,968	1,476	984	-	564	2,822	1,922	1,441	961	-	550
40	4.4	Q(Btu/h)	21,728	17,460	13,095	8,730	-	8,342	22,512	18,090	13,568	9,045	-	8,643	23,408	18,810	14,108	9,405	-	8,987
		W	2,870	1,954	1,465	977	-	560	2,802	1,908	1,431	954	-	547	2,735	1,862	1,396	931	-	533
35	1.7	Q(Btu/h)	19,936	16,020	12,015	8,010	-	7,654	20,496	16,470	12,353	8,235	-	7,869	21,392	17,190	12,893	8,595	-	8,213
		W	2,733	1,861	1,395	930	-	533	2,665	1,815	1,361	907	-	520	2,598	1,769	1,326	884	-	507
30	-1.1	Q(Btu/h)	19,040	15,300	11,475	7,650	-	7,310	19,600	15,750	11,813	7,875	-	7,525	20,496	16,470	12,353	8,235	-	7,869
		W	2,897	1,973	1,480	986	-	565	2,830	1,927	1,445	963	-	552	2,762	1,881	1,411	940	-	539
25	-3.9	Q(Btu/h)	17,472	14,040	10,530	7,020	-	6,708	18,032	14,490	10,868	7,245	-	6,923	18,816	15,120	11,340	7,560	-	7,224
		W	2,726	1,856	1,392	928	-	532	2,659	1,810	1,358	905	-	519	2,591	1,764	1,323	882	-	505
20	-6.7	Q(Btu/h)	17,472	12,780	9,585	6,390	-	6,106	18,032	13,230	9,923	6,615	-	6,321	18,816	13,860	10,395	6,930	-	6,622
		W	2,544	1,732	1,299	866	-	496	2,476	1,686	1,265	843	-	483	2,409	1,640	1,230	820	-	470
15	-9.4	Q(Btu/h)	17,472	11,340	8,505	5,670	-	5,418	18,032	11,790	8,843	5,895	-	5,633	18,816	12,420	9,315	6,210	-	5,934
		W	2,351	1,601	1,201	800	-	459	2,284	1,555	1,166	777	-	445	2,216	1,509	1,132	754	-	432
10	-12.2	Q(Btu/h)	17,472	9,720	7,290	4,860	-	4,644	18,032	10,170	7,628	5,085	-	4,859	18,816	10,980	8,235	5,490	-	5,246
		W	2,148	1,462	1,097	731	-	419	2,080	1,416	1,062	708	-	406	2,013	1,370	1,028	685	-	393
5	-15.0	Q(Btu/h)	17,472	7,380	5,535	3,690	-	3,526	18,032	7,740	5,805	3,870	-	3,698	18,816	8,640	6,480	4,320	-	4,128
		W	1,845	1,256	942	628	-	360	1,777	1,210	908	605	-	347	1,710	1,164	873	582	-	333
0	-17.8	Q(Btu/h)	14,706	5,682	4,262	2,841	-	2,715	15,177	6,090	4,567	3,045	-	2,909	15,837	7,018	5,263	3,509	-	3,353
		W	1,616	1,100	825	550	-	315	1,548	1,054	791	527	-	302	1,481	1,008	756	504	-	289
-4	-20.0	Q(Btu/h)	12,492	4,215	3,161	2,107	-	2,014	12,893	4,630	3,473	2,315	-	2,212	13,453	5,626	4,219	2,813	-	2,688
		W	1,425	970	727	485	-	278	1,357	924	693	462	-	265	1,289	878	658	439	-	251
-13	-25.0	Q(Btu/h)	7,513	697	523	348	-	333	7,754	1,148	861	574	-	548	8,091	2,321	1,741	1,161	-	1,109
		W	969	660	495	330	-	189	902	614	461	307	-	176	834	568	426	284	-	163

* Above data is for heating operation without any frost.

SEZ-KD18NA
SUZ-KA18NAHZ

1) COOLING

Rated
Q(Btu/h): 18,000
W: 1,370

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
115	46.1	Q(Btu/h)	16,432	16,432	12,324	-	-	8,398	15,386	15,386	11,539	-	-	7,864	14,041	14,041	10,531	-	-	7,177
		W	1,539	1,539	1,154	-	-	629	1,501	1,501	1,126	-	-	614	1,439	1,439	1,079	-	-	588
110	43.3	Q(Btu/h)	17,178	17,178	12,884	-	-	8,780	15,983	15,983	11,988	-	-	8,169	14,639	14,639	10,979	-	-	7,482
		W	1,514	1,514	1,135	-	-	619	1,476	1,476	1,107	-	-	603	1,408	1,408	1,056	-	-	575
105	40.6	Q(Btu/h)	17,925	17,925	13,444	-	-	9,162	16,581	16,581	12,436	-	-	8,475	15,386	15,386	11,539	-	-	7,864
		W	1,495	1,495	1,121	-	-	611	1,439	1,439	1,079	-	-	588	1,376	1,376	1,032	-	-	563
100	37.8	Q(Btu/h)	18,523	18,523	13,892	-	-	9,467	17,328	17,328	12,996	-	-	8,856	15,983	15,983	11,988	-	-	8,169
		W	1,451	1,451	1,088	-	-	593	1,408	1,408	1,056	-	-	575	1,345	1,345	1,009	-	-	550
95	35.0	Q(Btu/h)	19,270	19,270	14,452	-	-	9,849	18,000	18,000	13,500	-	-	9,200	16,730	16,730	12,548	-	-	8,551
		W	1,426	1,426	1,070	-	-	583	1,370	1,370	1,028	-	-	560	1,314	1,314	985	-	-	537
90	32.2	Q(Btu/h)	19,867	19,867	14,900	-	-	10,154	18,672	18,672	14,004	-	-	9,544	17,328	17,328	12,996	-	-	8,856
		W	1,376	1,376	1,032	-	-	563	1,314	1,314	985	-	-	537	1,264	1,264	948	-	-	517
85	29.4	Q(Btu/h)	20,614	20,614	15,461	-	-	10,536	19,419	19,419	14,564	-	-	9,925	18,075	18,075	13,556	-	-	9,238
		W	1,326	1,326	995	-	-	542	1,264	1,264	948	-	-	517	1,220	1,220	915	-	-	499
80	26.7	Q(Btu/h)	21,212	21,212	15,909	-	-	10,841	20,017	20,017	15,012	-	-	10,231	18,822	18,822	14,116	-	-	9,620
		W	1,276	1,276	957	-	-	522	1,207	1,207	906	-	-	494	1,170	1,170	877	-	-	478
75	23.9	Q(Btu/h)	21,959	21,959	16,469	-	-	11,223	20,614	20,614	15,461	-	-	10,536	19,494	19,494	14,620	-	-	9,963
		W	1,220	1,220	915	-	-	499	1,151	1,151	863	-	-	471	1,125	1,125	844	-	-	460
70	21.1	Q(Btu/h)	22,481	22,481	16,861	-	-	11,490	21,062	21,062	15,797	-	-	10,765	20,166	20,166	15,124	-	-	10,307
		W	1,157	1,157	868	-	-	473	1,101	1,101	826	-	-	450	1,057	1,057	793	-	-	432
67	19.4	Q(Btu/h)	22,705	22,705	17,029	-	-	11,605	21,510	21,510	16,133	-	-	10,994	20,614	20,614	15,461	-	-	10,536
		W	1,101	1,101	826	-	-	450	1,057	1,057	793	-	-	432	1,001	1,001	751	-	-	409

* It may not reach the above capacities in low ambient temperatures.

2) HEATING

Rated
Q(Btu/h): 21,600
W: 1,840

Indoor D.B.			77°F / 25.0°C						68°F / 20.0°C						59°F / 15.0°C					
Outdoor W.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
65	18.3	Q(Btu/h)	33,880	26,136	19,602	13,068	-	10,648	35,000	27,000	20,250	13,500	-	11,000	36,120	27,864	20,898	13,932	-	11,352
		W	3,667	2,089	1,567	1,045	-	602	3,590	2,045	1,534	1,022	-	589	3,512	2,001	1,501	1,000	-	576
60	15.6	Q(Btu/h)	32,480	25,056	18,792	12,528	-	10,208	33,600	25,920	19,440	12,960	-	10,560	34,720	26,784	20,088	13,392	-	10,912
		W	3,602	2,052	1,539	1,026	-	591	3,525	2,008	1,506	1,004	-	578	3,448	1,964	1,473	982	-	566
55	12.8	Q(Btu/h)	31,080	23,976	17,982	11,988	-	9,768	32,200	24,840	18,630	12,420	-	10,120	33,320	25,704	19,278	12,852	-	10,472
		W	3,528	2,010	1,507	1,005	-	579	3,450	1,965	1,474	983	-	566	3,373	1,921	1,441	961	-	553
50	10.0	Q(Btu/h)	29,680	22,896	17,172	11,448	-	9,328	30,660	23,652	17,739	11,826	-	9,636	31,780	24,516	18,387	12,258	-	9,988
		W	3,443	1,961	1,471	981	-	565	3,366	1,917	1,438	959	-	552	3,288	1,873	1,405	937	-	540
45	7.2	Q(Btu/h)	28,700	22,140	16,605	11,070	-	9,020	29,680	22,896	17,172	11,448	-	9,328	30,800	23,760	17,820	11,880	-	9,680
		W	3,388	1,930	1,447	965	-	556	3,310	1,886	1,414	943	-	543	3,233	1,842	1,381	921	-	530
40	4.4	Q(Btu/h)	27,160	20,952	15,714	10,476	-	8,536	28,140	21,708	16,281	10,854	-	8,844	29,260	22,572	16,929	11,286	-	9,196
		W	3,287	1,873	1,404	936	-	539	3,210	1,828	1,371	914	-	527	3,132	1,784	1,338	892	-	514
35	1.7	Q(Btu/h)	24,920	19,224	14,418	9,612	-	7,832	25,620	19,764	14,823	9,882	-	8,052	26,740	20,628	15,471	10,314	-	8,404
		W	3,130	1,783	1,337	892	-	514	3,053	1,739	1,304	869	-	501	2,975	1,695	1,271	847	-	488
30	-1.1	Q(Btu/h)	23,800	18,360	13,770	9,180	-	7,480	24,500	18,900	14,175	9,450	-	7,700	25,620	19,764	14,823	9,882	-	8,052
		W	3,319	1,890	1,418	945	-	545	3,241	1,846	1,385	923	-	532	3,164	1,802	1,352	901	-	519
25	-3.9	Q(Btu/h)	21,840	16,848	12,636	8,424	-	6,864	22,540	17,388	13,041	8,694	-	7,084	23,520	18,144	13,608	9,072	-	7,392
		W	3,122	1,779	1,334	889	-	512	3,045	1,735	1,301	867	-	500	2,968	1,691	1,268	845	-	487
20	-6.7	Q(Btu/h)	21,840	15,336	11,502	7,668	-	6,248	22,540	15,876	11,907	7,938	-	6,468	23,520	16,632	12,474	8,316	-	6,776
		W	2,914	1,660	1,245	830	-	478	2,837	1,616	1,212	808	-	465	2,759	1,572	1,179	786	-	453
15	-9.4	Q(Btu/h)	21,840	13,608	10,206	6,804	-	5,544	22,540	14,148	10,611	7,074	-	5,764	23,520	14,904	11,178	7,452	-	6,072
		W	2,693	1,534	1,151	767	-	442	2,616	1,490	1,118	745	-	429	2,538	1,446	1,085	723	-	417
10	-12.2	Q(Btu/h)	21,840	11,664	8,748	5,832	-	4,752	22,540	12,204	9,153	6,102	-	4,972	23,520	13,176	9,882	6,588	-	5,368
		W	2,460	1,401	1,051	701	-	404	2,383	1,357	1,018	679	-	391	2,305	1,313	985	657	-	378
5	-15.0	Q(Btu/h)	21,840	8,856	6,642	4,428	-	3,608	22,540	9,288	6,966	4,644	-	3,784	23,520	10,368	7,776	5,184	-	4,224
		W	2,113	1,204	903	602	-	347	2,036	1,160	870	580	-	334	1,958	1,116	837	558	-	321
0	-17.8	Q(Btu/h)	18,382	6,819	5,114	3,409	-	2,778	18,971	7,307	5,481	3,654	-	2,977	19,796	8,421	6,316	4,211	-	3,431
		W	1,851	1,054	791	527	-	304	1,773	1,010	758	505	-	291	1,696	966	725	483	-	278
-4	-20.0	Q(Btu/h)	15,616	5,057	3,793	2,529	-	2,060	16,116	5,557	4,167	2,778	-	2,264	16,817	6,751	5,063	3,375	-	2,750
		W	1,632	929	697	465	-	268	1,554	885	664	443	-	255	1,477	841	631	421	-	242
-13	-25.0	Q(Btu/h)	9,391	836	627	418	-	341	9,692	1,377	1,033	689	-	561	10,114	2,785	2,089	1,393	-	1,135
		W	1,110	633	474	316	-	182	1,033	588	441	294	-	169	956	544	408	272	-	157

* Above data is for heating operation without any frost.

A.6 CEILING-CONCEALED (PEAD)

A.6.1 SPECIFICATIONS A-562
A.6.1.1 SUZ series A-562
A.6.1.2 H2i SUZ series A-564
A.6.2 OUTLINES AND DIMENSIONS A-566
A.6.3 WIRING DIAGRAM A-568
A.6.4 REFRIGERANT SYSTEM DIAGRAM A-569
A.6.5 PERFORMANCE DATA A-570
A.6.5.1 SUZ series A-570
A.6.5.2 H2i SUZ series A-585
A.6.6 NOISE CRITERIA CURVES A-600
A.6.7 FAN PERFORMANCE A-606
A.6.8 CENTER OF GRAVITY POSITION A-613
A.6.9 PART LOAD CAPACITY CHART A-614
A.6.9.1 SUZ series A-614
A.6.9.2 H2i SUZ series A-621

A.6.1 SPECIFICATIONS

A.6.1.1 SUZ series

Model name	Indoor unit		PEAD-A09AA7	PEAD-A12AA7	PEAD-A15AA7	PEAD-A18AA7
	Outdoor unit		SUZ-KA09NA2	SUZ-KA12NA2	SUZ-KA15NA2	SUZ-KA18NA2
Cooling *1	Rated Capacity	Btu/h	9,000	12,000	15,000	18,000
	Capacity Range	Btu/h	4,300-9,000	4,400-12,000	5,500-15,000	6,200-18,000
	Total input	W	720	930	1,150	1,270
	Energy Efficiency	EER	12.5	12.9	13.0	14.1
		SEER	19.7	20.5	19.2	19.8
	Moisture Removal	Pints/h	0.8	1.1	1.3	3.2
	Sensible Heat Factor		0.90	0.9	0.9	0.80
Heating at 47°F *1	Rated Capacity	Btu/h	12,000	15,000	18,000	21,600
	Capacity Range	Btu/h	3,960-13,000	4,800-17,000	4,900-21,500	8,120-25,600
	Total input	W	900	1,160	1,350	1,600
	HSPF(Region IV)	Btu/h/W	12.6(11.9)	13.0(12.4)	11.6(11.2)	12.9(12.5)
Heating at 17°F *2	Rated Capacity	Btu/h	7,600	9,900	11,300	14,000
	Rated Total input	W	880(1,010)	1,070(1,200)	1,220(1,350)	1,440(1,560)
	Maximum Capacity	Btu/h	7,600	9,900	11,300	14,000
	Maximum Total Input	W	880(1,010)	1,070(1,200)	1,220(1,350)	1,440(1,560)
Power supply	Voltage, Phase, Cycle		208/230V, 1-phase, 60Hz			
Voltage	Indoor - Outdoor S1-S2		AC 208/230V			
	Indoor - Outdoor S2-S3		DC12-24V			
	Indoor - Remote controller		DC12V			
Indoor unit	MCA	A	1.45		1.69	
	Fan Motor	F.L.A	1.16		1.35	
	Fan Motor Output	W	85			
	Air flow (Lo-Mid-Hi)	DRY(CFM)	282-318-353	353-424-494	424-512-600	
		WET(CFM)	254-286-318	318-382-445	382-461-540	
	External Static Pressure	in WG	0.14-0.20-0.28-0.40-0.60			
	Sound Pressure Level (Lo-Mid-Hi)	dB (A)	24-26-28	28-30-34	30-33-37	
	External Finish Color		Galvanized Sheets			
	Dimensions	W: in	35-7/16			
		D: in	28-7/8			
		H: in	9-7/8			
	Weight Unit	lbs	58		62	
	Field Drainpipe O.D.	in	O.D. 1-1/4			
	Refrigerant pipe Gas	in	3/8	1/2		
	Refrigerant pipe Liquid	in	1/4			
Outdoor unit	MCA	A	9		10	14
	MOCP	A	15	16	18	24
	Fan Motor	F.L.A.	0.50			0.67
	Compressor	Model(Type)	DC INVERTER-driven	DC INVERTER-driven Twin Rotary		
		R.L.A.	6.2	6.6	7.4	10
		L.R.A.	7.7	8.2	9.3	12.5
	Air flow (Cooling/ Heating)	CFM	(1,229/1,172)	(1,229/1,172)	(1,243/1,229)	(1,691/1,691)
	Refrigerant Control		Linear Expansion Valve			
	Defrost Method		Reverse Cycle			
	SPL (Cooling)	dB (A)	48	49		54
	SPL (Heating)	dB (A)	50	51		55
	External Finish Color		Munsell No.3Y 7.8/1.1			
	Dimension	W: in	31-1/2			33-1/16
		D: in	11-1/4			13
		H: in	21-5/8			34-5/8
	Weight	lbs	81			127
Remote Controller	Type		Wired Remote Controller			
Refrigerant	Type		R410A			
	Charge	lbs, oz	2,5	2,9		3,9
	Oil	Type(Fl.oz.)	FV50S(9.1)	FV50S(11.8)		
Refrigerant Pipe	Gas side O.D.	in	3/8		1/2	
	Liquid side O.D.	in	1/4			
	Height Difference (Max)	ft	40			50
	Length (Max.)	ft	65			100
Connection Method	Indoor/Outdoor		Flared/Flared			
Operation Guarantee	Cooling	°F(°C)	14(-10) to 115(46)			
	Heating	°F(°C)	-4(-20) to 75(24)			

NOTES : *1.Rating conditions (cooling)-Indoor : D.B. 26.7°C(80°F), W.B. 19.4°C(67°F) Outdoor : D.B. 35°C(95°F), W.B. 23.9°C(75°F)
(heating)-Indoor : D.B. 21.1°C(70°F), W.B. 15.6°C(60°F) Outdoor : D.B. 8.3°C(47°F), W.B. 6.1°C(43°F)
*2.Rating conditions (heating)-Indoor : D.B. 21.1°C(70°F), W.B. 15.6°C(60°F) Outdoor : D.B. -8.3°C(17°F), W.B. -9.4°C(15°F)

Operating range

		Indoor intake air temperature	Outdoor intake air temperature
Cooling	Maximum	D.B. 35°C(95°F), W.B. 21.7°C(71°F)	D.B. 46°C(115°F)
	Minimum	D.B. 19.4°C(67°F), W.B. 13.9°C(57°F)	D.B. -10°C(14°F)
Heating	Maximum	D.B. 26.7°C(80°F), W.B. 19.4°C(67°F)	D.B. 24°C(75°F), W.B. 18°C(65°F)
	Minimum	D.B. 21.1°C(70°F), W.B. 15.6°C(60°F)	D.B. -20°C(-4°F), W.B. -21°C(-5°F)

Model name	Indoor unit		PEAD-A24AA7	PEAD-A30AA7	PEAD-A36AA7
	Outdoor unit		SUZ-KA24NA2	SUZ-KA30NA2	SUZ-KA36NA2
Cooling *1	Rated Capacity	Btu/h	24,000	27,000	33,000
	Capacity Range	Btu/h	12,000-24,000	13,200-27,000	14,000-33,000
	Total input	W	1,920	2,160	3,510
	Energy Efficiency	EER	12.5	12.5	9.4
		SEER	18.0	18.0	16.0
	Moisture Removal	Pints/h	4.9	3.9	4.8
	Sensible Heat Factor		0.77	0.84	0.84
Heating at 47°F *1	Rated Capacity	Btu/h	25,000	30,000	33,500
	Capacity Range	Btu/h	14,400-28,000	15,860-33,000	14,750-36,000
	Total input	W	1,990	2,410	3,170
	HSPF(Region IV)	Btu/h/W	11.2(11.0)	12.6(12.4)	11.6(11.5)
Heating at 17°F *2	Rated Capacity	Btu/h	15,000	22,400	23,100
	Rated Total input	W	1,650(1,770)	1,920(2,040)	2,830(2,950)
	Maximum Capacity	Btu/h	15,000	22,400	23,100
	Maximum Total Input	W	1,650(1,770)	1,920(2,040)	2,830(2,950)
Power supply	Voltage, Phase, Cycle		208/230V, 1-phase, 60Hz		
Voltage	Indoor - Outdoor S1-S2		AC 208/230V		
	Indoor - Outdoor S2-S3		DC12-24V		
	Indoor - Remote controller		DC12V		
Indoor unit	MCA	A	2.63	2.73	3.30
	Fan Motor	F.L.A	2.10	2.18	2.64
	Fan Motor Output	W	121		244
	Air flow (Lo-Mid-Hi)	DRY(CFM)	512-635-741	618-742-883	847-1,024-1,201
		WET(CFM)	461-572-667	556-668-795	762-922-1,081
	External Static Pressure	in WG	0.14-0.20-0.28-0.40-0.60		
	Sound Pressure Level (Lo-Mid-Hi)	dB (A)	30-33-37	30-34-39	33-38-42
	External Finish Color		Galvanized Sheets		
	Dimensions	W: in	43-5/16		55-1/8
		D: in	28-7/8		
		H: in	9-7/8		
	Weight Unit	lbs	69		86
	Field Drainpipe O.D.	in	O.D. 1-1/4		
	Refrigerant pipe Gas	in	5/8		
	Refrigerant pipe Liquid	in	3/8		
Outdoor unit	MCA	A	17		
	MOCP	A	31		
	Fan Motor	F.L.A.	1.00		
	Compressor	Model(Type)	DC INVERTER-driven Twin Rotary		
		R.L.A.	13.0		
		L.R.A.	16.0		
	Air flow (Cooling/ Heating)	CFM	(2,020/1,930)		
	Refrigerant Control		Linear Expansion Valve		
	Defrost Method		Reverse Cycle		
	SPL (Cooling)	dB (A)	55		
	SPL (Heating)	dB (A)	55		
	External Finish Color		Munsell No.3Y 7.8/1.1		
	Dimension	W: in	33-1/16		
		D: in	13		
		H: in	34-5/8		
	Weight	lbs	129		
Remote Controller	Type		Wired Remote Controller		
Refrigerant	Type		R410A		
	Charge	lbs, oz	4,14		
	Oil	Type(Fl.oz.)	FV50S(15.6)		
Refrigerant Pipe	Gas side O.D.	in	5/8		
	Liquid side O.D.	in	3/8		
	Height Difference (Max)	ft	100		
	Length (Max.)	ft	100		
Connection Method	Indoor/Outdoor		Flared/Flared		
Operation Guarantee	Cooling	°F(°C)	14(-10) to 115(46)		
	Heating	°F(°C)	14(-10) to 75(24)		

NOTES : *1.Rating conditions (cooling)-Indoor : D.B. 26.7°C(80°F), W.B. 19.4°C(67°F) Outdoor : D.B. 35°C(95°F), W.B. 23.9°C(75°F)
(heating)-Indoor : D.B. 21.1°C(70°F), W.B. 15.6°C(60°F) Outdoor : D.B. 8.3°C(47°F), W.B. 6.1°C(43°F)
*2.Rating conditions (heating)-Indoor : D.B. 21.1°C(70°F), W.B. 15.6°C(60°F) Outdoor : D.B. -8.3°C(17°F), W.B. -9.4°C(15°F)

Operating range

		Indoor intake air temperature	Outdoor intake air temperature
Cooling	Maximum	D.B. 35°C(95°F), W.B. 21.7°C(71°F)	D.B. 46°C(115°F)
	Minimum	D.B. 19.4°C(67°F), W.B. 13.9°C(57°F)	D.B. -10°C(14°F)
Heating	Maximum	D.B. 26.7°C(80°F), W.B. 19.4°C(67°F)	D.B. 24°C(75°F), W.B. 18°C(65°F)
	Minimum	D.B. 21.1°C(70°F), W.B. 15.6°C(60°F)	D.B. -10°C(14°F), W.B. -11°C(12°F)

A.6.1.2 H2i SUZ series

Model name	Indoor unit		PEAD-A09AA7	PEAD-A12AA7	PEAD-A15AA7	PEAD-A18AA7
	Outdoor unit		SUZ-KA09NAHZ	SUZ-KA12NAHZ	SUZ-KA15NAHZ	SUZ-KA18NAHZ
Cooling	Rated Capacity	Btu/h	9,000	12,000	15,000	18,000
	Capacity Range	Btu/h	5,000-9,000	5,770-12,000	9,600-15,000	9,320-18,000
	Total input	W	650	850	1,190	1,400
	Energy Efficiency	EER	13.8	14.1	12.6	12.8
		SEER	17.8	19.3	18.3	18.9
	Moisture Removal	Pints/h	1.4	1.9	2.4	3.6
	Sensible Heat Factor		0.82	0.82	0.82	0.78
Heating at 47°F	Rated Capacity	Btu/h	12,000	15,000	18,000	21,600
	Capacity Range	Btu/h	8,200-14,000	7,900-18,000	8,800-23,000	8,800-28,000
	Total input	W	910	1,100	1,710	1,890
	HSPF(Region IV)	Btu/h/W	10.8	11	9.9	10.8
Heating at 17°F	Rated Capacity	Btu/h	6,800	9,000	11,700	14,200
	Rated Total input	W	780	970	1,500	1,670
	Maximum Capacity	Btu/h	12,000	15,000	18,000	21,600
	Maximum Total Input	W	1,380	1,620	2,310	2,550
Power supply	Voltage, Phase, Cycle		1-phase, 60Hz, 208/230V			
Voltage	Indoor - Outdoor S1-S2		AC 208/230V			
	Indoor - Outdoor S2-S3		DC12-24V			
	Indoor - Remote controller		DC12V			
Indoor unit	MCA	A	1.45		1.69	
	Fan Motor	F.L.A	1.16		1.35	
	Fan Motor Output	W	85			
	Air flow (Lo-Mid-Hi)	DRY(CFM)	282-318-353	353-424-494	424-512-600	424-512-600
		WET(CFM)	254-286-318	318-382-445	382-461-540	382-461-540
	External Static Pressure	in WG	0.14-0.20-0.28-0.40-0.60			
	Sound Pressure Level (Lo-Mid-Hi)	dB (A)	24-26-28		28-30-34	30-33-37
	External Finish Color		Galvanized sheets			
	Dimensions	W: in	35-7/16			
		D: in	28-7/8			
		H: in	9-7/8			
	Weight Unit	lbs	58		62	
	Field Drainpipe O.D.	in	O.D. 1-1/4			
	Refrigerant pipe Gas	in	3/8	1/2		
	Refrigerant pipe Liquid	in	1/4			
Outdoor unit	MCA	A	14		17	
	MOCP	A	24		31	
	Fan Motor	F.L.A.	0.67		1.00	
	Compressor	Model(Type)	DC INVERTER-driven Twin Rotary			
		R.L.A.	10.0		13.0	
		L.R.A.	12.5		16.0	
	Air flow (Cooling/Heating)	CFM	(1,691/1,691)		(2,020/1,930)	
	Refrigerant Control		Linear Expansion Valve			
	Defrost Method		Reverse Cycle			
	SPL (Cooling)	dB (A)	54		55	
	SPL (Heating)	dB (A)	55		55	
	External Finish Color		Munsell No.3Y 7.8/1.1			
	Dimension	W: in	33-1/16			
		D: in	13			
		H: in	34-5/8			
	Weight	lbs	129		131	
Remote Controller	Type		Wired Remote Controller			
Refrigerant	Type		R410A			
	Charge	lbs, oz	3,9		4,14	
	Oil	Type(Fl.oz.)	FV50S(22.0)		FV50S(23.7)	
Refrigerant Pipe	Gas side O.D.	in	3/8		1/2	
	Liquid side O.D.	in	1/4			
	Height Difference (Max)	ft	40			50
	Length (Max.)	ft	65			100
Connection Method	Indoor/Outdoor		Flared/Flared			
Operation Guarantee	Cooling	°F(°C)	14(-10) to 115(46)			
	Heating	°F(°C)	-13(-25) to 75(24)			

NOTES : *1.Rating conditions (cooling)-Indoor : D.B. 26.7℃(80°F), W.B. 19.4℃(67°F) Outdoor : D.B. 35℃(95°F), W.B. 23.9℃(75°F)
(heating)-Indoor : D.B. 21.1℃(70°F), W.B. 15.6℃(60°F) Outdoor : D.B. 8.3℃(47°F), W.B. 6.1℃(43°F)
*2.Rating conditions (heating)-Indoor : D.B. 21.1℃(70°F), W.B. 15.6℃(60°F) Outdoor : D.B. -8.3℃(17°F), W.B. -9.4℃(15°F)

Operating range

		Indoor intake air temperature	Outdoor intake air temperature
Cooling	Maximum	D.B. 35℃(95°F), W.B. 21.7℃(71°F)	D.B. 46℃(115°F)
	Minimum	D.B. 19.4℃(67°F), W.B. 13.9℃(57°F)	D.B. -10℃(14°F)
Heating	Maximum	D.B. 26.7℃(80°F), W.B. 19.4℃(67°F)	D.B. 24℃(75°F), W.B. 18℃(65°F)
	Minimum	D.B. 21.1℃(70°F), W.B. 15.6℃(60°F)	D.B. -25℃(-13°F), W.B. -26℃(-14°F)

Model name	Indoor unit		**PEAD-A24AA7**	**PEAD-A30AA7**	**PEAD-A36AA7**
	Outdoor unit		**SUZ-KA24NAHZ**	**SUZ-KA30NAHZ**	**SUZ-KA36NAHZ**
Cooling	Rated Capacity	Btu/h	24,000	30,000	33,000
	Capacity Range	Btu/h	10,000-24,000	14,600-30,000	15,600-33,000
	Total input	W	2,080	2,350	2,490
	Energy Efficiency	EER	10.3	12.5	12.5
		SEER	15.0	15.0	15.0
	Moisture Removal	Pints/h	6.9	6.5	3.6
	Sensible Heat Factor		0.68	0.76	0.88
Heating at 47°F	Rated Capacity	Btu/h	25,000	32,000	37,000
	Capacity Range	Btu/h	10,000-28,000	14,700-34,000	17,400-40,000
	Total input	W	1,920	2,740	2,940
	HSPF(Region IV)	Btu/h/W	9.0	9.0	9.0
Heating at 17°F	Rated Capacity	Btu/h	18,000	21,000	25,400
	Rated Total input	W	2,096	2,615	2,955
	Maximum Capacity	Btu/h	25,000	32,000	37,000
	Maximum Total Input	W	3,450	4,445	4,985
Power supply	Voltage, Phase, Cycle		1-phase, 60Hz, 208/230V		
Voltage	Indoor - Outdoor S1-S2		AC 208/230V		
	Indoor - Outdoor S2-S3		DC12-24V		
	Indoor - Remote controller		DC12V		
Indoor unit	MCA	A	2.63	2.73	3.3
	Fan Motor	F.L.A	2.10	2.18	2.64
	Fan Motor Output	W	121	121	244
	Air flow (Lo-Mid-Hi)	DRY(CFM)	512-635-741	618-742-883	847-1024-1201
		WET(CFM)	472-595-701	578-702-843	807-984-1161
	External Static Pressure	in WG	0.14-0.20-0.28-0.40-0.60		
	Sound Pressure Level (Lo-Mid-Hi)	dB (A)	30-33-37	30-34-39	33-38-42
	External Finish Color		Galvanized		
	Dimensions	W: in	53-3/16		65
		D: in	34-11/16		
		H: in	13-7/16		
	Weight Unit	lbs	31		39
	Field Drainpipe O.D.	in	1-1/4		
	Refrigerant pipe Gas	in	3/8		
	Refrigerant pipe Liquid	in	5/8		
Outdoor unit	MCA	A	17	24	26
	MOCP	A	27	40	42
	SCCR	A	5	5	5
	Inverter input	A	10	16	16
	Compressor	Model(Type)	DNB28FBAMT	ANB33FJMMT	ANB33FJMMT
	Air flow (Cooling/Heating)	CFM	1940/1940	3880/3880	3880/3880
	Refrigerant Control		Electronic Expansion Valve		
	Defrost Method		Reverse Cycle		
	SPL (Cooling)	dB (A)	52		
	SPL (Heating)	dB (A)	53		
	External Finish Color		Munsell No.3Y 7.8/1.1		
	Dimension	W: in	37-13/32	41-11/32	
		D: in	14-3/16	12-63/64+63/64	
		H: in	37-1/8	52-43/64	
	Weight	lbs	86	118	
Remote Controller	Type		Attached in indoor unit		
Refrigerant	Type		R410A		
	Charge	lbs, oz	7,11	11,7	
	Oil	Type(Fl.oz.)	FVC68D(34 oz)	FV50S(47 oz)	
Refrigerant Pipe	Gas side O.D.	in	5/8		
	Liquid side O.D.	in	3/8		
	Height Difference (Max)	ft	100		
	Length (Max.)	ft	100		
Connection Method	Indoor/Outdoor		Flared/Flared		
Operation Guarantee	Cooling	°F(°C)	0(-18) to 115(46)		
	Heating	°F(°C)	-13(-25) to 75(24)		

*** In case that the wind baffle is installed. (In case that the wind baffle is not installed, the minimum temperature will be 23°F DB.**

NOTES : *1.Rating conditions (cooling)-Indoor : D.B. 26.7℃(80°F), W.B. 19.4℃(67°F) Outdoor : D.B. 35℃(95°F), W.B. 23.9℃(75°F)
(heating)-Indoor : D.B. 21.1℃(70°F), W.B. 15.6℃(60°F) Outdoor : D.B. 8.3℃(47°F), W.B. 6.1℃(43°F)
*2.Rating conditions (heating)-Indoor : D.B. 21.1℃(70°F), W.B. 15.6℃(60°F) Outdoor : D.B. -8.3℃(17°F), W.B. -9.4℃(15°F)

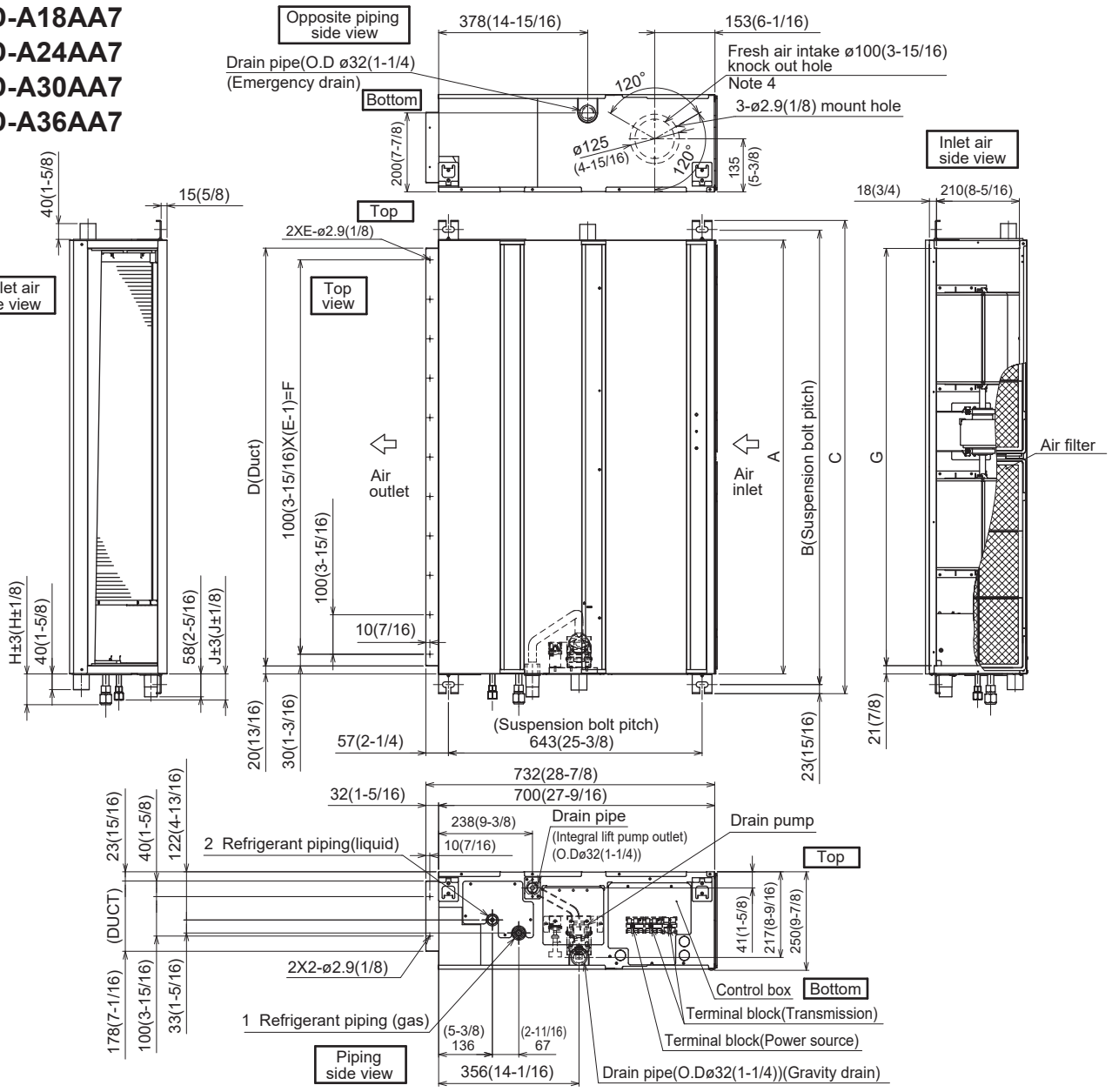
Operating range

		Indoor intake air temperature	Outdoor intake air temperature
Cooling	Maximum	D.B. 35℃(95°F), W.B. 21.7℃(71°F)	D.B. 46℃(115°F)
	Minimum	D.B. 19.4℃(67°F), W.B. 13.9℃(57°F)	D.B. -10℃(14°F)
Heating	Maximum	D.B. 26.7℃(80°F), W.B. 19.4℃(67°F)	D.B. 24℃(75°F), W.B. 18℃(65°F)
	Minimum	D.B. 21.1℃(70°F), W.B. 15.6℃(60°F)	D.B. -25℃(-13°F), W.B. -26℃(-14°F)

A.6.2 OUTLINES AND DIMENSIONS

Unit : mm(in.)

PEAD-A09AA7
PEAD-A12AA7
PEAD-A15AA7
PEAD-A18AA7
PEAD-A24AA7
PEAD-A30AA7
PEAD-A36AA7



Unit:mm(in.)

Model	A	B	C	D	E	F	G	H	J	Gas pipe	Liquid pipe
PEAD-A09AA7	900 (35-7/16)	954 (37-9/16)	1000 (39-3/8)	860 (39-3/8)	9	800 (31-1/2)	858 (33-13/16)	72 (2-7/8)	62 (2-1/2)	ø9.52 (3/8)	ø6.35 (1/4)
PEAD-A12,15,18AA7										ø12.7 (1/2)	
PEAD-A24,30AA7	1100 (43-5/16)	1154 (45-7/16)	1200 (47-1/4)	1060 (41-3/4)	11	1000 (39-3/8)	1058 (41-11/16)	78 (3-1/8)	66 (2-5/8)	ø15.88 (5/8)	ø9.52 (3/8)
PEAD-A36AA7	1400 (55-1/8)	1454 (57-1/4)	1500 (59-1/16)	1360 (53-9/16)	14	1300 (51-3/16)	1358 (53-1/2)				

Note 1.Use an M10 screw for the suspension bolt (field supply).
2.Keep the service space for maintenance at the bottom.
3.This drawing is for PEAD-A24·30·36·42AA7 models,which have 2 fans. PEAD-A09·12·15·18AA7 models have 1 fan.
4.If the inlet duct is used,remove the air filter (supplied with the unit), then install the filter (field supply) at the suction side.
5.Heat air to 0°C (32°F) or higher when taking fresh air with a fresh air intake.

[Maintenance access space] **Unit : mm(in.)**

Secure enough access space to allow for the maintenance, inspection, and replacement of the motor, fan, drain pump, heat exchanger, and control box in one of the following ways.

Select an installation site for the indoor unit so that it's maintenance access space will not be obstructed by beams or other objects.

(1) When a space of 300mm or more is available below the unit between the unit and the ceiling. (Fig.1)
- Create access door 1 and 2 (450x450mm each) as shown in Fig.2.
  (Access door 2 is not required if enough space is available below the unit for a maintenance worker to work in.)

(2) When a space of less than 300mm is available below the unit between the unit and the ceiling.
  (At least 20mm of space should be left below the unit as shown in Fig.3.)
- Create access door 1 diagonally below the control box and access door 3 below the unit as shown in Fig.4.
  or
- Create access door 4 below the control box and the unit as shown in Fig.5.

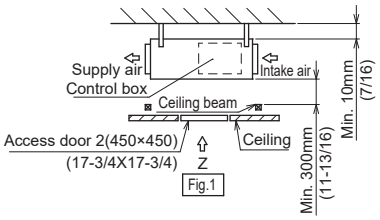


Fig.1

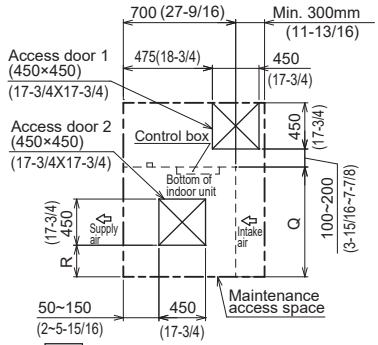


Fig.2 (Viewed from the direction of the arrow Z)

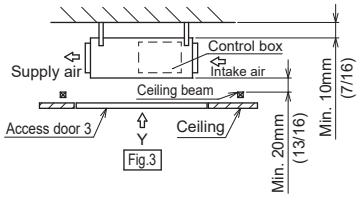


Fig.3

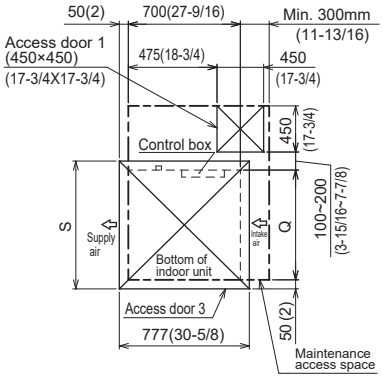


Fig.4 (Viewed from the direction of the arrow Y)

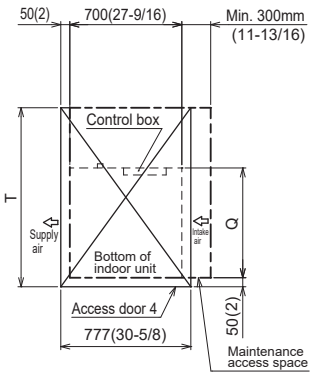
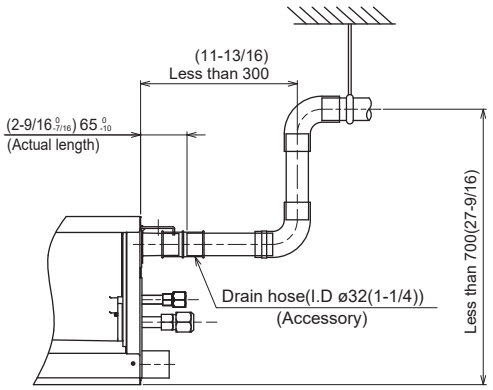
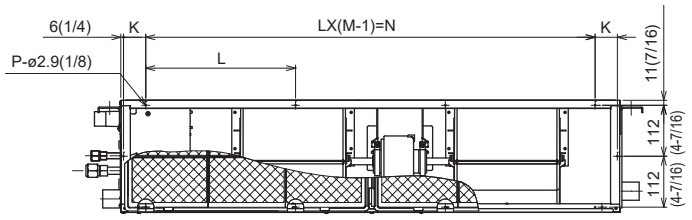


Fig.5 (Viewed from the direction of the arrow Y)





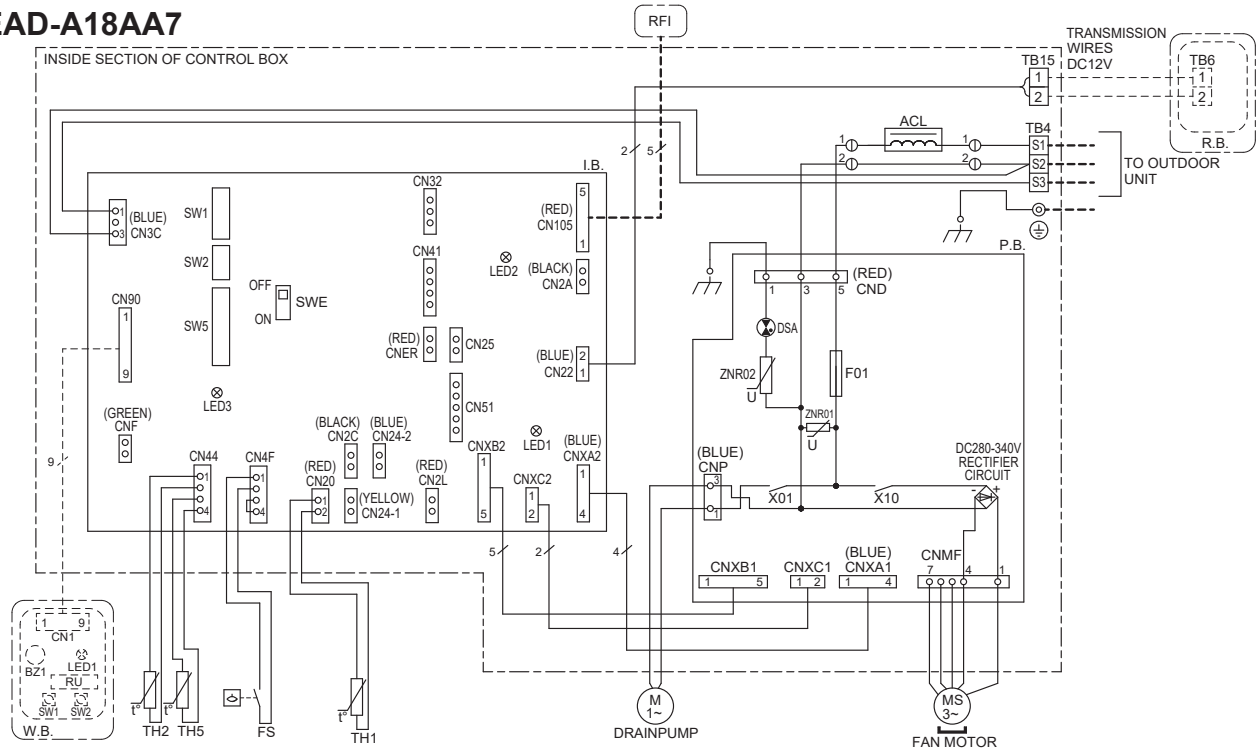
Unit:mm(in.)

Model	K	L	M	N	P	Q	R	S	T
PEAD-A09,12,15,18AA7	54 (2-3/16)	260 (10-1/4)	4	780 (30-3/4)	10	900 (35-7/16)	150 to 250 (5-15/16) to (9-7/8)	1000 (39-3/8)	1500 (59-1/16)
PEAD-A24,30AA7	49 (1-15/16)	330 (13)	4	990 (39)	10	1100 (43-5/16)	250 to 350 (9-7/8) to (13-13/16)	1200 (47-1/4)	1700 (66-15/16)
PEAD-A36,48AA7	54 (2-3/16)	320 (12-5/8)	5	1280 (50-7/16)	12	1400 (55-1/8)	400 to 500 (15-3/4) to (19-11/16)	1500 (59-1/16)	2000 (78-3/4)

A.6.3 WIRING DIAGRAM

PEAD-A09AA7
PEAD-A12AA7
PEAD-A15AA7
PEAD-A18AA7

PEAD-A24AA7
PEAD-A30AA7
PEAD-A36AA7



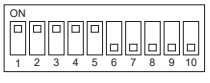
SYMBOL EXPLANATION

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
I.B.	INDOOR CONTROLLER BOARD	I.B.	INDOOR CONTROLLER BOARD	TB4	TERMINAL BLOCK (INDOOR/OUTDOOR CONNECTING LINE)
CN24-1	CONNECTOR (HEATER CONTROL 1ST)	SW1	SWITCH (FOR MODEL SELECTION)		
CN24-2	CONNECTOR (HEATER CONTROL 2ND)	SW2	SWITCH (FOR CAPACITY CODE)	TB5	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)
CN25	CONNECTOR (HUMIDITY OUTPUT)	SW5	SWITCH (FOR MODE SELECTION)		
CN2A	CONNECTOR (0-10V ANALOG INPUT)	SWE	CONNECTOR (EMERGENCY OPERATION)	OPTIONAL PARTS	
CN2C	CONNECTOR (ERV OUTPUT)	P.B.	POWER SUPPLY BOARD	W.B.	IR WIRELESS REMOTE CONTROLLER BOARD
CN2L	CONNECTOR (LOSSNAY)	F01	FUSE AC250V 6.3A	RU	RECEIVING UNIT
CN32	CONNECTOR (REMOTE SWITCH)	ZNR01,02	VARISTOR	BZ1	BUZZER
CN41	CONNECTOR (HA TERMINAL-A)	DSA	ARRESTOR	LED1	LED (RUN INDICATOR)
CN51	CONNECTOR (CENTRALLY CONTROL)	X01	AUX. RELAY	SW1	SWITCH (HEATING ON/OFF)
CN90	CONNECTOR (WIRELESS)	X10	AUX. RELAY	SW2	SWITCH (COOLING ON/OFF)
CN105	CONNECTOR (RADIO FREQUENCY INTERFACE)	TH1	INTAKE AIR TEMP. THERMISTOR	R.B.	WIRED REMOTE CONTROLLER BOARD
LED1	LED (POWER SUPPLY)	TH2	PIPE TEMP. THERMISTOR/LIQUID	TB6	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)
LED2	LED (REMOTE CONTROLLER SUPPLY)	TH5	COND./EVA. TEMP. THERMISTOR		
LED3	LED (TRANSMISSION INDDOR-OUTDOOR)	ACL	AC REACTOR (POWER FACTOR IMPROVEMENT)		
CNER	CONNECTOR (ERV INPUT)	FS	FLOAT SWITCH		
CNF	CONNECTOR (HUMIDITY INPUT)	RFI	RADIO FREQUENCY INTERFACE FOR RF THERMOSTAT		

MODEL	SW1	SW2	SW5
PEAD-A09AA7	ON 1 2 3 4 5	ON 1 2 3 4 5	ON 1 2 3 4 5 6 7 8
PEAD-A12AA7	ON 1 2 3 4 5	ON 1 2 3 4 5	ON 1 2 3 4 5 6 7 8
PEAD-A15AA7	ON 1 2 3 4 5	ON 1 2 3 4 5	ON 1 2 3 4 5 6 7 8
PEAD-A18AA7	ON 1 2 3 4 5	ON 1 2 3 4 5	ON 1 2 3 4 5 6 7 8
PEAD-A24AA7	ON 1 2 3 4 5	ON 1 2 3 4 5	ON 1 2 3 4 5 6 7 8
PEAD-A30AA7	ON 1 2 3 4 5	ON 1 2 3 4 5	ON 1 2 3 4 5 6 7 8
PEAD-A36AA7	ON 1 2 3 4 5	ON 1 2 3 4 5	ON 1 2 3 4 5 6 7 8
PEAD-A42AA7	ON 1 2 3 4 5	ON 1 2 3 4 5	ON 1 2 3 4 5 6 7 8

Note1.Since the outdoor side electric wiring may change be sure to check the outdoor unit electric wiring for servicing.
2.Indoor and outdoor connecting wires are made with polarities, make wiring matching terminal numbers (S1,S2,S3).
3.Symbols used in wiring diagram above are as follows.
:CONNECTOR
:TERMINAL
(HEAVY DOTTED LINE):FIELD WIRING
(THIN DOTTED LINE):OPTIONAL PARTS

USE COPPER SUPPLY WIRES.
UTILISER DES FILS D'ALIMENTATION EN CUIVRE.

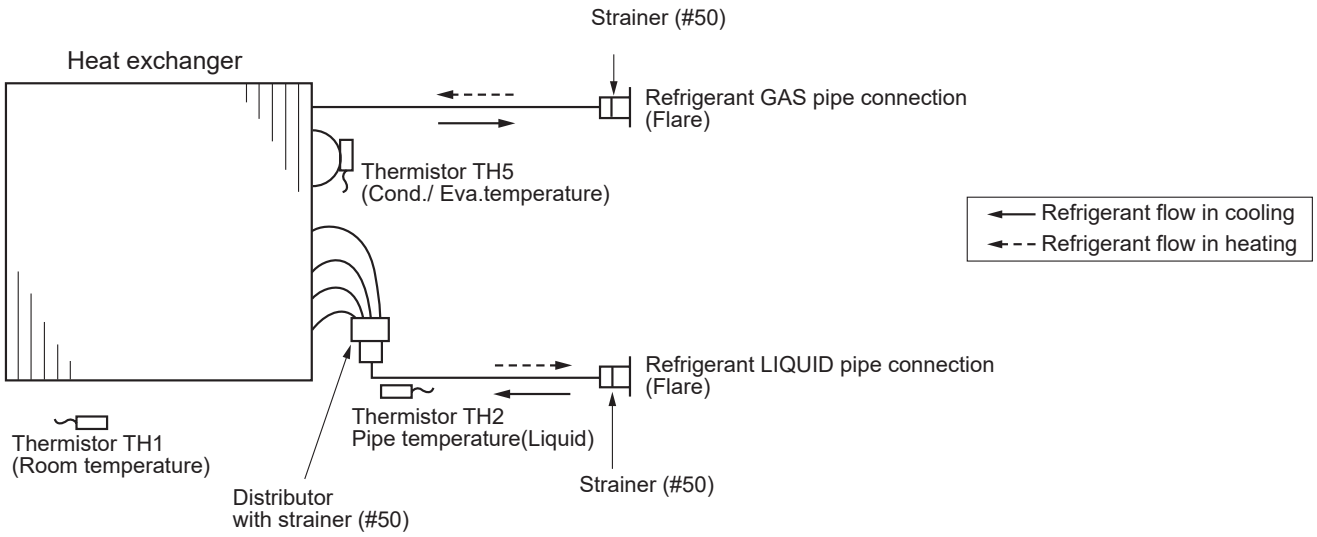


The figure at left shows that the switches 1 through 5 are set to ON and 6 through 10 are set to OFF.

A.6.4 REFRIGERANT SYSTEM DIAGRAM

PEAD-A09AA7
PEAD-A12AA7
PEAD-A15AA7
PEAD-A18AA7

PEAD-A24AA7
PEAD-A30AA7
PEAD-A36AA7



A.6.5 PERFORMANCE DATA

A.6.5.1 SUZ series

COOLING operation at Rated frequency

PEAD-A09AA7 / SUZ-KA09NA2

CAPACITY : 9000(Btu/h) INPUT :0.72(kW) SHF :0.9

		OUTDOOR DB(°F)															
INDOOR	INDOOR	68				77				86				95			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	9430	7506	0.80	0.48	8870	7060	0.80	0.54	8160	6495	0.80	0.59	7488	5960	0.80	0.64
68	64	10307	6968	0.68	0.53	9747	6589	0.68	0.59	9037	6109	0.68	0.64	8365	5655	0.68	0.69
68	61	9430	7883	0.84	0.48	8870	7415	0.84	0.54	8160	6822	0.84	0.59	7488	6260	0.84	0.64
68	64	10307	7380	0.72	0.53	9747	6979	0.72	0.59	9037	6471	0.72	0.64	8365	5989	0.72	0.69
68	68	10755	6410	0.60	0.56	10307	6143	0.60	0.60	9710	5787	0.60	0.66	9000	5364	0.60	0.72
72	61	9430	8638	0.92	0.48	8870	8124	0.92	0.54	8160	7475	0.92	0.59	7488	6859	0.92	0.64
72	64	10307	8204	0.80	0.53	9747	7759	0.80	0.59	9037	7194	0.80	0.64	8365	6659	0.80	0.69
72	68	10755	7271	0.68	0.56	10307	6968	0.68	0.60	9710	6564	0.68	0.66	9000	6084	0.68	0.72
75	61	9430	9392	1.00	0.48	8870	8834	1.00	0.54	8160	8127	1.00	0.59	7488	7458	1.00	0.64
75	64	10307	9029	0.88	0.53	9747	8538	0.88	0.59	9037	7917	0.88	0.64	8365	7328	0.88	0.69
75	68	10755	8131	0.76	0.56	10307	7792	0.76	0.60	9710	7340	0.76	0.66	9000	6804	0.76	0.72
75	72	11353	7220	0.64	0.58	10979	6983	0.64	0.64	10307	6555	0.64	0.70	9635	6128	0.64	0.75
79	61	9430	9430	1.00	0.48	8870	8870	1.00	0.54	8160	8160	1.00	0.59	7488	7488	1.00	0.64
79	64	10307	9854	0.96	0.53	9747	9318	0.96	0.59	9037	8640	0.96	0.64	8365	7997	0.96	0.69
79	68	10755	8991	0.84	0.56	10307	8617	0.84	0.60	9710	8117	0.84	0.66	9000	7524	0.84	0.72
79	72	11353	8129	0.72	0.58	10979	7861	0.72	0.64	10307	7380	0.72	0.70	9635	6899	0.72	0.75
81	61	9430	9430	1.00	0.48	8870	8870	1.00	0.54	8160	8160	1.00	0.59	7488	7488	1.00	0.64
81	64	10307	10266	1.00	0.53	9747	9708	1.00	0.59	9037	9001	1.00	0.64	8365	8332	1.00	0.69
81	68	10755	9422	0.88	0.56	10307	9029	0.88	0.60	9710	8506	0.88	0.66	9000	7884	0.88	0.72
81	72	11353	8583	0.76	0.58	10979	8300	0.76	0.64	10307	7792	0.76	0.70	9635	7284	0.76	0.75
82	61	9430	9430	1.00	0.48	8870	8870	1.00	0.54	8160	8160	1.00	0.59	7488	7488	1.00	0.64
82	64	10307	10307	1.00	0.53	9747	9747	1.00	0.59	9037	9037	1.00	0.64	8365	8365	1.00	0.69
82	68	10755	9852	0.92	0.56	10307	9441	0.92	0.60	9710	8894	0.92	0.66	9000	8244	0.92	0.72
82	72	11353	9037	0.80	0.58	10979	8739	0.80	0.64	10307	8204	0.80	0.70	9635	7669	0.80	0.75
86	61	9430	9430	1.00	0.48	8870	8870	1.00	0.54	8160	8160	1.00	0.59	7488	7488	1.00	0.64
86	64	10307	10307	1.00	0.53	9747	9747	1.00	0.59	9037	9037	1.00	0.64	8365	8365	1.00	0.69
86	68	10755	10712	1.00	0.56	10307	10266	1.00	0.60	9710	9671	1.00	0.66	9000	8964	1.00	0.72
86	72	11353	9945	0.88	0.58	10979	9618	0.88	0.64	10307	9029	0.88	0.70	9635	8440	0.88	0.75
90	61	9430	9430	1.00	0.48	8870	8870	1.00	0.54	8160	8160	1.00	0.59	7488	7488	1.00	0.64
90	64	10307	10307	1.00	0.53	9747	9747	1.00	0.59	9037	9037	1.00	0.64	8365	8365	1.00	0.69
90	68	10755	10755	1.00	0.56	10307	10307	1.00	0.60	9710	9710	1.00	0.66	9000	9000	1.00	0.72
90	72	11353	10853	0.96	0.58	10979	10496	0.96	0.64	10307	9854	0.96	0.70	9635	9211	0.96	0.75

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
PEAD-A09AA7 / SUZ-KA09NA2
CAPACITY : 9000(Btu/h) INPUT :0.72(kW) SHF :0.9

		OUTDOOR DB(℉)							
INDOOR	INDOOR	104				115			
DB(℉)	WB(℉)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	6816	5425	0.80	0.67	6143	4890	0.80	0.71
68	64	7693	5200	0.68	0.72	7021	4746	0.68	0.76
68	61	6816	5698	0.84	0.67	6143	5136	0.84	0.71
68	64	7693	5508	0.72	0.72	7021	5027	0.72	0.76
68	68	8290	4941	0.60	0.76	7693	4585	0.60	0.79
72	61	6816	6243	0.92	0.67	6143	5627	0.92	0.71
72	64	7693	6124	0.80	0.72	7021	5589	0.80	0.76
72	68	8290	5604	0.68	0.76	7693	5200	0.68	0.79
75	61	6816	6788	1.00	0.67	6143	6119	1.00	0.71
75	64	7693	6739	0.88	0.72	7021	6150	0.88	0.76
75	68	8290	6268	0.76	0.76	7693	5816	0.76	0.79
75	72	8963	5700	0.64	0.79	8216	5225	0.64	0.81
79	61	6816	6816	1.00	0.67	6143	6143	1.00	0.71
79	64	7693	7354	0.96	0.72	7021	6712	0.96	0.76
79	68	8290	6931	0.84	0.76	7693	6431	0.84	0.79
79	72	8963	6417	0.72	0.79	8216	5882	0.72	0.81
81	61	6816	6816	1.00	0.67	6143	6143	1.00	0.71
81	64	7693	7662	1.00	0.72	7021	6993	1.00	0.76
81	68	8290	7262	0.88	0.76	7693	6739	0.88	0.79
81	72	8963	6776	0.76	0.79	8216	6211	0.76	0.81
82	61	6816	6816	1.00	0.67	6143	6143	1.00	0.71
82	64	7693	7693	1.00	0.72	7021	7021	1.00	0.76
82	68	8290	7594	0.92	0.76	7693	7047	0.92	0.79
82	72	8963	7134	0.80	0.79	8216	6540	0.80	0.81
86	61	6816	6816	1.00	0.67	6143	6143	1.00	0.71
86	64	7693	7693	1.00	0.72	7021	7021	1.00	0.76
86	68	8290	8257	1.00	0.76	7693	7662	1.00	0.79
86	72	8963	7851	0.88	0.79	8216	7197	0.88	0.81
90	61	6816	6816	1.00	0.67	6143	6143	1.00	0.71
90	64	7693	7693	1.00	0.72	7021	7021	1.00	0.76
90	68	8290	8290	1.00	0.76	7693	7693	1.00	0.79
90	72	8963	8568	0.96	0.79	8216	7854	0.96	0.81

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
PEAD-A12AA7 / SUZ-KA12NA2
CAPACITY :12000(Btu/h) INPUT :0.93(kW) SHF :0.9

		OUTDOOR DB(°F)															
INDOOR	INDOOR	68				77				86				95			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	12573	10008	0.80	0.62	11826	9414	0.80	0.70	10880	8660	0.80	0.76	9984	7947	0.80	0.83
68	64	13743	9290	0.68	0.68	12996	8785	0.68	0.76	12050	8146	0.68	0.83	11154	7540	0.68	0.89
68	61	12573	10511	0.84	0.62	11826	9887	0.84	0.70	10880	9096	0.84	0.76	9984	8346	0.84	0.83
68	64	13743	9840	0.72	0.68	12996	9305	0.72	0.76	12050	8628	0.72	0.83	11154	7986	0.72	0.89
68	68	14340	8547	0.60	0.72	13743	8191	0.60	0.78	12946	7716	0.60	0.86	12000	7152	0.60	0.93
72	61	12573	11517	0.92	0.62	11826	10833	0.92	0.70	10880	9966	0.92	0.76	9984	9145	0.92	0.83
72	64	13743	10939	0.80	0.68	12996	10345	0.80	0.76	12050	9592	0.80	0.83	11154	8878	0.80	0.89
72	68	14340	9694	0.68	0.72	13743	9290	0.68	0.78	12946	8752	0.68	0.86	12000	8112	0.68	0.93
75	61	12573	12523	1.00	0.62	11826	11779	1.00	0.70	10880	10836	1.00	0.76	9984	9944	1.00	0.83
75	64	13743	12039	0.88	0.68	12996	11384	0.88	0.76	12050	10556	0.88	0.83	11154	9770	0.88	0.89
75	68	14340	10841	0.76	0.72	13743	10390	0.76	0.78	12946	9787	0.76	0.86	12000	9072	0.76	0.93
75	72	15137	9627	0.64	0.75	14639	9310	0.64	0.83	13743	8740	0.64	0.90	12846	8170	0.64	0.97
79	61	12573	12573	1.00	0.62	11826	11826	1.00	0.70	10880	10880	1.00	0.76	9984	9984	1.00	0.83
79	64	13743	13138	0.96	0.68	12996	12424	0.96	0.76	12050	11520	0.96	0.83	11154	10663	0.96	0.89
79	68	14340	11988	0.84	0.72	13743	11489	0.84	0.78	12946	10823	0.84	0.86	12000	10032	0.84	0.93
79	72	15137	10838	0.72	0.75	14639	10482	0.72	0.83	13743	9840	0.72	0.90	12846	9198	0.72	0.97
81	61	12573	12573	1.00	0.62	11826	11826	1.00	0.70	10880	10880	1.00	0.76	9984	9984	1.00	0.83
81	64	13743	13688	1.00	0.68	12996	12944	1.00	0.76	12050	12002	1.00	0.83	11154	11109	1.00	0.89
81	68	14340	12562	0.88	0.72	13743	12039	0.88	0.78	12946	11341	0.88	0.86	12000	10512	0.88	0.93
81	72	15137	11444	0.76	0.75	14639	11067	0.76	0.83	13743	10390	0.76	0.90	12846	9712	0.76	0.97
82	61	12573	12573	1.00	0.62	11826	11826	1.00	0.70	10880	10880	1.00	0.76	9984	9984	1.00	0.83
82	64	13743	13743	1.00	0.68	12996	12996	1.00	0.76	12050	12050	1.00	0.83	11154	11154	1.00	0.89
82	68	14340	13136	0.92	0.72	13743	12588	0.92	0.78	12946	11859	0.92	0.86	12000	10992	0.92	0.93
82	72	15137	12049	0.80	0.75	14639	11653	0.80	0.83	13743	10939	0.80	0.90	12846	10226	0.80	0.97
86	61	12573	12573	1.00	0.62	11826	11826	1.00	0.70	10880	10880	1.00	0.76	9984	9984	1.00	0.83
86	64	13743	13743	1.00	0.68	12996	12996	1.00	0.76	12050	12050	1.00	0.83	11154	11154	1.00	0.89
86	68	14340	14283	1.00	0.72	13743	13688	1.00	0.78	12946	12894	1.00	0.86	12000	11952	1.00	0.93
86	72	15137	13260	0.88	0.75	14639	12824	0.88	0.83	13743	12039	0.88	0.90	12846	11254	0.88	0.97
90	61	12573	12573	1.00	0.62	11826	11826	1.00	0.70	10880	10880	1.00	0.76	9984	9984	1.00	0.83
90	64	13743	13743	1.00	0.68	12996	12996	1.00	0.76	12050	12050	1.00	0.83	11154	11154	1.00	0.89
90	68	14340	14340	1.00	0.72	13743	13743	1.00	0.78	12946	12946	1.00	0.86	12000	12000	1.00	0.93
90	72	15137	14471	0.96	0.75	14639	13995	0.96	0.83	13743	13138	0.96	0.90	12846	12281	0.96	0.97

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
PEAD-A12AA7 / SUZ-KA12NA2
CAPACITY :12000(Btu/h) INPUT :0.93(kW) SHF :0.9

		OUTDOOR DB(℉)							
INDOOR	INDOOR	104				115			
DB(℉)	WB(℉)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	9087	7234	0.80	0.87	8191	6520	0.80	0.91
68	64	10257	6934	0.68	0.93	9361	6328	0.68	0.98
68	61	9087	7597	0.84	0.87	8191	6848	0.84	0.91
68	64	10257	7344	0.72	0.93	9361	6702	0.72	0.98
68	68	11054	6588	0.60	0.98	10257	6113	0.60	1.02
72	61	9087	8324	0.92	0.87	8191	7503	0.92	0.91
72	64	10257	8165	0.80	0.93	9361	7451	0.80	0.98
72	68	11054	7472	0.68	0.98	10257	6934	0.68	1.02
75	61	9087	9051	1.00	0.87	8191	8158	1.00	0.91
75	64	10257	8985	0.88	0.93	9361	8200	0.88	0.98
75	68	11054	8357	0.76	0.98	10257	7754	0.76	1.02
75	72	11950	7600	0.64	1.01	10954	6967	0.64	1.04
79	61	9087	9087	1.00	0.87	8191	8191	1.00	0.91
79	64	10257	9806	0.96	0.93	9361	8949	0.96	0.98
79	68	11054	9241	0.84	0.98	10257	8575	0.84	1.02
79	72	11950	8556	0.72	1.01	10954	7843	0.72	1.04
81	61	9087	9087	1.00	0.87	8191	8191	1.00	0.91
81	64	10257	10216	1.00	0.93	9361	9324	1.00	0.98
81	68	11054	9683	0.88	0.98	10257	8985	0.88	1.02
81	72	11950	9034	0.76	1.01	10954	8281	0.76	1.04
82	61	9087	9087	1.00	0.87	8191	8191	1.00	0.91
82	64	10257	10257	1.00	0.93	9361	9361	1.00	0.98
82	68	11054	10125	0.92	0.98	10257	9396	0.92	1.02
82	72	11950	9512	0.80	1.01	10954	8720	0.80	1.04
86	61	9087	9087	1.00	0.87	8191	8191	1.00	0.91
86	64	10257	10257	1.00	0.93	9361	9361	1.00	0.98
86	68	11054	11010	1.00	0.98	10257	10216	1.00	1.02
86	72	11950	10468	0.88	1.01	10954	9596	0.88	1.04
90	61	9087	9087	1.00	0.87	8191	8191	1.00	0.91
90	64	10257	10257	1.00	0.93	9361	9361	1.00	0.98
90	68	11054	11054	1.00	0.98	10257	10257	1.00	1.02
90	72	11950	11424	0.96	1.01	10954	10472	0.96	1.04

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
PEAD-A15AA7 / SUZ-KA15NA2
CAPACITY : 15000(Btu/h) INPUT :1.15(kW) SHF :0.9

		OUTDOOR DB(°F)															
INDOOR	INDOOR	68				77				86				95			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	15716	12510	0.80	0.76	14783	11767	0.80	0.87	13600	10826	0.80	0.95	12480	9934	0.80	1.02
68	64	17178	11613	0.68	0.84	16245	10981	0.68	0.94	15062	10182	0.68	1.02	13942	9425	0.68	1.10
68	61	15716	13139	0.84	0.76	14783	12358	0.84	0.87	13600	11370	0.84	0.95	12480	10433	0.84	1.02
68	64	17178	12300	0.72	0.84	16245	11631	0.72	0.94	15062	10785	0.72	1.02	13942	9982	0.72	1.10
68	68	17925	10683	0.60	0.89	17178	10238	0.60	0.97	16183	9645	0.60	1.06	15000	8940	0.60	1.15
72	61	15716	14396	0.92	0.76	14783	13541	0.92	0.87	13600	12458	0.92	0.95	12480	11431	0.92	1.02
72	64	17178	13674	0.80	0.84	16245	12931	0.80	0.94	15062	11990	0.80	1.02	13942	11098	0.80	1.10
72	68	17925	12118	0.68	0.89	17178	11613	0.68	0.97	16183	10939	0.68	1.06	15000	10140	0.68	1.15
75	61	15716	15653	1.00	0.76	14783	14723	1.00	0.87	13600	13546	1.00	0.95	12480	12430	1.00	1.02
75	64	17178	15048	0.88	0.84	16245	14230	0.88	0.94	15062	13195	0.88	1.02	13942	12213	0.88	1.10
75	68	17925	13552	0.76	0.89	17178	12987	0.76	0.97	16183	12234	0.76	1.06	15000	11340	0.76	1.15
75	72	18921	12034	0.64	0.92	18299	11638	0.64	1.02	17178	10925	0.64	1.11	16058	10213	0.64	1.20
79	61	15716	15716	1.00	0.76	14783	14783	1.00	0.87	13600	13600	1.00	0.95	12480	12480	1.00	1.02
79	64	17178	16423	0.96	0.84	16245	15530	0.96	0.94	15062	14400	0.96	1.02	13942	13328	0.96	1.10
79	68	17925	14986	0.84	0.89	17178	14361	0.84	0.97	16183	13529	0.84	1.06	15000	12540	0.84	1.15
79	72	18921	13548	0.72	0.92	18299	13102	0.72	1.02	17178	12300	0.72	1.11	16058	11498	0.72	1.20
81	61	15716	15716	1.00	0.76	14783	14783	1.00	0.87	13600	13600	1.00	0.95	12480	12480	1.00	1.02
81	64	17178	17110	1.00	0.84	16245	16180	1.00	0.94	15062	15002	1.00	1.02	13942	13886	1.00	1.10
81	68	17925	15703	0.88	0.89	17178	15048	0.88	0.97	16183	14176	0.88	1.06	15000	13140	0.88	1.15
81	72	18921	14304	0.76	0.92	18299	13834	0.76	1.02	17178	12987	0.76	1.11	16058	12140	0.76	1.20
82	61	15716	15716	1.00	0.76	14783	14783	1.00	0.87	13600	13600	1.00	0.95	12480	12480	1.00	1.02
82	64	17178	17178	1.00	0.84	16245	16245	1.00	0.94	15062	15062	1.00	1.02	13942	13942	1.00	1.10
82	68	17925	16420	0.92	0.89	17178	15735	0.92	0.97	16183	14823	0.92	1.06	15000	13740	0.92	1.15
82	72	18921	15061	0.80	0.92	18299	14566	0.80	1.02	17178	13674	0.80	1.11	16058	12782	0.80	1.20
86	61	15716	15716	1.00	0.76	14783	14783	1.00	0.87	13600	13600	1.00	0.95	12480	12480	1.00	1.02
86	64	17178	17178	1.00	0.84	16245	16245	1.00	0.94	15062	15062	1.00	1.02	13942	13942	1.00	1.10
86	68	17925	17854	1.00	0.89	17178	17110	1.00	0.97	16183	16118	1.00	1.06	15000	14940	1.00	1.15
86	72	18921	16575	0.88	0.92	18299	16030	0.88	1.02	17178	15048	0.88	1.11	16058	14067	0.88	1.20
90	61	15716	15716	1.00	0.76	14783	14783	1.00	0.87	13600	13600	1.00	0.95	12480	12480	1.00	1.02
90	64	17178	17178	1.00	0.84	16245	16245	1.00	0.94	15062	15062	1.00	1.02	13942	13942	1.00	1.10
90	68	17925	17925	1.00	0.89	17178	17178	1.00	0.97	16183	16183	1.00	1.06	15000	15000	1.00	1.15
90	72	18921	18089	0.96	0.92	18299	17494	0.96	1.02	17178	16423	0.96	1.11	16058	15352	0.96	1.20

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
PEAD-A15AA7 / SUZ-KA15NA2
CAPACITY : 15000(Btu/h) INPUT :1.15(kW) SHF :0.9

		OUTDOOR DB(℉)							
INDOOR	INDOOR	104				115			
DB(℉)	WB(℉)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	11359	9042	0.80	1.08	10239	8150	0.80	1.13
68	64	12822	8667	0.68	1.16	11701	7910	0.68	1.21
68	61	11359	9496	0.84	1.08	10239	8560	0.84	1.13
68	64	12822	9180	0.72	1.16	11701	8378	0.72	1.21
68	68	13817	8235	0.60	1.21	12822	7642	0.60	1.26
72	61	11359	10405	0.92	1.08	10239	9379	0.92	1.13
72	64	12822	10206	0.80	1.16	11701	9314	0.80	1.21
72	68	13817	9341	0.68	1.21	12822	8667	0.68	1.26
75	61	11359	11314	1.00	1.08	10239	10198	1.00	1.13
75	64	12822	11232	0.88	1.16	11701	10250	0.88	1.21
75	68	13817	10446	0.76	1.21	12822	9693	0.76	1.26
75	72	14938	9500	0.64	1.26	13693	8709	0.64	1.29
79	61	11359	11359	1.00	1.08	10239	10239	1.00	1.13
79	64	12822	12257	0.96	1.16	11701	11186	0.96	1.21
79	68	13817	11551	0.84	1.21	12822	10719	0.84	1.26
79	72	14938	10695	0.72	1.26	13693	9804	0.72	1.29
81	61	11359	11359	1.00	1.08	10239	10239	1.00	1.13
81	64	12822	12770	1.00	1.16	11701	11654	1.00	1.21
81	68	13817	12104	0.88	1.21	12822	11232	0.88	1.26
81	72	14938	11293	0.76	1.26	13693	10352	0.76	1.29
82	61	11359	11359	1.00	1.08	10239	10239	1.00	1.13
82	64	12822	12822	1.00	1.16	11701	11701	1.00	1.21
82	68	13817	12657	0.92	1.21	12822	11745	0.92	1.26
82	72	14938	11890	0.80	1.26	13693	10900	0.80	1.29
86	61	11359	11359	1.00	1.08	10239	10239	1.00	1.13
86	64	12822	12822	1.00	1.16	11701	11701	1.00	1.21
86	68	13817	13762	1.00	1.21	12822	12770	1.00	1.26
86	72	14938	13085	0.88	1.26	13693	11995	0.88	1.29
90	61	11359	11359	1.00	1.08	10239	10239	1.00	1.13
90	64	12822	12822	1.00	1.16	11701	11701	1.00	1.21
90	68	13817	13817	1.00	1.21	12822	12822	1.00	1.26
90	72	14938	14280	0.96	1.26	13693	13090	0.96	1.29

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
PEAD-A18AA7 / SUZ-KA18NA2
CAPACITY :18000(Btu/h) INPUT :1.27(kW) SHF :0.8

		OUTDOOR DB(°F)															
INDOOR	INDOOR	68				77				86				95			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	18859	13126	0.70	0.84	17739	12346	0.70	0.96	16320	11359	0.70	1.04	14976	10423	0.70	1.13
68	64	20614	11874	0.58	0.93	19494	11228	0.58	1.04	18075	10411	0.58	1.13	16730	9637	0.58	1.22
68	61	18859	13881	0.74	0.84	17739	13056	0.74	0.96	16320	12012	0.74	1.04	14976	11022	0.74	1.13
68	64	20614	12698	0.62	0.93	19494	12008	0.62	1.04	18075	11134	0.62	1.13	16730	10306	0.62	1.22
68	68	21510	10669	0.50	0.98	20614	10225	0.50	1.07	19419	9632	0.50	1.17	18000	8928	0.50	1.27
72	61	18859	15389	0.82	0.84	17739	14475	0.82	0.96	16320	13317	0.82	1.04	14976	12220	0.82	1.13
72	64	20614	14347	0.70	0.93	19494	13568	0.70	1.04	18075	12580	0.70	1.13	16730	11644	0.70	1.22
72	68	21510	12390	0.58	0.98	20614	11874	0.58	1.07	19419	11185	0.58	1.17	18000	10368	0.58	1.27
75	61	18859	16898	0.90	0.84	17739	15894	0.90	0.96	16320	14623	0.90	1.04	14976	13418	0.90	1.13
75	64	20614	15997	0.78	0.93	19494	15127	0.78	1.04	18075	14026	0.78	1.13	16730	12983	0.78	1.22
75	68	21510	14111	0.66	0.98	20614	13523	0.66	1.07	19419	12739	0.66	1.17	18000	11808	0.66	1.27
75	72	22705	12170	0.54	1.02	21959	11770	0.54	1.13	20614	11049	0.54	1.23	19270	10329	0.54	1.32
79	61	18859	18407	0.98	0.84	17739	17313	0.98	0.96	16320	15928	0.98	1.04	14976	14616	0.98	1.13
79	64	20614	17646	0.86	0.93	19494	16687	0.86	1.04	18075	15472	0.86	1.13	16730	14321	0.86	1.22
79	68	21510	15832	0.74	0.98	20614	15172	0.74	1.07	19419	14292	0.74	1.17	18000	13248	0.74	1.27
79	72	22705	13987	0.62	1.02	21959	13526	0.62	1.13	20614	12698	0.62	1.23	19270	11870	0.62	1.32
81	61	18859	18859	1.00	0.84	17739	17739	1.00	0.96	16320	16320	1.00	1.04	14976	14976	1.00	1.13
81	64	20614	18470	0.90	0.93	19494	17466	0.90	1.04	18075	16195	0.90	1.13	16730	14990	0.90	1.22
81	68	21510	16692	0.78	0.98	20614	15997	0.78	1.07	19419	15069	0.78	1.17	18000	13968	0.78	1.27
81	72	22705	14895	0.66	1.02	21959	14405	0.66	1.13	20614	13523	0.66	1.23	19270	12641	0.66	1.32
82	61	18859	18859	1.00	0.84	17739	17739	1.00	0.96	16320	16320	1.00	1.04	14976	14976	1.00	1.13
82	64	20614	19295	0.94	0.93	19494	18246	0.94	1.04	18075	16918	0.94	1.13	16730	15660	0.94	1.22
82	68	21510	17552	0.82	0.98	20614	16821	0.82	1.07	19419	15846	0.82	1.17	18000	14688	0.82	1.27
82	72	22705	15803	0.70	1.02	21959	15283	0.70	1.13	20614	14347	0.70	1.23	19270	13412	0.70	1.32
86	61	18859	18859	1.00	0.84	17739	17739	1.00	0.96	16320	16320	1.00	1.04	14976	14976	1.00	1.13
86	64	20614	20614	1.00	0.93	19494	19494	1.00	1.04	18075	18075	1.00	1.13	16730	16730	1.00	1.22
86	68	21510	19273	0.90	0.98	20614	18470	0.90	1.07	19419	17400	0.90	1.17	18000	16128	0.90	1.27
86	72	22705	17619	0.78	1.02	21959	17040	0.78	1.13	20614	15997	0.78	1.23	19270	14953	0.78	1.32
90	61	18859	18859	1.00	0.84	17739	17739	1.00	0.96	16320	16320	1.00	1.04	14976	14976	1.00	1.13
90	64	20614	20614	1.00	0.93	19494	19494	1.00	1.04	18075	18075	1.00	1.13	16730	16730	1.00	1.22
90	68	21510	20994	0.98	0.98	20614	20119	0.98	1.07	19419	18953	0.98	1.17	18000	17568	0.98	1.27
90	72	22705	19436	0.86	1.02	21959	18796	0.86	1.13	20614	17646	0.86	1.23	19270	16495	0.86	1.32

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
PEAD-A18AA7 / SUZ-KA18NA2
CAPACITY :18000(Btu/h) INPUT :1.27(kW) SHF :0.8

		OUTDOOR DB(℉)							
INDOOR	INDOOR	104				115			
DB(℉)	WB(℉)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	13631	9487	0.70	1.19	12287	8552	0.70	1.25
68	64	15386	8862	0.58	1.28	14041	8088	0.58	1.33
68	61	13631	10033	0.74	1.19	12287	9043	0.74	1.25
68	64	15386	9478	0.62	1.28	14041	8650	0.62	1.33
68	68	16581	8224	0.50	1.33	15386	7631	0.50	1.39
72	61	13631	11123	0.82	1.19	12287	10026	0.82	1.25
72	64	15386	10709	0.70	1.28	14041	9773	0.70	1.33
72	68	16581	9551	0.58	1.33	15386	8862	0.58	1.39
75	61	13631	12214	0.90	1.19	12287	11009	0.90	1.25
75	64	15386	11939	0.78	1.28	14041	10896	0.78	1.33
75	68	16581	10877	0.66	1.33	15386	10093	0.66	1.39
75	72	17925	9608	0.54	1.39	16432	8807	0.54	1.43
79	61	13631	13304	0.98	1.19	12287	11992	0.98	1.25
79	64	15386	13170	0.86	1.28	14041	12020	0.86	1.33
79	68	16581	12204	0.74	1.33	15386	11324	0.74	1.39
79	72	17925	11042	0.62	1.39	16432	10122	0.62	1.43
81	61	13631	13631	1.00	1.19	12287	12287	1.00	1.25
81	64	15386	13786	0.90	1.28	14041	12581	0.90	1.33
81	68	16581	12867	0.78	1.33	15386	11939	0.78	1.39
81	72	17925	11759	0.66	1.39	16432	10779	0.66	1.43
82	61	13631	13631	1.00	1.19	12287	12287	1.00	1.25
82	64	15386	14401	0.94	1.28	14041	13143	0.94	1.33
82	68	16581	13530	0.82	1.33	15386	12555	0.82	1.39
82	72	17925	12476	0.70	1.39	16432	11436	0.70	1.43
86	61	13631	13631	1.00	1.19	12287	12287	1.00	1.25
86	64	15386	15386	1.00	1.28	14041	14041	1.00	1.33
86	68	16581	14856	0.90	1.33	15386	13786	0.90	1.39
86	72	17925	13910	0.78	1.39	16432	12751	0.78	1.43
90	61	13631	13631	1.00	1.19	12287	12287	1.00	1.25
90	64	15386	15386	1.00	1.28	14041	14041	1.00	1.33
90	68	16581	16183	0.98	1.33	15386	15017	0.98	1.39
90	72	17925	15344	0.86	1.39	16432	14065	0.86	1.43

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
PEAD-A24AA7 / SUZ-KA24NA2
CAPACITY : 24000(Btu/h) INPUT :1.92(kW) SHF :0.77

		OUTDOOR DB(°F)															
INDOOR	INDOOR	68				77				86				95			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	25146	16747	0.67	1.27	23652	15752	0.67	1.45	21760	14492	0.67	1.58	19967	13298	0.67	1.71
68	64	27485	15007	0.55	1.40	25992	14191	0.55	1.58	24100	13158	0.55	1.71	22307	12180	0.55	1.84
68	61	25146	17753	0.71	1.27	23652	16698	0.71	1.45	21760	15363	0.71	1.58	19967	14097	0.71	1.71
68	64	27485	16106	0.59	1.40	25992	15231	0.59	1.58	24100	14122	0.59	1.71	22307	13072	0.59	1.84
68	68	28680	13365	0.47	1.48	27485	12808	0.47	1.61	25892	12066	0.47	1.77	24000	11184	0.47	1.92
72	61	25146	19765	0.79	1.27	23652	18591	0.79	1.45	21760	17103	0.79	1.58	19967	15694	0.79	1.71
72	64	27485	18305	0.67	1.40	25992	17310	0.67	1.58	24100	16050	0.67	1.71	22307	14856	0.67	1.84
72	68	28680	15660	0.55	1.48	27485	15007	0.55	1.61	25892	14137	0.55	1.77	24000	13104	0.55	1.92
75	61	25146	21776	0.87	1.27	23652	20483	0.87	1.45	21760	18844	0.87	1.58	19967	17292	0.87	1.71
75	64	27485	20504	0.75	1.40	25992	19390	0.75	1.58	24100	17978	0.75	1.71	22307	16641	0.75	1.84
75	68	28680	17954	0.63	1.48	27485	17206	0.63	1.61	25892	16208	0.63	1.77	24000	15024	0.63	1.92
75	72	30274	15319	0.51	1.54	29278	14815	0.51	1.71	27485	13908	0.51	1.86	25693	13001	0.51	2.00
79	61	25146	23788	0.95	1.27	23652	22375	0.95	1.45	21760	20585	0.95	1.58	19967	18889	0.95	1.71
79	64	27485	22703	0.83	1.40	25992	21469	0.83	1.58	24100	19906	0.83	1.71	22307	18426	0.83	1.84
79	68	28680	20248	0.71	1.48	27485	19405	0.71	1.61	25892	18280	0.71	1.77	24000	16944	0.71	1.92
79	72	30274	17740	0.59	1.54	29278	17157	0.59	1.71	27485	16106	0.59	1.86	25693	15056	0.59	2.00
81	61	25146	24794	0.99	1.27	23652	23321	0.99	1.45	21760	21455	0.99	1.58	19967	19688	0.99	1.71
81	64	27485	23802	0.87	1.40	25992	22509	0.87	1.58	24100	20870	0.87	1.71	22307	19318	0.87	1.84
81	68	28680	21396	0.75	1.48	27485	20504	0.75	1.61	25892	19316	0.75	1.77	24000	17904	0.75	1.92
81	72	30274	18951	0.63	1.54	29278	18328	0.63	1.71	27485	17206	0.63	1.86	25693	16084	0.63	2.00
82	61	25146	25146	1.00	1.27	23652	23652	1.00	1.45	21760	21760	1.00	1.58	19967	19967	1.00	1.71
82	64	27485	24902	0.91	1.40	25992	23548	0.91	1.58	24100	21834	0.91	1.71	22307	20210	0.91	1.84
82	68	28680	22543	0.79	1.48	27485	21604	0.79	1.61	25892	20351	0.79	1.77	24000	18864	0.79	1.92
82	72	30274	20162	0.67	1.54	29278	19499	0.67	1.71	27485	18305	0.67	1.86	25693	17112	0.67	2.00
86	61	25146	25146	1.00	1.27	23652	23652	1.00	1.45	21760	21760	1.00	1.58	19967	19967	1.00	1.71
86	64	27485	27101	0.99	1.40	25992	25628	0.99	1.58	24100	23762	0.99	1.71	22307	21995	0.99	1.84
86	68	28680	24837	0.87	1.48	27485	23802	0.87	1.61	25892	22423	0.87	1.77	24000	20784	0.87	1.92
86	72	30274	22584	0.75	1.54	29278	21841	0.75	1.71	27485	20504	0.75	1.86	25693	19167	0.75	2.00
90	61	25146	25146	1.00	1.27	23652	23652	1.00	1.45	21760	21760	1.00	1.58	19967	19967	1.00	1.71
90	64	27485	27485	1.00	1.40	25992	25992	1.00	1.58	24100	24100	1.00	1.71	22307	22307	1.00	1.84
90	68	28680	27132	0.95	1.48	27485	26001	0.95	1.61	25892	24494	0.95	1.77	24000	22704	0.95	1.92
90	72	30274	25006	0.83	1.54	29278	24184	0.83	1.71	27485	22703	0.83	1.86	25693	21222	0.83	2.00

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
PEAD-A24AA7 / SUZ-KA24NA2
CAPACITY : 24000(Btu/h) INPUT :1.92(kW) SHF :0.77

		OUTDOOR DB(℉)							
INDOOR	INDOOR	104				115			
DB(℉)	WB(℉)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	18175	12105	0.67	1.80	16382	10911	0.67	1.89
68	64	20515	11201	0.55	1.93	18722	10222	0.55	2.02
68	61	18175	12832	0.71	1.80	16382	11566	0.71	1.89
68	64	20515	12022	0.59	1.93	18722	10971	0.59	2.02
68	68	22108	10302	0.47	2.02	20515	9560	0.47	2.10
72	61	18175	14285	0.79	1.80	16382	12877	0.79	1.89
72	64	20515	13663	0.67	1.93	18722	12469	0.67	2.02
72	68	22108	12071	0.55	2.02	20515	11201	0.55	2.10
75	61	18175	15739	0.87	1.80	16382	14187	0.87	1.89
75	64	20515	15304	0.75	1.93	18722	13967	0.75	2.02
75	68	22108	13840	0.63	2.02	20515	12842	0.63	2.10
75	72	23900	12094	0.51	2.10	21909	11086	0.51	2.16
79	61	18175	17193	0.95	1.80	16382	15498	0.95	1.89
79	64	20515	16945	0.83	1.93	18722	15464	0.83	2.02
79	68	22108	15608	0.71	2.02	20515	14483	0.71	2.10
79	72	23900	14006	0.59	2.10	21909	12839	0.59	2.16
81	61	18175	17920	0.99	1.80	16382	16153	0.99	1.89
81	64	20515	17766	0.87	1.93	18722	16213	0.87	2.02
81	68	22108	16492	0.75	2.02	20515	15304	0.75	2.10
81	72	23900	14962	0.63	2.10	21909	13715	0.63	2.16
82	61	18175	18175	1.00	1.80	16382	16382	1.00	1.89
82	64	20515	18586	0.91	1.93	18722	16962	0.91	2.02
82	68	22108	17377	0.79	2.02	20515	16124	0.79	2.10
82	72	23900	15918	0.67	2.10	21909	14591	0.67	2.16
86	61	18175	18175	1.00	1.80	16382	16382	1.00	1.89
86	64	20515	20227	0.99	1.93	18722	18460	0.99	2.02
86	68	22108	19145	0.87	2.02	20515	17766	0.87	2.10
86	72	23900	17830	0.75	2.10	21909	16344	0.75	2.16
90	61	18175	18175	1.00	1.80	16382	16382	1.00	1.89
90	64	20515	20515	1.00	1.93	18722	18722	1.00	2.02
90	68	22108	20914	0.95	2.02	20515	19407	0.95	2.10
90	72	23900	19742	0.83	2.10	21909	18097	0.83	2.16

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
PEAD-A30AA7 / SUZ-KA30NA2
CAPACITY : 27000(Btu/h) INPUT :2.16(kW) SHF :0.84

		OUTDOOR DB(°F)															
INDOOR	INDOOR	68				77				86				95			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	28289	20821	0.74	1.43	26609	19584	0.74	1.63	24480	18017	0.74	1.78	22463	16533	0.74	1.92
68	64	30921	19047	0.62	1.58	29241	18012	0.62	1.77	27112	16701	0.62	1.92	25095	15459	0.62	2.07
68	61	28289	21952	0.78	1.43	26609	20648	0.78	1.63	24480	18996	0.78	1.78	22463	17432	0.78	1.92
68	64	30921	20284	0.66	1.58	29241	19182	0.66	1.77	27112	17785	0.66	1.92	25095	16463	0.66	2.07
68	68	32266	17294	0.54	1.67	30921	16574	0.54	1.81	29129	15613	0.54	1.99	27000	14472	0.54	2.16
72	61	28289	24215	0.86	1.43	26609	22777	0.86	1.63	24480	20955	0.86	1.78	22463	19229	0.86	1.92
72	64	30921	22758	0.74	1.58	29241	21521	0.74	1.77	27112	19954	0.74	1.92	25095	18470	0.74	2.07
72	68	32266	19876	0.62	1.67	30921	19047	0.62	1.81	29129	17943	0.62	1.99	27000	16632	0.62	2.16
75	61	28289	26479	0.94	1.43	26609	24906	0.94	1.63	24480	22913	0.94	1.78	22463	21026	0.94	1.92
75	64	30921	25232	0.82	1.58	29241	23860	0.82	1.77	27112	22123	0.82	1.92	25095	20478	0.82	2.07
75	68	32266	22457	0.70	1.67	30921	21521	0.70	1.81	29129	20274	0.70	1.99	27000	18792	0.70	2.16
75	72	34058	19617	0.58	1.74	32938	18972	0.58	1.92	30921	17811	0.58	2.09	28905	16649	0.58	2.25
79	61	28289	28289	1.00	1.43	26609	26609	1.00	1.63	24480	24480	1.00	1.78	22463	22463	1.00	1.92
79	64	30921	27705	0.90	1.58	29241	26200	0.90	1.77	27112	24292	0.90	1.92	25095	22486	0.90	2.07
79	68	32266	25038	0.78	1.67	30921	23995	0.78	1.81	29129	22604	0.78	1.99	27000	20952	0.78	2.16
79	72	34058	22342	0.66	1.74	32938	21607	0.66	1.92	30921	20284	0.66	2.09	28905	18961	0.66	2.25
81	61	28289	28289	1.00	1.43	26609	26609	1.00	1.63	24480	24480	1.00	1.78	22463	22463	1.00	1.92
81	64	30921	28942	0.94	1.58	29241	27369	0.94	1.77	27112	25377	0.94	1.92	25095	23489	0.94	2.07
81	68	32266	26329	0.82	1.67	30921	25232	0.82	1.81	29129	23769	0.82	1.99	27000	22032	0.82	2.16
81	72	34058	23704	0.70	1.74	32938	22925	0.70	1.92	30921	21521	0.70	2.09	28905	20118	0.70	2.25
82	61	28289	28289	1.00	1.43	26609	26609	1.00	1.63	24480	24480	1.00	1.78	22463	22463	1.00	1.92
82	64	30921	30179	0.98	1.58	29241	28539	0.98	1.77	27112	26461	0.98	1.92	25095	24493	0.98	2.07
82	68	32266	27619	0.86	1.67	30921	26469	0.86	1.81	29129	24934	0.86	1.99	27000	23112	0.86	2.16
82	72	34058	25067	0.74	1.74	32938	24242	0.74	1.92	30921	22758	0.74	2.09	28905	21274	0.74	2.25
86	61	28289	28289	1.00	1.43	26609	26609	1.00	1.63	24480	24480	1.00	1.78	22463	22463	1.00	1.92
86	64	30921	30921	1.00	1.58	29241	29241	1.00	1.77	27112	27112	1.00	1.92	25095	25095	1.00	2.07
86	68	32266	30201	0.94	1.67	30921	28942	0.94	1.81	29129	27264	0.94	1.99	27000	25272	0.94	2.16
86	72	34058	27791	0.82	1.74	32938	26877	0.82	1.92	30921	25232	0.82	2.09	28905	23586	0.82	2.25
90	61	28289	28289	1.00	1.43	26609	26609	1.00	1.63	24480	24480	1.00	1.78	22463	22463	1.00	1.92
90	64	30921	30921	1.00	1.58	29241	29241	1.00	1.77	27112	27112	1.00	1.92	25095	25095	1.00	2.07
90	68	32266	32266	1.00	1.67	30921	30921	1.00	1.81	29129	29129	1.00	1.99	27000	27000	1.00	2.16
90	72	34058	30516	0.90	1.74	32938	29512	0.90	1.92	30921	27705	0.90	2.09	28905	25898	0.90	2.25

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
PEAD-A30AA7 / SUZ-KA30NA2
CAPACITY : 27000(Btu/h) INPUT :2.16(kW) SHF :0.84

		OUTDOOR DB(℉)							
INDOOR	INDOOR	104				115			
DB(℉)	WB(℉)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	20447	15049	0.74	2.02	18430	13565	0.74	2.12
68	64	23079	14217	0.62	2.17	21062	12974	0.62	2.27
68	61	20447	15867	0.78	2.02	18430	14302	0.78	2.12
68	64	23079	15140	0.66	2.17	21062	13817	0.66	2.27
68	68	24871	13331	0.54	2.27	23079	12370	0.54	2.37
72	61	20447	17502	0.86	2.02	18430	15776	0.86	2.12
72	64	23079	16986	0.74	2.17	21062	15502	0.74	2.27
72	68	24871	15321	0.62	2.27	23079	14217	0.62	2.37
75	61	20447	19138	0.94	2.02	18430	17251	0.94	2.12
75	64	23079	18832	0.82	2.17	21062	17187	0.82	2.27
75	68	24871	17310	0.70	2.27	23079	16063	0.70	2.37
75	72	26888	15487	0.58	2.36	24647	14197	0.58	2.43
79	61	20447	20447	1.00	2.02	18430	18430	1.00	2.12
79	64	23079	20679	0.90	2.17	21062	18872	0.90	2.27
79	68	24871	19300	0.78	2.27	23079	17909	0.78	2.37
79	72	26888	17639	0.66	2.36	24647	16169	0.66	2.43
81	61	20447	20447	1.00	2.02	18430	18430	1.00	2.12
81	64	23079	21602	0.94	2.17	21062	19714	0.94	2.27
81	68	24871	20295	0.82	2.27	23079	18832	0.82	2.37
81	72	26888	18714	0.70	2.36	24647	17155	0.70	2.43
82	61	20447	20447	1.00	2.02	18430	18430	1.00	2.12
82	64	23079	22525	0.98	2.17	21062	20557	0.98	2.27
82	68	24871	21290	0.86	2.27	23079	19755	0.86	2.37
82	72	26888	19790	0.74	2.36	24647	18140	0.74	2.43
86	61	20447	20447	1.00	2.02	18430	18430	1.00	2.12
86	64	23079	23079	1.00	2.17	21062	21062	1.00	2.27
86	68	24871	23280	0.94	2.27	23079	21602	0.94	2.37
86	72	26888	21941	0.82	2.36	24647	20112	0.82	2.43
90	61	20447	20447	1.00	2.02	18430	18430	1.00	2.12
90	64	23079	23079	1.00	2.17	21062	21062	1.00	2.27
90	68	24871	24871	1.00	2.27	23079	23079	1.00	2.37
90	72	26888	24092	0.90	2.36	24647	22084	0.90	2.43

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
PEAD-A36AA7 / SUZ-KA36NA2
CAPACITY : 33000(Btu/h) INPUT :3.51(kW) SHF :0.84

		OUTDOOR DB(°F)															
INDOOR	INDOOR	68				77				86				95			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	34576	25448	0.74	2.33	32522	23936	0.74	2.64	29920	22021	0.74	2.89	27455	20207	0.74	3.13
68	64	37793	23280	0.62	2.56	35739	22015	0.62	2.88	33137	20412	0.62	3.13	30672	18894	0.62	3.37
68	61	34576	26831	0.78	2.33	32522	25237	0.78	2.64	29920	23218	0.78	2.89	27455	21305	0.78	3.13
68	64	37793	24792	0.66	2.56	35739	23445	0.66	2.88	33137	21738	0.66	3.13	30672	20121	0.66	3.37
68	68	39436	21138	0.54	2.71	37793	20257	0.54	2.95	35602	19082	0.54	3.24	33000	17688	0.54	3.51
72	61	34576	29597	0.86	2.33	32522	27839	0.86	2.64	29920	25612	0.86	2.89	27455	23502	0.86	3.13
72	64	37793	27815	0.74	2.56	35739	26304	0.74	2.88	33137	24389	0.74	3.13	30672	22575	0.74	3.37
72	68	39436	24292	0.62	2.71	37793	23280	0.62	2.95	35602	21931	0.62	3.24	33000	20328	0.62	3.51
75	61	34576	32363	0.94	2.33	32522	30440	0.94	2.64	29920	28005	0.94	2.89	27455	25698	0.94	3.13
75	64	37793	30839	0.82	2.56	35739	29163	0.82	2.88	33137	27040	0.82	3.13	30672	25029	0.82	3.37
75	68	39436	27447	0.70	2.71	37793	26304	0.70	2.95	35602	24779	0.70	3.24	33000	22968	0.70	3.51
75	72	41627	23977	0.58	2.82	40257	23188	0.58	3.13	37793	21768	0.58	3.40	35328	20349	0.58	3.65
79	61	34576	34576	1.00	2.33	32522	32522	1.00	2.64	29920	29920	1.00	2.89	27455	27455	1.00	3.13
79	64	37793	33862	0.90	2.56	35739	32022	0.90	2.88	33137	29691	0.90	3.13	30672	27482	0.90	3.37
79	68	39436	30602	0.78	2.71	37793	29327	0.78	2.95	35602	27627	0.78	3.24	33000	25608	0.78	3.51
79	72	41627	27307	0.66	2.82	40257	26409	0.66	3.13	37793	24792	0.66	3.40	35328	23175	0.66	3.65
81	61	34576	34576	1.00	2.33	32522	32522	1.00	2.64	29920	29920	1.00	2.89	27455	27455	1.00	3.13
81	64	37793	35374	0.94	2.56	35739	33451	0.94	2.88	33137	31016	0.94	3.13	30672	28709	0.94	3.37
81	68	39436	32180	0.82	2.71	37793	30839	0.82	2.95	35602	29051	0.82	3.24	33000	26928	0.82	3.51
81	72	41627	28972	0.70	2.82	40257	28019	0.70	3.13	37793	26304	0.70	3.40	35328	24588	0.70	3.65
82	61	34576	34576	1.00	2.33	32522	32522	1.00	2.64	29920	29920	1.00	2.89	27455	27455	1.00	3.13
82	64	37793	36886	0.98	2.56	35739	34881	0.98	2.88	33137	32342	0.98	3.13	30672	29936	0.98	3.37
82	68	39436	33757	0.86	2.71	37793	32350	0.86	2.95	35602	30475	0.86	3.24	33000	28248	0.86	3.51
82	72	41627	30637	0.74	2.82	40257	29629	0.74	3.13	37793	27815	0.74	3.40	35328	26001	0.74	3.65
86	61	34576	34576	1.00	2.33	32522	32522	1.00	2.64	29920	29920	1.00	2.89	27455	27455	1.00	3.13
86	64	37793	37793	1.00	2.56	35739	35739	1.00	2.88	33137	33137	1.00	3.13	30672	30672	1.00	3.37
86	68	39436	36912	0.94	2.71	37793	35374	0.94	2.95	35602	33323	0.94	3.24	33000	30888	0.94	3.51
86	72	41627	33967	0.82	2.82	40257	32850	0.82	3.13	37793	30839	0.82	3.40	35328	28827	0.82	3.65
90	61	34576	34576	1.00	2.33	32522	32522	1.00	2.64	29920	29920	1.00	2.89	27455	27455	1.00	3.13
90	64	37793	37793	1.00	2.56	35739	35739	1.00	2.88	33137	33137	1.00	3.13	30672	30672	1.00	3.37
90	68	39436	39436	1.00	2.71	37793	37793	1.00	2.95	35602	35602	1.00	3.24	33000	33000	1.00	3.51
90	72	41627	37297	0.90	2.82	40257	36071	0.90	3.13	37793	33862	0.90	3.40	35328	31654	0.90	3.65

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
PEAD-A36AA7 / SUZ-KA36NA2
CAPACITY : 33000(Btu/h) INPUT :3.51(kW) SHF :0.84

		OUTDOOR DB(℉)							
INDOOR	INDOOR	104				115			
DB(℉)	WB(℉)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	24991	18393	0.74	3.29	22526	16579	0.74	3.45
68	64	28207	17376	0.62	3.53	25743	15858	0.62	3.69
68	61	24991	19393	0.78	3.29	22526	17480	0.78	3.45
68	64	28207	18504	0.66	3.53	25743	16887	0.66	3.69
68	68	30398	16294	0.54	3.69	28207	15119	0.54	3.85
72	61	24991	21392	0.86	3.29	22526	19282	0.86	3.45
72	64	28207	20761	0.74	3.53	25743	18947	0.74	3.69
72	68	30398	18725	0.62	3.69	28207	17376	0.62	3.85
75	61	24991	23391	0.94	3.29	22526	21084	0.94	3.45
75	64	28207	23017	0.82	3.53	25743	21006	0.82	3.69
75	68	30398	21157	0.70	3.69	28207	19632	0.70	3.85
75	72	32863	18929	0.58	3.83	30124	17352	0.58	3.94
79	61	24991	24991	1.00	3.29	22526	22526	1.00	3.45
79	64	28207	25274	0.90	3.53	25743	23065	0.90	3.69
79	68	30398	23589	0.78	3.69	28207	21889	0.78	3.85
79	72	32863	21558	0.66	3.83	30124	19762	0.66	3.94
81	61	24991	24991	1.00	3.29	22526	22526	1.00	3.45
81	64	28207	26402	0.94	3.53	25743	24095	0.94	3.69
81	68	30398	24805	0.82	3.69	28207	23017	0.82	3.85
81	72	32863	22873	0.70	3.83	30124	20967	0.70	3.94
82	61	24991	24991	1.00	3.29	22526	22526	1.00	3.45
82	64	28207	27530	0.98	3.53	25743	25125	0.98	3.69
82	68	30398	26021	0.86	3.69	28207	24146	0.86	3.85
82	72	32863	24187	0.74	3.83	30124	22172	0.74	3.94
86	61	24991	24991	1.00	3.29	22526	22526	1.00	3.45
86	64	28207	28207	1.00	3.53	25743	25743	1.00	3.69
86	68	30398	28453	0.94	3.69	28207	26402	0.94	3.85
86	72	32863	26816	0.82	3.83	30124	24582	0.82	3.94
90	61	24991	24991	1.00	3.29	22526	22526	1.00	3.45
90	64	28207	28207	1.00	3.53	25743	25743	1.00	3.69
90	68	30398	30398	1.00	3.69	28207	28207	1.00	3.85
90	72	32863	29445	0.90	3.83	30124	26992	0.90	3.94

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

HEATING operation at Rated frequency

PEAD-A09AA7 / SUZ-KA09NA2

CAPACITY : 12000(Btu/h) INPUT : 0.90(kW)

	OUTDOOR WB(°F)											
INDOOR	14		23		32		41		50		59	
DB(°F)	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
59	7737	0.73	9422	0.87	10270	0.93	11975	1.04	13690	1.12	15413	1.18
68	7317	0.79	9019	0.92	9876	0.98	11587	1.08	13279	1.16	14934	1.21
77	6603	0.84	8379	0.98	9263	1.03	11006	1.13	12701	1.20	14324	1.25

PEAD-A12AA7 / SUZ-KA12NA2

CAPACITY : 15000(Btu/h) INPUT : 1.16(kW)

	OUTDOOR WB(°F)											
INDOOR	14		23		32		41		50		59	
DB(°F)	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
59	9671	0.77	11778	0.91	12838	0.98	14969	1.10	17112	1.18	19266	1.24
68	9146	0.83	11274	0.97	12345	1.04	14483	1.14	16599	1.22	18667	1.28
77	8253	0.89	10474	1.03	11578	1.09	13758	1.19	15876	1.27	17905	1.32

PEAD-A15AA7 / SUZ-KA15NA2

CAPACITY : 18000(Btu/h) INPUT : 1.35(kW)

	OUTDOOR WB(°F)											
INDOOR	14		23		32		41		50		59	
DB(°F)	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
59	11605	0.89	14134	1.06	15405	1.14	17962	1.27	20535	1.38	23119	1.45
68	10975	0.97	13529	1.13	14814	1.20	17380	1.33	19918	1.42	22401	1.49
77	9904	1.03	12569	1.20	13894	1.27	16509	1.39	19051	1.48	21486	1.54

PEAD-A18AA7 / SUZ-KA18NA2

CAPACITY : 21600(Btu/h) INPUT : 1.60(kW)

	OUTDOOR WB(°F)											
INDOOR	14		23		32		41		50		59	
DB(°F)	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
59	13927	1.06	16960	1.26	18486	1.35	21555	1.51	24642	1.63	27743	1.71
68	13170	1.15	16235	1.34	17776	1.43	20856	1.57	23902	1.68	26881	1.76
77	11885	1.22	15083	1.42	16673	1.50	19811	1.65	22861	1.75	25783	1.82

PEAD-A24AA7 / SUZ-KA24NA2

CAPACITY : 25000(Btu/h) INPUT : 1.99(kW)

	OUTDOOR WB(°F)											
INDOOR	14		23		32		41		50		59	
DB(°F)	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
59	16119	1.32	19630	1.57	21396	1.68	24948	1.88	28521	2.03	32110	2.13
68	15243	1.43	18790	1.67	20575	1.78	24139	1.96	27665	2.09	31112	2.19
77	13756	1.52	17457	1.77	19297	1.87	22930	2.05	26460	2.18	29841	2.27

PEAD-A30AA7 / SUZ-KA30NA2

CAPACITY : 30000(Btu/h) INPUT : 2.41(kW)

	OUTDOOR WB(°F)											
INDOOR	14		23		32		41		50		59	
DB(°F)	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
59	19342	1.60	23556	1.90	25676	2.03	29937	2.28	34225	2.46	38532	2.58
68	18292	1.73	22549	2.02	24690	2.15	28967	2.37	33197	2.54	37334	2.65
77	16507	1.84	20948	2.14	23157	2.27	27516	2.48	31751	2.64	35810	2.74

PEAD-A36AA7 / SUZ-KA36NA2

CAPACITY : 33400(Btu/h) INPUT : 3.17(kW)

	OUTDOOR WB(°F)											
INDOOR	14		23		32		41		50		59	
DB(°F)	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
59	21535	2.10	26226	2.49	28585	2.68	33330	2.99	38103	3.24	42899	3.40
68	20365	2.27	25104	2.66	27488	2.83	32250	3.12	36960	3.34	41566	3.49
77	18377	2.43	23322	2.81	25781	2.98	30634	3.26	35350	3.47	39868	3.61

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

A.6.5.2 H2i SUZ series

COOLING operation at Rated frequency

PEAD-A09AA7 / SUZ-KA09NAHZ

CAPACITY : 9000(Btu/h) INPUT :0.65(kW) SHF :0.82

		OUTDOOR DB(°F)															
INDOOR	INDOOR	68				77				86				95			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	9430	6752	0.72	0.43	8870	6351	0.72	0.49	8160	5843	0.72	0.53	7488	5361	0.72	0.58
68	64	10307	6143	0.60	0.47	9747	5809	0.60	0.53	9037	5386	0.60	0.58	8365	4986	0.60	0.62
68	61	9430	7129	0.76	0.43	8870	6705	0.76	0.49	8160	6169	0.76	0.53	7488	5661	0.76	0.58
68	64	10307	6555	0.64	0.47	9747	6199	0.64	0.53	9037	5748	0.64	0.58	8365	5320	0.64	0.62
68	68	10755	5550	0.52	0.50	10307	5318	0.52	0.55	9710	5010	0.52	0.60	9000	4644	0.52	0.65
72	61	9430	7883	0.84	0.43	8870	7415	0.84	0.49	8160	6822	0.84	0.53	7488	6260	0.84	0.58
72	64	10307	7380	0.72	0.47	9747	6979	0.72	0.53	9037	6471	0.72	0.58	8365	5989	0.72	0.62
72	68	10755	6410	0.60	0.50	10307	6143	0.60	0.55	9710	5787	0.60	0.60	9000	5364	0.60	0.65
75	61	9430	8638	0.92	0.43	8870	8124	0.92	0.49	8160	7475	0.92	0.53	7488	6859	0.92	0.58
75	64	10307	8204	0.80	0.47	9747	7759	0.80	0.53	9037	7194	0.80	0.58	8365	6659	0.80	0.62
75	68	10755	7271	0.68	0.50	10307	6968	0.68	0.55	9710	6564	0.68	0.60	9000	6084	0.68	0.65
75	72	11353	6312	0.56	0.52	10979	6104	0.56	0.58	10307	5731	0.56	0.63	9635	5357	0.56	0.68
79	61	9430	9392	1.00	0.43	8870	8834	1.00	0.49	8160	8127	1.00	0.53	7488	7458	1.00	0.58
79	64	10307	9029	0.88	0.47	9747	8538	0.88	0.53	9037	7917	0.88	0.58	8365	7328	0.88	0.62
79	68	10755	8131	0.76	0.50	10307	7792	0.76	0.55	9710	7340	0.76	0.60	9000	6804	0.76	0.65
79	72	11353	7220	0.64	0.52	10979	6983	0.64	0.58	10307	6555	0.64	0.63	9635	6128	0.64	0.68
81	61	9430	9430	1.00	0.43	8870	8870	1.00	0.49	8160	8160	1.00	0.53	7488	7488	1.00	0.58
81	64	10307	9441	0.92	0.47	9747	8928	0.92	0.53	9037	8278	0.92	0.58	8365	7662	0.92	0.62
81	68	10755	8561	0.80	0.50	10307	8204	0.80	0.55	9710	7729	0.80	0.60	9000	7164	0.80	0.65
81	72	11353	7674	0.68	0.52	10979	7422	0.68	0.58	10307	6968	0.68	0.63	9635	6513	0.68	0.68
82	61	9430	9430	1.00	0.43	8870	8870	1.00	0.49	8160	8160	1.00	0.53	7488	7488	1.00	0.58
82	64	10307	9854	0.96	0.47	9747	9318	0.96	0.53	9037	8640	0.96	0.58	8365	7997	0.96	0.62
82	68	10755	8991	0.84	0.50	10307	8617	0.84	0.55	9710	8117	0.84	0.60	9000	7524	0.84	0.65
82	72	11353	8129	0.72	0.52	10979	7861	0.72	0.58	10307	7380	0.72	0.63	9635	6899	0.72	0.68
86	61	9430	9430	1.00	0.43	8870	8870	1.00	0.49	8160	8160	1.00	0.53	7488	7488	1.00	0.58
86	64	10307	10307	1.00	0.47	9747	9747	1.00	0.53	9037	9037	1.00	0.58	8365	8365	1.00	0.62
86	68	10755	9852	0.92	0.50	10307	9441	0.92	0.55	9710	8894	0.92	0.60	9000	8244	0.92	0.65
86	72	11353	9037	0.80	0.52	10979	8739	0.80	0.58	10307	8204	0.80	0.63	9635	7669	0.80	0.68
90	61	9430	9430	1.00	0.43	8870	8870	1.00	0.49	8160	8160	1.00	0.53	7488	7488	1.00	0.58
90	64	10307	10307	1.00	0.47	9747	9747	1.00	0.53	9037	9037	1.00	0.58	8365	8365	1.00	0.62
90	68	10755	10712	1.00	0.50	10307	10266	1.00	0.55	9710	9671	1.00	0.60	9000	8964	1.00	0.65
90	72	11353	9945	0.88	0.52	10979	9618	0.88	0.58	10307	9029	0.88	0.63	9635	8440	0.88	0.68

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
PEAD-A09AA7 / SUZ-KA09NAHZ
CAPACITY : 9000(Btu/h) INPUT :0.65(kW) SHF :0.82

		OUTDOOR DB(℉)							
INDOOR	INDOOR	104				115			
DB(℉)	WB(℉)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	6816	4880	0.72	0.61	6143	4399	0.72	0.64
68	64	7693	4585	0.60	0.65	7021	4184	0.60	0.68
68	61	6816	5153	0.76	0.61	6143	4644	0.76	0.64
68	64	7693	4893	0.64	0.65	7021	4465	0.64	0.68
68	68	8290	4278	0.52	0.68	7693	3970	0.52	0.71
72	61	6816	5698	0.84	0.61	6143	5136	0.84	0.64
72	64	7693	5508	0.72	0.65	7021	5027	0.72	0.68
72	68	8290	4941	0.60	0.68	7693	4585	0.60	0.71
75	61	6816	6243	0.92	0.61	6143	5627	0.92	0.64
75	64	7693	6124	0.80	0.65	7021	5589	0.80	0.68
75	68	8290	5604	0.68	0.68	7693	5200	0.68	0.71
75	72	8963	4983	0.56	0.71	8216	4568	0.56	0.73
79	61	6816	6788	1.00	0.61	6143	6119	1.00	0.64
79	64	7693	6739	0.88	0.65	7021	6150	0.88	0.68
79	68	8290	6268	0.76	0.68	7693	5816	0.76	0.71
79	72	8963	5700	0.64	0.71	8216	5225	0.64	0.73
81	61	6816	6816	1.00	0.61	6143	6143	1.00	0.64
81	64	7693	7047	0.92	0.65	7021	6431	0.92	0.68
81	68	8290	6599	0.80	0.68	7693	6124	0.80	0.71
81	72	8963	6059	0.68	0.71	8216	5554	0.68	0.73
82	61	6816	6816	1.00	0.61	6143	6143	1.00	0.64
82	64	7693	7354	0.96	0.65	7021	6712	0.96	0.68
82	68	8290	6931	0.84	0.68	7693	6431	0.84	0.71
82	72	8963	6417	0.72	0.71	8216	5882	0.72	0.73
86	61	6816	6816	1.00	0.61	6143	6143	1.00	0.64
86	64	7693	7693	1.00	0.65	7021	7021	1.00	0.68
86	68	8290	7594	0.92	0.68	7693	7047	0.92	0.71
86	72	8963	7134	0.80	0.71	8216	6540	0.80	0.73
90	61	6816	6816	1.00	0.61	6143	6143	1.00	0.64
90	64	7693	7693	1.00	0.65	7021	7021	1.00	0.68
90	68	8290	8257	1.00	0.68	7693	7662	1.00	0.71
90	72	8963	7851	0.88	0.71	8216	7197	0.88	0.73

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
PEAD-A12AA7 / SUZ-KA12NAHZ
CAPACITY :12000(Btu/h) INPUT :0.85(kW) SHF :0.82

		OUTDOOR DB(°F)															
INDOOR	INDOOR	68				77				86				95			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	12573	9002	0.72	0.56	11826	8467	0.72	0.64	10880	7790	0.72	0.70	9984	7148	0.72	0.76
68	64	13743	8191	0.60	0.62	12996	7746	0.60	0.70	12050	7182	0.60	0.76	11154	6648	0.60	0.82
68	61	12573	9505	0.76	0.56	11826	8940	0.76	0.64	10880	8225	0.76	0.70	9984	7548	0.76	0.76
68	64	13743	8740	0.64	0.62	12996	8265	0.64	0.70	12050	7664	0.64	0.76	11154	7094	0.64	0.82
68	68	14340	7400	0.52	0.66	13743	7091	0.52	0.71	12946	6680	0.52	0.78	12000	6192	0.52	0.85
72	61	12573	10511	0.84	0.56	11826	9887	0.84	0.64	10880	9096	0.84	0.70	9984	8346	0.84	0.76
72	64	13743	9840	0.72	0.62	12996	9305	0.72	0.70	12050	8628	0.72	0.76	11154	7986	0.72	0.82
72	68	14340	8547	0.60	0.66	13743	8191	0.60	0.71	12946	7716	0.60	0.78	12000	7152	0.60	0.85
75	61	12573	11517	0.92	0.56	11826	10833	0.92	0.64	10880	9966	0.92	0.70	9984	9145	0.92	0.76
75	64	13743	10939	0.80	0.62	12996	10345	0.80	0.70	12050	9592	0.80	0.76	11154	8878	0.80	0.82
75	68	14340	9694	0.68	0.66	13743	9290	0.68	0.71	12946	8752	0.68	0.78	12000	8112	0.68	0.85
75	72	15137	8416	0.56	0.68	14639	8139	0.56	0.76	13743	7641	0.56	0.82	12846	7143	0.56	0.88
79	61	12573	12523	1.00	0.56	11826	11779	1.00	0.64	10880	10836	1.00	0.70	9984	9944	1.00	0.76
79	64	13743	12039	0.88	0.62	12996	11384	0.88	0.70	12050	10556	0.88	0.76	11154	9770	0.88	0.82
79	68	14340	10841	0.76	0.66	13743	10390	0.76	0.71	12946	9787	0.76	0.78	12000	9072	0.76	0.85
79	72	15137	9627	0.64	0.68	14639	9310	0.64	0.76	13743	8740	0.64	0.82	12846	8170	0.64	0.88
81	61	12573	12573	1.00	0.56	11826	11826	1.00	0.64	10880	10880	1.00	0.70	9984	9984	1.00	0.76
81	64	13743	12588	0.92	0.62	12996	11904	0.92	0.70	12050	11038	0.92	0.76	11154	10217	0.92	0.82
81	68	14340	11415	0.80	0.66	13743	10939	0.80	0.71	12946	10305	0.80	0.78	12000	9552	0.80	0.85
81	72	15137	10233	0.68	0.68	14639	9896	0.68	0.76	13743	9290	0.68	0.82	12846	8684	0.68	0.88
82	61	12573	12573	1.00	0.56	11826	11826	1.00	0.64	10880	10880	1.00	0.70	9984	9984	1.00	0.76
82	64	13743	13138	0.96	0.62	12996	12424	0.96	0.70	12050	11520	0.96	0.76	11154	10663	0.96	0.82
82	68	14340	11988	0.84	0.66	13743	11489	0.84	0.71	12946	10823	0.84	0.78	12000	10032	0.84	0.85
82	72	15137	10838	0.72	0.68	14639	10482	0.72	0.76	13743	9840	0.72	0.82	12846	9198	0.72	0.88
86	61	12573	12573	1.00	0.56	11826	11826	1.00	0.64	10880	10880	1.00	0.70	9984	9984	1.00	0.76
86	64	13743	13743	1.00	0.62	12996	12996	1.00	0.70	12050	12050	1.00	0.76	11154	11154	1.00	0.82
86	68	14340	13136	0.92	0.66	13743	12588	0.92	0.71	12946	11859	0.92	0.78	12000	10992	0.92	0.85
86	72	15137	12049	0.80	0.68	14639	11653	0.80	0.76	13743	10939	0.80	0.82	12846	10226	0.80	0.88
90	61	12573	12573	1.00	0.56	11826	11826	1.00	0.64	10880	10880	1.00	0.70	9984	9984	1.00	0.76
90	64	13743	13743	1.00	0.62	12996	12996	1.00	0.70	12050	12050	1.00	0.76	11154	11154	1.00	0.82
90	68	14340	14283	1.00	0.66	13743	13688	1.00	0.71	12946	12894	1.00	0.78	12000	11952	1.00	0.85
90	72	15137	13260	0.88	0.68	14639	12824	0.88	0.76	13743	12039	0.88	0.82	12846	11254	0.88	0.88

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
PEAD-A12AA7 / SUZ-KA12NAHZ
CAPACITY :12000(Btu/h) INPUT :0.85(kW) SHF :0.82

		OUTDOOR DB(℉)							
INDOOR	INDOOR	104				115			
DB(℉)	WB(℉)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	9087	6507	0.72	0.80	8191	5865	0.72	0.83
68	64	10257	6113	0.60	0.85	9361	5579	0.60	0.89
68	61	9087	6870	0.76	0.80	8191	6193	0.76	0.83
68	64	10257	6524	0.64	0.85	9361	5954	0.64	0.89
68	68	11054	5704	0.52	0.89	10257	5293	0.52	0.93
72	61	9087	7597	0.84	0.80	8191	6848	0.84	0.83
72	64	10257	7344	0.72	0.85	9361	6702	0.72	0.89
72	68	11054	6588	0.60	0.89	10257	6113	0.60	0.93
75	61	9087	8324	0.92	0.80	8191	7503	0.92	0.83
75	64	10257	8165	0.80	0.85	9361	7451	0.80	0.89
75	68	11054	7472	0.68	0.89	10257	6934	0.68	0.93
75	72	11950	6644	0.56	0.93	10954	6091	0.56	0.95
79	61	9087	9051	1.00	0.80	8191	8158	1.00	0.83
79	64	10257	8985	0.88	0.85	9361	8200	0.88	0.89
79	68	11054	8357	0.76	0.89	10257	7754	0.76	0.93
79	72	11950	7600	0.64	0.93	10954	6967	0.64	0.95
81	61	9087	9087	1.00	0.80	8191	8191	1.00	0.83
81	64	10257	9396	0.92	0.85	9361	8575	0.92	0.89
81	68	11054	8799	0.80	0.89	10257	8165	0.80	0.93
81	72	11950	8078	0.68	0.93	10954	7405	0.68	0.95
82	61	9087	9087	1.00	0.80	8191	8191	1.00	0.83
82	64	10257	9806	0.96	0.85	9361	8949	0.96	0.89
82	68	11054	9241	0.84	0.89	10257	8575	0.84	0.93
82	72	11950	8556	0.72	0.93	10954	7843	0.72	0.95
86	61	9087	9087	1.00	0.80	8191	8191	1.00	0.83
86	64	10257	10257	1.00	0.85	9361	9361	1.00	0.89
86	68	11054	10125	0.92	0.89	10257	9396	0.92	0.93
86	72	11950	9512	0.80	0.93	10954	8720	0.80	0.95
90	61	9087	9087	1.00	0.80	8191	8191	1.00	0.83
90	64	10257	10257	1.00	0.85	9361	9361	1.00	0.89
90	68	11054	11010	1.00	0.89	10257	10216	1.00	0.93
90	72	11950	10468	0.88	0.93	10954	9596	0.88	0.95

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
PEAD-A15AA7 / SUZ-KA15NAHZ
CAPACITY : 15000(Btu/h) INPUT :1.19(kW) SHF :0.82

		OUTDOOR DB(°F)															
INDOOR	INDOOR	68				77				86				95			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	15716	11253	0.72	0.79	14783	10584	0.72	0.90	13600	9738	0.72	0.98	12480	8935	0.72	1.06
68	64	17178	10238	0.60	0.87	16245	9682	0.60	0.98	15062	8977	0.60	1.06	13942	8309	0.60	1.14
68	61	15716	11881	0.76	0.79	14783	11176	0.76	0.90	13600	10282	0.76	0.98	12480	9435	0.76	1.06
68	64	17178	10925	0.64	0.87	16245	10332	0.64	0.98	15062	9580	0.64	1.06	13942	8867	0.64	1.14
68	68	17925	9249	0.52	0.92	17178	8864	0.52	1.00	16183	8350	0.52	1.10	15000	7740	0.52	1.19
72	61	15716	13139	0.84	0.79	14783	12358	0.84	0.90	13600	11370	0.84	0.98	12480	10433	0.84	1.06
72	64	17178	12300	0.72	0.87	16245	11631	0.72	0.98	15062	10785	0.72	1.06	13942	9982	0.72	1.14
72	68	17925	10683	0.60	0.92	17178	10238	0.60	1.00	16183	9645	0.60	1.10	15000	8940	0.60	1.19
75	61	15716	14396	0.92	0.79	14783	13541	0.92	0.90	13600	12458	0.92	0.98	12480	11431	0.92	1.06
75	64	17178	13674	0.80	0.87	16245	12931	0.80	0.98	15062	11990	0.80	1.06	13942	11098	0.80	1.14
75	68	17925	12118	0.68	0.92	17178	11613	0.68	1.00	16183	10939	0.68	1.10	15000	10140	0.68	1.19
75	72	18921	10520	0.56	0.96	18299	10174	0.56	1.06	17178	9551	0.56	1.15	16058	8928	0.56	1.24
79	61	15716	15653	1.00	0.79	14783	14723	1.00	0.90	13600	13546	1.00	0.98	12480	12430	1.00	1.06
79	64	17178	15048	0.88	0.87	16245	14230	0.88	0.98	15062	13195	0.88	1.06	13942	12213	0.88	1.14
79	68	17925	13552	0.76	0.92	17178	12987	0.76	1.00	16183	12234	0.76	1.10	15000	11340	0.76	1.19
79	72	18921	12034	0.64	0.96	18299	11638	0.64	1.06	17178	10925	0.64	1.15	16058	10213	0.64	1.24
81	61	15716	15716	1.00	0.79	14783	14783	1.00	0.90	13600	13600	1.00	0.98	12480	12480	1.00	1.06
81	64	17178	15735	0.92	0.87	16245	14880	0.92	0.98	15062	13797	0.92	1.06	13942	12771	0.92	1.14
81	68	17925	14269	0.80	0.92	17178	13674	0.80	1.00	16183	12881	0.80	1.10	15000	11940	0.80	1.19
81	72	18921	12791	0.68	0.96	18299	12370	0.68	1.06	17178	11613	0.68	1.15	16058	10855	0.68	1.24
82	61	15716	15716	1.00	0.79	14783	14783	1.00	0.90	13600	13600	1.00	0.98	12480	12480	1.00	1.06
82	64	17178	16423	0.96	0.87	16245	15530	0.96	0.98	15062	14400	0.96	1.06	13942	13328	0.96	1.14
82	68	17925	14986	0.84	0.92	17178	14361	0.84	1.00	16183	13529	0.84	1.10	15000	12540	0.84	1.19
82	72	18921	13548	0.72	0.96	18299	13102	0.72	1.06	17178	12300	0.72	1.15	16058	11498	0.72	1.24
86	61	15716	15716	1.00	0.79	14783	14783	1.00	0.90	13600	13600	1.00	0.98	12480	12480	1.00	1.06
86	64	17178	17178	1.00	0.87	16245	16245	1.00	0.98	15062	15062	1.00	1.06	13942	13942	1.00	1.14
86	68	17925	16420	0.92	0.92	17178	15735	0.92	1.00	16183	14823	0.92	1.10	15000	13740	0.92	1.19
86	72	18921	15061	0.80	0.96	18299	14566	0.80	1.06	17178	13674	0.80	1.15	16058	12782	0.80	1.24
90	61	15716	15716	1.00	0.79	14783	14783	1.00	0.90	13600	13600	1.00	0.98	12480	12480	1.00	1.06
90	64	17178	17178	1.00	0.87	16245	16245	1.00	0.98	15062	15062	1.00	1.06	13942	13942	1.00	1.14
90	68	17925	17854	1.00	0.92	17178	17110	1.00	1.00	16183	16118	1.00	1.10	15000	14940	1.00	1.19
90	72	18921	16575	0.88	0.96	18299	16030	0.88	1.06	17178	15048	0.88	1.15	16058	14067	0.88	1.24

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
PEAD-A15AA7 / SUZ-KA15NAHZ
CAPACITY : 15000(Btu/h) INPUT :1.19(kW) SHF :0.82

		OUTDOOR DB(℉)							
INDOOR	INDOOR	104				115			
DB(℉)	WB(℉)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	11359	8133	0.72	1.11	10239	7331	0.72	1.17
68	64	12822	7642	0.60	1.20	11701	6974	0.60	1.25
68	61	11359	8588	0.76	1.11	10239	7741	0.76	1.17
68	64	12822	8155	0.64	1.20	11701	7442	0.64	1.25
68	68	13817	7130	0.52	1.25	12822	6616	0.52	1.30
72	61	11359	9496	0.84	1.11	10239	8560	0.84	1.17
72	64	12822	9180	0.72	1.20	11701	8378	0.72	1.25
72	68	13817	8235	0.60	1.25	12822	7642	0.60	1.30
75	61	11359	10405	0.92	1.11	10239	9379	0.92	1.17
75	64	12822	10206	0.80	1.20	11701	9314	0.80	1.25
75	68	13817	9341	0.68	1.25	12822	8667	0.68	1.30
75	72	14938	8305	0.56	1.30	13693	7613	0.56	1.34
79	61	11359	11314	1.00	1.11	10239	10198	1.00	1.17
79	64	12822	11232	0.88	1.20	11701	10250	0.88	1.25
79	68	13817	10446	0.76	1.25	12822	9693	0.76	1.30
79	72	14938	9500	0.64	1.30	13693	8709	0.64	1.34
81	61	11359	11359	1.00	1.11	10239	10239	1.00	1.17
81	64	12822	11745	0.92	1.20	11701	10718	0.92	1.25
81	68	13817	10999	0.80	1.25	12822	10206	0.80	1.30
81	72	14938	10098	0.68	1.30	13693	9256	0.68	1.34
82	61	11359	11359	1.00	1.11	10239	10239	1.00	1.17
82	64	12822	12257	0.96	1.20	11701	11186	0.96	1.25
82	68	13817	11551	0.84	1.25	12822	10719	0.84	1.30
82	72	14938	10695	0.72	1.30	13693	9804	0.72	1.34
86	61	11359	11359	1.00	1.11	10239	10239	1.00	1.17
86	64	12822	12822	1.00	1.20	11701	11701	1.00	1.25
86	68	13817	12657	0.92	1.25	12822	11745	0.92	1.30
86	72	14938	11890	0.80	1.30	13693	10900	0.80	1.34
90	61	11359	11359	1.00	1.11	10239	10239	1.00	1.17
90	64	12822	12822	1.00	1.20	11701	11701	1.00	1.25
90	68	13817	13762	1.00	1.25	12822	12770	1.00	1.30
90	72	14938	13085	0.88	1.30	13693	11995	0.88	1.34

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
PEAD-A18AA7 / SUZ-KA18NAHZ
CAPACITY : 18000(Btu/h) INPUT :1.4(kW) SHF :0.78

		OUTDOOR DB(°F)															
INDOOR	INDOOR	68				77				86				95			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	18859	12749	0.68	0.93	17739	11992	0.68	1.05	16320	11032	0.68	1.15	14976	10124	0.68	1.25
68	64	20614	11461	0.56	1.02	19494	10839	0.56	1.15	18075	10050	0.56	1.25	16730	9302	0.56	1.34
68	61	18859	13503	0.72	0.93	17739	12701	0.72	1.05	16320	11685	0.72	1.15	14976	10723	0.72	1.25
68	64	20614	12286	0.60	1.02	19494	11618	0.60	1.15	18075	10773	0.60	1.25	16730	9971	0.60	1.34
68	68	21510	10239	0.48	1.08	20614	9812	0.48	1.18	19419	9243	0.48	1.29	18000	8568	0.48	1.40
72	61	18859	15012	0.80	0.93	17739	14120	0.80	1.05	16320	12991	0.80	1.15	14976	11921	0.80	1.25
72	64	20614	13935	0.68	1.02	19494	13178	0.68	1.15	18075	12218	0.68	1.25	16730	11310	0.68	1.34
72	68	21510	11960	0.56	1.08	20614	11461	0.56	1.18	19419	10797	0.56	1.29	18000	10008	0.56	1.40
75	61	18859	16521	0.88	0.93	17739	15539	0.88	1.05	16320	14296	0.88	1.15	14976	13119	0.88	1.25
75	64	20614	15584	0.76	1.02	19494	14737	0.76	1.15	18075	13664	0.76	1.25	16730	12648	0.76	1.34
75	68	21510	13681	0.64	1.08	20614	13111	0.64	1.18	19419	12351	0.64	1.29	18000	11448	0.64	1.40
75	72	22705	11716	0.52	1.13	21959	11331	0.52	1.25	20614	10637	0.52	1.36	19270	9943	0.52	1.46
79	61	18859	18030	0.96	0.93	17739	16959	0.96	1.05	16320	15602	0.96	1.15	14976	14317	0.96	1.25
79	64	20614	17233	0.84	1.02	19494	16297	0.84	1.15	18075	15110	0.84	1.25	16730	13987	0.84	1.34
79	68	21510	15401	0.72	1.08	20614	14760	0.72	1.18	19419	13904	0.72	1.29	18000	12888	0.72	1.40
79	72	22705	13532	0.60	1.13	21959	13087	0.60	1.25	20614	12286	0.60	1.36	19270	11485	0.60	1.46
81	61	18859	18784	1.00	0.93	17739	17668	1.00	1.05	16320	16255	1.00	1.15	14976	14916	1.00	1.25
81	64	20614	18058	0.88	1.02	19494	17077	0.88	1.15	18075	15833	0.88	1.25	16730	14656	0.88	1.34
81	68	21510	16262	0.76	1.08	20614	15584	0.76	1.18	19419	14681	0.76	1.29	18000	13608	0.76	1.40
81	72	22705	14441	0.64	1.13	21959	13966	0.64	1.25	20614	13111	0.64	1.36	19270	12256	0.64	1.46
82	61	18859	18859	1.00	0.93	17739	17739	1.00	1.05	16320	16320	1.00	1.15	14976	14976	1.00	1.25
82	64	20614	18883	0.92	1.02	19494	17856	0.92	1.15	18075	16556	0.92	1.25	16730	15325	0.92	1.34
82	68	21510	17122	0.80	1.08	20614	16409	0.80	1.18	19419	15458	0.80	1.29	18000	14328	0.80	1.40
82	72	22705	15349	0.68	1.13	21959	14844	0.68	1.25	20614	13935	0.68	1.36	19270	13026	0.68	1.46
86	61	18859	18859	1.00	0.93	17739	17739	1.00	1.05	16320	16320	1.00	1.15	14976	14976	1.00	1.25
86	64	20614	20532	1.00	1.02	19494	19416	1.00	1.15	18075	18002	1.00	1.25	16730	16663	1.00	1.34
86	68	21510	18843	0.88	1.08	20614	18058	0.88	1.18	19419	17011	0.88	1.29	18000	15768	0.88	1.40
86	72	22705	17165	0.76	1.13	21959	16601	0.76	1.25	20614	15584	0.76	1.36	19270	14568	0.76	1.46
90	61	18859	18859	1.00	0.93	17739	17739	1.00	1.05	16320	16320	1.00	1.15	14976	14976	1.00	1.25
90	64	20614	20614	1.00	1.02	19494	19494	1.00	1.15	18075	18075	1.00	1.25	16730	16730	1.00	1.34
90	68	21510	20564	0.96	1.08	20614	19707	0.96	1.18	19419	18565	0.96	1.29	18000	17208	0.96	1.40
90	72	22705	18982	0.84	1.13	21959	18357	0.84	1.25	20614	17233	0.84	1.36	19270	16109	0.84	1.46

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
PEAD-A18AA7 / SUZ-KA18NAHZ
CAPACITY : 18000(Btu/h) INPUT :1.4(kW) SHF :0.78

		OUTDOOR DB(℉)							
INDOOR	INDOOR	104				115			
DB(℉)	WB(℉)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	13631	9215	0.68	1.31	12287	8306	0.68	1.38
68	64	15386	8555	0.56	1.41	14041	7807	0.56	1.47
68	61	13631	9760	0.72	1.31	12287	8797	0.72	1.38
68	64	15386	9170	0.60	1.41	14041	8369	0.60	1.47
68	68	16581	7893	0.48	1.47	15386	7324	0.48	1.53
72	61	13631	10850	0.80	1.31	12287	9780	0.80	1.38
72	64	15386	10401	0.68	1.41	14041	9492	0.68	1.47
72	68	16581	9219	0.56	1.47	15386	8555	0.56	1.53
75	61	13631	11941	0.88	1.31	12287	10763	0.88	1.38
75	64	15386	11632	0.76	1.41	14041	10615	0.76	1.47
75	68	16581	10545	0.64	1.47	15386	9785	0.64	1.53
75	72	17925	9249	0.52	1.53	16432	8479	0.52	1.57
79	61	13631	13031	0.96	1.31	12287	11746	0.96	1.38
79	64	15386	12863	0.84	1.41	14041	11739	0.84	1.47
79	68	16581	11872	0.72	1.47	15386	11016	0.72	1.53
79	72	17925	10683	0.60	1.53	16432	9793	0.60	1.57
81	61	13631	13577	1.00	1.31	12287	12238	1.00	1.38
81	64	15386	13478	0.88	1.41	14041	12300	0.88	1.47
81	68	16581	12535	0.76	1.47	15386	11632	0.76	1.53
81	72	17925	11400	0.64	1.53	16432	10450	0.64	1.57
82	61	13631	13631	1.00	1.31	12287	12287	1.00	1.38
82	64	15386	14093	0.92	1.41	14041	12862	0.92	1.47
82	68	16581	13198	0.80	1.47	15386	12247	0.80	1.53
82	72	17925	12118	0.68	1.53	16432	11108	0.68	1.57
86	61	13631	13631	1.00	1.31	12287	12287	1.00	1.38
86	64	15386	15324	1.00	1.41	14041	13985	1.00	1.47
86	68	16581	14525	0.88	1.47	15386	13478	0.88	1.53
86	72	17925	13552	0.76	1.53	16432	12422	0.76	1.57
90	61	13631	13631	1.00	1.31	12287	12287	1.00	1.38
90	64	15386	15386	1.00	1.41	14041	14041	1.00	1.47
90	68	16581	15851	0.96	1.47	15386	14709	0.96	1.53
90	72	17925	14986	0.84	1.53	16432	13737	0.84	1.57

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
PEAD-A24AA7 / SUZ-KA24NAHZ
CAPACITY : 24000(Btu/h) INPUT :2.08(kW) SHF :0.68

		OUTDOOR DB(°F)															
INDOOR	INDOOR	68				77				86				95			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	23160	13340	0.58	1.73	22824	13147	0.58	1.80	22368	12884	0.58	1.90	21792	12552	0.58	2.03
68	64	24648	11239	0.46	1.77	24312	11086	0.46	1.85	23832	10867	0.46	1.94	23208	10583	0.46	2.07
68	61	23160	14267	0.62	1.73	22824	14060	0.62	1.80	22368	13779	0.62	1.90	21792	13424	0.62	2.03
68	64	24648	12225	0.50	1.77	24312	12059	0.50	1.85	23832	11821	0.50	1.94	23208	11511	0.50	2.07
68	68	26184	9845	0.38	1.81	25824	9710	0.38	1.89	25344	9529	0.38	1.98	24672	9277	0.38	2.11
72	61	23160	16119	0.70	1.73	22824	15886	0.70	1.80	22368	15568	0.70	1.90	21792	15167	0.70	2.03
72	64	24648	14197	0.58	1.77	24312	14004	0.58	1.85	23832	13727	0.58	1.94	23208	13368	0.58	2.07
72	68	26184	11940	0.46	1.81	25824	11776	0.46	1.89	25344	11557	0.46	1.98	24672	11250	0.46	2.11
75	61	23160	17972	0.78	1.73	22824	17711	0.78	1.80	22368	17358	0.78	1.90	21792	16911	0.78	2.03
75	64	24648	16169	0.66	1.77	24312	15949	0.66	1.85	23832	15634	0.66	1.94	23208	15224	0.66	2.07
75	68	26184	14035	0.54	1.81	25824	13842	0.54	1.89	25344	13584	0.54	1.98	24672	13224	0.54	2.11
75	72	27720	11532	0.42	1.86	27384	11392	0.42	1.93	26856	11172	0.42	2.02	26160	10883	0.42	2.15
79	61	23160	19825	0.86	1.73	22824	19537	0.86	1.80	22368	19147	0.86	1.90	21792	18654	0.86	2.03
79	64	24648	18141	0.74	1.77	24312	17894	0.74	1.85	23832	17540	0.74	1.94	23208	17081	0.74	2.07
79	68	26184	16129	0.62	1.81	25824	15908	0.62	1.89	25344	15612	0.62	1.98	24672	15198	0.62	2.11
79	72	27720	13749	0.50	1.86	27384	13582	0.50	1.93	26856	13321	0.50	2.02	26160	12975	0.50	2.15
81	61	23160	20751	0.90	1.73	22824	20450	0.90	1.80	22368	20042	0.90	1.90	21792	19526	0.90	2.03
81	64	24648	19127	0.78	1.77	24312	18866	0.78	1.85	23832	18494	0.78	1.94	23208	18009	0.78	2.07
81	68	26184	17177	0.66	1.81	25824	16941	0.66	1.89	25344	16626	0.66	1.98	24672	16185	0.66	2.11
81	72	27720	14858	0.54	1.86	27384	14678	0.54	1.93	26856	14395	0.54	2.02	26160	14022	0.54	2.15
82	61	23160	21678	0.94	1.73	22824	21363	0.94	1.80	22368	20936	0.94	1.90	21792	20397	0.94	2.03
82	64	24648	20113	0.82	1.77	24312	19839	0.82	1.85	23832	19447	0.82	1.94	23208	18938	0.82	2.07
82	68	26184	18224	0.70	1.81	25824	17974	0.70	1.89	25344	17639	0.70	1.98	24672	17172	0.70	2.11
82	72	27720	15967	0.58	1.86	27384	15773	0.58	1.93	26856	15469	0.58	2.02	26160	15068	0.58	2.15
86	61	23160	23160	1.00	1.73	22824	22824	1.00	1.80	22368	22368	1.00	1.90	21792	21792	1.00	2.03
86	64	24648	22085	0.90	1.77	24312	21784	0.90	1.85	23832	21353	0.90	1.94	23208	20794	0.90	2.07
86	68	26184	20319	0.78	1.81	25824	20039	0.78	1.89	25344	19667	0.78	1.98	24672	19145	0.78	2.11
86	72	27720	18184	0.66	1.86	27384	17964	0.66	1.93	26856	17618	0.66	2.02	26160	17161	0.66	2.15
90	61	23160	23160	1.00	1.73	22824	22824	1.00	1.80	22368	22368	1.00	1.90	21792	21792	1.00	2.03
90	64	24648	24056	0.98	1.77	24312	23729	0.98	1.85	23832	23260	0.98	1.94	23208	22651	0.98	2.07
90	68	26184	22414	0.86	1.81	25824	22105	0.86	1.89	25344	21694	0.86	1.98	24672	21119	0.86	2.11
90	72	27720	20402	0.74	1.86	27384	20155	0.74	1.93	26856	19766	0.74	2.02	26160	19254	0.74	2.15

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
PEAD-A24AA7 / SUZ-KA24NAHZ
CAPACITY : 24000(Btu/h) INPUT :2.08(kW) SHF :0.68

		OUTDOOR DB(℉)							
INDOOR	INDOOR	104				115			
DB(℉)	WB(℉)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	21048	12124	0.58	2.17	19944	11488	0.58	2.39
68	64	22416	10222	0.46	2.22	21240	9685	0.46	2.43
68	61	21048	12966	0.62	2.17	19944	12286	0.62	2.39
68	64	22416	11118	0.50	2.22	21240	10535	0.50	2.43
68	68	23832	8961	0.38	2.26	22536	8474	0.38	2.48
72	61	21048	14649	0.70	2.17	19944	13881	0.70	2.39
72	64	22416	12912	0.58	2.22	21240	12234	0.58	2.43
72	68	23832	10867	0.46	2.26	22536	10276	0.46	2.48
75	61	21048	16333	0.78	2.17	19944	15477	0.78	2.39
75	64	22416	14705	0.66	2.22	21240	13933	0.66	2.43
75	68	23832	12774	0.54	2.26	22536	12079	0.54	2.48
75	72	25248	10503	0.42	2.30	23832	9914	0.42	2.53
79	61	21048	18017	0.86	2.17	19944	17072	0.86	2.39
79	64	22416	16498	0.74	2.22	21240	15633	0.74	2.43
79	68	23832	14681	0.62	2.26	22536	13882	0.62	2.48
79	72	25248	12523	0.50	2.30	23832	11821	0.50	2.53
81	61	21048	18859	0.90	2.17	19944	17870	0.90	2.39
81	64	22416	17395	0.78	2.22	21240	16482	0.78	2.43
81	68	23832	15634	0.66	2.26	22536	14784	0.66	2.48
81	72	25248	13533	0.54	2.30	23832	12774	0.54	2.53
82	61	21048	19701	0.94	2.17	19944	18668	0.94	2.39
82	64	22416	18291	0.82	2.22	21240	17332	0.82	2.43
82	68	23832	16587	0.70	2.26	22536	15685	0.70	2.48
82	72	25248	14543	0.58	2.30	23832	13727	0.58	2.53
86	61	21048	21048	1.00	2.17	19944	19944	1.00	2.39
86	64	22416	20085	0.90	2.22	21240	19031	0.90	2.43
86	68	23832	18494	0.78	2.26	22536	17488	0.78	2.48
86	72	25248	16563	0.66	2.30	23832	15634	0.66	2.53
90	61	21048	21048	1.00	2.17	19944	19944	1.00	2.39
90	64	22416	21878	0.98	2.22	21240	20730	0.98	2.43
90	68	23832	20400	0.86	2.26	22536	19291	0.86	2.48
90	72	25248	18583	0.74	2.30	23832	17540	0.74	2.53

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
PEAD-A30AA7 / SUZ-KA30NAHZ
CAPACITY : 30000(Btu/h) INPUT :2.35(kW) SHF :0.76

		OUTDOOR DB(℉)															
INDOOR	INDOOR	68				77				86				95			
DB(℉)	WB(℉)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	28950	18991	0.66	1.95	28530	18716	0.66	2.04	27960	18342	0.66	2.15	27240	17869	0.66	2.29
68	64	30810	16514	0.54	2.00	30390	16289	0.54	2.09	29790	15967	0.54	2.20	29010	15549	0.54	2.34
68	61	28950	20149	0.70	1.95	28530	19857	0.70	2.04	27960	19460	0.70	2.15	27240	18959	0.70	2.29
68	64	30810	17747	0.58	2.00	30390	17505	0.58	2.09	29790	17159	0.58	2.20	29010	16710	0.58	2.34
68	68	32730	14925	0.46	2.05	32280	14720	0.46	2.13	31680	14446	0.46	2.24	30840	14063	0.46	2.38
72	61	28950	22465	0.78	1.95	28530	22139	0.78	2.04	27960	21697	0.78	2.15	27240	21138	0.78	2.29
72	64	30810	20211	0.66	2.00	30390	19936	0.66	2.09	29790	19542	0.66	2.20	29010	19031	0.66	2.34
72	68	32730	17543	0.54	2.05	32280	17302	0.54	2.13	31680	16980	0.54	2.24	30840	16530	0.54	2.38
75	61	28950	24781	0.86	1.95	28530	24422	0.86	2.04	27960	23934	0.86	2.15	27240	23317	0.86	2.29
75	64	30810	22676	0.74	2.00	30390	22367	0.74	2.09	29790	21925	0.74	2.20	29010	21351	0.74	2.34
75	68	32730	20162	0.62	2.05	32280	19884	0.62	2.13	31680	19515	0.62	2.24	30840	18997	0.62	2.38
75	72	34650	17186	0.50	2.10	34230	16978	0.50	2.18	33570	16651	0.50	2.29	32700	16219	0.50	2.43
79	61	28950	27097	0.94	1.95	28530	26704	0.94	2.04	27960	26171	0.94	2.15	27240	25497	0.94	2.29
79	64	30810	25141	0.82	2.00	30390	24798	0.82	2.09	29790	24309	0.82	2.20	29010	23672	0.82	2.34
79	68	32730	22780	0.70	2.05	32280	22467	0.70	2.13	31680	22049	0.70	2.24	30840	21465	0.70	2.38
79	72	34650	19958	0.58	2.10	34230	19716	0.58	2.18	33570	19336	0.58	2.29	32700	18835	0.58	2.43
81	61	28950	28255	0.98	1.95	28530	27845	0.98	2.04	27960	27289	0.98	2.15	27240	26586	0.98	2.29
81	64	30810	26373	0.86	2.00	30390	26014	0.86	2.09	29790	25500	0.86	2.20	29010	24833	0.86	2.34
81	68	32730	24089	0.74	2.05	32280	23758	0.74	2.13	31680	23316	0.74	2.24	30840	22698	0.74	2.38
81	72	34650	21344	0.62	2.10	34230	21086	0.62	2.18	33570	20679	0.62	2.29	32700	20143	0.62	2.43
82	61	28950	28950	1.00	1.95	28530	28530	1.00	2.04	27960	27960	1.00	2.15	27240	27240	1.00	2.29
82	64	30810	27606	0.90	2.00	30390	27229	0.90	2.09	29790	26692	0.90	2.20	29010	25993	0.90	2.34
82	68	32730	25398	0.78	2.05	32280	25049	0.78	2.13	31680	24584	0.78	2.24	30840	23932	0.78	2.38
82	72	34650	22730	0.66	2.10	34230	22455	0.66	2.18	33570	22022	0.66	2.29	32700	21451	0.66	2.43
86	61	28950	28950	1.00	1.95	28530	28530	1.00	2.04	27960	27960	1.00	2.15	27240	27240	1.00	2.29
86	64	30810	30071	0.98	2.00	30390	29661	0.98	2.09	29790	29075	0.98	2.20	29010	28314	0.98	2.34
86	68	32730	28017	0.86	2.05	32280	27632	0.86	2.13	31680	27118	0.86	2.24	30840	26399	0.86	2.38
86	72	34650	25502	0.74	2.10	34230	25193	0.74	2.18	33570	24708	0.74	2.29	32700	24067	0.74	2.43
90	61	28950	28950	1.00	1.95	28530	28530	1.00	2.04	27960	27960	1.00	2.15	27240	27240	1.00	2.29
90	64	30810	30810	1.00	2.00	30390	30390	1.00	2.09	29790	29790	1.00	2.20	29010	29010	1.00	2.34
90	68	32730	30635	0.94	2.05	32280	30214	0.94	2.13	31680	29652	0.94	2.24	30840	28866	0.94	2.38
90	72	34650	28274	0.82	2.10	34230	27932	0.82	2.18	33570	27393	0.82	2.29	32700	26683	0.82	2.43

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
PEAD-A30AA7 / SUZ-KA30NAHZ
CAPACITY : 30000(Btu/h) INPUT :2.35(kW) SHF :0.76

		OUTDOOR DB(℉)							
INDOOR	INDOOR	104				115			
DB(℉)	WB(℉)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	26310	17259	0.66	2.46	24930	16354	0.66	2.70
68	64	28020	15019	0.54	2.50	26550	14231	0.54	2.75
68	61	26310	18312	0.70	2.46	24930	17351	0.70	2.70
68	64	28020	16140	0.58	2.50	26550	15293	0.58	2.75
68	68	29790	13584	0.46	2.55	28170	12846	0.46	2.80
72	61	26310	20417	0.78	2.46	24930	19346	0.78	2.70
72	64	28020	18381	0.66	2.50	26550	17417	0.66	2.75
72	68	29790	15967	0.54	2.55	28170	15099	0.54	2.80
75	61	26310	22521	0.86	2.46	24930	21340	0.86	2.70
75	64	28020	20623	0.74	2.50	26550	19541	0.74	2.75
75	68	29790	18351	0.62	2.55	28170	17353	0.62	2.80
75	72	31560	15654	0.50	2.60	29790	14776	0.50	2.86
79	61	26310	24626	0.94	2.46	24930	23334	0.94	2.70
79	64	28020	22864	0.82	2.50	26550	21665	0.82	2.75
79	68	29790	20734	0.70	2.55	28170	19606	0.70	2.80
79	72	31560	18179	0.58	2.60	29790	17159	0.58	2.86
81	61	26310	25679	0.98	2.46	24930	24332	0.98	2.70
81	64	28020	23985	0.86	2.50	26550	22727	0.86	2.75
81	68	29790	21925	0.74	2.55	28170	20733	0.74	2.80
81	72	31560	19441	0.62	2.60	29790	18351	0.62	2.86
82	61	26310	26310	1.00	2.46	24930	24930	1.00	2.70
82	64	28020	25106	0.90	2.50	26550	23789	0.90	2.75
82	68	29790	23117	0.78	2.55	28170	21860	0.78	2.80
82	72	31560	20703	0.66	2.60	29790	19542	0.66	2.86
86	61	26310	26310	1.00	2.46	24930	24930	1.00	2.70
86	64	28020	27348	0.98	2.50	26550	25913	0.98	2.75
86	68	29790	25500	0.86	2.55	28170	24114	0.86	2.80
86	72	31560	23228	0.74	2.60	29790	21925	0.74	2.86
90	61	26310	26310	1.00	2.46	24930	24930	1.00	2.70
90	64	28020	28020	1.00	2.50	26550	26550	1.00	2.75
90	68	29790	27883	0.94	2.55	28170	26367	0.94	2.80
90	72	31560	25753	0.82	2.60	29790	24309	0.82	2.86

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
PEAD-A36AA7 / SUZ-KA36NAHZ
CAPACITY : 33000(Btu/h) INPUT :2.49(kW) SHF :0.88

		OUTDOOR DB(°F)															
INDOOR	INDOOR	68				77				86				95			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	31845	24712	0.78	2.07	31383	24353	0.78	2.16	30756	23867	0.78	2.28	29964	23252	0.78	2.43
68	64	33891	22232	0.66	2.12	33429	21929	0.66	2.21	32769	21496	0.66	2.33	31911	20934	0.66	2.48
68	61	31845	25986	0.82	2.07	31383	25609	0.82	2.16	30756	25097	0.82	2.28	29964	24451	0.82	2.43
68	64	33891	23588	0.70	2.12	33429	23267	0.70	2.21	32769	22807	0.70	2.33	31911	22210	0.70	2.48
68	68	36003	20738	0.58	2.17	35508	20453	0.58	2.26	34848	20072	0.58	2.38	33924	19540	0.58	2.52
72	61	31845	28533	0.90	2.07	31383	28119	0.90	2.16	30756	27557	0.90	2.28	29964	26848	0.90	2.43
72	64	33891	26299	0.78	2.12	33429	25941	0.78	2.21	32769	25429	0.78	2.33	31911	24763	0.78	2.48
72	68	36003	23618	0.66	2.17	35508	23293	0.66	2.26	34848	22860	0.66	2.38	33924	22254	0.66	2.52
75	61	31845	31081	0.98	2.07	31383	30630	0.98	2.16	30756	30018	0.98	2.28	29964	29245	0.98	2.43
75	64	33891	29011	0.86	2.12	33429	28615	0.86	2.21	32769	28050	0.86	2.33	31911	27316	0.86	2.48
75	68	36003	26498	0.74	2.17	35508	26134	0.74	2.26	34848	25648	0.74	2.38	33924	24968	0.74	2.52
75	72	38115	23479	0.62	2.22	37653	23194	0.62	2.31	36927	22747	0.62	2.42	35970	22158	0.62	2.57
79	61	31845	31845	1.00	2.07	31383	31383	1.00	2.16	30756	30756	1.00	2.28	29964	29964	1.00	2.43
79	64	33891	31722	0.94	2.12	33429	31290	0.94	2.21	32769	30672	0.94	2.33	31911	29869	0.94	2.48
79	68	36003	29378	0.82	2.17	35508	28975	0.82	2.26	34848	28436	0.82	2.38	33924	27682	0.82	2.52
79	72	38115	26528	0.70	2.22	37653	26206	0.70	2.31	36927	25701	0.70	2.42	35970	25035	0.70	2.57
81	61	31845	31845	1.00	2.07	31383	31383	1.00	2.16	30756	30756	1.00	2.28	29964	29964	1.00	2.43
81	64	33891	33078	0.98	2.12	33429	32627	0.98	2.21	32769	31983	0.98	2.33	31911	31145	0.98	2.48
81	68	36003	30819	0.86	2.17	35508	30395	0.86	2.26	34848	29830	0.86	2.38	33924	29039	0.86	2.52
81	72	38115	28053	0.74	2.22	37653	27713	0.74	2.31	36927	27178	0.74	2.42	35970	26474	0.74	2.57
82	61	31845	31845	1.00	2.07	31383	31383	1.00	2.16	30756	30756	1.00	2.28	29964	29964	1.00	2.43
82	64	33891	33891	1.00	2.12	33429	33429	1.00	2.21	32769	32769	1.00	2.33	31911	31911	1.00	2.48
82	68	36003	32259	0.90	2.17	35508	31815	0.90	2.26	34848	31224	0.90	2.38	33924	30396	0.90	2.52
82	72	38115	29577	0.78	2.22	37653	29219	0.78	2.31	36927	28655	0.78	2.42	35970	27913	0.78	2.57
86	61	31845	31845	1.00	2.07	31383	31383	1.00	2.16	30756	30756	1.00	2.28	29964	29964	1.00	2.43
86	64	33891	33891	1.00	2.12	33429	33429	1.00	2.21	32769	32769	1.00	2.33	31911	31911	1.00	2.48
86	68	36003	35139	0.98	2.17	35508	34656	0.98	2.26	34848	34012	0.98	2.38	33924	33110	0.98	2.52
86	72	38115	32626	0.86	2.22	37653	32231	0.86	2.31	36927	31610	0.86	2.42	35970	30790	0.86	2.57
90	61	31845	31845	1.00	2.07	31383	31383	1.00	2.16	30756	30756	1.00	2.28	29964	29964	1.00	2.43
90	64	33891	33891	1.00	2.12	33429	33429	1.00	2.21	32769	32769	1.00	2.33	31911	31911	1.00	2.48
90	68	36003	36003	1.00	2.17	35508	35508	1.00	2.26	34848	34848	1.00	2.38	33924	33924	1.00	2.52
90	72	38115	35676	0.94	2.22	37653	35243	0.94	2.31	36927	34564	0.94	2.42	35970	33668	0.94	2.57

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
PEAD-A36AA7 / SUZ-KA36NAHZ
CAPACITY : 33000(Btu/h) INPUT :2.49(kW) SHF :0.88

		OUTDOOR DB(°F)							
INDOOR	INDOOR	104				115			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	28941	22458	0.78	2.60	27423	21280	0.78	2.86
68	64	30822	20219	0.66	2.65	29205	19158	0.66	2.91
68	61	28941	23616	0.82	2.60	27423	22377	0.82	2.86
68	64	30822	21452	0.70	2.65	29205	20327	0.70	2.91
68	68	32769	18875	0.58	2.70	30987	17849	0.58	2.97
72	61	28941	25931	0.90	2.60	27423	24571	0.90	2.86
72	64	30822	23918	0.78	2.65	29205	22663	0.78	2.91
72	68	32769	21496	0.66	2.70	30987	20327	0.66	2.97
75	61	28941	28246	0.98	2.60	27423	26765	0.98	2.86
75	64	30822	26384	0.86	2.65	29205	24999	0.86	2.91
75	68	32769	24118	0.74	2.70	30987	22806	0.74	2.97
75	72	34716	21385	0.62	2.75	32769	20186	0.62	3.03
79	61	28941	28941	1.00	2.60	27423	27423	1.00	2.86
79	64	30822	28849	0.94	2.65	29205	27336	0.94	2.91
79	68	32769	26740	0.82	2.70	30987	25285	0.82	2.97
79	72	34716	24162	0.70	2.75	32769	22807	0.70	3.03
81	61	28941	28941	1.00	2.60	27423	27423	1.00	2.86
81	64	30822	30082	0.98	2.65	29205	28504	0.98	2.91
81	68	32769	28050	0.86	2.70	30987	26525	0.86	2.97
81	72	34716	25551	0.74	2.75	32769	24118	0.74	3.03
82	61	28941	28941	1.00	2.60	27423	27423	1.00	2.86
82	64	30822	30822	1.00	2.65	29205	29205	1.00	2.91
82	68	32769	29361	0.90	2.70	30987	27764	0.90	2.97
82	72	34716	26940	0.78	2.75	32769	25429	0.78	3.03
86	61	28941	28941	1.00	2.60	27423	27423	1.00	2.86
86	64	30822	30822	1.00	2.65	29205	29205	1.00	2.91
86	68	32769	31983	0.98	2.70	30987	30243	0.98	2.97
86	72	34716	29717	0.86	2.75	32769	28050	0.86	3.03
90	61	28941	28941	1.00	2.60	27423	27423	1.00	2.86
90	64	30822	30822	1.00	2.65	29205	29205	1.00	2.91
90	68	32769	32769	1.00	2.70	30987	30987	1.00	2.97
90	72	34716	32494	0.94	2.75	32769	30672	0.94	3.03

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

HEATING operation at Rated frequency

PEAD-A09AA7 / SUZ-KA09NAHZ

CAPACITY : 12000(Btu/h) INPUT : 0.91(kW)

	OUTDOOR WB(°F)											
INDOOR	14		23		32		41		50		59	
DB(°F)	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
59	8280	0.72	10080	0.84	10980	0.89	12540	0.88	13620	0.93	14880	0.97
68	7860	0.74	9660	0.86	10500	0.91	12060	0.90	13140	0.95	14400	0.99
77	7560	0.76	9360	0.88	10200	0.93	11640	0.93	12720	0.97	13920	1.01

PEAD-A12AA7 / SUZ-KA12NAHZ

CAPACITY : 15000(Btu/h) INPUT : 1.10(kW)

	OUTDOOR WB(°F)											
INDOOR	14		23		32		41		50		59	
DB(°F)	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
59	10350	0.86	12600	1.01	13725	1.08	15675	1.07	17025	1.12	18600	1.17
68	9825	0.89	12075	1.04	13125	1.10	15075	1.09	16425	1.15	18000	1.20
77	9450	0.92	11700	1.06	12750	1.13	14550	1.12	15900	1.17	17400	1.23

PEAD-A15AA7 / SUZ-KA15NAHZ

CAPACITY : 18000(Btu/h) INPUT : 1.71(kW)

	OUTDOOR WB(°F)											
INDOOR	14		23		32		41		50		59	
DB(°F)	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
59	12420	1.34	15120	1.57	16470	1.67	18810	1.66	20430	1.74	22320	1.83
68	11790	1.38	14490	1.61	15750	1.72	18090	1.70	19710	1.78	21600	1.87
77	11340	1.43	14040	1.65	15300	1.76	17460	1.74	19080	1.82	20880	1.91

PEAD-A18AA7 / SUZ-KA18NAHZ

CAPACITY : 21600(Btu/h) INPUT : 1.89(kW)

	OUTDOOR WB(°F)											
INDOOR	14		23		32		41		50		59	
DB(°F)	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
59	14904	1.49	18144	1.74	19764	1.85	22572	1.83	24516	1.92	26784	2.02
68	14148	1.53	17388	1.78	18900	1.90	21708	1.88	23652	1.97	25920	2.06
77	13608	1.58	16848	1.83	18360	1.94	20952	1.92	22896	2.01	25056	2.11

PEAD-A24AA7 / SUZ-KA24NAHZ

CAPACITY : 25000(Btu/h) INPUT : 1.92(kW)

	OUTDOOR WB(°F)											
INDOOR	14		23		32		41		50		59	
DB(°F)	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
59	15875	1.13	17250	1.25	19250	1.44	25250	1.73	28500	1.92	31750	2.07
68	15250	1.23	16500	1.34	18250	1.56	24375	1.86	27500	2.07	30625	2.23
77	14750	1.31	16000	1.46	17500	1.69	23000	1.98	26500	2.22	29500	2.39

PEAD-A30AA7 / SUZ-KA30NAHZ

CAPACITY : 32000(Btu/h) INPUT : 2.74(kW)

	OUTDOOR WB(°F)											
INDOOR	14		23		32		41		50		59	
DB(°F)	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
59	20320	1.62	22080	1.78	24640	2.06	32320	2.47	36480	2.74	40640	2.96
68	19520	1.75	21120	1.92	23360	2.22	31200	2.66	35200	2.96	39200	3.18
77	18880	1.86	20480	2.08	22400	2.41	29440	2.82	33920	3.16	37760	3.41

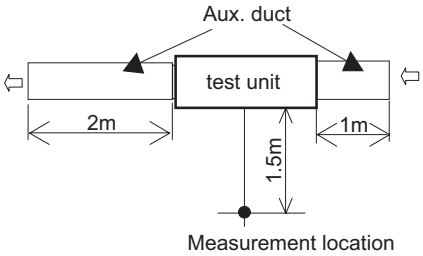
PEAD-A36AA7 / SUZ-KA36NAHZ

CAPACITY : 37000(Btu/h) INPUT : 2.94(kW)

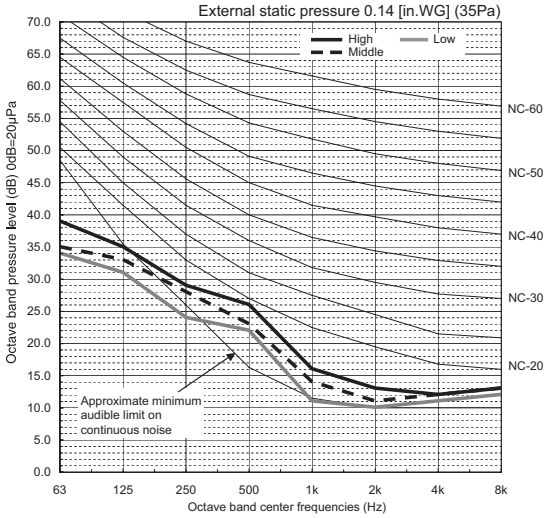
	OUTDOOR WB(°F)											
INDOOR	14		23		32		41		50		59	
DB(°F)	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
59	23495	1.73	25530	1.91	28490	2.21	37370	2.65	42180	2.94	46990	3.18
68	22570	1.88	24420	2.06	27010	2.38	36075	2.85	40700	3.18	45325	3.41
77	21830	2.00	23680	2.23	25900	2.59	34040	3.03	39220	3.40	43660	3.66

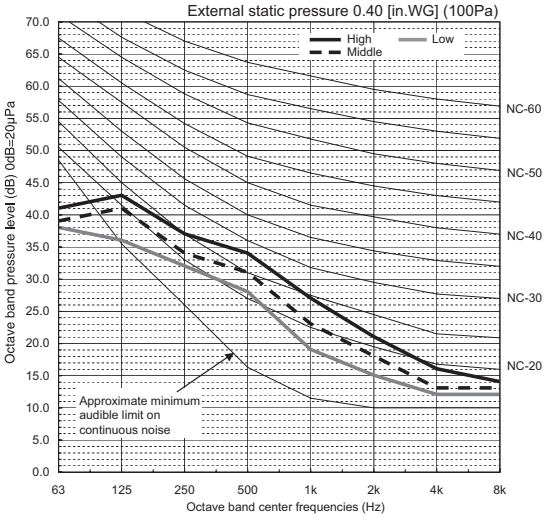
Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

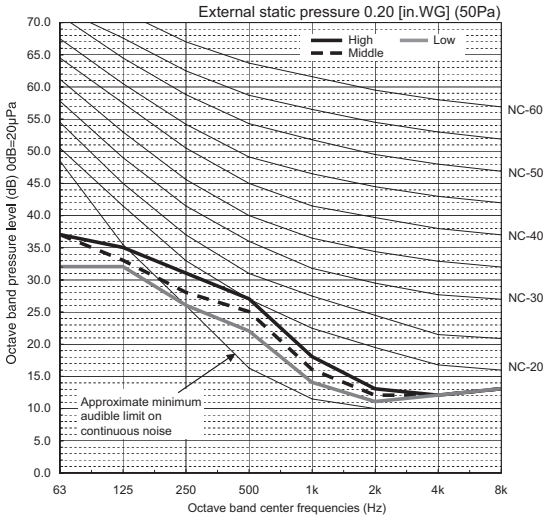
A.6.6 NOISE CRITERIA CURVES

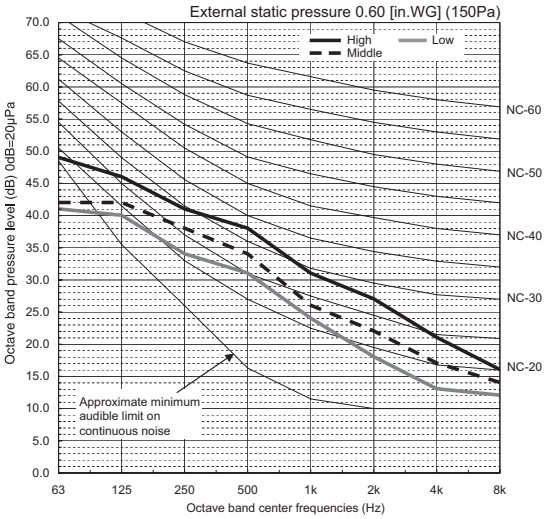


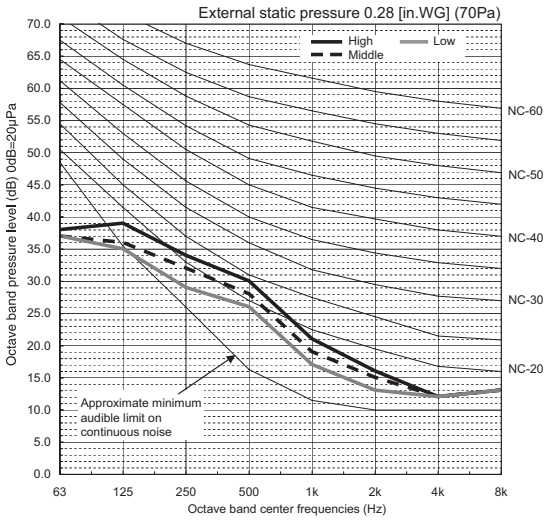
PEAD-A09AA7





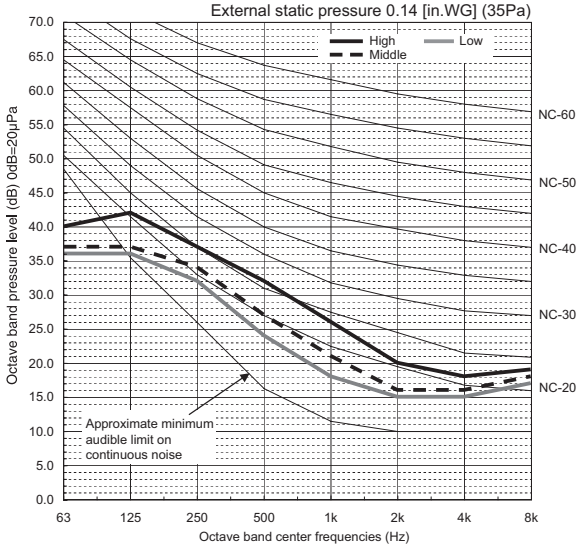




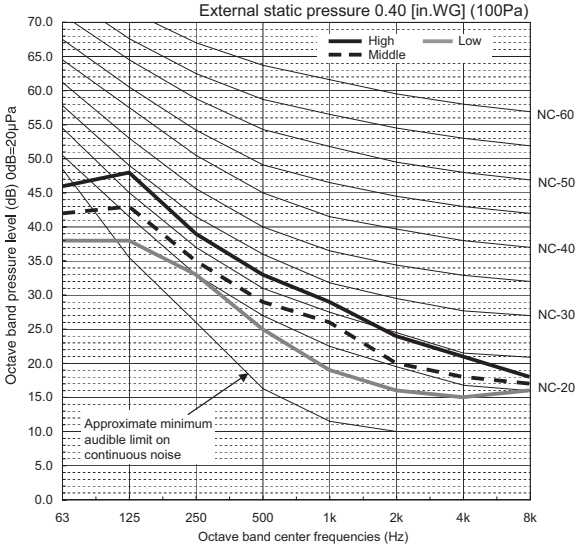


PEAD-A12AA7

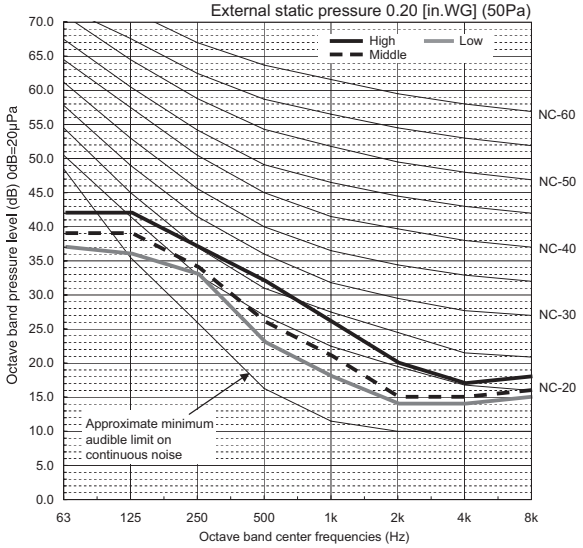
External static pressure 0.14 [in.WG] (35Pa)



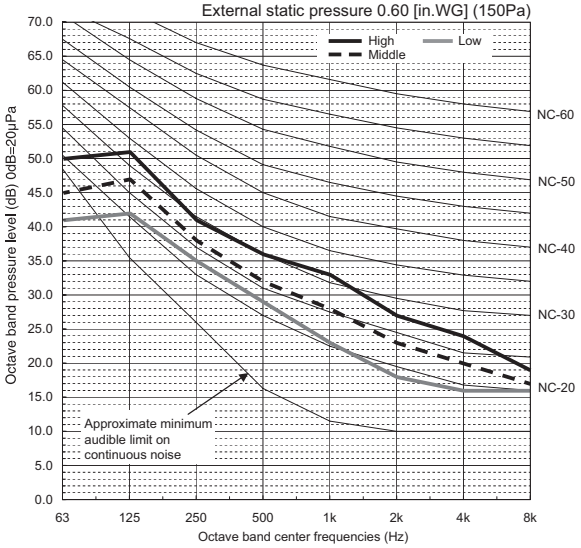
External static pressure 0.40 [in.WG] (100Pa)



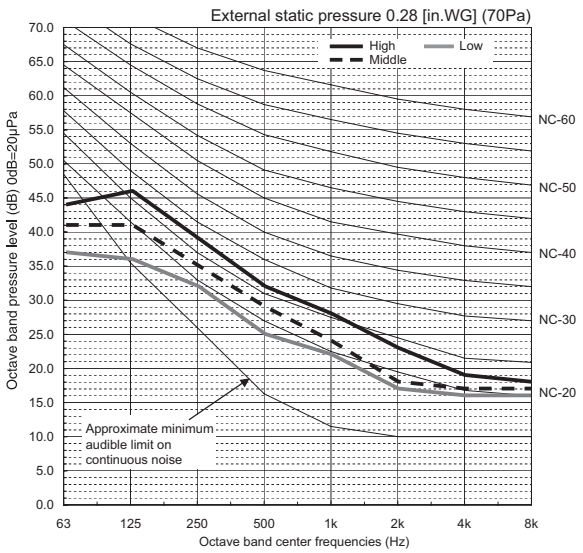
External static pressure 0.20 [in.WG] (50Pa)



External static pressure 0.60 [in.WG] (150Pa)

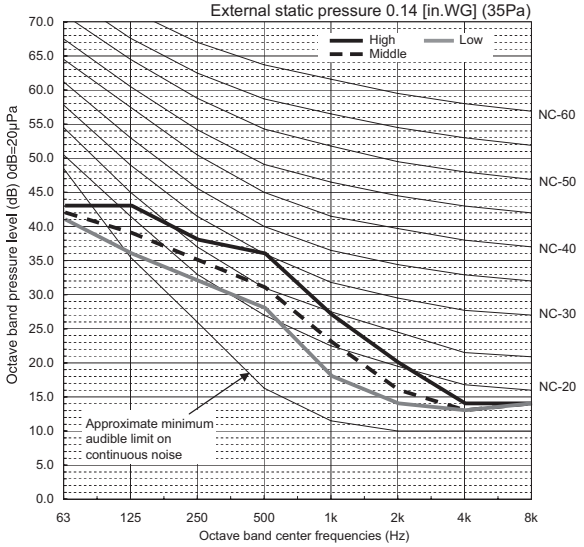


External static pressure 0.28 [in.WG] (70Pa)

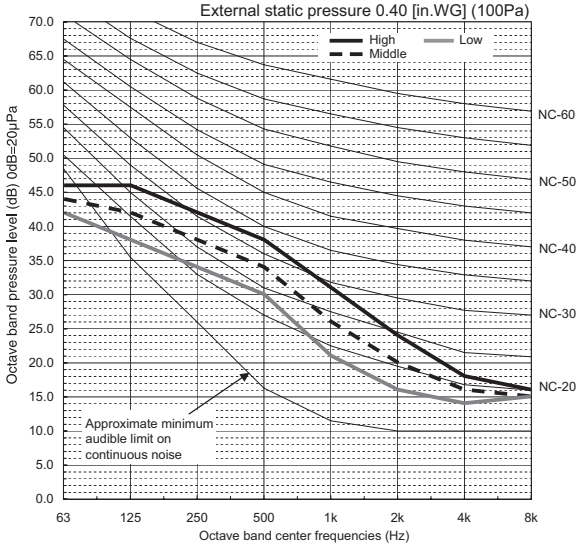


PEAD-A15, 18AA7

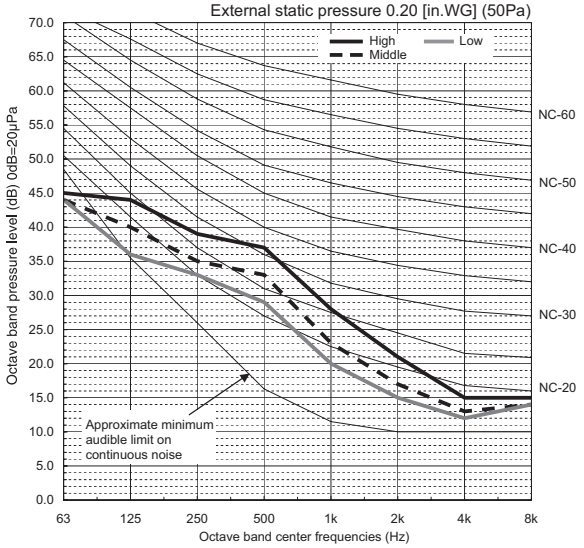
External static pressure 0.14 [in.WG] (35Pa)



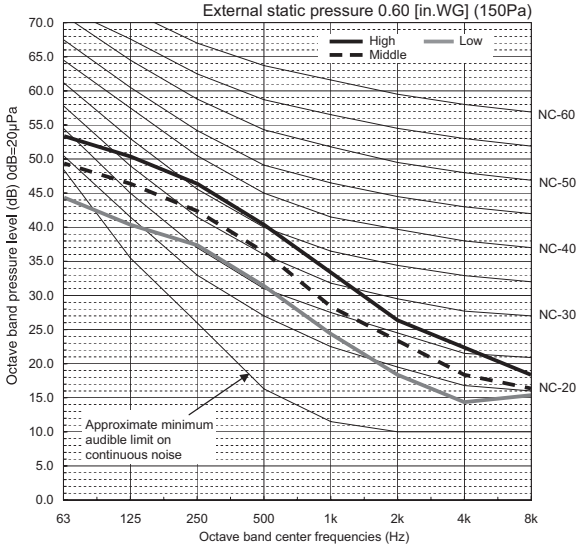
External static pressure 0.40 [in.WG] (100Pa)



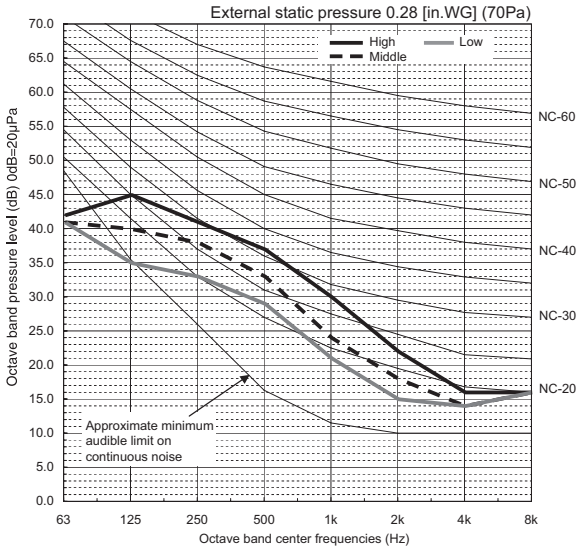
External static pressure 0.20 [in.WG] (50Pa)



External static pressure 0.60 [in.WG] (150Pa)

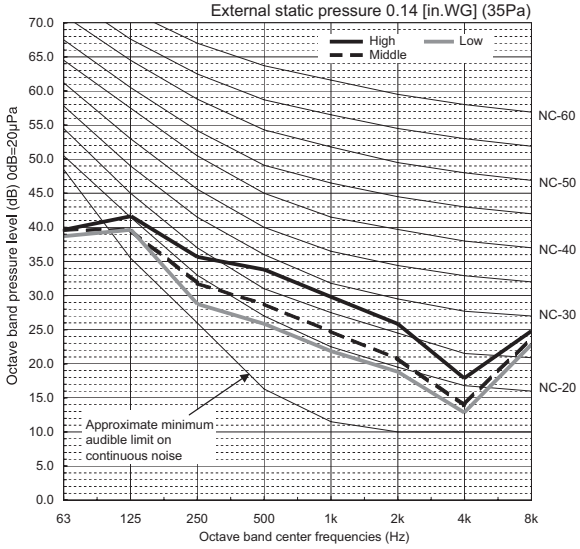


External static pressure 0.28 [in.WG] (70Pa)

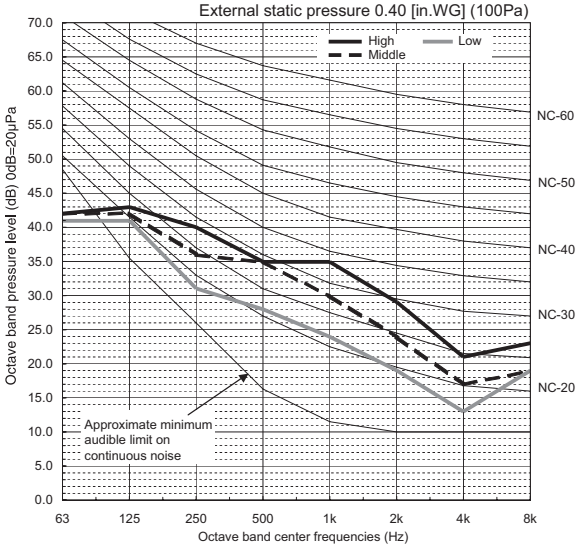


PEAD-A24AA7

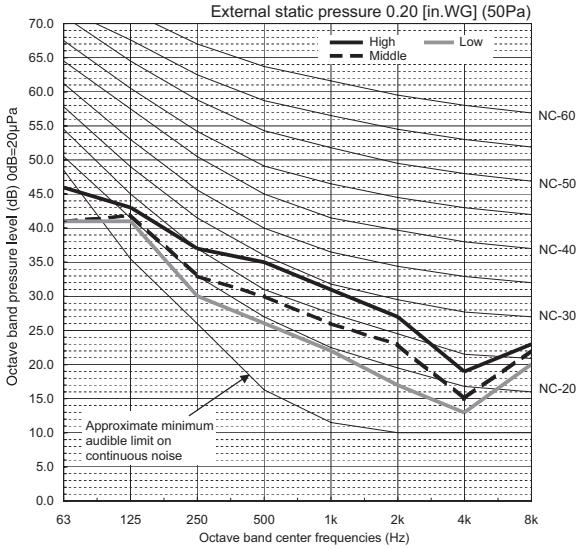
External static pressure 0.14 [in.WG] (35Pa)



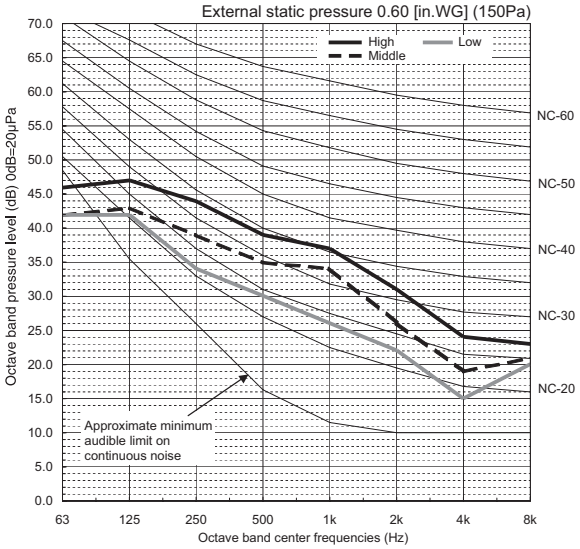
External static pressure 0.40 [in.WG] (100Pa)



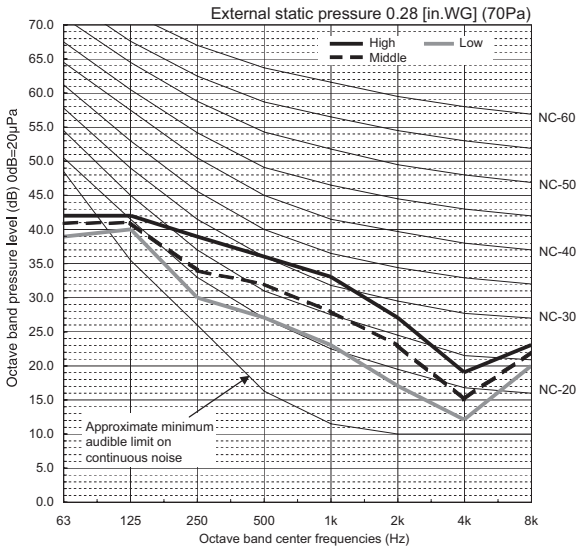
External static pressure 0.20 [in.WG] (50Pa)



External static pressure 0.60 [in.WG] (150Pa)

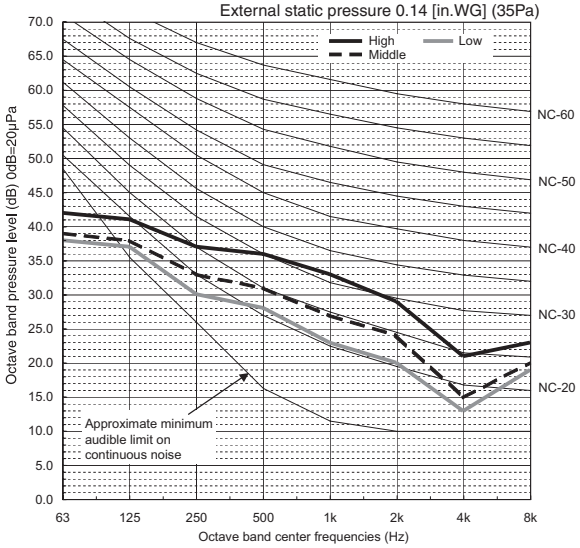


External static pressure 0.28 [in.WG] (70Pa)

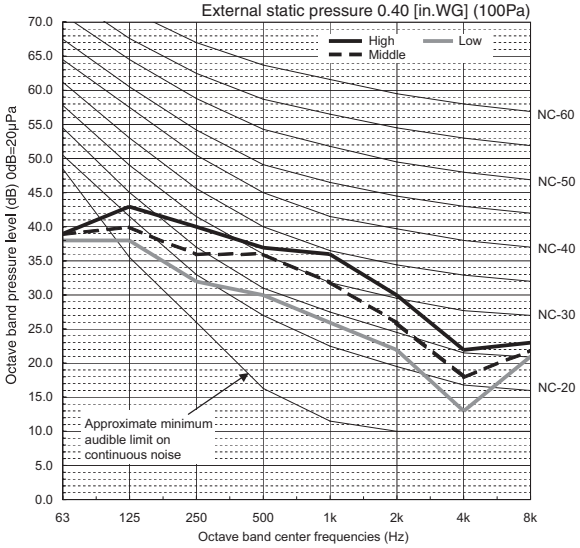


PEAD-A30AA7

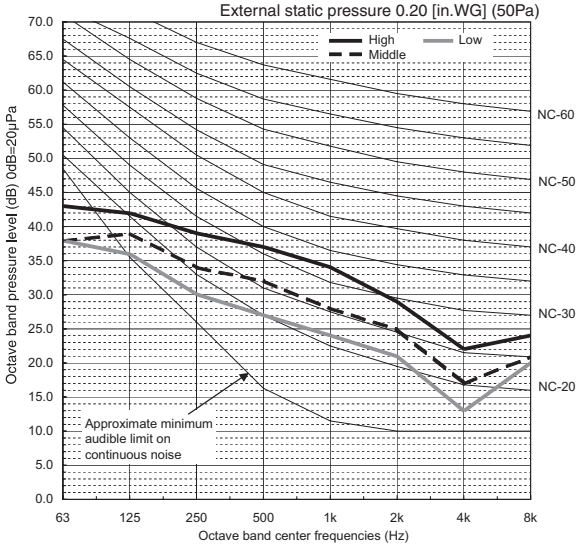
External static pressure 0.14 [in.WG] (35Pa)



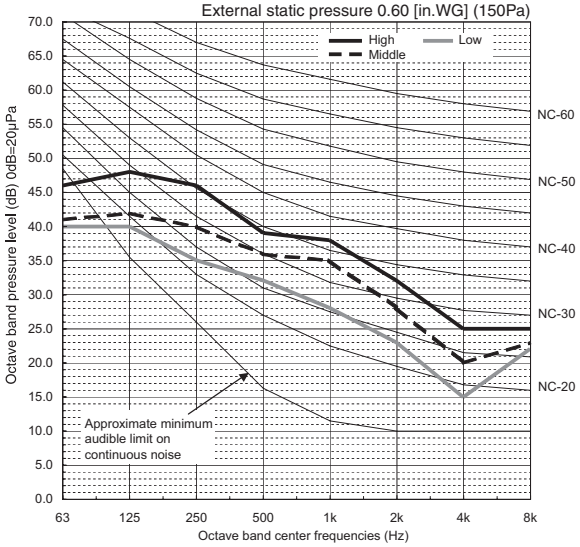
External static pressure 0.40 [in.WG] (100Pa)



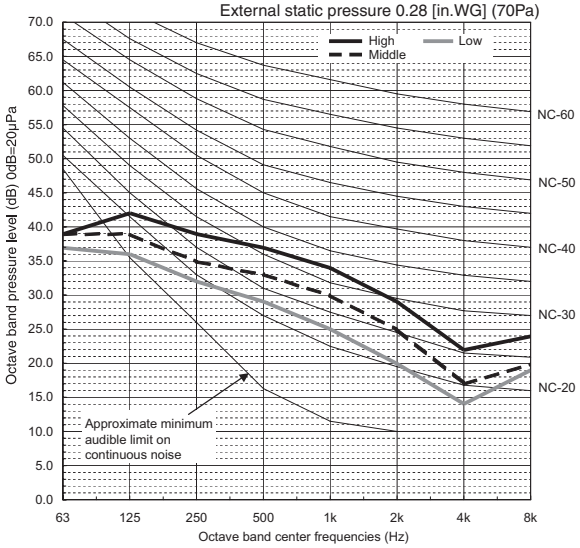
External static pressure 0.20 [in.WG] (50Pa)



External static pressure 0.60 [in.WG] (150Pa)

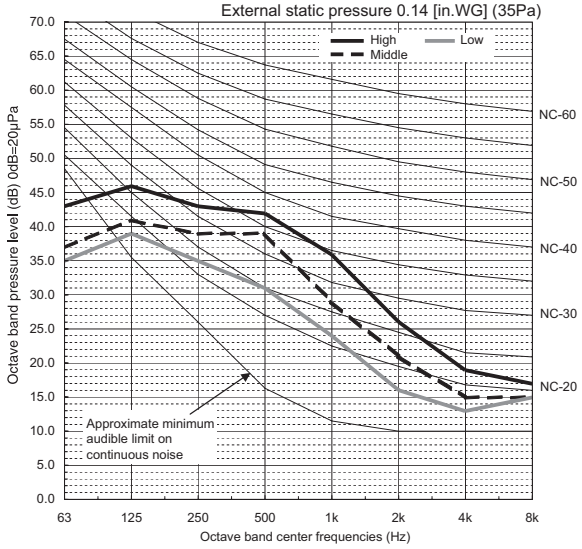


External static pressure 0.28 [in.WG] (70Pa)

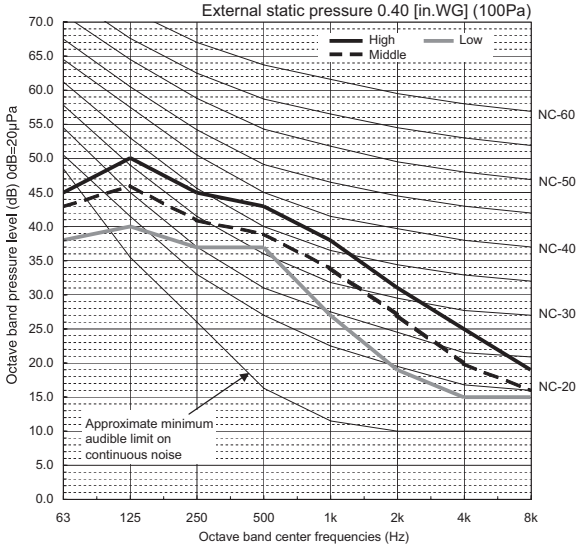


PEAD-A36AA7

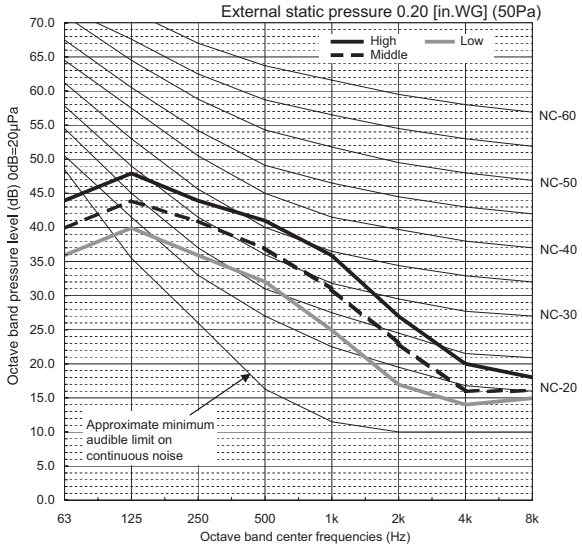
External static pressure 0.14 [in.WG] (35Pa)



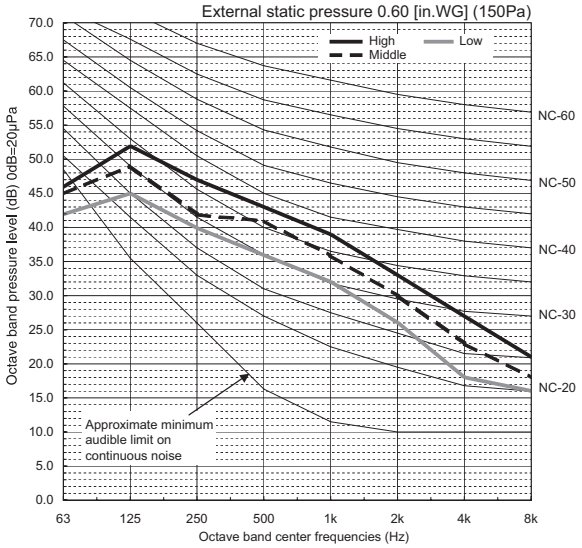
External static pressure 0.40 [in.WG] (100Pa)



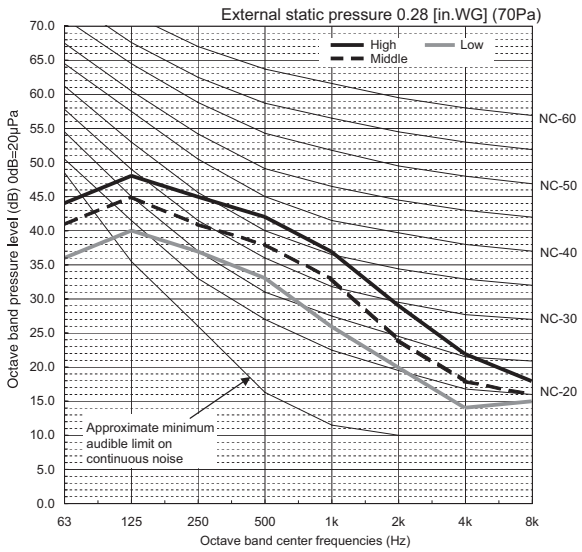
External static pressure 0.20 [in.WG] (50Pa)



External static pressure 0.60 [in.WG] (150Pa)

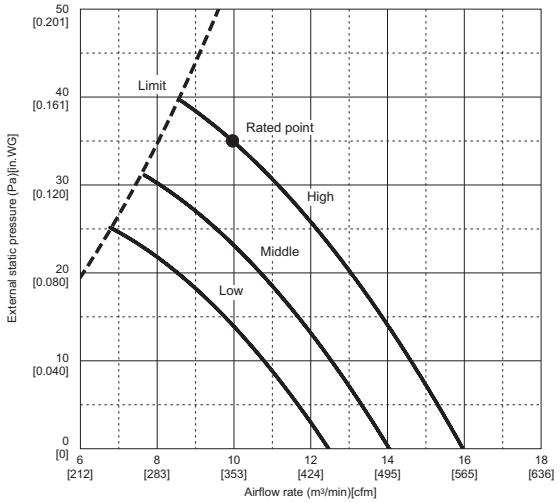


External static pressure 0.28 [in.WG] (70Pa)

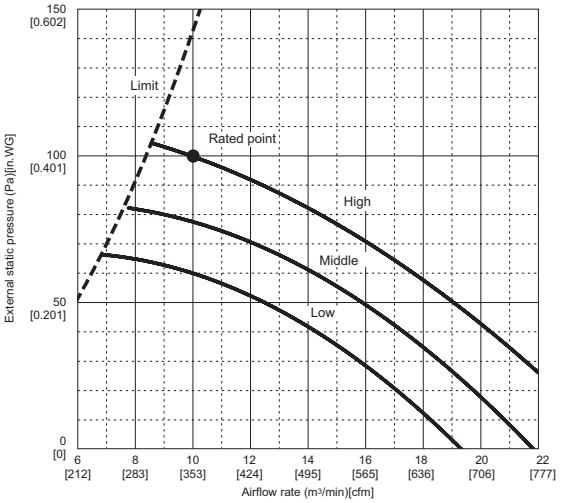


A.6.7 FAN PERFORMANCE

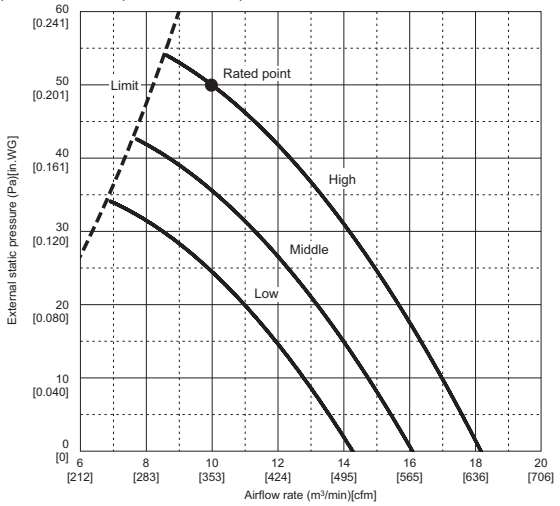
PEAD-A09AA7
(External static pressure 35Pa) 208-230V 60Hz



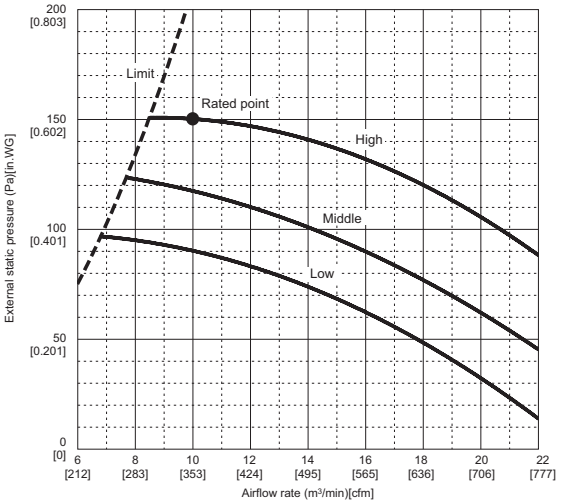
PEAD-A09AA7
(External static pressure 100Pa) 208-230V 60Hz



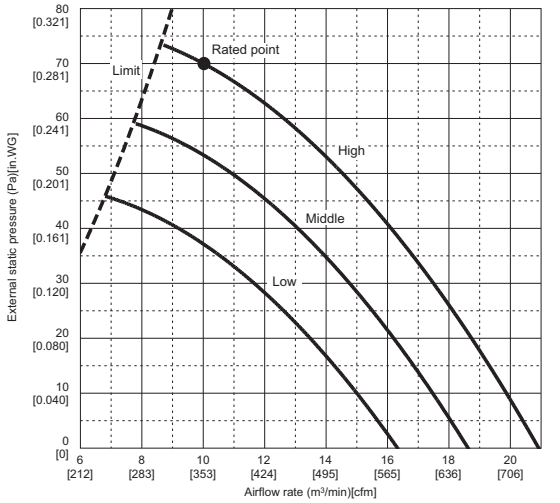
PEAD-A09AA7
(External static pressure 50Pa) 208-230V 60Hz



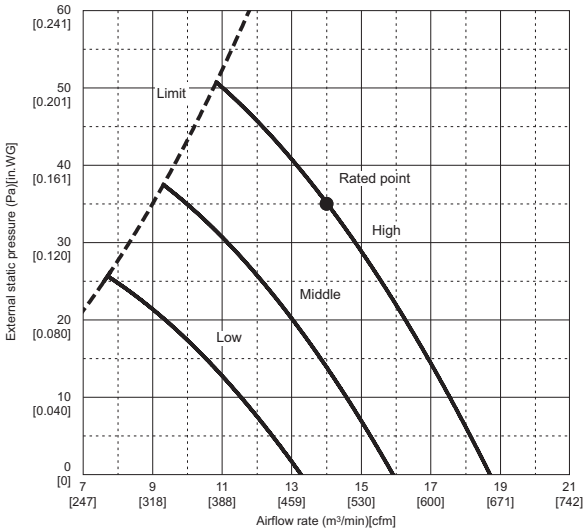
PEAD-A09AA7
(External static pressure 150Pa) 208-230V 60Hz



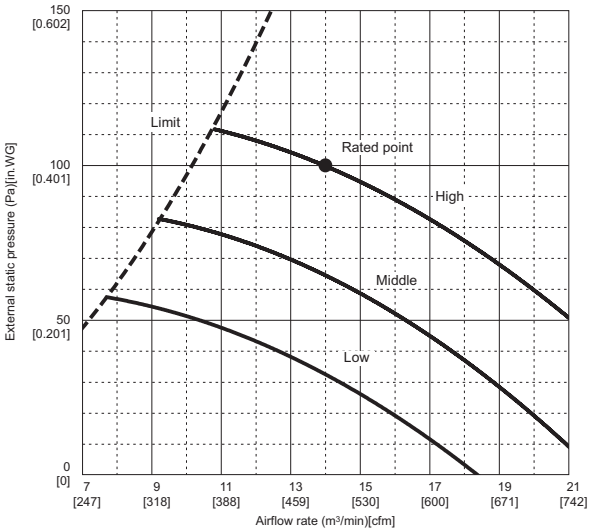
PEAD-A09AA7
(External static pressure 70Pa) 208-230V 60Hz



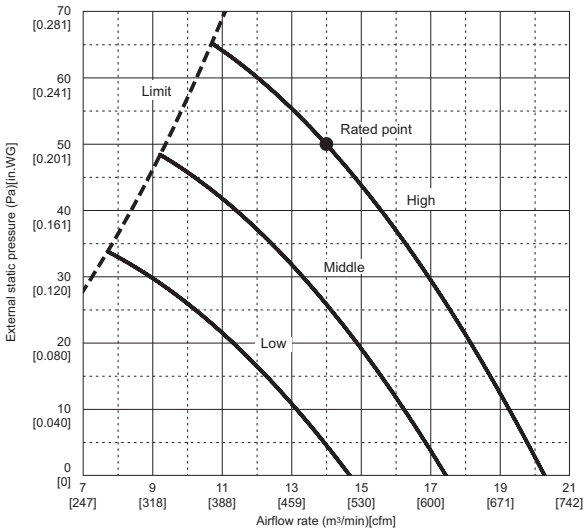
PEAD-A12AA7
(External static pressure 35Pa) 208-230V 60Hz



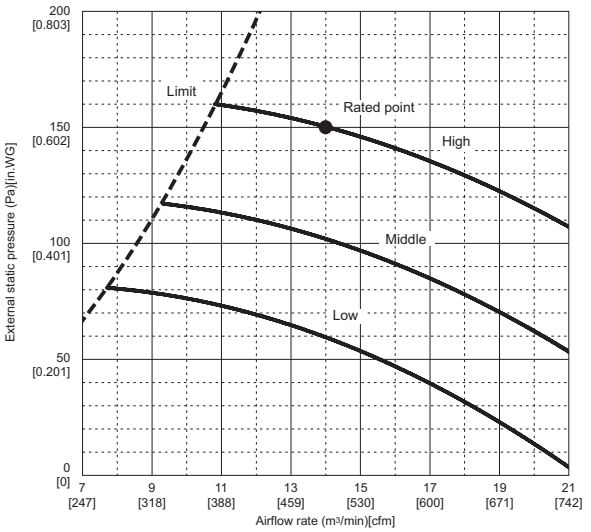
PEAD-A12AA7
(External static pressure 100Pa) 208-230V 60Hz



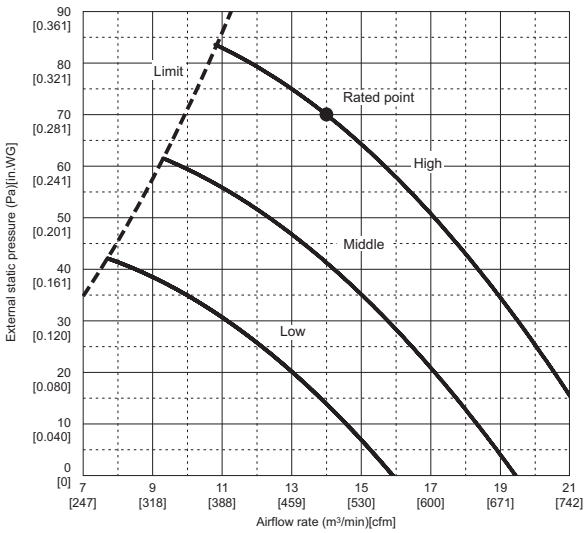
PEAD-A12AA7
(External static pressure 50Pa) 208-230V 60Hz



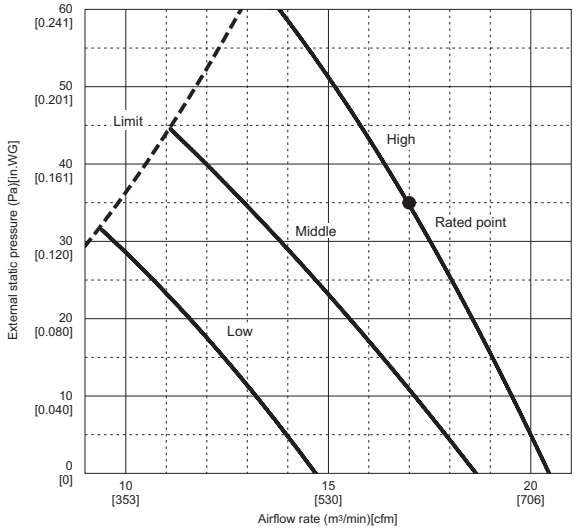
PEAD-A12AA7
(External static pressure 150Pa) 208-230V 60Hz



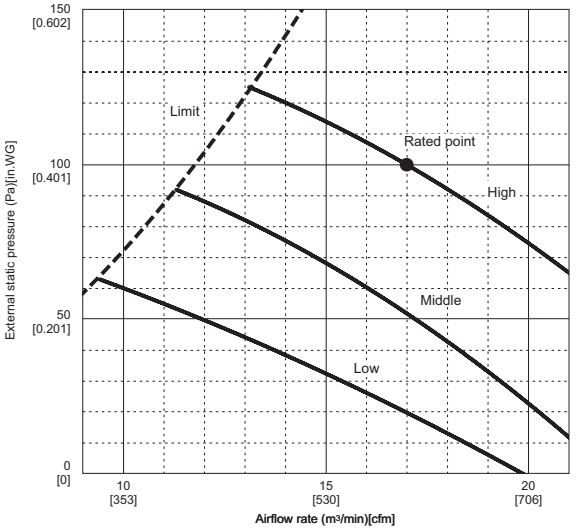
PEAD-A12AA7
(External static pressure 70Pa) 208-230V 60Hz



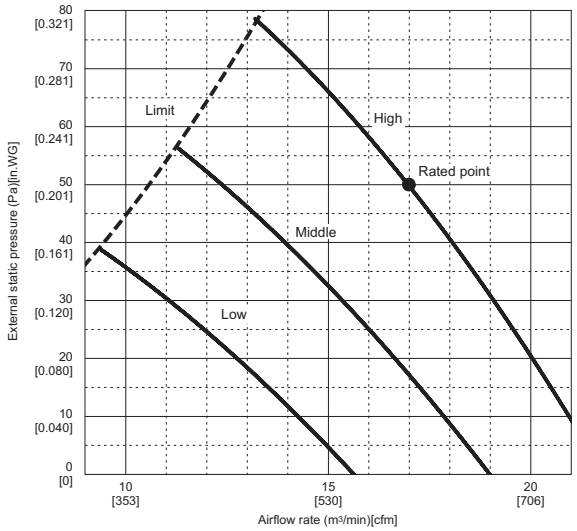
PEAD-A15, 18AA7
(External static pressure 35Pa) 208-230V 60Hz



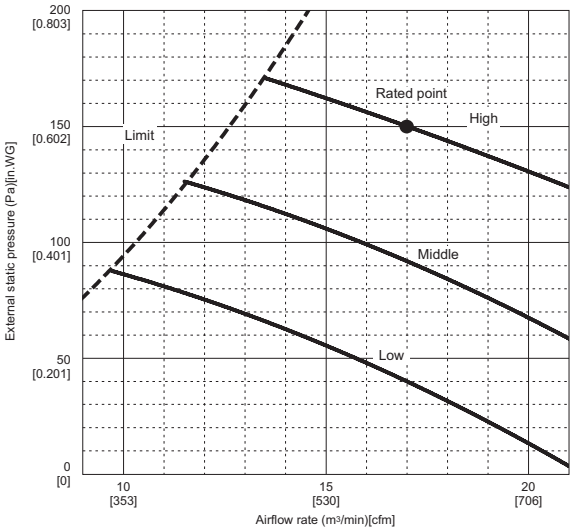
PEAD-A15, 18AA7
(External static pressure 100Pa) 208-230V 60Hz



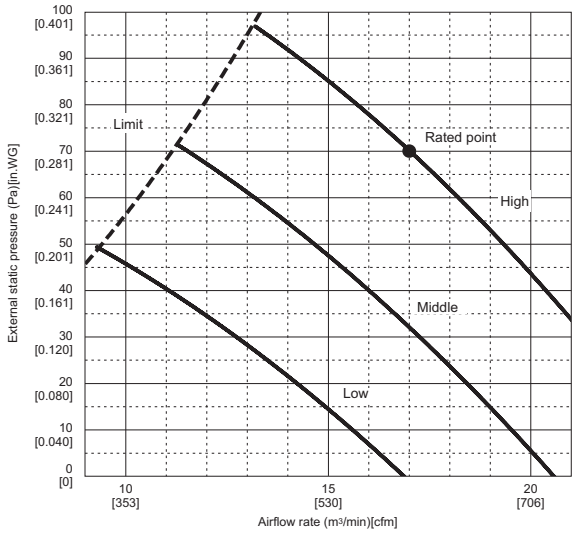
PEAD-A15, 18AA7
(External static pressure 50Pa) 208-230V 60Hz



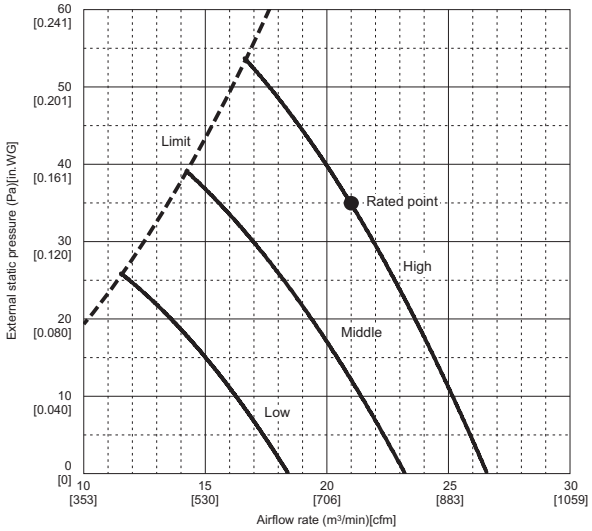
PEAD-A15, 18AA7
(External static pressure 150Pa) 208-230V 60Hz



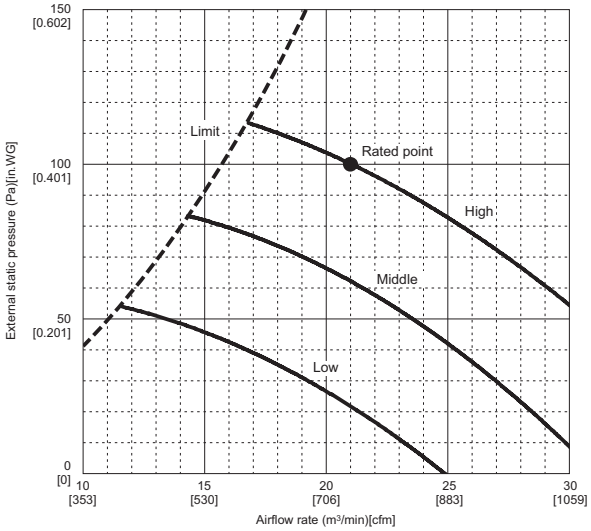
PEAD-A15, 18AA7
(External static pressure 70Pa) 208-230V 60Hz



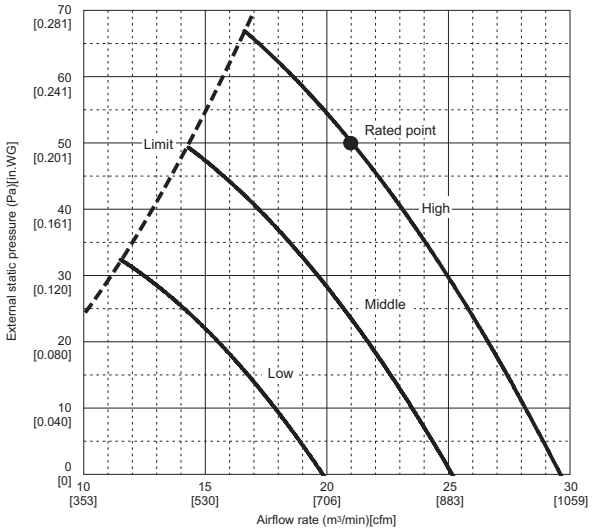
PEAD-A24AA7
(External static pressure 35Pa) 208-230V 60Hz



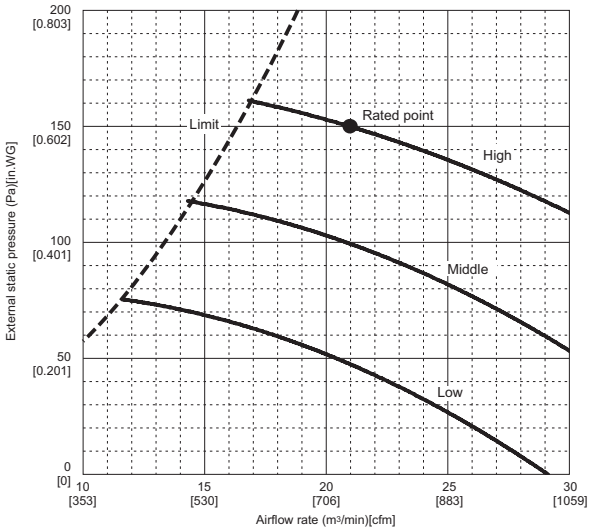
PEAD-A24AA7
(External static pressure 100Pa) 208-230V 60Hz



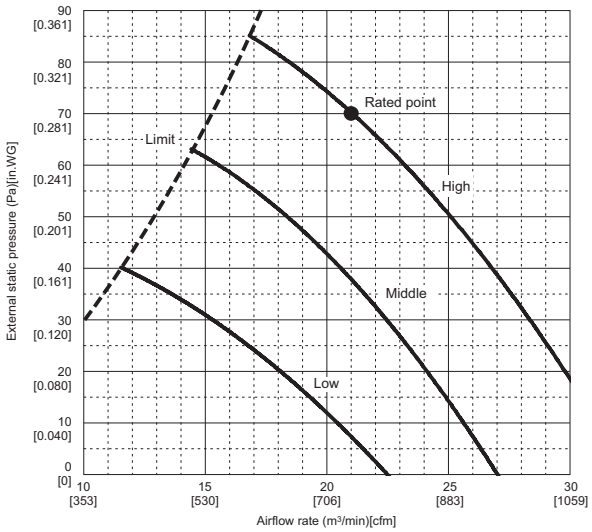
PEAD-A24AA7
(External static pressure 50Pa) 208-230V 60Hz



PEAD-A24AA7
(External static pressure 150Pa) 208-230V 60Hz

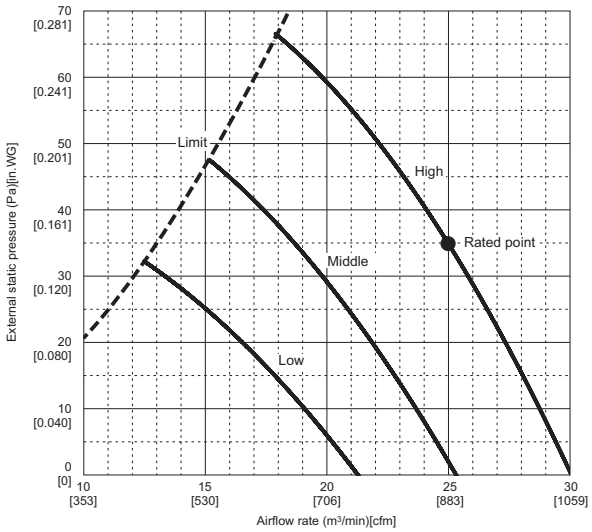


PEAD-A24AA7
(External static pressure 70Pa) 208-230V 60Hz



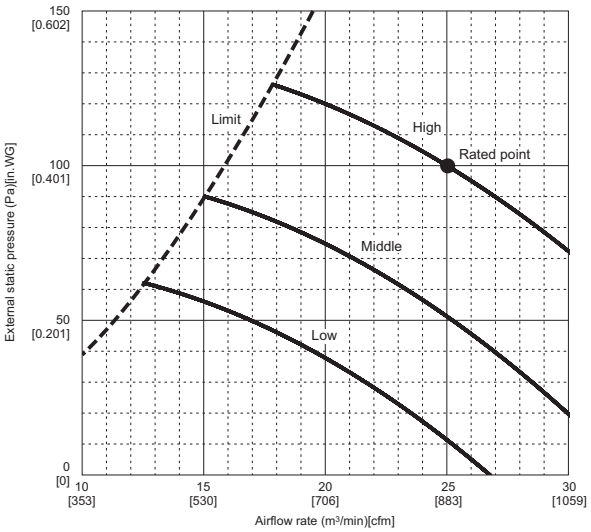
PEAD-A30AA7

(External static pressure 35Pa) 208-230V 60Hz



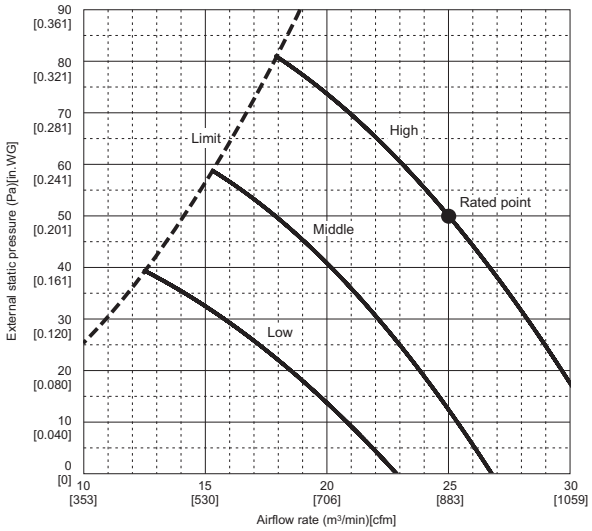
PEAD-A30AA7

(External static pressure 100Pa) 208-230V 60Hz



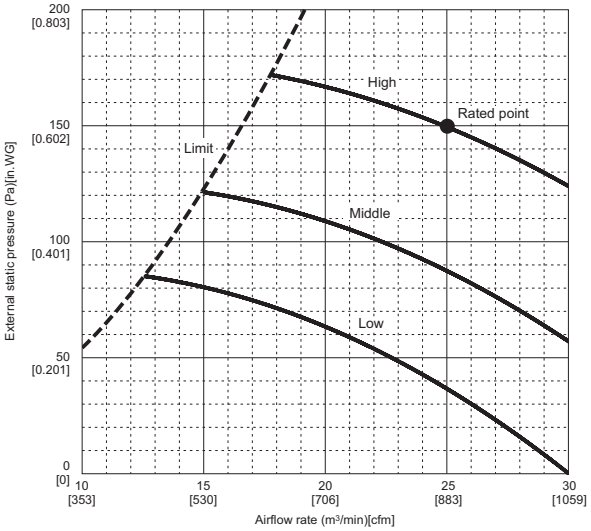
PEAD-A30AA7

(External static pressure 50Pa) 208-230V 60Hz



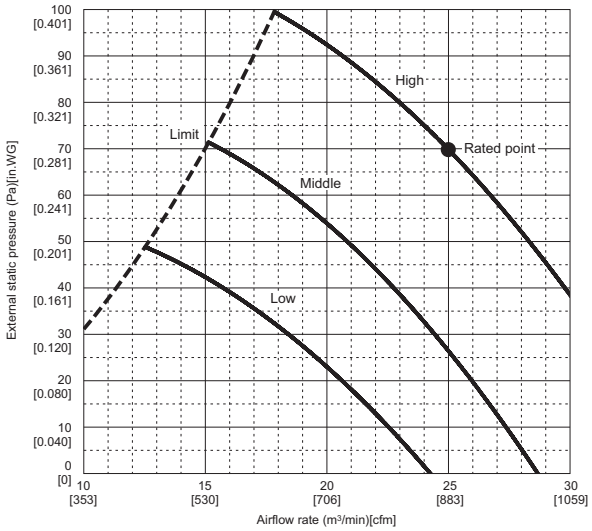
PEAD-A30AA7

(External static pressure 150Pa) 208-230V 60Hz

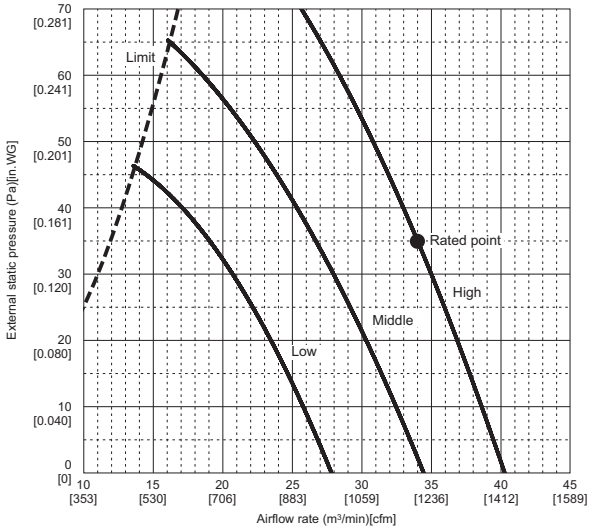


PEAD-A30AA7

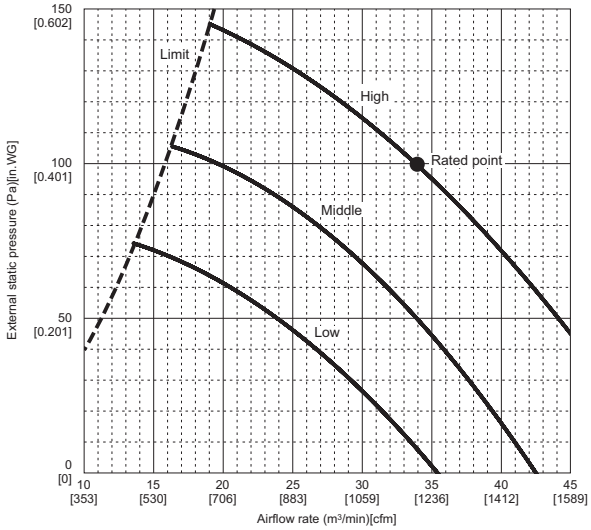
(External static pressure 70Pa) 208-230V 60Hz



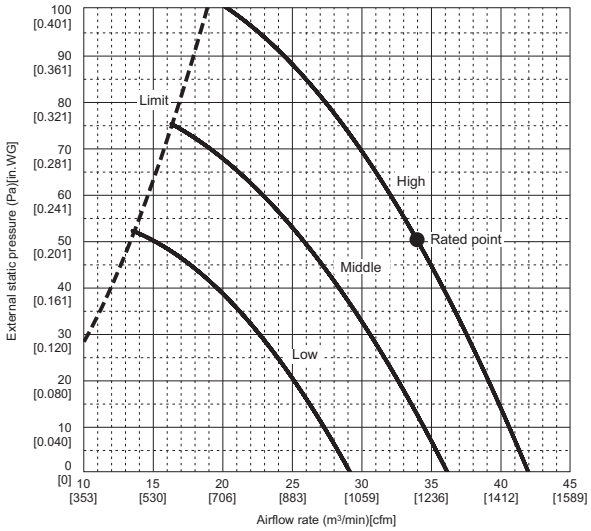
PEAD-A36AA7
(External static pressure 35Pa) 208-230V 60Hz



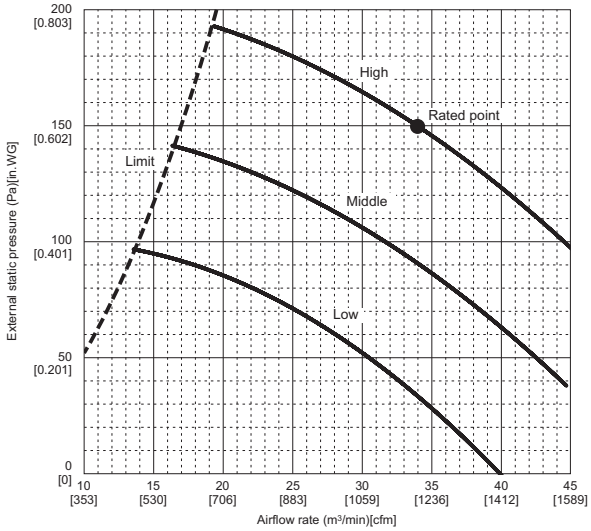
PEAD-A36AA7
(External static pressure 100Pa) 208-230V 60Hz



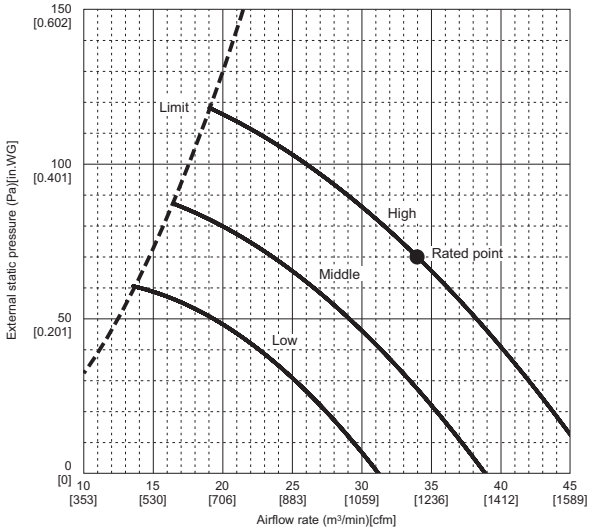
PEAD-A36AA7
(External static pressure 50Pa) 208-230V 60Hz



PEAD-A36AA7
(External static pressure 150Pa) 208-230V 60Hz

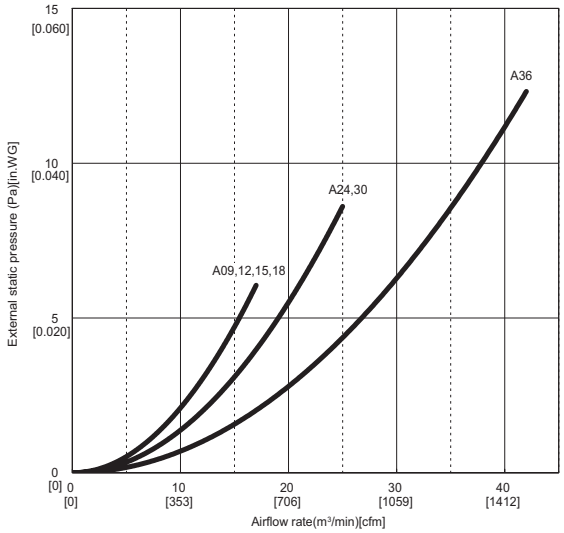


PEAD-A36AA7
(External static pressure 70Pa) 208-230V 60Hz



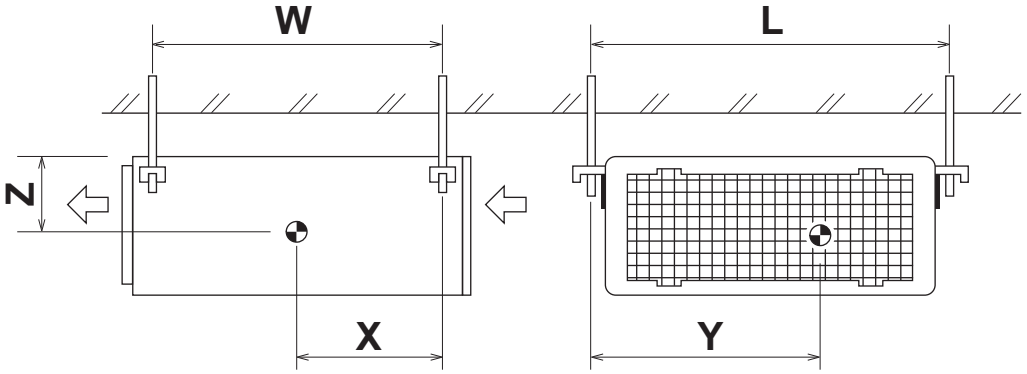
PEAD-A09,12,15,18,24,30,36AA7

Air filter 208-230V 60Hz



A.6.8 CENTER OF GRAVITY POSITION

Ceiling-concealed type



in(mm)

Model name	W	L	X	Y	Z
PEAD-A09AA7 PEAD-A12AA7 PEAD-A15AA7 PEAD-A18AA7	25-5/16 (643)	37-9/16 (954)	13-3/8 (340)	14-3/4 (375)	5-1/8 (130)
PEAD-A24AA7 PEAD-A30AA7		45-7/16 (1154)	12-13/16 (325)	20-11/16 (525)	
PEAD-A36AA7		57-1/4 (1454)	13 (330)	26-9/16 (675)	

A.6.9 PART LOAD CAPACITY CHART

A.6.9.1 SUZ series

PEAD-A09AA7
SUZ-KA09NA2
1) COOLING

Rated
Q(Btu/h): 9,000
W: 720

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
115	46.1	Q(Btu/h)	8,216	8,216	6,162	4,108	-	3,925	7,693	7,693	5,770	3,846	-	3,676	7,021	7,021	5,266	3,510	-	3,354
		W	809	809	607	404	-	270	789	789	592	395	-	263	756	756	567	378	-	252
110	43.3	Q(Btu/h)	8,589	8,589	6,442	4,295	-	4,104	7,992	7,992	5,994	3,996	-	3,818	7,320	7,320	5,490	3,660	-	3,497
		W	796	796	597	398	-	265	776	776	582	388	-	259	740	740	555	370	-	247
105	40.6	Q(Btu/h)	8,963	8,963	6,722	4,481	-	4,282	8,290	8,290	6,218	4,145	-	3,961	7,693	7,693	5,770	3,846	-	3,676
		W	786	786	589	393	-	262	756	756	567	378	-	252	723	723	542	362	-	241
100	37.8	Q(Btu/h)	9,261	9,261	6,946	4,631	-	4,425	8,664	8,664	6,498	4,332	-	4,139	7,992	7,992	5,994	3,996	-	3,818
		W	763	763	572	381	-	254	740	740	555	370	-	247	707	707	530	353	-	236
95	35.0	Q(Btu/h)	9,635	9,635	7,226	4,817	-	4,603	9,000	9,000	6,750	4,500	-	4,300	8,365	8,365	6,274	4,183	-	3,997
		W	750	750	562	375	-	250	720	720	540	360	-	240	690	690	518	345	-	230
90	32.2	Q(Btu/h)	9,934	9,934	7,450	4,967	-	4,746	9,336	9,336	7,002	4,668	-	4,461	8,664	8,664	6,498	4,332	-	4,139
		W	723	723	542	362	-	241	690	690	518	345	-	230	664	664	498	332	-	221
85	29.4	Q(Btu/h)	10,307	10,307	7,730	5,154	-	4,924	9,710	9,710	7,282	4,855	-	4,639	9,037	9,037	6,778	4,519	-	4,318
		W	697	697	523	348	-	232	664	664	498	332	-	221	641	641	481	321	-	214
80	26.7	Q(Btu/h)	10,606	10,606	7,954	5,303	-	5,067	10,008	10,008	7,506	5,004	-	4,782	9,411	9,411	7,058	4,705	-	4,496
		W	671	671	503	335	-	224	635	635	476	317	-	212	615	615	461	307	-	205
75	23.9	Q(Btu/h)	10,979	10,979	8,234	5,490	-	5,246	10,307	10,307	7,730	5,154	-	4,924	9,747	9,747	7,310	4,873	-	4,657
		W	641	641	481	321	-	214	605	605	454	302	-	202	591	591	443	296	-	197
70	21.1	Q(Btu/h)	11,241	11,241	8,430	5,620	-	5,371	10,531	10,531	7,898	5,266	-	5,032	10,083	10,083	7,562	5,041	-	4,817
		W	608	608	456	304	-	203	579	579	434	289	-	193	556	556	417	278	-	185
67	19.4	Q(Btu/h)	11,353	11,353	8,515	5,676	-	5,424	10,755	10,755	8,066	5,378	-	5,139	10,307	10,307	7,730	5,154	-	4,924
		W	579	579	434	289	-	193	556	556	417	278	-	185	526	526	395	263	-	175

* It may not reach the above capacities in low ambient temperatures.

Rated
Q(Btu/h): 12,000
W: 900

2) HEATING

Indoor D.B.			77°F / 25.0°C						68°F / 20.0°C						59°F / 15.0°C					
Outdoor W.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
65	18.3	Q(Btu/h)	16,361	15,102	11,327	7,551	-	4,984	17,053	15,741	11,806	7,871	-	5,195	17,633	15,840	11,880	7,920	-	5,227
		W	1,221	1,037	777	518	-	253	1,183	1,005	753	502	-	246	1,150	941	705	470	-	230
60	15.6	Q(Btu/h)	15,518	14,324	10,743	7,162	-	4,727	16,178	14,934	11,200	7,467	-	4,928	16,697	15,300	11,475	7,650	-	5,049
		W	1,207	1,025	768	512	-	250	1,166	990	743	495	-	242	1,136	932	699	466	-	228
55	12.8	Q(Btu/h)	14,649	13,522	10,142	6,761	-	4,462	15,288	14,112	10,584	7,056	-	4,657	15,763	14,760	11,070	7,380	-	4,871
		W	1,187	1,007	756	504	-	246	1,144	971	728	485	-	237	1,113	923	692	461	-	226
50	10.0	Q(Btu/h)	13,759	12,701	9,525	6,350	-	4,191	14,386	13,279	9,959	6,639	-	4,382	14,831	14,160	10,620	7,080	-	4,673
		W	1,160	985	739	493	-	241	1,115	947	710	473	-	231	1,083	914	685	457	-	223
45	7.2	Q(Btu/h)	12,849	11,861	8,896	5,930	-	3,914	13,473	12,436	9,327	6,218	-	4,104	13,901	13,560	10,170	6,780	-	4,475
		W	1,128	958	719	479	-	234	1,081	918	689	459	-	224	1,045	900	675	450	-	220
40	4.4	Q(Btu/h)	11,923	11,006	8,255	5,503	-	3,632	12,552	11,587	8,690	5,793	-	3,824	12,973	13,200	9,900	6,600	-	4,356
		W	1,090	926	694	463	-	226	1,042	885	663	442	-	216	1,001	891	668	446	-	218
35	1.7	Q(Btu/h)	10,984	10,139	7,604	5,070	-	3,346	11,627	10,732	8,049	5,366	-	3,542	12,048	12,480	9,360	6,240	-	4,118
		W	1,046	889	666	444	-	217	997	846	635	423	-	207	950	873	655	437	-	213
30	-1.1	Q(Btu/h)	10,035	9,263	6,947	4,631	-	3,057	10,699	9,876	7,407	4,938	-	3,259	11,126	11,460	8,595	5,730	-	3,782
		W	997	846	635	423	-	207	946	803	602	402	-	196	895	833	624	416	-	204
25	-3.9	Q(Btu/h)	9,078	8,379	6,284	4,190	-	2,765	9,771	9,019	6,765	4,510	-	2,976	10,208	10,980	8,235	5,490	-	3,623
		W	941	799	599	399	-	195	890	755	567	378	-	185	834	810	608	405	-	198
20	-6.7	Q(Btu/h)	8,116	7,492	5,619	3,746	-	2,472	8,846	8,166	6,124	4,083	-	2,695	9,293	10,200	7,650	5,100	-	3,366
		W	879	746	560	373	-	182	828	703	527	351	-	172	770	761	570	380	-	186
15	-9.4	Q(Btu/h)	7,153	6,603	4,952	3,301	-	2,179	7,926	7,317	5,487	3,658	-	2,414	8,382	9,360	7,020	4,680	-	3,089
		W	811	689	517	344	-	168	760	645	484	323	-	158	702	711	533	356	-	174
10	-12.2	Q(Btu/h)	6,191	5,715	4,286	2,857	-	1,886	7,015	6,475	4,856	3,237	-	2,137	7,475	8,520	6,390	4,260	-	2,812
		W	737	626	470	313	-	153	687	583	437	292	-	143	631	648	486	324	-	158
5	-15.0	Q(Btu/h)	5,234	4,831	3,623	2,416	-	1,594	6,113	5,643	4,232	2,821	-	1,862	6,573	7,500	5,625	3,750	-	2,475
		W	658	559	419	279	-	137	608	516	387	258	-	126	558	576	432	288	-	141
0	-17.8	Q(Btu/h)	4,284	3,954	2,966	1,977	-	1,305	5,225	4,823	3,617	2,412	-	1,592	5,675	6,000	4,500	3,000	-	1,980
		W	572	486	364	243	-	119	524	445	333	222	-	109	483	477	358	239	-	117
-4	-20.0	Q(Btu/h)	3,531	3,259	2,444	1,630	-	1,075	4,526	4,177	3,133	2,089	-	1,379	4,961	6,000	4,500	3,000	-	1,980
		W	499	424	318	212	-	104	452	384	288	192	-	94	423	477	358	239	-	117

* Above data is for heating operation without any frost.

PEAD-A12AA7
SUZ-KA12NA2

1) COOLING

Rated
Q(Btu/h): 12,000
W: 930

Indoor W.B. / Outdoor D.B. (°F)	(°C)		71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
115	46.1	Q(Btu/h)	10,954	10,954	8,216	5,477	-	4,017	10,257	10,257	7,693	5,129	-	3,761	9,361	9,361	7,021	4,680	-	3,432
		W	1,045	1,045	783	522	-	292	1,019	1,019	764	510	-	285	977	977	733	488	-	273
110	43.3	Q(Btu/h)	11,452	11,452	8,589	5,726	-	4,199	10,656	10,656	7,992	5,328	-	3,907	9,759	9,759	7,320	4,880	-	3,578
		W	1,028	1,028	771	514	-	287	1,002	1,002	752	501	-	280	955	955	717	478	-	267
105	40.6	Q(Btu/h)	11,950	11,950	8,963	5,975	-	4,382	11,054	11,054	8,290	5,527	-	4,053	10,257	10,257	7,693	5,129	-	3,761
		W	1,015	1,015	761	507	-	284	977	977	733	488	-	273	934	934	701	467	-	261
100	37.8	Q(Btu/h)	12,349	12,349	9,261	6,174	-	4,528	11,552	11,552	8,664	5,776	-	4,236	10,656	10,656	7,992	5,328	-	3,907
		W	985	985	739	493	-	275	955	955	717	478	-	267	913	913	685	457	-	255
95	35.0	Q(Btu/h)	12,846	12,846	9,635	6,423	-	4,710	12,000	12,000	9,000	6,000	-	4,400	11,154	11,154	8,365	5,577	-	4,090
		W	968	968	726	484	-	271	930	930	698	465	-	260	892	892	669	446	-	249
90	32.2	Q(Btu/h)	13,245	13,245	9,934	6,622	-	4,856	12,448	12,448	9,336	6,224	-	4,564	11,552	11,552	8,664	5,776	-	4,236
		W	934	934	701	467	-	261	892	892	669	446	-	249	858	858	643	429	-	240
85	29.4	Q(Btu/h)	13,743	13,743	10,307	6,871	-	5,039	12,946	12,946	9,710	6,473	-	4,747	12,050	12,050	9,037	6,025	-	4,418
		W	900	900	675	450	-	252	858	858	643	429	-	240	828	828	621	414	-	232
80	26.7	Q(Btu/h)	14,141	14,141	10,606	7,071	-	5,185	13,344	13,344	10,008	6,672	-	4,893	12,548	12,548	9,411	6,274	-	4,601
		W	866	866	650	433	-	242	820	820	615	410	-	229	794	794	596	397	-	222
75	23.9	Q(Btu/h)	14,639	14,639	10,979	7,320	-	5,368	13,743	13,743	10,307	6,871	-	5,039	12,996	12,996	9,747	6,498	-	4,765
		W	828	828	621	414	-	232	781	781	586	391	-	218	764	764	573	382	-	213
70	21.1	Q(Btu/h)	14,988	14,988	11,241	7,494	-	5,495	14,041	14,041	10,531	7,021	-	5,149	13,444	13,444	10,083	6,722	-	4,929
		W	786	786	589	393	-	220	747	747	561	374	-	209	718	718	538	359	-	201
67	19.4	Q(Btu/h)	15,137	15,137	11,353	7,568	-	5,550	14,340	14,340	10,755	7,170	-	5,258	13,743	13,743	10,307	6,871	-	5,039
		W	747	747	561	374	-	209	718	718	538	359	-	201	679	679	510	340	-	190

* It may not reach the above capacities in low ambient temperatures.

2) HEATING

Rated
Q(Btu/h): 15,000
W: 1,160

Indoor D.B. / Outdoor W.B. (°F)	(°C)		77°F / 25.0°C						68°F / 20.0°C						59°F / 15.0°C					
			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
65	18.3	Q(Btu/h)	21,395	18,878	14,158	9,439	-	6,041	22,300	19,676	14,757	9,838	-	6,296	23,059	19,800	14,850	9,900	-	6,336
		W	1,612	1,336	1,002	668	-	288	1,563	1,295	971	647	-	279	1,519	1,212	909	606	-	261
60	15.6	Q(Btu/h)	20,292	17,905	13,429	8,952	-	5,730	21,156	18,667	14,000	9,334	-	5,973	21,835	19,125	14,344	9,563	-	6,120
		W	1,594	1,321	990	660	-	285	1,540	1,276	957	638	-	275	1,500	1,201	900	600	-	259
55	12.8	Q(Btu/h)	19,157	16,903	12,677	8,452	-	5,409	19,992	17,640	13,230	8,820	-	5,645	20,613	18,450	13,838	9,225	-	5,904
		W	1,567	1,298	974	649	-	280	1,510	1,251	939	626	-	270	1,470	1,189	892	595	-	256
50	10.0	Q(Btu/h)	17,993	15,876	11,907	7,938	-	5,080	18,812	16,599	12,449	8,299	-	5,312	19,394	17,700	13,275	8,850	-	5,664
		W	1,533	1,270	952	635	-	274	1,473	1,220	915	610	-	263	1,430	1,177	883	589	-	254
45	7.2	Q(Btu/h)	16,803	14,826	11,120	7,413	-	4,744	17,618	15,545	11,659	7,773	-	4,975	18,178	16,950	12,713	8,475	-	5,424
		W	1,490	1,235	926	617	-	266	1,428	1,183	888	592	-	255	1,380	1,160	870	580	-	250
40	4.4	Q(Btu/h)	15,592	13,758	10,318	6,879	-	4,403	16,414	14,483	10,862	7,242	-	4,635	16,964	16,500	12,375	8,250	-	5,280
		W	1,440	1,193	895	597	-	257	1,376	1,140	855	570	-	246	1,322	1,148	861	574	-	248
35	1.7	Q(Btu/h)	14,364	12,674	9,506	6,337	-	4,056	15,204	13,415	10,062	6,708	-	4,293	15,755	15,600	11,700	7,800	-	4,992
		W	1,382	1,145	859	573	-	247	1,316	1,091	818	545	-	235	1,255	1,125	844	563	-	243
30	-1.1	Q(Btu/h)	13,122	11,578	8,684	5,789	-	3,705	13,991	12,345	9,259	6,172	-	3,950	14,549	14,325	10,744	7,163	-	4,584
		W	1,316	1,091	818	545	-	235	1,249	1,035	776	518	-	223	1,182	1,073	805	537	-	231
25	-3.9	Q(Btu/h)	11,871	10,474	7,856	5,237	-	3,352	12,778	11,274	8,456	5,637	-	3,608	13,348	13,725	10,294	6,863	-	4,392
		W	1,242	1,029	772	515	-	222	1,175	974	730	487	-	210	1,102	1,044	783	522	-	225
20	-6.7	Q(Btu/h)	10,613	9,365	7,023	4,682	-	2,997	11,568	10,207	7,655	5,103	-	3,266	12,152	12,750	9,563	6,375	-	4,080
		W	1,161	962	721	481	-	207	1,093	906	679	453	-	195	1,016	980	735	490	-	211
15	-9.4	Q(Btu/h)	9,354	8,253	6,190	4,127	-	2,641	10,365	9,146	6,859	4,573	-	2,927	10,961	11,700	8,775	5,850	-	3,744
		W	1,071	888	666	444	-	191	1,004	832	624	416	-	179	927	916	687	458	-	198
10	-12.2	Q(Btu/h)	8,096	7,144	5,358	3,572	-	2,286	9,173	8,094	6,070	4,047	-	2,590	9,775	10,650	7,988	5,325	-	3,408
		W	974	807	605	404	-	174	907	752	564	376	-	162	833	835	626	418	-	180
5	-15.0	Q(Btu/h)	6,844	6,039	4,529	3,019	-	1,932	7,994	7,054	5,290	3,527	-	2,257	8,595	9,375	7,031	4,688	-	3,000
		W	869	720	540	360	-	155	803	665	499	333	-	143	737	742	557	371	-	160
0	-17.8	Q(Btu/h)	5,602	4,943	3,707	2,471	-	1,582	6,833	6,029	4,522	3,014	-	1,929	7,421	7,500	5,625	3,750	-	2,400
		W	756	626	470	313	-	135	692	573	430	286	-	123	638	615	461	307	-	133
-4	-20.0	Q(Btu/h)	4,617	4,074	3,055	2,037	-	1,304	5,918	5,222	3,916	2,611	-	1,671	6,487	7,500	5,625	3,750	-	2,400
		W	660	547	410	273	-	118	597	495	371	247	-	107	559	615	461	307	-	133

* Above data is for heating operation without any frost.

PEAD-A15AA7
SUZ-KA15NA2

1) COOLING

Rated
Q(Btu/h): 15,000
W: 1,150

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
115	46.1	Q(Btu/h)	13,693	13,693	10,270	6,846	-	5,021	12,822	12,822	9,616	6,411	-	4,701	11,701	11,701	8,776	5,851	-	4,290
		W	1,292	1,292	969	646	-	359	1,260	1,260	945	630	-	351	1,208	1,208	906	604	-	336
110	43.3	Q(Btu/h)	14,315	14,315	10,737	7,158	-	5,249	13,320	13,320	9,990	6,660	-	4,884	12,199	12,199	9,149	6,100	-	4,473
		W	1,271	1,271	953	635	-	354	1,239	1,239	929	620	-	345	1,182	1,182	886	591	-	329
105	40.6	Q(Btu/h)	14,938	14,938	11,203	7,469	-	5,477	13,817	13,817	10,363	6,909	-	5,066	12,822	12,822	9,616	6,411	-	4,701
		W	1,255	1,255	941	628	-	349	1,208	1,208	906	604	-	336	1,155	1,155	866	578	-	321
100	37.8	Q(Btu/h)	15,436	15,436	11,577	7,718	-	5,660	14,440	14,440	10,830	7,220	-	5,295	13,320	13,320	9,990	6,660	-	4,884
		W	1,218	1,218	914	609	-	339	1,182	1,182	886	591	-	329	1,129	1,129	847	564	-	314
95	35.0	Q(Btu/h)	16,058	16,058	12,044	8,029	-	5,888	15,000	15,000	11,250	7,500	-	5,500	13,942	13,942	10,456	6,971	-	5,112
		W	1,197	1,197	898	599	-	333	1,150	1,150	863	575	-	320	1,103	1,103	827	551	-	307
90	32.2	Q(Btu/h)	16,556	16,556	12,417	8,278	-	6,071	15,560	15,560	11,670	7,780	-	5,705	14,440	14,440	10,830	7,220	-	5,295
		W	1,155	1,155	866	578	-	321	1,103	1,103	827	551	-	307	1,061	1,061	796	530	-	295
85	29.4	Q(Btu/h)	17,178	17,178	12,884	8,589	-	6,299	16,183	16,183	12,137	8,091	-	5,934	15,062	15,062	11,297	7,531	-	5,523
		W	1,113	1,113	835	557	-	310	1,061	1,061	796	530	-	295	1,024	1,024	768	512	-	285
80	26.7	Q(Btu/h)	17,676	17,676	13,257	8,838	-	6,481	16,680	16,680	12,510	8,340	-	6,116	15,685	15,685	11,763	7,842	-	5,751
		W	1,071	1,071	803	536	-	298	1,013	1,013	760	507	-	282	982	982	736	491	-	273
75	23.9	Q(Btu/h)	18,299	18,299	13,724	9,149	-	6,710	17,178	17,178	12,884	8,589	-	6,299	16,245	16,245	12,184	8,122	-	5,956
		W	1,024	1,024	768	512	-	285	966	966	725	483	-	269	944	944	708	472	-	263
70	21.1	Q(Btu/h)	18,734	18,734	14,051	9,367	-	6,869	17,552	17,552	13,164	8,776	-	6,436	16,805	16,805	12,604	8,402	-	6,162
		W	971	971	729	486	-	270	924	924	693	462	-	257	887	887	666	444	-	247
67	19.4	Q(Btu/h)	18,921	18,921	14,191	9,461	-	6,938	17,925	17,925	13,444	8,963	-	6,573	17,178	17,178	12,884	8,589	-	6,299
		W	924	924	693	462	-	257	887	887	666	444	-	247	840	840	630	420	-	234

* It may not reach the above capacities in low ambient temperatures.

2) HEATING

Rated
Q(Btu/h): 18,000
W: 1,350

Indoor D.B.			77°F / 25.0°C						68°F / 20.0°C						59°F / 15.0°C					
Outdoor W.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
65	18.3	Q(Btu/h)	27,058	22,653	16,990	11,327	-	6,167	28,203	23,612	17,709	11,806	-	6,428	29,163	23,760	17,820	11,880	-	6,468
		W	2,016	1,555	1,166	777	-	322	1,953	1,507	1,130	753	-	313	1,899	1,411	1,058	705	-	293
60	15.6	Q(Btu/h)	25,664	21,486	16,114	10,743	-	5,849	26,756	22,401	16,800	11,200	-	6,098	27,615	22,950	17,213	11,475	-	6,248
		W	1,992	1,537	1,153	768	-	319	1,925	1,485	1,114	743	-	308	1,875	1,397	1,048	699	-	290
55	12.8	Q(Btu/h)	24,228	20,284	15,213	10,142	-	5,522	25,284	21,168	15,876	10,584	-	5,763	26,070	22,140	16,605	11,070	-	6,027
		W	1,959	1,511	1,133	756	-	313	1,888	1,456	1,092	728	-	302	1,838	1,384	1,038	692	-	287
50	10.0	Q(Btu/h)	22,755	19,051	14,288	9,525	-	5,186	23,792	19,918	14,939	9,959	-	5,422	24,528	21,240	15,930	10,620	-	5,782
		W	1,916	1,478	1,108	739	-	307	1,841	1,420	1,065	710	-	295	1,788	1,370	1,028	685	-	284
45	7.2	Q(Btu/h)	21,251	17,791	13,344	8,896	-	4,843	22,282	18,654	13,991	9,327	-	5,078	22,989	20,340	15,255	10,170	-	5,537
		W	1,863	1,437	1,078	719	-	298	1,785	1,377	1,033	689	-	286	1,725	1,350	1,013	675	-	280
40	4.4	Q(Btu/h)	19,720	16,509	12,382	8,255	-	4,494	20,759	17,380	13,035	8,690	-	4,731	21,455	19,800	14,850	9,900	-	5,390
		W	1,800	1,389	1,042	694	-	288	1,720	1,327	995	663	-	275	1,652	1,337	1,002	668	-	277
35	1.7	Q(Btu/h)	18,166	15,209	11,407	7,604	-	4,140	19,229	16,099	12,074	8,049	-	4,382	19,925	18,720	14,040	9,360	-	5,096
		W	1,728	1,333	1,000	666	-	276	1,646	1,269	952	635	-	263	1,569	1,310	982	655	-	272
30	-1.1	Q(Btu/h)	16,596	13,894	10,421	6,947	-	3,782	17,694	14,814	11,110	7,407	-	4,033	18,401	17,190	12,893	8,595	-	4,680
		W	1,645	1,269	952	635	-	263	1,562	1,205	904	602	-	250	1,477	1,249	937	624	-	259
25	-3.9	Q(Btu/h)	15,013	12,569	9,427	6,284	-	3,422	16,160	13,529	10,147	6,765	-	3,683	16,882	16,470	12,353	8,235	-	4,484
		W	1,553	1,198	899	599	-	248	1,469	1,133	850	567	-	235	1,377	1,215	911	608	-	252
20	-6.7	Q(Btu/h)	13,423	11,238	8,428	5,619	-	3,059	14,630	12,248	9,186	6,124	-	3,334	15,369	15,300	11,475	7,650	-	4,165
		W	1,451	1,119	840	560	-	232	1,366	1,054	791	527	-	219	1,271	1,141	856	570	-	237
15	-9.4	Q(Btu/h)	11,830	9,904	7,428	4,952	-	2,696	13,109	10,975	8,231	5,487	-	2,988	13,862	14,040	10,530	7,020	-	3,822
		W	1,339	1,033	775	517	-	214	1,255	968	726	484	-	201	1,158	1,067	800	533	-	221
10	-12.2	Q(Btu/h)	10,239	8,572	6,429	4,286	-	2,334	11,601	9,712	7,284	4,856	-	2,644	12,362	12,780	9,585	6,390	-	3,479
		W	1,218	939	704	470	-	195	1,134	875	656	437	-	181	1,041	972	729	486	-	202
5	-15.0	Q(Btu/h)	8,656	7,247	5,435	3,623	-	1,973	10,110	8,464	6,348	4,232	-	2,304	10,870	11,250	8,438	5,625	-	3,063
		W	1,086	838	628	419	-	174	1,004	774	581	387	-	161	921	864	648	432	-	179
0	-17.8	Q(Btu/h)	7,084	5,931	4,448	2,966	-	1,615	8,641	7,235	5,426	3,617	-	1,969	9,386	9,000	6,750	4,500	-	2,450
		W	945	729	547	364	-	151	864	667	500	333	-	138	798	716	537	358	-	148
-4	-20.0	Q(Btu/h)	5,839	4,889	3,666	2,444	-	1,331	7,485	6,266	4,700	3,133	-	1,706	8,204	9,000	6,750	4,500	-	2,450
		W	825	636	477	318	-	132	746	576	432	288	-	119	698	716	537	358	-	148

* Above data is for heating operation without any frost.

PEAD-A18AA7
SUZ-KA18NA2

1) COOLING

Rated
Q(Btu/h): 18,000
W: 1,270

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
115	46.1	Q(Btu/h)	16,432	16,432	12,324	8,216	-	5,660	15,386	15,386	11,539	7,693	-	5,300	14,041	14,041	10,531	7,021	-	4,837
		W	1,427	1,427	1,070	713	-	382	1,392	1,392	1,044	696	-	373	1,334	1,334	1,000	667	-	357
110	43.3	Q(Btu/h)	17,178	17,178	12,884	8,589	-	5,917	15,983	15,983	11,988	7,992	-	5,505	14,639	14,639	10,979	7,320	-	5,042
		W	1,403	1,403	1,053	702	-	376	1,369	1,369	1,026	684	-	366	1,305	1,305	979	652	-	349
105	40.6	Q(Btu/h)	17,925	17,925	13,444	8,963	-	6,174	16,581	16,581	12,436	8,290	-	5,711	15,386	15,386	11,539	7,693	-	5,300
		W	1,386	1,386	1,039	693	-	371	1,334	1,334	1,000	667	-	357	1,276	1,276	957	638	-	342
100	37.8	Q(Btu/h)	18,523	18,523	13,892	9,261	-	6,380	17,328	17,328	12,996	8,664	-	5,968	15,983	15,983	11,988	7,992	-	5,505
		W	1,345	1,345	1,009	673	-	360	1,305	1,305	979	652	-	349	1,247	1,247	935	623	-	334
95	35.0	Q(Btu/h)	19,270	19,270	14,452	9,635	-	6,637	18,000	18,000	13,500	9,000	-	6,200	16,730	16,730	12,548	8,365	-	5,763
		W	1,322	1,322	992	661	-	354	1,270	1,270	953	635	-	340	1,218	1,218	913	609	-	326
90	32.2	Q(Btu/h)	19,867	19,867	14,900	9,934	-	6,843	18,672	18,672	14,004	9,336	-	6,432	17,328	17,328	12,996	8,664	-	5,968
		W	1,276	1,276	957	638	-	342	1,218	1,218	913	609	-	326	1,171	1,171	879	586	-	314
85	29.4	Q(Btu/h)	20,614	20,614	15,461	10,307	-	7,100	19,419	19,419	14,564	9,710	-	6,689	18,075	18,075	13,556	9,037	-	6,226
		W	1,229	1,229	922	615	-	329	1,171	1,171	879	586	-	314	1,131	1,131	848	565	-	303
80	26.7	Q(Btu/h)	21,212	21,212	15,909	10,606	-	7,306	20,017	20,017	15,012	10,008	-	6,895	18,822	18,822	14,116	9,411	-	6,483
		W	1,183	1,183	887	592	-	317	1,119	1,119	839	560	-	300	1,084	1,084	813	542	-	290
75	23.9	Q(Btu/h)	21,959	21,959	16,469	10,979	-	7,563	20,614	20,614	15,461	10,307	-	7,100	19,494	19,494	14,620	9,747	-	6,715
		W	1,131	1,131	848	565	-	303	1,067	1,067	800	534	-	286	1,043	1,043	782	521	-	279
70	21.1	Q(Btu/h)	22,481	22,481	16,861	11,241	-	7,744	21,062	21,062	15,797	10,531	-	7,255	20,166	20,166	15,124	10,083	-	6,946
		W	1,073	1,073	805	536	-	287	1,021	1,021	765	510	-	273	980	980	735	490	-	262
67	19.4	Q(Btu/h)	22,705	22,705	17,029	11,353	-	7,821	21,510	21,510	16,133	10,755	-	7,409	20,614	20,614	15,461	10,307	-	7,100
		W	1,021	1,021	765	510	-	273	980	980	735	490	-	262	928	928	696	464	-	248

* It may not reach the above capacities in low ambient temperatures.

2) HEATING

Rated
Q(Btu/h): 21,600
W: 1,600

Indoor D.B.			77°F / 25.0°C						68°F / 20.0°C						59°F / 15.0°C					
Outdoor W.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
65	18.3	Q(Btu/h)	32,218	27,184	20,388	13,592	-	10,194	33,581	28,334	21,250	14,167	-	10,625	34,724	28,512	21,384	14,256	-	10,692
		W	2,465	1,843	1,382	921	-	495	2,389	1,786	1,339	893	-	480	2,322	1,672	1,254	836	-	449
60	15.6	Q(Btu/h)	30,558	25,783	19,337	12,891	-	9,669	31,859	26,881	20,161	13,440	-	10,080	32,881	27,540	20,655	13,770	-	10,328
		W	2,436	1,821	1,366	911	-	489	2,354	1,760	1,320	880	-	473	2,293	1,656	1,242	828	-	445
55	12.8	Q(Btu/h)	28,848	24,340	18,255	12,170	-	9,128	30,106	25,402	19,052	12,701	-	9,526	31,041	26,568	19,926	13,284	-	9,963
		W	2,395	1,791	1,343	895	-	481	2,309	1,726	1,295	863	-	464	2,248	1,640	1,230	820	-	441
50	10.0	Q(Btu/h)	27,095	22,861	17,146	11,431	-	8,573	28,329	23,902	17,927	11,951	-	8,963	29,205	25,488	19,116	12,744	-	9,558
		W	2,343	1,752	1,314	876	-	471	2,252	1,683	1,263	842	-	452	2,186	1,624	1,218	812	-	436
45	7.2	Q(Btu/h)	25,303	21,350	16,012	10,675	-	8,006	26,531	22,385	16,789	11,193	-	8,395	27,373	24,408	18,306	12,204	-	9,153
		W	2,278	1,703	1,277	852	-	458	2,183	1,632	1,224	816	-	439	2,110	1,600	1,200	800	-	430
40	4.4	Q(Btu/h)	23,480	19,811	14,859	9,906	-	7,429	24,718	20,856	15,642	10,428	-	7,821	25,546	23,760	17,820	11,880	-	8,910
		W	2,201	1,646	1,234	823	-	442	2,103	1,573	1,179	786	-	423	2,020	1,584	1,188	792	-	426
35	1.7	Q(Btu/h)	21,631	18,251	13,688	9,125	-	6,844	22,896	19,318	14,489	9,659	-	7,244	23,725	22,464	16,848	11,232	-	8,424
		W	2,113	1,580	1,185	790	-	425	2,012	1,505	1,128	752	-	404	1,919	1,552	1,164	776	-	417
30	-1.1	Q(Btu/h)	19,761	16,673	12,505	8,336	-	6,252	21,068	17,776	13,332	8,888	-	6,666	21,910	20,628	15,471	10,314	-	7,736
		W	2,012	1,504	1,128	752	-	404	1,910	1,428	1,071	714	-	384	1,806	1,480	1,110	740	-	398
25	-3.9	Q(Btu/h)	17,876	15,083	11,312	7,541	-	5,656	19,241	16,235	12,176	8,117	-	6,088	20,101	19,764	14,823	9,882	-	7,412
		W	1,899	1,420	1,065	710	-	382	1,796	1,343	1,007	671	-	361	1,684	1,440	1,080	720	-	387
20	-6.7	Q(Btu/h)	15,982	13,485	10,114	6,743	-	5,057	17,420	14,698	11,024	7,349	-	5,512	18,299	18,360	13,770	9,180	-	6,885
		W	1,774	1,327	995	663	-	357	1,671	1,249	937	625	-	336	1,554	1,352	1,014	676	-	363
15	-9.4	Q(Btu/h)	14,086	11,885	8,914	5,942	-	4,457	15,609	13,170	9,877	6,585	-	4,939	16,505	16,848	12,636	8,424	-	6,318
		W	1,638	1,224	918	612	-	329	1,534	1,147	860	574	-	308	1,417	1,264	948	632	-	340
10	-12.2	Q(Btu/h)	12,192	10,287	7,715	5,143	-	3,858	13,813	11,655	8,741	5,827	-	4,371	14,720	15,336	11,502	7,668	-	5,751
		W	1,489	1,113	835	557	-	299	1,387	1,037	778	518	-	279	1,274	1,152	864	576	-	310
5	-15.0	Q(Btu/h)	10,306	8,696	6,522	4,348	-	3,261	12,038	10,157	7,618	5,079	-	3,809	12,943	13,500	10,125	6,750	-	5,063
		W	1,328	993	745	496	-	267	1,228	918	688	459	-	247	1,126	1,024	768	512	-	275
0	-17.8	Q(Btu/h)	8,435	7,117	5,338	3,559	-	2,669	10,289	8,681	6,511	4,341	-	3,256	11,175	10,800	8,100	5,400	-	4,050
		W	1,155	864	648	432	-	232	1,057	790	593	395	-	212	976	848	636	424	-	228
-4	-20.0	Q(Btu/h)	6,953	5,866	4,400	2,933	-	2,200	8,912	7,519	5,639	3,760	-	2,820	9,769	10,800	8,100	5,400	-	4,050
		W	1,008	754	565	377	-	203	913	682	512	341	-	183	854	848	636	424	-	228

* Above data is for heating operation without any frost.

PEAD-A24AA7
SUZ-KA24NA2
1) COOLING

Rated
Q(Btu/h): 24,000
W: 1,920

Indoor W.B. / Outdoor D.B. (°F)	(°C)		71°F / 21.7°C Max	Rated	75%	50%	25%	Min	67°F / 19.4°C Max	Rated	75%	50%	25%	Min	63°F / 17.2°C Max	Rated	75%	50%	25%	Min
115	46.1	Q(Btu/h)	22,037	22,037	16,528	11,019	-	11,019	20,837	20,837	15,628	10,419	-	10,419	19,637	19,637	14,728	9,819	-	9,819
		W	2,267	2,267	1,700	1,133	-	885	2,190	2,190	1,642	1,095	-	855	2,113	2,113	1,585	1,056	-	825
110	43.3	Q(Btu/h)	23,020	23,020	17,265	11,510	-	11,510	21,820	21,820	16,365	10,910	-	10,910	20,620	20,620	15,465	10,310	-	10,310
		W	2,216	2,216	1,662	1,108	-	866	2,139	2,139	1,604	1,070	-	836	2,062	2,062	1,547	1,031	-	806
105	40.6	Q(Btu/h)	23,959	23,959	17,969	11,980	-	11,980	22,759	22,759	17,069	11,380	-	11,380	21,559	21,559	16,169	10,780	-	10,780
		W	2,160	2,160	1,620	1,080	-	844	2,083	2,083	1,562	1,042	-	814	2,006	2,006	1,505	1,003	-	784
100	37.8	Q(Btu/h)	24,865	24,865	18,649	12,433	-	12,433	23,665	23,665	17,749	11,833	-	11,833	22,465	22,465	16,849	11,233	-	11,233
		W	2,100	2,100	1,575	1,050	-	820	2,023	2,023	1,518	1,012	-	790	1,947	1,947	1,460	973	-	760
95	35.0	Q(Btu/h)	25,747	25,747	19,310	12,874	-	12,874	24,547	24,547	18,410	12,274	-	12,274	23,347	23,347	17,510	11,674	-	11,674
		W	2,037	2,037	1,528	1,019	-	796	1,961	1,961	1,470	980	-	766	1,884	1,884	1,413	942	-	736
90	32.2	Q(Btu/h)	26,615	26,615	19,961	13,307	-	13,307	25,415	25,415	19,061	12,707	-	12,707	24,215	24,215	18,161	12,107	-	12,107
		W	1,973	1,973	1,479	986	-	771	1,896	1,896	1,422	948	-	741	1,819	1,819	1,364	910	-	711
85	29.4	Q(Btu/h)	27,478	27,478	20,609	13,739	-	13,739	26,278	26,278	19,709	13,139	-	13,139	25,078	25,078	18,809	12,539	-	12,539
		W	1,907	1,907	1,430	953	-	745	1,830	1,830	1,373	915	-	715	1,753	1,753	1,315	877	-	685
80	26.7	Q(Btu/h)	28,346	28,346	21,259	14,173	-	14,173	27,146	27,146	20,359	13,573	-	13,573	25,946	25,946	19,459	12,973	-	12,973
		W	1,842	1,842	1,381	921	-	719	1,765	1,765	1,324	882	-	689	1,688	1,688	1,266	844	-	659
75	23.9	Q(Btu/h)	29,228	29,228	21,921	14,614	-	14,614	28,028	28,028	21,021	14,014	-	14,014	26,828	26,828	20,121	13,414	-	13,414
		W	1,777	1,777	1,333	889	-	694	1,701	1,701	1,275	850	-	664	1,624	1,624	1,218	812	-	634
70	21.1	Q(Btu/h)	30,135	30,135	22,601	15,067	-	15,067	28,935	28,935	21,701	14,467	-	14,467	27,735	27,735	20,801	13,867	-	13,867
		W	1,716	1,716	1,287	858	-	670	1,639	1,639	1,229	819	-	640	1,562	1,562	1,171	781	-	610
67	19.4	Q(Btu/h)	30,694	30,694	23,020	15,347	-	15,347	29,494	29,494	22,120	14,747	-	14,747	28,294	28,294	21,220	14,147	-	14,147
		W	1,680	1,680	1,260	840	-	656	1,603	1,603	1,202	802	-	626	1,526	1,526	1,145	763	-	596

* It may not reach the above capacities in low ambient temperatures.

Rated
Q(Btu/h): 25,000
W: 1,990

2) HEATING

Indoor D.B. / Outdoor W.B. (°F)	(°C)		77°F / 25.0°C Max	Rated	75%	50%	25%	Min	68°F / 20.0°C Max	Rated	75%	50%	25%	Min	59°F / 15.0°C Max	Rated	75%	50%	25%	Min
65	18.3	Q(Btu/h)	35,238	31,463	23,597	-	-	18,123	36,729	32,794	24,595	-	-	18,889	37,979	33,000	24,750	-	-	19,008
		W	2,925	2,292	1,719	-	-	1,083	2,835	2,221	1,666	-	-	1,049	2,756	2,080	1,560	-	-	982
60	15.6	Q(Btu/h)	33,422	29,841	22,381	-	-	17,189	34,845	31,112	23,334	-	-	17,920	35,964	31,875	23,906	-	-	18,360
		W	2,891	2,265	1,699	-	-	1,070	2,794	2,189	1,642	-	-	1,034	2,722	2,060	1,545	-	-	973
55	12.8	Q(Btu/h)	31,552	28,172	21,129	-	-	16,227	32,929	29,401	22,050	-	-	16,935	33,951	30,750	23,063	-	-	17,712
		W	2,843	2,228	1,671	-	-	1,052	2,740	2,147	1,610	-	-	1,014	2,668	2,040	1,530	-	-	964
50	10.0	Q(Btu/h)	29,635	26,460	19,845	-	-	15,241	30,984	27,665	20,748	-	-	15,935	31,943	29,500	22,125	-	-	16,992
		W	2,781	2,179	1,634	-	-	1,029	2,672	2,094	1,570	-	-	989	2,595	2,020	1,515	-	-	954
45	7.2	Q(Btu/h)	27,676	24,710	18,533	-	-	14,233	29,018	25,909	19,432	-	-	14,924	29,940	28,250	21,188	-	-	16,272
		W	2,704	2,118	1,589	-	-	1,001	2,591	2,030	1,523	-	-	959	2,504	1,990	1,493	-	-	940
40	4.4	Q(Btu/h)	25,681	22,930	17,197	-	-	13,208	27,036	24,139	18,104	-	-	13,904	27,941	27,500	20,625	-	-	15,840
		W	2,613	2,047	1,535	-	-	967	2,497	1,956	1,467	-	-	924	2,398	1,970	1,478	-	-	931
35	1.7	Q(Btu/h)	23,658	21,124	15,843	-	-	12,167	25,042	22,359	16,769	-	-	12,879	25,949	26,000	19,500	-	-	14,976
		W	2,508	1,965	1,473	-	-	928	2,388	1,871	1,403	-	-	884	2,277	1,930	1,448	-	-	912
30	-1.1	Q(Btu/h)	21,613	19,297	14,473	-	-	11,115	23,044	20,575	15,431	-	-	11,851	23,964	23,875	17,906	-	-	13,752
		W	2,388	1,871	1,403	-	-	884	2,267	1,776	1,332	-	-	839	2,144	1,841	1,381	-	-	870
25	-3.9	Q(Btu/h)	19,552	17,457	13,093	-	-	10,055	21,045	18,790	14,093	-	-	10,823	21,986	22,875	17,156	-	-	13,176
		W	2,254	1,766	1,325	-	-	834	2,132	1,670	1,253	-	-	789	1,999	1,791	1,343	-	-	846
20	-6.7	Q(Btu/h)	17,481	15,608	11,706	-	-	8,990	19,053	17,012	12,759	-	-	9,799	20,015	21,250	15,938	-	-	12,240
		W	2,106	1,650	1,238	-	-	779	1,983	1,554	1,165	-	-	734	1,844	1,682	1,261	-	-	794
15	-9.4	Q(Btu/h)	15,406	13,756	10,317	-	-	7,923	17,072	15,243	11,432	-	-	8,780	18,053	19,500	14,625	-	-	11,232
		W	1,944	1,523	1,142	-	-	719	1,821	1,427	1,070	-	-	674	1,681	1,572	1,179	-	-	743

* Above data is for heating operation without any frost.

PEAD-A30AA7
SUZ-KA30NA2

1) COOLING

Rated
Q(Btu/h): 27,000
W: 2,160

Indoor W.B. / Outdoor D.B. (°F)	(°C)		71°F / 21.7°C Max	Rated	75%	50%	25%	Min	67°F / 19.4°C Max	Rated	75%	50%	25%	Min	63°F / 17.2°C Max	Rated	75%	50%	25%	Min
115	46.1	Q(Btu/h)	24,792	24,792	18,594	12,396	-	12,120	23,442	23,442	17,581	11,721	-	11,460	22,092	22,092	16,569	11,046	-	10,800
		W	2,550	2,550	1,912	1,275	-	968	2,463	2,463	1,848	1,232	-	935	2,377	2,377	1,783	1,189	-	902
110	43.3	Q(Btu/h)	25,897	25,897	19,423	12,949	-	12,661	24,547	24,547	18,410	12,274	-	12,001	23,197	23,197	17,398	11,599	-	11,341
		W	2,493	2,493	1,870	1,246	-	946	2,406	2,406	1,805	1,203	-	914	2,320	2,320	1,740	1,160	-	881
105	40.6	Q(Btu/h)	26,954	26,954	20,215	13,477	-	13,178	25,604	25,604	19,203	12,802	-	12,518	24,254	24,254	18,190	12,127	-	11,858
		W	2,430	2,430	1,823	1,215	-	923	2,344	2,344	1,758	1,172	-	890	2,257	2,257	1,693	1,129	-	857
100	37.8	Q(Btu/h)	27,973	27,973	20,980	13,987	-	13,676	26,623	26,623	19,967	13,312	-	13,016	25,273	25,273	18,955	12,637	-	12,356
		W	2,363	2,363	1,772	1,181	-	897	2,276	2,276	1,707	1,138	-	864	2,190	2,190	1,642	1,095	-	831
95	35.0	Q(Btu/h)	28,966	28,966	21,724	14,483	-	14,161	27,616	27,616	20,712	13,808	-	13,501	26,266	26,266	19,699	13,133	-	12,841
		W	2,292	2,292	1,719	1,146	-	870	2,206	2,206	1,654	1,103	-	837	2,119	2,119	1,589	1,060	-	805
90	32.2	Q(Btu/h)	29,942	29,942	22,456	14,971	-	14,638	28,592	28,592	21,444	14,296	-	13,978	27,242	27,242	20,431	13,621	-	13,318
		W	2,219	2,219	1,664	1,110	-	842	2,133	2,133	1,600	1,066	-	810	2,046	2,046	1,535	1,023	-	777
85	29.4	Q(Btu/h)	30,913	30,913	23,185	15,456	-	15,113	29,563	29,563	22,172	14,781	-	14,453	28,213	28,213	21,160	14,106	-	13,793
		W	2,145	2,145	1,609	1,073	-	814	2,059	2,059	1,544	1,029	-	782	1,973	1,973	1,479	986	-	749
80	26.7	Q(Btu/h)	31,889	31,889	23,917	15,945	-	15,590	30,539	30,539	22,904	15,270	-	14,930	29,189	29,189	21,892	14,595	-	14,270
		W	2,072	2,072	1,554	1,036	-	786	1,985	1,985	1,489	993	-	754	1,899	1,899	1,424	949	-	721
75	23.9	Q(Btu/h)	32,882	32,882	24,661	16,441	-	16,076	31,532	31,532	23,649	15,766	-	15,416	30,182	30,182	22,636	15,091	-	14,756
		W	2,000	2,000	1,500	1,000	-	759	1,913	1,913	1,435	957	-	726	1,827	1,827	1,370	913	-	693
70	21.1	Q(Btu/h)	33,901	33,901	25,426	16,951	-	16,574	32,551	32,551	24,414	16,276	-	15,914	31,201	31,201	23,401	15,601	-	15,254
		W	1,930	1,930	1,447	965	-	733	1,844	1,844	1,383	922	-	700	1,757	1,757	1,318	879	-	667
67	19.4	Q(Btu/h)	34,531	34,531	25,898	17,265	-	16,882	33,181	33,181	24,885	16,590	-	16,222	31,831	31,831	23,873	15,915	-	15,562
		W	1,890	1,890	1,417	945	-	717	1,804	1,804	1,353	902	-	685	1,717	1,717	1,288	859	-	652

* It may not reach the above capacities in low ambient temperatures.

2) HEATING

Rated
Q(Btu/h): 33,400
W: 2,410

Indoor D.B. / Outdoor W.B. (°F)	(°C)		77°F / 25.0°C Max	Rated	75%	50%	25%	Min	68°F / 20.0°C Max	Rated	75%	50%	25%	Min	59°F / 15.0°C Max	Rated	75%	50%	25%	Min
65	18.3	Q(Btu/h)	41,531	37,755	28,316	-	-	19,960	43,288	39,353	29,515	-	-	20,804	44,762	39,600	29,700	-	-	20,935
		W	3,167	2,776	2,082	-	-	1,175	3,070	2,690	2,018	-	-	1,139	2,984	2,518	1,889	-	-	1,066
60	15.6	Q(Btu/h)	39,391	35,810	26,857	-	-	18,931	41,068	37,334	28,001	-	-	19,737	42,386	38,250	28,688	-	-	20,222
		W	3,131	2,743	2,058	-	-	1,161	3,025	2,651	1,989	-	-	1,122	2,947	2,494	1,871	-	-	1,056
55	12.8	Q(Btu/h)	37,187	33,806	25,355	-	-	17,872	38,809	35,281	26,460	-	-	18,652	40,014	36,900	27,675	-	-	19,508
		W	3,078	2,698	2,023	-	-	1,142	2,967	2,600	1,950	-	-	1,100	2,888	2,470	1,853	-	-	1,046
50	10.0	Q(Btu/h)	34,927	31,751	23,814	-	-	16,786	36,517	33,197	24,898	-	-	17,550	37,647	35,400	26,550	-	-	18,715
		W	3,011	2,638	1,979	-	-	1,117	2,893	2,536	1,902	-	-	1,073	2,809	2,446	1,835	-	-	1,035
45	7.2	Q(Btu/h)	32,618	29,652	22,239	-	-	15,676	34,200	31,091	23,318	-	-	16,437	35,286	33,900	25,425	-	-	17,922
		W	2,927	2,566	1,924	-	-	1,086	2,805	2,459	1,844	-	-	1,041	2,711	2,410	1,808	-	-	1,020
40	4.4	Q(Btu/h)	30,267	27,516	20,637	-	-	14,547	31,863	28,967	21,725	-	-	15,314	32,931	33,000	24,750	-	-	17,446
		W	2,829	2,479	1,859	-	-	1,049	2,703	2,369	1,777	-	-	1,003	2,596	2,386	1,789	-	-	1,010
35	1.7	Q(Btu/h)	27,883	25,348	19,011	-	-	13,401	29,514	26,831	20,123	-	-	14,185	30,583	31,200	23,400	-	-	16,494
		W	2,715	2,379	1,784	-	-	1,007	2,586	2,266	1,700	-	-	959	2,465	2,338	1,753	-	-	989
30	-1.1	Q(Btu/h)	25,473	23,157	17,368	-	-	12,242	27,159	24,690	18,517	-	-	13,053	28,243	28,650	21,488	-	-	15,146
		W	2,585	2,266	1,699	-	-	959	2,454	2,151	1,613	-	-	910	2,321	2,229	1,672	-	-	944
25	-3.9	Q(Btu/h)	23,043	20,948	15,711	-	-	11,075	24,803	22,549	16,911	-	-	11,921	25,911	27,450	20,588	-	-	14,512
		W	2,441	2,139	1,604	-	-	905	2,308	2,023	1,517	-	-	856	2,164	2,169	1,627	-	-	918
20	-6.7	Q(Btu/h)	20,602	18,729	14,047	-	-	9,902	22,455	20,414	15,310	-	-	10,792	23,589	25,500	19,125	-	-	13,481
		W	2,280	1,998	1,499	-	-	846	2,147	1,882	1,411	-	-	796	1,997	2,036	1,527	-	-	862
15	-9.4	Q(Btu/h)	18,157	16,507	12,380	-	-	8,727	20,121	18,292	13,719	-	-	9,670	21,277	23,400	17,550	-	-	12,371
		W	2,104	1,844	1,383	-	-	781	1,972	1,728	1,296	-	-	731	1,820	1,904	1,428	-	-	806

* Above data is for heating operation without any frost.

PEAD-A36AA7
SUZ-KA36NA2
1) COOLING

Rated
Q(Btu/h): 33,000
W: 3,510

Indoor W.B. / Outdoor D.B. (°F)	(°C)		71°F / 21.7°C Max	Rated	75%	50%	25%	Min	67°F / 19.4°C Max	Rated	75%	50%	25%	Min	63°F / 17.2°C Max	Rated	75%	50%	25%	Min
115	46.1	Q(Btu/h)	30,301	30,301	22,726	15,151	-	12,855	28,651	28,651	21,488	14,326	-	12,155	27,001	27,001	20,251	13,501	-	11,455
		W	4,144	4,144	3,108	2,072	-	1,039	4,003	4,003	3,002	2,002	-	1,004	3,863	3,863	2,897	1,931	-	968
110	43.3	Q(Btu/h)	31,652	31,652	23,739	15,826	-	13,428	30,002	30,002	22,502	15,001	-	12,728	28,352	28,352	21,264	14,176	-	12,028
		W	4,051	4,051	3,038	2,025	-	1,016	3,910	3,910	2,933	1,955	-	980	3,770	3,770	2,828	1,885	-	945
105	40.6	Q(Btu/h)	32,944	32,944	24,708	16,472	-	13,976	31,294	31,294	23,470	15,647	-	13,276	29,644	29,644	22,233	14,822	-	12,576
		W	3,949	3,949	2,962	1,974	-	990	3,808	3,808	2,856	1,904	-	955	3,668	3,668	2,751	1,834	-	920
100	37.8	Q(Btu/h)	34,189	34,189	25,642	17,095	-	14,505	32,539	32,539	24,405	16,270	-	13,805	30,889	30,889	23,167	15,445	-	13,105
		W	3,839	3,839	2,880	1,920	-	963	3,699	3,699	2,774	1,850	-	927	3,559	3,559	2,669	1,779	-	892
95	35.0	Q(Btu/h)	35,402	35,402	26,552	17,701	-	15,019	33,752	33,752	25,314	16,876	-	14,319	32,102	32,102	24,077	16,051	-	13,619
		W	3,725	3,725	2,793	1,862	-	934	3,584	3,584	2,688	1,792	-	899	3,444	3,444	2,583	1,722	-	863
90	32.2	Q(Btu/h)	36,596	36,596	27,447	18,298	-	15,525	34,946	34,946	26,209	17,473	-	14,825	33,296	33,296	24,972	16,648	-	14,125
		W	3,606	3,606	2,705	1,803	-	904	3,466	3,466	2,599	1,733	-	869	3,325	3,325	2,494	1,663	-	834
85	29.4	Q(Btu/h)	37,782	37,782	28,337	18,891	-	16,029	36,132	36,132	27,099	18,066	-	15,329	34,482	34,482	25,862	17,241	-	14,629
		W	3,486	3,486	2,615	1,743	-	874	3,346	3,346	2,509	1,673	-	839	3,205	3,205	2,404	1,603	-	804
80	26.7	Q(Btu/h)	38,976	38,976	29,232	19,488	-	16,535	37,326	37,326	27,994	18,663	-	15,835	35,676	35,676	26,757	17,838	-	15,135
		W	3,367	3,367	2,525	1,683	-	844	3,226	3,226	2,420	1,613	-	809	3,086	3,086	2,314	1,543	-	774
75	23.9	Q(Btu/h)	40,189	40,189	30,142	20,094	-	17,050	38,539	38,539	28,904	19,269	-	16,350	36,889	36,889	27,667	18,444	-	15,650
		W	3,249	3,249	2,437	1,625	-	815	3,109	3,109	2,332	1,554	-	779	2,968	2,968	2,226	1,484	-	744
70	21.1	Q(Btu/h)	41,435	41,435	31,076	20,718	-	17,578	39,785	39,785	29,839	19,893	-	16,878	38,135	38,135	28,601	19,068	-	16,178
		W	3,136	3,136	2,352	1,568	-	786	2,996	2,996	2,247	1,498	-	751	2,855	2,855	2,142	1,428	-	716
67	19.4	Q(Btu/h)	42,204	42,204	31,653	21,102	-	17,905	40,554	40,554	30,415	20,277	-	17,205	38,904	38,904	29,178	19,452	-	16,505
		W	3,071	3,071	2,303	1,536	-	770	2,931	2,931	2,198	1,465	-	735	2,790	2,790	2,093	1,395	-	700

* It may not reach the above capacities in low ambient temperatures.

Rated
Q(Btu/h): 33,400
W: 3,170

2) HEATING

Indoor D.B. / Outdoor W.B. (°F)	(°C)		77°F / 25.0°C Max	Rated	75%	50%	25%	Min	68°F / 20.0°C Max	Rated	75%	50%	25%	Min	59°F / 15.0°C Max	Rated	75%	50%	25%	Min
65	18.3	Q(Btu/h)	45,306	42,034	31,526	21,017	-	18,563	47,223	43,813	32,859	21,906	-	19,348	48,831	44,088	33,066	22,044	-	19,470
		W	3,686	3,651	2,738	1,826	-	1,037	3,572	3,539	2,654	1,769	-	1,005	3,472	3,313	2,484	1,656	-	941
60	15.6	Q(Btu/h)	42,972	39,868	29,901	19,934	-	17,606	44,801	41,566	31,174	20,783	-	18,356	46,239	42,585	31,939	21,293	-	18,806
		W	3,643	3,609	2,706	1,804	-	1,025	3,521	3,488	2,616	1,744	-	990	3,429	3,281	2,461	1,640	-	932
55	12.8	Q(Btu/h)	40,567	37,638	28,228	18,819	-	16,621	42,337	39,279	29,459	19,640	-	17,346	43,652	41,082	30,812	20,541	-	18,143
		W	3,582	3,548	2,661	1,774	-	1,007	3,452	3,420	2,565	1,710	-	971	3,361	3,249	2,437	1,625	-	923
50	10.0	Q(Btu/h)	38,102	35,350	26,513	17,675	-	15,611	39,837	36,960	27,720	18,480	-	16,322	41,070	39,412	29,559	19,706	-	17,405
		W	3,503	3,470	2,603	1,735	-	985	3,367	3,335	2,501	1,668	-	947	3,269	3,218	2,413	1,609	-	914
45	7.2	Q(Btu/h)	35,583	33,013	24,760	16,507	-	14,579	37,309	34,614	25,961	17,307	-	15,286	38,494	37,742	28,307	18,871	-	16,668
		W	3,407	3,375	2,531	1,687	-	958	3,265	3,234	2,425	1,617	-	918	3,155	3,170	2,378	1,585	-	900
40	4.4	Q(Btu/h)	33,019	30,634	22,976	15,317	-	13,529	34,760	32,250	24,187	16,125	-	14,242	35,925	36,740	27,555	18,370	-	16,225
		W	3,292	3,261	2,446	1,630	-	926	3,145	3,116	2,337	1,558	-	885	3,021	3,138	2,354	1,569	-	891
35	1.7	Q(Btu/h)	30,418	28,221	21,166	14,111	-	12,463	32,197	29,872	22,404	14,936	-	13,192	33,363	34,736	26,052	17,368	-	15,340
		W	3,159	3,130	2,347	1,565	-	889	3,009	2,981	2,236	1,490	-	846	2,869	3,075	2,306	1,537	-	873
30	-1.1	Q(Btu/h)	27,788	25,781	19,336	12,891	-	11,385	29,627	27,488	20,616	13,744	-	12,139	30,811	31,897	23,923	15,949	-	14,086
		W	3,009	2,980	2,235	1,490	-	846	2,856	2,829	2,122	1,415	-	803	2,701	2,932	2,199	1,466	-	833
25	-3.9	Q(Btu/h)	25,138	23,322	17,492	11,661	-	10,300	27,058	25,104	18,828	12,552	-	11,086	28,267	30,561	22,921	15,281	-	13,496
		W	2,840	2,813	2,110	1,407	-	799	2,686	2,661	1,995	1,330	-	755	2,518	2,853	2,140	1,427	-	810
20	-6.7	Q(Btu/h)	22,475	20,852	15,639	10,426	-	9,209	24,497	22,727	17,046	11,364	-	10,037	25,734	28,390	21,293	14,195	-	12,538
		W	2,653	2,628	1,971	1,314	-	746	2,499	2,475	1,856	1,238	-	703	2,323	2,679	2,009	1,339	-	761
15	-9.4	Q(Btu/h)	19,808	18,377	13,783	9,189	-	8,116	21,950	20,365	15,273	10,182	-	8,993	23,211	26,052	19,539	13,026	-	11,505
		W	2,449	2,426	1,819	1,213	-	689	2,295	2,273	1,705	1,137	-	645	2,118	2,504	1,878	1,252	-	711

* Above data is for heating operation without any frost.

A.6.9.2 H2i SUZ series
PEAD-A09AA7
SUZ-KA09NAHZ

1) COOLING

Rated
Q(Btu/h): 9,000
W: 650

Indoor W.B. / Outdoor D.B. (°F)	(°C)		71°F / 21.7°C Max	Rated	75%	50%	25%	Min	67°F / 19.4°C Max	Rated	75%	50%	25%	Min	63°F / 17.2°C Max	Rated	75%	50%	25%	Min
115	46.1	Q(Btu/h)	8,216	8,216	6,162	-	-	4,564	7,693	7,693	5,770	-	-	4,274	7,021	7,021	5,266	-	-	3,900
		W	730	730	548	-	-	371	712	712	534	-	-	362	683	683	512	-	-	347
110	43.3	Q(Btu/h)	8,589	8,589	6,442	-	-	4,772	7,992	7,992	5,994	-	-	4,440	7,320	7,320	5,490	-	-	4,066
		W	718	718	539	-	-	365	700	700	525	-	-	356	668	668	501	-	-	339
105	40.6	Q(Btu/h)	8,963	8,963	6,722	-	-	4,979	8,290	8,290	6,218	-	-	4,606	7,693	7,693	5,770	-	-	4,274
		W	709	709	532	-	-	360	683	683	512	-	-	347	653	653	490	-	-	332
100	37.8	Q(Btu/h)	9,261	9,261	6,946	-	-	5,145	8,664	8,664	6,498	-	-	4,813	7,992	7,992	5,994	-	-	4,440
		W	689	689	516	-	-	350	668	668	501	-	-	339	638	638	479	-	-	324
95	35.0	Q(Btu/h)	9,635	9,635	7,226	-	-	5,353	9,000	9,000	6,750	-	-	5,000	8,365	8,365	6,274	-	-	4,647
		W	677	677	508	-	-	344	650	650	488	-	-	330	623	623	467	-	-	316
90	32.2	Q(Btu/h)	9,934	9,934	7,450	-	-	5,519	9,336	9,336	7,002	-	-	5,187	8,664	8,664	6,498	-	-	4,813
		W	653	653	490	-	-	332	623	623	467	-	-	316	600	600	450	-	-	304
85	29.4	Q(Btu/h)	10,307	10,307	7,730	-	-	5,726	9,710	9,710	7,282	-	-	5,394	9,037	9,037	6,778	-	-	5,021
		W	629	629	472	-	-	319	600	600	450	-	-	304	579	579	434	-	-	294
80	26.7	Q(Btu/h)	10,606	10,606	7,954	-	-	5,892	10,008	10,008	7,506	-	-	5,560	9,411	9,411	7,058	-	-	5,228
		W	605	605	454	-	-	307	573	573	430	-	-	291	555	555	416	-	-	282
75	23.9	Q(Btu/h)	10,979	10,979	8,234	-	-	6,100	10,307	10,307	7,730	-	-	5,726	9,747	9,747	7,310	-	-	5,415
		W	579	579	434	-	-	294	546	546	410	-	-	277	534	534	400	-	-	271
70	21.1	Q(Btu/h)	11,241	11,241	8,430	-	-	6,245	10,531	10,531	7,898	-	-	5,851	10,083	10,083	7,562	-	-	5,602
		W	549	549	412	-	-	279	522	522	392	-	-	265	502	502	376	-	-	255
67	19.4	Q(Btu/h)	11,353	11,353	8,515	-	-	6,307	10,755	10,755	8,066	-	-	5,975	10,307	10,307	7,730	-	-	5,726
		W	522	522	392	-	-	265	502	502	376	-	-	255	475	475	356	-	-	241

* It may not reach the above capacities in low ambient temperatures.

2) HEATING

Rated
Q(Btu/h): 12,000
W: 910

Indoor D.B. / Outdoor W.B. (°F)	(°C)		77°F / 25.0°C Max	Rated	75%	50%	25%	Min	68°F / 20.0°C Max	Rated	75%	50%	25%	Min	59°F / 15.0°C Max	Rated	75%	50%	25%	Min
65	18.3	Q(Btu/h)	16,940	14,520	10,890	-	-	9,922	17,500	15,000	11,250	-	-	10,250	18,060	15,480	11,610	-	-	10,578
		W	1,272	1,033	775	-	-	579	1,245	1,011	759	-	-	567	1,218	990	742	-	-	555
60	15.6	Q(Btu/h)	16,240	13,920	10,440	-	-	9,512	16,800	14,400	10,800	-	-	9,840	17,360	14,880	11,160	-	-	10,168
		W	1,249	1,015	761	-	-	569	1,222	993	745	-	-	557	1,195	971	728	-	-	544
55	12.8	Q(Btu/h)	15,540	13,320	9,990	-	-	9,102	16,100	13,800	10,350	-	-	9,430	16,660	14,280	10,710	-	-	9,758
		W	1,223	994	745	-	-	557	1,196	972	729	-	-	545	1,170	950	713	-	-	533
50	10.0	Q(Btu/h)	14,840	12,720	9,540	-	-	8,692	15,330	13,140	9,855	-	-	8,979	15,890	13,620	10,215	-	-	9,307
		W	1,194	970	728	-	-	544	1,167	948	711	-	-	531	1,140	926	695	-	-	519
45	7.2	Q(Btu/h)	14,350	12,300	9,225	-	-	8,405	14,840	12,720	9,540	-	-	8,692	15,400	13,200	9,900	-	-	9,020
		W	1,175	954	716	-	-	535	1,148	933	699	-	-	523	1,121	911	683	-	-	510
40	4.4	Q(Btu/h)	13,580	11,640	8,730	-	-	7,954	14,070	12,060	9,045	-	-	8,241	14,630	12,540	9,405	-	-	8,569
		W	1,140	926	695	-	-	519	1,113	904	678	-	-	507	1,086	883	662	-	-	495
35	1.7	Q(Btu/h)	12,460	10,680	8,010	-	-	7,298	12,810	10,980	8,235	-	-	7,503	13,370	11,460	8,595	-	-	7,831
		W	1,085	882	661	-	-	494	1,059	860	645	-	-	482	1,032	838	629	-	-	470
30	-1.1	Q(Btu/h)	11,900	10,200	7,650	-	-	6,970	12,250	10,500	7,875	-	-	7,175	12,810	10,980	8,235	-	-	7,503
		W	1,151	935	701	-	-	524	1,124	913	685	-	-	512	1,097	891	669	-	-	500
25	-3.9	Q(Btu/h)	10,920	9,360	7,020	-	-	6,396	11,270	9,660	7,245	-	-	6,601	11,760	10,080	7,560	-	-	6,888
		W	1,083	880	660	-	-	493	1,056	858	643	-	-	481	1,029	836	627	-	-	469
20	-6.7	Q(Btu/h)	10,920	8,520	6,390	-	-	5,822	11,270	8,820	6,615	-	-	6,027	11,760	9,240	6,930	-	-	6,314
		W	1,010	821	616	-	-	460	984	799	599	-	-	448	957	777	583	-	-	436
15	-9.4	Q(Btu/h)	10,920	7,560	5,670	-	-	5,166	11,270	7,860	5,895	-	-	5,371	11,760	8,280	6,210	-	-	5,658
		W	934	759	569	-	-	425	907	737	553	-	-	413	880	715	536	-	-	401
10	-12.2	Q(Btu/h)	10,920	6,480	4,860	-	-	4,428	11,270	6,780	5,085	-	-	4,633	11,760	7,320	5,490	-	-	5,002
		W	853	693	520	-	-	388	826	671	503	-	-	376	799	649	487	-	-	364
5	-15.0	Q(Btu/h)	10,920	4,920	3,690	-	-	3,362	11,270	5,160	3,870	-	-	3,526	11,760	5,760	4,320	-	-	3,936
		W	733	595	447	-	-	334	706	574	430	-	-	321	679	552	414	-	-	309
0	-17.8	Q(Btu/h)	9,191	3,788	2,841	-	-	2,589	9,486	4,060	3,045	-	-	2,774	9,898	4,679	3,509	-	-	3,197
		W	642	521	391	-	-	292	615	500	375	-	-	280	588	478	358	-	-	268
-4	-20.0	Q(Btu/h)	7,808	2,810	2,107	-	-	1,920	8,058	3,087	2,315	-	-	2,109	8,408	3,750	2,813	-	-	2,563
		W	566	460	345	-	-	258	539	438	328	-	-	245	512	416	312	-	-	233
-13	-25.0	Q(Btu/h)	4,696	465	348	-	-	317	4,846	765	574	-	-	523	5,057	1,547	1,161	-	-	1,057
		W	385	313	235	-	-	175	358	291	218	-	-	163	331	269	202	-	-	151

* Above data is for heating operation without any frost.

PEAD-A12AA7
SUZ-KA12NAHZ

1) COOLING

Rated
Q(Btu/h): 12,000
W: 850

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
115	46.1	Q(Btu/h)	10,954	10,954	8,216	5,477	-	5,267	10,257	10,257	7,693	5,129	-	4,932	9,361	9,361	7,021	4,680	-	4,501
		W	955	955	716	477	-	382	932	932	699	466	-	373	893	893	670	446	-	357
110	43.3	Q(Btu/h)	11,452	11,452	8,589	5,726	-	5,507	10,656	10,656	7,992	5,328	-	5,124	9,759	9,759	7,320	4,880	-	4,693
		W	939	939	704	470	-	376	916	916	687	458	-	366	873	873	655	437	-	349
105	40.6	Q(Btu/h)	11,950	11,950	8,963	5,975	-	5,746	11,054	11,054	8,290	5,527	-	5,315	10,257	10,257	7,693	5,129	-	4,932
		W	928	928	696	464	-	371	893	893	670	446	-	357	854	854	640	427	-	342
100	37.8	Q(Btu/h)	12,349	12,349	9,261	6,174	-	5,938	11,552	11,552	8,664	5,776	-	5,555	10,656	10,656	7,992	5,328	-	5,124
		W	900	900	675	450	-	360	873	873	655	437	-	349	834	834	626	417	-	334
95	35.0	Q(Btu/h)	12,846	12,846	9,635	6,423	-	6,177	12,000	12,000	9,000	6,000	-	5,770	11,154	11,154	8,365	5,577	-	5,363
		W	885	885	664	442	-	354	850	850	638	425	-	340	815	815	611	408	-	326
90	32.2	Q(Btu/h)	13,245	13,245	9,934	6,622	-	6,369	12,448	12,448	9,336	6,224	-	5,985	11,552	11,552	8,664	5,776	-	5,555
		W	854	854	640	427	-	342	815	815	611	408	-	326	784	784	588	392	-	314
85	29.4	Q(Btu/h)	13,743	13,743	10,307	6,871	-	6,608	12,946	12,946	9,710	6,473	-	6,225	12,050	12,050	9,037	6,025	-	5,794
		W	823	823	617	411	-	329	784	784	588	392	-	314	757	757	568	378	-	303
80	26.7	Q(Btu/h)	14,141	14,141	10,606	7,071	-	6,800	13,344	13,344	10,008	6,672	-	6,416	12,548	12,548	9,411	6,274	-	6,033
		W	792	792	594	396	-	317	749	749	562	375	-	300	726	726	544	363	-	290
75	23.9	Q(Btu/h)	14,639	14,639	10,979	7,320	-	7,039	13,743	13,743	10,307	6,871	-	6,608	12,996	12,996	9,747	6,498	-	6,249
		W	757	757	568	378	-	303	714	714	536	357	-	286	698	698	523	349	-	279
70	21.1	Q(Btu/h)	14,988	14,988	11,241	7,494	-	7,207	14,041	14,041	10,531	7,021	-	6,752	13,444	13,444	10,083	6,722	-	6,464
		W	718	718	539	359	-	287	683	683	512	342	-	273	656	656	492	328	-	262
67	19.4	Q(Btu/h)	15,137	15,137	11,353	7,568	-	7,278	14,340	14,340	10,755	7,170	-	6,895	13,743	13,743	10,307	6,871	-	6,608
		W	683	683	512	342	-	273	656	656	492	328	-	262	621	621	466	311	-	248

* It may not reach the above capacities in low ambient temperatures.

2) HEATING

Rated
Q(Btu/h): 15,000
W: 1,100

Indoor D.B.			77°F / 25.0°C						68°F / 20.0°C						59°F / 15.0°C					
Outdoor W.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
65	18.3	Q(Btu/h)	21,780	18,150	13,613	-	-	9,559	22,500	18,750	14,063	-	-	9,875	23,220	19,350	14,513	-	-	10,191
		W	1,578	1,249	937	-	-	545	1,545	1,223	917	-	-	533	1,512	1,196	897	-	-	522
60	15.6	Q(Btu/h)	20,880	17,400	13,050	-	-	9,164	21,600	18,000	13,500	-	-	9,480	22,320	18,600	13,950	-	-	9,796
		W	1,550	1,227	920	-	-	535	1,517	1,200	900	-	-	524	1,484	1,174	881	-	-	512
55	12.8	Q(Btu/h)	19,980	16,650	12,488	-	-	8,769	20,700	17,250	12,938	-	-	9,085	21,420	17,850	13,388	-	-	9,401
		W	1,518	1,201	901	-	-	524	1,485	1,175	881	-	-	513	1,451	1,149	861	-	-	501
50	10.0	Q(Btu/h)	19,080	15,900	11,925	-	-	8,374	19,710	16,425	12,319	-	-	8,651	20,430	17,025	12,769	-	-	8,967
		W	1,482	1,173	879	-	-	512	1,448	1,146	860	-	-	500	1,415	1,120	840	-	-	489
45	7.2	Q(Btu/h)	18,450	15,375	11,531	-	-	8,098	19,080	15,900	11,925	-	-	8,374	19,800	16,500	12,375	-	-	8,690
		W	1,458	1,154	865	-	-	503	1,425	1,127	845	-	-	492	1,391	1,101	826	-	-	480
40	4.4	Q(Btu/h)	17,460	14,550	10,913	-	-	7,663	18,090	15,075	11,306	-	-	7,940	18,810	15,675	11,756	-	-	8,256
		W	1,415	1,119	840	-	-	488	1,381	1,093	820	-	-	477	1,348	1,067	800	-	-	465
35	1.7	Q(Btu/h)	16,020	13,350	10,013	-	-	7,031	16,470	13,725	10,294	-	-	7,229	17,190	14,325	10,744	-	-	7,545
		W	1,347	1,066	799	-	-	465	1,314	1,040	780	-	-	454	1,280	1,013	760	-	-	442
30	-1.1	Q(Btu/h)	15,300	12,750	9,563	-	-	6,715	15,750	13,125	9,844	-	-	6,913	16,470	13,725	10,294	-	-	7,229
		W	1,428	1,130	848	-	-	493	1,395	1,104	828	-	-	482	1,362	1,077	808	-	-	470
25	-3.9	Q(Btu/h)	14,040	11,700	8,775	-	-	6,162	14,490	12,075	9,056	-	-	6,360	15,120	12,600	9,450	-	-	6,636
		W	1,344	1,063	798	-	-	464	1,310	1,037	778	-	-	453	1,277	1,011	758	-	-	441
20	-6.7	Q(Btu/h)	14,040	10,650	7,988	-	-	5,609	14,490	11,025	8,269	-	-	5,807	15,120	11,550	8,663	-	-	6,083
		W	1,254	992	744	-	-	433	1,221	966	725	-	-	422	1,187	940	705	-	-	410
15	-9.4	Q(Btu/h)	14,040	9,450	7,088	-	-	4,977	14,490	9,825	7,369	-	-	5,175	15,120	10,350	7,763	-	-	5,451
		W	1,159	917	688	-	-	400	1,126	891	668	-	-	389	1,092	864	648	-	-	377
10	-12.2	Q(Btu/h)	14,040	8,100	6,075	-	-	4,266	14,490	8,475	6,356	-	-	4,464	15,120	9,150	6,863	-	-	4,819
		W	1,059	838	628	-	-	366	1,025	811	609	-	-	354	992	785	589	-	-	343
5	-15.0	Q(Btu/h)	14,040	6,150	4,613	-	-	3,239	14,490	6,450	4,838	-	-	3,397	15,120	7,200	5,400	-	-	3,792
		W	909	720	540	-	-	314	876	693	520	-	-	303	843	667	500	-	-	291
0	-17.8	Q(Btu/h)	11,817	4,735	3,552	-	-	2,494	12,196	5,075	3,806	-	-	2,673	12,726	5,848	4,386	-	-	3,080
		W	796	630	473	-	-	275	763	604	453	-	-	264	730	578	433	-	-	252
-4	-20.0	Q(Btu/h)	10,039	3,512	2,634	-	-	1,850	10,360	3,859	2,894	-	-	2,032	10,811	4,688	3,516	-	-	2,469
		W	702	556	417	-	-	242	669	529	397	-	-	231	636	503	377	-	-	219
-13	-25.0	Q(Btu/h)	6,037	581	436	-	-	306	6,231	956	717	-	-	504	6,502	1,934	1,451	-	-	1,019
		W	478	378	284	-	-	165	445	352	264	-	-	154	411	325	244	-	-	142

* Above data is for heating operation without any frost.

PEAD-A15AA7
SUZ-KA15NAHZ

1) COOLING

Rated
Q(Btu/h): 15,000
W: 1,190

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
115	46.1	Q(Btu/h)	13,693	13,693	10,270	-	-	8,763	12,822	12,822	9,616	-	-	8,206	11,701	11,701	8,776	-	-	7,489
		W	1,337	1,337	1,003	-	-	730	1,304	1,304	978	-	-	712	1,250	1,250	937	-	-	683
110	43.3	Q(Btu/h)	14,315	14,315	10,737	-	-	9,162	13,320	13,320	9,990	-	-	8,524	12,199	12,199	9,149	-	-	7,807
		W	1,315	1,315	986	-	-	718	1,282	1,282	962	-	-	700	1,223	1,223	917	-	-	668
105	40.6	Q(Btu/h)	14,938	14,938	11,203	-	-	9,560	13,817	13,817	10,363	-	-	8,843	12,822	12,822	9,616	-	-	8,206
		W	1,299	1,299	974	-	-	709	1,250	1,250	937	-	-	683	1,195	1,195	897	-	-	653
100	37.8	Q(Btu/h)	15,436	15,436	11,577	-	-	9,879	14,440	14,440	10,830	-	-	9,241	13,320	13,320	9,990	-	-	8,524
		W	1,261	1,261	945	-	-	689	1,223	1,223	917	-	-	668	1,168	1,168	876	-	-	638
95	35.0	Q(Btu/h)	16,058	16,058	12,044	-	-	10,277	15,000	15,000	11,250	-	-	9,600	13,942	13,942	10,456	-	-	8,923
		W	1,239	1,239	929	-	-	677	1,190	1,190	893	-	-	650	1,141	1,141	856	-	-	623
90	32.2	Q(Btu/h)	16,556	16,556	12,417	-	-	10,596	15,560	15,560	11,670	-	-	9,959	14,440	14,440	10,830	-	-	9,241
		W	1,195	1,195	897	-	-	653	1,141	1,141	856	-	-	623	1,098	1,098	823	-	-	600
85	29.4	Q(Btu/h)	17,178	17,178	12,884	-	-	10,994	16,183	16,183	12,137	-	-	10,357	15,062	15,062	11,297	-	-	9,640
		W	1,152	1,152	864	-	-	629	1,098	1,098	823	-	-	600	1,060	1,060	795	-	-	579
80	26.7	Q(Btu/h)	17,676	17,676	13,257	-	-	11,313	16,680	16,680	12,510	-	-	10,676	15,685	15,685	11,763	-	-	10,038
		W	1,108	1,108	831	-	-	605	1,049	1,049	787	-	-	573	1,016	1,016	762	-	-	555
75	23.9	Q(Btu/h)	18,299	18,299	13,724	-	-	11,711	17,178	17,178	12,884	-	-	10,994	16,245	16,245	12,184	-	-	10,397
		W	1,060	1,060	795	-	-	579	1,000	1,000	750	-	-	546	977	977	733	-	-	534
70	21.1	Q(Btu/h)	18,734	18,734	14,051	-	-	11,990	17,552	17,552	13,164	-	-	11,233	16,805	16,805	12,604	-	-	10,755
		W	1,005	1,005	754	-	-	549	956	956	717	-	-	522	918	918	689	-	-	502
67	19.4	Q(Btu/h)	18,921	18,921	14,191	-	-	12,110	17,925	17,925	13,444	-	-	11,472	17,178	17,178	12,884	-	-	10,994
		W	956	956	717	-	-	522	918	918	689	-	-	502	869	869	652	-	-	475

* It may not reach the above capacities in low ambient temperatures.

2) HEATING

Rated
Q(Btu/h): 18,000
W: 1,710

Indoor D.B.			77°F / 25.0°C						68°F / 20.0°C						59°F / 15.0°C					
Outdoor W.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
65	18.3	Q(Btu/h)	27,830	21,780	16,335	10,890	-	10,648	28,750	22,500	16,875	11,250	-	11,000	29,670	23,220	17,415	11,610	-	11,352
		W	3,179	1,941	1,456	971	-	613	3,112	1,900	1,425	950	-	600	3,045	1,860	1,395	930	-	587
60	15.6	Q(Btu/h)	26,680	20,880	15,660	10,440	-	10,208	27,600	21,600	16,200	10,800	-	10,560	28,520	22,320	16,740	11,160	-	10,912
		W	3,123	1,907	1,430	954	-	602	3,056	1,866	1,400	933	-	589	2,989	1,825	1,369	913	-	576
55	12.8	Q(Btu/h)	25,530	19,980	14,985	9,990	-	9,768	26,450	20,700	15,525	10,350	-	10,120	27,370	21,420	16,065	10,710	-	10,472
		W	3,058	1,868	1,401	934	-	590	2,991	1,827	1,370	913	-	577	2,924	1,786	1,339	893	-	564
50	10.0	Q(Btu/h)	24,380	19,080	14,310	9,540	-	9,328	25,185	19,710	14,783	9,855	-	9,636	26,105	20,430	15,323	10,215	-	9,988
		W	2,985	1,823	1,367	911	-	576	2,918	1,782	1,336	891	-	563	2,851	1,741	1,306	870	-	550
45	7.2	Q(Btu/h)	23,575	18,450	13,838	9,225	-	9,020	24,380	19,080	14,310	9,540	-	9,328	25,300	19,800	14,850	9,900	-	9,680
		W	2,937	1,793	1,345	897	-	566	2,869	1,752	1,314	876	-	553	2,802	1,711	1,284	856	-	540
40	4.4	Q(Btu/h)	22,310	17,460	13,095	8,730	-	8,536	23,115	18,090	13,568	9,045	-	8,844	24,035	18,810	14,108	9,405	-	9,196
		W	2,850	1,740	1,305	870	-	550	2,782	1,699	1,274	850	-	537	2,715	1,658	1,244	829	-	524
35	1.7	Q(Btu/h)	20,470	16,020	12,015	8,010	-	7,832	21,045	16,470	12,353	8,235	-	8,052	21,965	17,190	12,893	8,595	-	8,404
		W	2,713	1,657	1,243	829	-	523	2,646	1,616	1,212	808	-	510	2,579	1,575	1,181	788	-	497
30	-1.1	Q(Btu/h)	19,550	15,300	11,475	7,650	-	7,480	20,125	15,750	11,813	7,875	-	7,700	21,045	16,470	12,353	8,235	-	8,052
		W	2,877	1,757	1,318	878	-	555	2,810	1,716	1,287	858	-	542	2,743	1,675	1,256	837	-	529
25	-3.9	Q(Btu/h)	17,940	14,040	10,530	7,020	-	6,864	18,515	14,490	10,868	7,245	-	7,084	19,320	15,120	11,340	7,560	-	7,392
		W	2,707	1,653	1,240	827	-	522	2,640	1,612	1,209	806	-	509	2,573	1,571	1,178	786	-	496
20	-6.7	Q(Btu/h)	17,940	12,780	9,585	6,390	-	6,248	18,515	13,230	9,923	6,615	-	6,468	19,320	13,860	10,395	6,930	-	6,776
		W	2,526	1,543	1,157	771	-	487	2,459	1,502	1,126	751	-	474	2,392	1,461	1,096	730	-	461
15	-9.4	Q(Btu/h)	17,940	11,340	8,505	5,670	-	5,544	18,515	11,790	8,843	5,895	-	5,764	19,320	12,420	9,315	6,210	-	6,072
		W	2,335	1,426	1,069	713	-	450	2,268	1,385	1,039	692	-	437	2,200	1,344	1,008	672	-	424
10	-12.2	Q(Btu/h)	17,940	9,720	7,290	4,860	-	4,752	18,515	10,170	7,628	5,085	-	4,972	19,320	10,980	8,235	5,490	-	5,368
		W	2,133	1,302	977	651	-	411	2,065	1,261	946	631	-	398	1,998	1,220	915	610	-	385
5	-15.0	Q(Btu/h)	17,940	7,380	5,535	3,690	-	3,608	18,515	7,740	5,805	3,870	-	3,784	19,320	8,640	6,480	4,320	-	4,224
		W	1,832	1,119	839	559	-	353	1,765	1,078	808	539	-	340	1,698	1,037	778	518	-	327
0	-17.8	Q(Btu/h)	15,100	5,682	4,262	2,841	-	2,778	15,583	6,090	4,567	3,045	-	2,977	16,261	7,018	5,263	3,509	-	3,431
		W	1,604	980	735	490	-	309	1,537	939	704	469	-	296	1,470	898	673	449	-	284
-4	-20.0	Q(Btu/h)	12,827	4,215	3,161	2,107	-	2,060	13,238	4,630	3,473	2,315	-	2,264	13,814	5,626	4,219	2,813	-	2,750
		W	1,414	864	648	432	-	273	1,347	823	617	411	-	260	1,280	782	586	391	-	247
-13	-25.0	Q(Btu/h)	7,714	697	523	348	-	341	7,961	1,148	861	574	-	561	8,308	2,321	1,741	1,161	-	1,135
		W	963	588	441	294	-	186	895	547	410	273	-	173	828	506	379	253	-	160

* Above data is for heating operation without any frost.

PEAD-A18AA7
SUZ-KA18NAHZ

1) COOLING

Rated
Q(Btu/h): 18,000
W: 1,400

Indoor W.B. / Outdoor D.B. (°F)	(°C)		71°F / 21.7°C Max	Rated	75%	50%	25%	Min	67°F / 19.4°C Max	Rated	75%	50%	25%	Min	63°F / 17.2°C Max	Rated	75%	50%	25%	Min
115	46.1	Q(Btu/h)	16,432	16,432	12,324	-	-	8,508	15,386	15,386	11,539	-	-	7,966	14,041	14,041	10,531	-	-	7,270
		W	1,573	1,573	1,179	-	-	640	1,534	1,534	1,151	-	-	625	1,470	1,470	1,103	-	-	599
110	43.3	Q(Btu/h)	17,178	17,178	12,884	-	-	8,895	15,983	15,983	11,988	-	-	8,276	14,639	14,639	10,979	-	-	7,580
		W	1,547	1,547	1,160	-	-	630	1,509	1,509	1,132	-	-	614	1,438	1,438	1,079	-	-	586
105	40.6	Q(Btu/h)	17,925	17,925	13,444	-	-	9,281	16,581	16,581	12,436	-	-	8,585	15,386	15,386	11,539	-	-	7,966
		W	1,528	1,528	1,146	-	-	622	1,470	1,470	1,103	-	-	599	1,406	1,406	1,055	-	-	573
100	37.8	Q(Btu/h)	18,523	18,523	13,892	-	-	9,591	17,328	17,328	12,996	-	-	8,972	15,983	15,983	11,988	-	-	8,276
		W	1,483	1,483	1,112	-	-	604	1,438	1,438	1,079	-	-	586	1,374	1,374	1,031	-	-	560
95	35.0	Q(Btu/h)	19,270	19,270	14,452	-	-	9,977	18,000	18,000	13,500	-	-	9,320	16,730	16,730	12,548	-	-	8,663
		W	1,458	1,458	1,093	-	-	593	1,400	1,400	1,050	-	-	570	1,342	1,342	1,007	-	-	547
90	32.2	Q(Btu/h)	19,867	19,867	14,900	-	-	10,287	18,672	18,672	14,004	-	-	9,668	17,328	17,328	12,996	-	-	8,972
		W	1,406	1,406	1,055	-	-	573	1,342	1,342	1,007	-	-	547	1,291	1,291	968	-	-	526
85	29.4	Q(Btu/h)	20,614	20,614	15,461	-	-	10,674	19,419	19,419	14,564	-	-	10,055	18,075	18,075	13,556	-	-	9,359
		W	1,355	1,355	1,016	-	-	552	1,291	1,291	968	-	-	526	1,247	1,247	935	-	-	508
80	26.7	Q(Btu/h)	21,212	21,212	15,909	-	-	10,983	20,017	20,017	15,012	-	-	10,364	18,822	18,822	14,116	-	-	9,745
		W	1,304	1,304	978	-	-	531	1,234	1,234	925	-	-	502	1,195	1,195	897	-	-	487
75	23.9	Q(Btu/h)	21,959	21,959	16,469	-	-	11,370	20,614	20,614	15,461	-	-	10,674	19,494	19,494	14,620	-	-	10,093
		W	1,247	1,247	935	-	-	508	1,176	1,176	882	-	-	479	1,149	1,149	862	-	-	468
70	21.1	Q(Btu/h)	22,481	22,481	16,861	-	-	11,640	21,062	21,062	15,797	-	-	10,906	20,166	20,166	15,124	-	-	10,441
		W	1,183	1,183	887	-	-	482	1,125	1,125	844	-	-	458	1,080	1,080	810	-	-	440
67	19.4	Q(Btu/h)	22,705	22,705	17,029	-	-	11,756	21,510	21,510	16,133	-	-	11,138	20,614	20,614	15,461	-	-	10,674
		W	1,125	1,125	844	-	-	458	1,080	1,080	810	-	-	440	1,023	1,023	767	-	-	416

* It may not reach the above capacities in low ambient temperatures.

2) HEATING

Rated
Q(Btu/h): 21,600
W: 1,890

Indoor D.B. / Outdoor W.B. (°F)	(°C)		77°F / 25.0°C Max	Rated	75%	50%	25%	Min	68°F / 20.0°C Max	Rated	75%	50%	25%	Min	59°F / 15.0°C Max	Rated	75%	50%	25%	Min
65	18.3	Q(Btu/h)	33,880	26,136	19,602	13,068	-	10,648	35,000	27,000	20,250	13,500	-	11,000	36,120	27,864	20,898	13,932	-	11,352
		W	3,690	2,146	1,609	1,073	-	613	3,612	2,101	1,575	1,050	-	600	3,534	2,055	1,541	1,028	-	587
60	15.6	Q(Btu/h)	32,480	25,056	18,792	12,528	-	10,208	33,600	25,920	19,440	12,960	-	10,560	34,720	26,784	20,088	13,392	-	10,912
		W	3,625	2,108	1,581	1,054	-	602	3,547	2,063	1,547	1,031	-	589	3,469	2,017	1,513	1,009	-	576
55	12.8	Q(Btu/h)	31,080	23,976	17,982	11,988	-	9,768	32,200	24,840	18,630	12,420	-	10,120	33,320	25,704	19,278	12,852	-	10,472
		W	3,549	2,064	1,548	1,032	-	590	3,472	2,019	1,514	1,009	-	577	3,394	1,974	1,480	987	-	564
50	10.0	Q(Btu/h)	29,680	22,896	17,172	11,448	-	9,328	30,660	23,652	17,739	11,826	-	9,636	31,780	24,516	18,387	12,258	-	9,988
		W	3,464	2,015	1,511	1,007	-	576	3,387	1,969	1,477	985	-	563	3,309	1,924	1,443	962	-	550
45	7.2	Q(Btu/h)	28,700	22,140	16,605	11,070	-	9,020	29,680	22,896	17,172	11,448	-	9,328	30,800	23,760	17,820	11,880	-	9,680
		W	3,409	1,982	1,487	991	-	566	3,331	1,937	1,453	968	-	553	3,253	1,892	1,419	946	-	540
40	4.4	Q(Btu/h)	27,160	20,952	15,714	10,476	-	8,536	28,140	21,708	16,281	10,854	-	8,844	29,260	22,572	16,929	11,286	-	9,196
		W	3,308	1,923	1,443	962	-	550	3,230	1,878	1,409	939	-	537	3,152	1,833	1,375	916	-	524
35	1.7	Q(Btu/h)	24,920	19,224	14,418	9,612	-	7,832	25,620	19,764	14,823	9,882	-	8,052	26,740	20,628	15,471	10,314	-	8,404
		W	3,149	1,831	1,374	916	-	523	3,072	1,786	1,340	893	-	510	2,994	1,741	1,306	870	-	497
30	-1.1	Q(Btu/h)	23,800	18,360	13,770	9,180	-	7,480	24,500	18,900	14,175	9,450	-	7,700	25,620	19,764	14,823	9,882	-	8,052
		W	3,339	1,942	1,456	971	-	555	3,261	1,897	1,422	948	-	542	3,183	1,851	1,388	926	-	529
25	-3.9	Q(Btu/h)	21,840	16,848	12,636	8,424	-	6,864	22,540	17,388	13,041	8,694	-	7,084	23,520	18,144	13,608	9,072	-	7,392
		W	3,142	1,827	1,370	914	-	522	3,064	1,782	1,336	891	-	509	2,986	1,737	1,302	868	-	496
20	-6.7	Q(Btu/h)	21,840	15,336	11,502	7,668	-	6,248	22,540	15,876	11,907	7,938	-	6,468	23,520	16,632	12,474	8,316	-	6,776
		W	2,932	1,705	1,279	853	-	487	2,854	1,660	1,245	830	-	474	2,776	1,615	1,211	807	-	461
15	-9.4	Q(Btu/h)	21,840	13,608	10,206	6,804	-	5,544	22,540	14,148	10,611	7,074	-	5,764	23,520	14,904	11,178	7,452	-	6,072
		W	2,710	1,576	1,182	788	-	450	2,632	1,531	1,148	765	-	437	2,554	1,485	1,114	743	-	424
10	-12.2	Q(Btu/h)	21,840	11,664	8,748	5,832	-	4,752	22,540	12,204	9,153	6,102	-	4,972	23,520	13,176	9,882	6,588	-	5,368
		W	2,475	1,439	1,080	720	-	411	2,397	1,394	1,046	697	-	398	2,320	1,349	1,012	674	-	385
5	-15.0	Q(Btu/h)	21,840	8,856	6,642	4,428	-	3,608	22,540	9,288	6,966	4,644	-	3,784	23,520	10,368	7,776	5,184	-	4,224
		W	2,126	1,236	927	618	-	353	2,048	1,191	893	596	-	340	1,971	1,146	859	573	-	327
0	-17.8	Q(Btu/h)	18,382	6,819	5,114	3,409	-	2,778	18,971	7,307	5,481	3,654	-	2,977	19,796	8,421	6,316	4,211	-	3,431
		W	1,862	1,083	812	541	-	309	1,784	1,038	778	519	-	296	1,706	992	744	496	-	284
-4	-20.0	Q(Btu/h)	15,616	5,057	3,793	2,529	-	2,060	16,116	5,557	4,167	2,778	-	2,264	16,817	6,751	5,063	3,375	-	2,750
		W	1,642	955	716	477	-	273	1,564	909	682	455	-	260	1,486	864	648	432	-	247
-13	-25.0	Q(Btu/h)	9,391	836	627	418	-	341	9,692	1,377	1,033	689	-	561	10,114	2,785	2,089	1,393	-	1,135
		W	1,117	650	487	325	-	186	1,039	604	453	302	-	173	962	559	419	280	-	160

* Above data is for heating operation without any frost.

PEAD-A24AA7
SUZ-KA24NAHZ

1) COOLING

Rated
Q(Btu/h): 24,000
W: 2,080

Indoor W.B. / Outdoor D.B. (°F)	(°C)		71°F / 21.7°C Max	Rated	75%	50%	25%	Min	67°F / 19.4°C Max	Rated	75%	50%	25%	Min	63°F / 17.2°C Max	Rated	75%	50%	25%	Min
115	46.1	Q(Btu/h)	24,192	24,192	18,144	12,096	-	10,080	22,320	22,320	16,740	11,160	-	9,300	20,952	20,952	15,714	10,476	-	8,730
		W	2,538	2,538	1,903	1,269	-	903	2,454	2,454	1,841	1,227	-	873	2,392	2,392	1,794	1,196	-	851
110	43.3	Q(Btu/h)	25,416	25,416	19,062	12,708	-	10,590	23,544	23,544	17,658	11,772	-	9,810	22,176	22,176	16,632	11,088	-	9,240
		W	2,409	2,409	1,806	1,204	-	857	2,325	2,325	1,744	1,163	-	827	2,263	2,263	1,697	1,132	-	805
105	40.6	Q(Btu/h)	25,944	25,944	19,458	12,972	-	10,810	24,072	24,072	18,054	12,036	-	10,030	22,704	22,704	17,028	11,352	-	9,460
		W	2,328	2,328	1,746	1,164	-	828	2,244	2,244	1,683	1,122	-	798	2,182	2,182	1,636	1,091	-	776
100	37.8	Q(Btu/h)	26,640	26,640	19,980	13,320	-	11,100	24,768	24,768	18,576	12,384	-	10,320	23,400	23,400	17,550	11,700	-	9,750
		W	2,215	2,215	1,661	1,108	-	788	2,132	2,132	1,599	1,066	-	759	2,070	2,070	1,552	1,035	-	736
95	35.0	Q(Btu/h)	27,216	27,216	20,412	13,608	-	11,340	25,344	25,344	19,008	12,672	-	10,560	23,976	23,976	17,982	11,988	-	9,990
		W	2,126	2,126	1,594	1,063	-	756	2,043	2,043	1,532	1,021	-	727	1,980	1,980	1,485	990	-	704
90	32.2	Q(Btu/h)	27,600	27,600	20,700	13,800	-	11,500	25,728	25,728	19,296	12,864	-	10,720	24,360	24,360	18,270	12,180	-	10,150
		W	2,059	2,059	1,544	1,030	-	733	1,976	1,976	1,482	988	-	703	1,914	1,914	1,435	957	-	681
85	29.4	Q(Btu/h)	27,888	27,888	20,916	13,944	-	11,620	26,016	26,016	19,512	13,008	-	10,840	24,648	24,648	18,486	12,324	-	10,270
		W	1,997	1,997	1,498	998	-	710	1,914	1,914	1,435	957	-	681	1,851	1,851	1,388	926	-	659
80	26.7	Q(Btu/h)	28,320	28,320	21,240	14,160	-	11,800	26,448	26,448	19,836	13,224	-	11,020	25,080	25,080	18,810	12,540	-	10,450
		W	1,930	1,930	1,448	965	-	687	1,847	1,847	1,385	924	-	657	1,785	1,785	1,338	892	-	635
75	23.9	Q(Btu/h)	28,632	28,632	21,474	14,316	-	11,930	26,760	26,760	20,070	13,380	-	11,150	25,392	25,392	19,044	12,696	-	10,580
		W	1,872	1,872	1,404	936	-	666	1,789	1,789	1,342	894	-	636	1,726	1,726	1,295	863	-	614
70	21.1	Q(Btu/h)	28,800	28,800	21,600	14,400	-	12,000	26,928	26,928	20,196	13,464	-	11,220	25,560	25,560	19,170	12,780	-	10,650
		W	1,826	1,826	1,370	913	-	650	1,743	1,743	1,307	872	-	620	1,681	1,681	1,260	840	-	598
67	19.4	Q(Btu/h)	28,992	28,992	21,744	14,496	-	12,080	27,120	27,120	20,340	13,560	-	11,300	25,752	25,752	19,314	12,876	-	10,730
		W	1,793	1,793	1,345	896	-	638	1,710	1,710	1,282	855	-	608	1,647	1,647	1,236	824	-	586

* It may not reach the above capacities in low ambient temperatures.

2) HEATING

Rated
Q(Btu/h): 25,000
W: 1,920

Indoor D.B. / Outdoor W.B. (°F)	(°C)		77°F / 25.0°C Max	Rated	75%	50%	25%	Min	68°F / 20.0°C Max	Rated	75%	50%	25%	Min	59°F / 15.0°C Max	Rated	75%	50%	25%	Min
65	18.3	Q(Btu/h)	35,736	31,908	23,931	15,954	-	12,763	36,772	32,833	24,624	16,416	-	13,133	37,948	33,883	25,412	16,941	-	13,553
		W	2,987	2,515	1,886	1,258	-	825	2,782	2,362	1,771	1,181	-	775	2,622	2,208	1,656	1,104	-	725
60	15.6	Q(Btu/h)	33,740	30,125	22,594	15,063	-	12,050	34,776	31,050	23,288	15,525	-	12,420	35,952	32,100	24,075	16,050	-	12,840
		W	2,873	2,419	1,814	1,210	-	794	2,668	2,266	1,699	1,133	-	743	2,508	2,112	1,584	1,056	-	693
55	12.8	Q(Btu/h)	31,500	28,125	21,094	14,063	-	11,250	32,536	29,050	21,788	14,525	-	11,620	33,712	30,100	22,575	15,050	-	12,040
		W	2,759	2,342	1,757	1,171	-	769	2,554	2,189	1,642	1,094	-	718	2,394	2,035	1,526	1,018	-	668
50	10.0	Q(Btu/h)	29,624	26,450	19,838	13,225	-	10,580	30,660	27,375	20,531	13,688	-	10,950	31,836	28,425	21,319	14,213	-	11,370
		W	2,645	2,237	1,678	1,118	-	734	2,440	2,083	1,562	1,042	-	684	2,280	1,930	1,447	965	-	633
45	7.2	Q(Btu/h)	24,625	24,500	18,375	12,250	-	9,800	25,625	25,425	19,069	12,713	-	10,170	26,625	26,475	19,856	13,238	-	10,590
		W	2,531	2,112	1,584	1,056	-	693	2,326	1,958	1,469	979	-	643	2,166	1,805	1,354	902	-	592
40	4.4	Q(Btu/h)	24,000	20,500	15,375	10,250	-	8,200	25,000	21,425	16,069	10,713	-	8,570	26,000	22,475	16,856	11,238	-	8,990
		W	2,462	1,939	1,454	970	-	636	2,257	1,824	1,368	912	-	599	2,098	1,690	1,267	845	-	554
35	1.7	Q(Btu/h)	24,000	17,750	13,313	8,875	-	7,100	25,000	19,750	14,813	9,875	-	7,900	26,000	21,000	15,750	10,500	-	8,400
		W	2,624	1,828	1,371	914	-	600	2,503	1,713	1,284	856	-	562	2,342	1,578	1,184	789	-	518
30	-1.1	Q(Btu/h)	24,000	17,000	12,750	8,500	-	6,800	25,000	17,900	13,425	8,950	-	7,160	26,000	18,650	13,988	9,325	-	7,460
		W	3,089	1,667	1,250	833	-	547	2,968	1,551	1,164	776	-	509	2,806	1,417	1,063	708	-	465
25	-3.9	Q(Btu/h)	24,000	16,250	12,188	8,125	-	6,500	25,000	17,150	12,863	8,575	-	6,860	26,000	17,900	13,425	8,950	-	7,160
		W	3,351	1,450	1,087	725	-	476	3,230	1,334	1,001	667	-	438	3,069	1,200	900	600	-	394
20	-6.7	Q(Btu/h)	24,000	15,500	11,625	7,750	-	6,200	25,000	16,400	12,300	8,200	-	6,560	26,000	17,150	12,863	8,575	-	6,860
		W	3,533	1,421	1,066	710	-	466	3,412	1,306	979	653	-	428	3,250	1,171	878	586	-	384
15	-9.4	Q(Btu/h)	24,000	15,125	11,344	7,563	-	6,050	25,000	16,025	12,019	8,013	-	6,410	26,000	16,775	12,581	8,388	-	6,710
		W	3,694	1,354	1,015	677	-	444	3,573	1,238	929	619	-	406	3,412	1,104	828	552	-	362
10	-12.2	Q(Btu/h)	24,000	14,550	10,913	7,275	-	5,820	25,000	15,450	11,588	7,725	-	6,180	26,000	16,200	12,150	8,100	-	6,480
		W	3,795	1,252	939	626	-	411	3,674	1,137	852	568	-	373	3,513	1,002	752	501	-	329
5	-15.0	Q(Btu/h)	24,000	14,238	10,678	7,119	-	5,695	25,000	15,138	11,353	7,569	-	6,055	26,000	15,888	11,916	7,944	-	6,355
		W	3,876	1,247	936	624	-	409	3,755	1,132	849	566	-	372	3,593	998	748	499	-	327
0	-17.8	Q(Btu/h)	22,625	14,000	10,500	7,000	-	5,600	23,625	14,900	11,175	7,450	-	5,960	24,625	15,650	11,738	7,825	-	6,260
		W	3,916	1,250	938	625	-	410	3,795	1,135	851	568	-	372	3,634	1,001	751	500	-	328
-4	-20.0	Q(Btu/h)	21,475	13,850	10,388	6,925	-	5,540	22,475	14,750	11,063	7,375	-	5,900	23,475	15,500	11,625	7,750	-	6,200
		W	3,937	1,238	928	619	-	406	3,815	1,123	842	561	-	368	3,654	988	741	494	-	324
-13	-25.0	Q(Btu/h)	19,000	13,719	10,289	6,860	-	5,488	20,000	14,619	10,964	7,310	-	5,848	21,000	15,369	11,527	7,685	-	6,148
		W	3,957	1,218	914	609	-	400	3,836	1,103	827	551	-	362	3,674	969	726	484	-	318

* Above data is for heating operation without any frost.

PEAD-A30AA7
SUZ-KA30NAHZ

1) COOLING

Rated
Q(Btu/h): 30,000
W: 2,350

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
115	46.1	Q(Btu/h)	30,240	30,240	22,680	15,120	-	14,717	27,900	27,900	20,925	13,950	-	13,578	26,190	26,190	19,643	13,095	-	12,746
		W	2,867	2,867	2,150	1,434	-	1,208	2,773	2,773	2,080	1,387	-	1,168	2,703	2,703	2,027	1,351	-	1,139
110	43.3	Q(Btu/h)	31,770	31,770	23,828	15,885	-	15,461	29,430	29,430	22,073	14,715	-	14,323	27,720	27,720	20,790	13,860	-	13,490
		W	2,721	2,721	2,041	1,361	-	1,146	2,627	2,627	1,970	1,314	-	1,107	2,557	2,557	1,918	1,278	-	1,077
105	40.6	Q(Btu/h)	32,430	32,430	24,323	16,215	-	15,783	30,090	30,090	22,568	15,045	-	14,644	28,380	28,380	21,285	14,190	-	13,812
		W	2,630	2,630	1,972	1,315	-	1,108	2,536	2,536	1,902	1,268	-	1,068	2,465	2,465	1,849	1,233	-	1,039
100	37.8	Q(Btu/h)	33,300	33,300	24,975	16,650	-	16,206	30,960	30,960	23,220	15,480	-	15,067	29,250	29,250	21,938	14,625	-	14,235
		W	2,503	2,503	1,877	1,251	-	1,054	2,409	2,409	1,807	1,204	-	1,015	2,338	2,338	1,754	1,169	-	985
95	35.0	Q(Btu/h)	34,020	34,020	25,515	17,010	-	16,556	31,680	31,680	23,760	15,840	-	15,418	29,970	29,970	22,478	14,985	-	14,585
		W	2,402	2,402	1,801	1,201	-	1,012	2,308	2,308	1,731	1,154	-	972	2,237	2,237	1,678	1,119	-	942
90	32.2	Q(Btu/h)	34,500	34,500	25,875	17,250	-	16,790	32,160	32,160	24,120	16,080	-	15,651	30,450	30,450	22,838	15,225	-	14,819
		W	2,327	2,327	1,745	1,163	-	980	2,233	2,233	1,674	1,116	-	941	2,162	2,162	1,622	1,081	-	911
85	29.4	Q(Btu/h)	34,860	34,860	26,145	17,430	-	16,965	32,520	32,520	24,390	16,260	-	15,826	30,810	30,810	23,108	15,405	-	14,994
		W	2,256	2,256	1,692	1,128	-	950	2,162	2,162	1,622	1,081	-	911	2,092	2,092	1,569	1,046	-	881
80	26.7	Q(Btu/h)	35,400	35,400	26,550	17,700	-	17,228	33,060	33,060	24,795	16,530	-	16,089	31,350	31,350	23,513	15,675	-	15,257
		W	2,181	2,181	1,636	1,090	-	919	2,087	2,087	1,565	1,043	-	879	2,016	2,016	1,512	1,008	-	849
75	23.9	Q(Btu/h)	35,790	35,790	26,843	17,895	-	17,418	33,450	33,450	25,088	16,725	-	16,279	31,740	31,740	23,805	15,870	-	15,447
		W	2,115	2,115	1,586	1,058	-	891	2,021	2,021	1,516	1,011	-	851	1,951	1,951	1,463	975	-	822
70	21.1	Q(Btu/h)	36,000	36,000	27,000	18,000	-	17,520	33,660	33,660	25,245	16,830	-	16,381	31,950	31,950	23,963	15,975	-	15,549
		W	2,063	2,063	1,547	1,032	-	869	1,969	1,969	1,477	985	-	830	1,899	1,899	1,424	949	-	800
67	19.4	Q(Btu/h)	36,240	36,240	27,180	18,120	-	17,637	33,900	33,900	25,425	16,950	-	16,498	32,190	32,190	24,143	16,095	-	15,666
		W	2,026	2,026	1,519	1,013	-	853	1,932	1,932	1,449	966	-	814	1,861	1,861	1,396	931	-	784

* It may not reach the above capacities in low ambient temperatures.

2) HEATING

Rated
Q(Btu/h): 32,000
W: 2,740

Indoor D.B.			77°F / 25.0°C						68°F / 20.0°C						59°F / 15.0°C					
Outdoor W.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
65	18.3	Q(Btu/h)	43,394	40,842	30,631	20,421	-	18,762	44,652	42,026	31,519	21,013	-	19,306	46,080	43,370	32,527	21,685	-	19,923
		W	3,969	3,589	2,692	1,795	-	1,284	3,697	3,370	2,528	1,685	-	1,205	3,485	3,151	2,363	1,576	-	1,127
60	15.6	Q(Btu/h)	40,970	38,560	28,920	19,280	-	17,714	42,228	39,744	29,808	19,872	-	18,257	43,656	41,088	30,816	20,544	-	18,875
		W	3,818	3,452	2,589	1,726	-	1,235	3,545	3,233	2,425	1,617	-	1,156	3,333	3,014	2,261	1,507	-	1,078
55	12.8	Q(Btu/h)	38,250	36,000	27,000	18,000	-	16,538	39,508	37,184	27,888	18,592	-	17,081	40,936	38,528	28,896	19,264	-	17,699
		W	3,666	3,343	2,507	1,671	-	1,196	3,394	3,124	2,343	1,562	-	1,117	3,182	2,904	2,178	1,452	-	1,039
50	10.0	Q(Btu/h)	35,972	33,856	25,392	16,928	-	15,553	37,230	35,040	26,280	17,520	-	16,097	38,658	36,384	27,288	18,192	-	16,714
		W	3,515	3,192	2,394	1,596	-	1,142	3,242	2,973	2,230	1,486	-	1,063	3,030	2,754	2,065	1,377	-	985
45	7.2	Q(Btu/h)	31,520	31,360	23,520	15,680	-	14,406	32,800	32,544	24,408	16,272	-	14,950	34,080	33,888	25,416	16,944	-	15,567
		W	3,363	3,014	2,261	1,507	-	1,078	3,091	2,795	2,096	1,397	-	1,000	2,879	2,576	1,932	1,288	-	921
40	4.4	Q(Btu/h)	30,720	26,240	19,680	13,120	-	12,054	32,000	27,424	20,568	13,712	-	12,598	33,280	28,768	21,576	14,384	-	13,215
		W	3,272	2,767	2,076	1,384	-	990	3,000	2,603	1,952	1,302	-	931	2,788	2,411	1,808	1,206	-	862
35	1.7	Q(Btu/h)	30,720	22,720	17,040	11,360	-	10,437	32,000	25,280	18,960	12,640	-	11,613	33,280	26,880	20,160	13,440	-	12,348
		W	3,488	2,608	1,956	1,304	-	933	3,327	2,444	1,833	1,222	-	874	3,112	2,252	1,689	1,126	-	806
30	-1.1	Q(Btu/h)	30,720	21,760	16,320	10,880	-	9,996	32,000	22,912	17,184	11,456	-	10,525	33,280	23,872	17,904	11,936	-	10,966
		W	4,105	2,378	1,784	1,189	-	851	3,944	2,214	1,660	1,107	-	792	3,729	2,022	1,517	1,011	-	723
25	-3.9	Q(Btu/h)	30,720	20,800	15,600	10,400	-	9,555	32,000	21,952	16,464	10,976	-	10,084	33,280	22,912	17,184	11,456	-	10,525
		W	4,453	2,069	1,552	1,034	-	740	4,293	1,904	1,428	952	-	681	4,078	1,713	1,284	856	-	613
20	-6.7	Q(Btu/h)	30,720	19,840	14,880	9,920	-	9,114	32,000	20,992	15,744	10,496	-	9,643	33,280	21,952	16,464	10,976	-	10,084
		W	4,695	2,028	1,521	1,014	-	725	4,534	1,863	1,397	932	-	666	4,319	1,671	1,254	836	-	598
15	-9.4	Q(Btu/h)	30,720	19,360	14,520	9,680	-	8,894	32,000	20,512	15,384	10,256	-	9,423	33,280	21,472	16,104	10,736	-	9,864
		W	4,910	1,932	1,449	966	-	691	4,749	1,767	1,325	884	-	632	4,534	1,576	1,182	788	-	564
10	-12.2	Q(Btu/h)	30,720	18,624	13,968	9,312	-	8,555	32,000	19,776	14,832	9,888	-	9,085	33,280	20,736	15,552	10,368	-	9,526
		W	5,044	1,786	1,340	893	-	639	4,883	1,622	1,217	811	-	580	4,668	1,430	1,073	715	-	512
5	-15.0	Q(Btu/h)	30,720	18,224	13,668	9,112	-	8,372	32,000	19,376	14,532	9,688	-	8,901	33,280	20,336	15,252	10,168	-	9,342
		W	5,151	1,780	1,335	890	-	637	4,990	1,616	1,212	808	-	578	4,775	1,424	1,068	712	-	509
0	-17.8	Q(Btu/h)	28,960	17,920	13,440	8,960	-	8,232	30,240	19,072	14,304	9,536	-	8,761	31,520	20,032	15,024	10,016	-	9,202
		W	5,205	1,784	1,338	892	-	638	5,044	1,620	1,215	810	-	579	4,829	1,428	1,071	714	-	511
-4	-20.0	Q(Btu/h)	27,488	17,728	13,296	8,864	-	8,144	28,768	18,880	14,160	9,440	-	8,673	30,048	19,840	14,880	9,920	-	9,114
		W	5,231	1,766	1,325	883	-	632	5,071	1,602	1,202	801	-	573	4,856	1,410	1,058	705	-	504
-13	-25.0	Q(Btu/h)	24,320	17,561	13,171	8,780	-	8,067	25,600	18,713	14,035	9,356	-	8,596	26,880	19,673	14,755	9,836	-	9,037
		W	5,258	1,738	1,304	869	-	622	5,097	1,574	1,181	787	-	563	4,883	1,382	1,037	691	-	494

*** Above data is for heating operation without any frost.**

PEAD-A36AA7
SUZ-KA36NAHZ

1) COOLING

Rated
Q(Btu/h): 33,000
W: 2,490

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
115	46.1	Q(Btu/h)	36,288	33,264	24,948	16,632	-	15,725	33,480	30,690	23,018	15,345	-	14,508	31,428	28,809	21,607	14,405	-	13,619
		W	3,477	3,038	2,278	1,519	-	1,366	3,363	2,938	2,204	1,469	-	1,322	3,278	2,864	2,148	1,432	-	1,288
110	43.3	Q(Btu/h)	38,124	34,947	26,210	17,474	-	16,520	35,316	32,373	24,280	16,187	-	15,304	33,264	30,492	22,869	15,246	-	14,414
		W	3,300	2,883	2,163	1,442	-	1,297	3,186	2,784	2,088	1,392	-	1,252	3,101	2,709	2,032	1,355	-	1,219
105	40.6	Q(Btu/h)	38,916	35,673	26,755	17,837	-	16,864	36,108	33,099	24,824	16,550	-	15,647	34,056	31,218	23,414	15,609	-	14,758
		W	3,189	2,786	2,090	1,393	-	1,253	3,075	2,687	2,015	1,343	-	1,208	2,990	2,612	1,959	1,306	-	1,175
100	37.8	Q(Btu/h)	39,960	36,630	27,473	18,315	-	17,316	37,152	34,056	25,542	17,028	-	16,099	35,100	32,175	24,131	16,088	-	15,210
		W	3,035	2,652	1,989	1,326	-	1,193	2,921	2,552	1,914	1,276	-	1,148	2,836	2,478	1,858	1,239	-	1,114
95	35.0	Q(Btu/h)	40,824	37,422	28,067	18,711	-	17,690	38,016	34,848	26,136	17,424	-	16,474	35,964	32,967	24,725	16,484	-	15,584
		W	2,913	2,545	1,909	1,272	-	1,145	2,799	2,445	1,834	1,223	-	1,100	2,713	2,370	1,778	1,185	-	1,066
90	32.2	Q(Btu/h)	41,400	37,950	28,463	18,975	-	17,940	38,592	35,376	26,532	17,688	-	16,723	36,540	33,495	25,121	16,748	-	15,834
		W	2,822	2,465	1,849	1,233	-	1,109	2,708	2,366	1,774	1,183	-	1,064	2,622	2,291	1,718	1,145	-	1,030
85	29.4	Q(Btu/h)	41,832	38,346	28,760	19,173	-	18,127	39,024	35,772	26,829	17,886	-	16,910	36,972	33,891	25,418	16,946	-	16,021
		W	2,736	2,390	1,793	1,195	-	1,075	2,622	2,291	1,718	1,145	-	1,030	2,537	2,216	1,662	1,108	-	997
80	26.7	Q(Btu/h)	42,480	38,940	29,205	19,470	-	18,408	39,672	36,366	27,275	18,183	-	17,191	37,620	34,485	25,864	17,243	-	16,302
		W	2,645	2,311	1,733	1,155	-	1,039	2,531	2,211	1,658	1,106	-	995	2,445	2,136	1,602	1,068	-	961
75	23.9	Q(Btu/h)	42,948	39,369	29,527	19,685	-	18,611	40,140	36,795	27,596	18,398	-	17,394	38,088	34,914	26,186	17,457	-	16,505
		W	2,565	2,241	1,681	1,121	-	1,008	2,451	2,141	1,606	1,071	-	963	2,366	2,067	1,550	1,033	-	930
70	21.1	Q(Btu/h)	43,200	39,600	29,700	19,800	-	18,720	40,392	37,026	27,770	18,513	-	17,503	38,340	35,145	26,359	17,573	-	16,614
		W	2,502	2,186	1,640	1,093	-	983	2,388	2,087	1,565	1,043	-	939	2,303	2,012	1,509	1,006	-	905
67	19.4	Q(Btu/h)	43,488	39,864	29,898	19,932	-	18,845	40,680	37,290	27,968	18,645	-	17,628	38,628	35,409	26,557	17,705	-	16,739
		W	2,457	2,146	1,610	1,073	-	965	2,343	2,047	1,535	1,023	-	921	2,257	1,972	1,479	986	-	887

* It may not reach the above capacities in low ambient temperatures.

2) HEATING

Rated
Q(Btu/h): 37,000
W: 2,940

Indoor D.B.			77°F / 25.0°C						68°F / 20.0°C						59°F / 15.0°C					
Outdoor W.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
65	18.3	Q(Btu/h)	51,052	47,223	35,417	23,612	-	22,208	52,532	48,592	36,444	24,296	-	22,851	54,212	50,146	37,610	25,073	-	23,582
		W	4,271	3,851	2,889	1,926	-	1,376	3,977	3,616	2,712	1,808	-	1,292	3,749	3,381	2,536	1,691	-	1,208
60	15.6	Q(Btu/h)	48,200	44,585	33,439	22,293	-	20,967	49,680	45,954	34,466	22,977	-	21,611	51,360	47,508	35,631	23,754	-	22,342
		W	4,108	3,704	2,778	1,852	-	1,323	3,814	3,469	2,602	1,735	-	1,239	3,586	3,234	2,426	1,617	-	1,155
55	12.8	Q(Btu/h)	45,000	41,625	31,219	20,813	-	19,575	46,480	42,994	32,246	21,497	-	20,219	48,160	44,548	33,411	22,274	-	20,950
		W	3,945	3,587	2,690	1,793	-	1,281	3,651	3,352	2,514	1,676	-	1,197	3,423	3,116	2,337	1,558	-	1,113
50	10.0	Q(Btu/h)	42,320	39,146	29,360	19,573	-	18,409	43,800	40,515	30,386	20,258	-	19,053	45,480	42,069	31,552	21,035	-	19,784
		W	3,782	3,425	2,569	1,713	-	1,223	3,488	3,190	2,392	1,595	-	1,139	3,260	2,955	2,216	1,477	-	1,055
45	7.2	Q(Btu/h)	36,445	36,260	27,195	18,130	-	17,052	37,925	37,629	28,222	18,815	-	17,696	39,405	39,183	29,387	19,592	-	18,427
		W	3,619	3,234	2,426	1,617	-	1,155	3,325	2,999	2,249	1,499	-	1,071	3,097	2,764	2,073	1,382	-	987
40	4.4	Q(Btu/h)	35,520	30,340	22,755	15,170	-	14,268	37,000	31,709	23,782	15,855	-	14,912	38,480	33,263	24,947	16,632	-	15,643
		W	3,521	2,969	2,227	1,485	-	1,061	3,227	2,793	2,095	1,397	-	998	2,999	2,587	1,940	1,294	-	924
35	1.7	Q(Btu/h)	35,520	26,270	19,703	13,135	-	12,354	37,000	29,230	21,923	14,615	-	13,746	38,480	31,080	23,310	15,540	-	14,616
		W	3,973	2,799	2,099	1,399	-	1,000	3,790	2,622	1,967	1,311	-	937	3,545	2,417	1,813	1,208	-	863
30	-1.1	Q(Btu/h)	35,520	25,160	18,870	12,580	-	11,832	37,000	26,492	19,869	13,246	-	12,458	38,480	27,602	20,702	13,801	-	12,980
		W	4,676	2,552	1,914	1,276	-	911	4,493	2,376	1,782	1,188	-	848	4,248	2,170	1,627	1,085	-	775
25	-3.9	Q(Btu/h)	35,520	24,050	18,038	12,025	-	11,310	37,000	25,382	19,037	12,691	-	11,936	38,480	26,492	19,869	13,246	-	12,458
		W	5,073	2,220	1,665	1,110	-	793	4,890	2,043	1,532	1,022	-	730	4,646	1,838	1,378	919	-	656
20	-6.7	Q(Btu/h)	35,520	22,940	17,205	11,470	-	10,788	37,000	24,272	18,204	12,136	-	11,414	38,480	25,382	19,037	12,691	-	11,936
		W	5,348	2,176	1,632	1,088	-	777	5,165	1,999	1,499	1,000	-	714	4,921	1,793	1,345	897	-	641
15	-9.4	Q(Btu/h)	35,520	22,385	16,789	11,193	-	10,527	37,000	23,717	17,788	11,859	-	11,153	38,480	24,827	18,620	12,414	-	11,675
		W	5,593	2,073	1,555	1,036	-	740	5,410	1,896	1,422	948	-	677	5,165	1,691	1,268	845	-	604
10	-12.2	Q(Btu/h)	35,520	21,534	16,151	10,767	-	10,127	37,000	22,866	17,150	11,433	-	10,753	38,480	23,976	17,982	11,988	-	11,275
		W	5,746	1,917	1,438	958	-	685	5,562	1,740	1,305	870	-	622	5,318	1,535	1,151	767	-	548
5	-15.0	Q(Btu/h)	35,520	21,072	15,804	10,536	-	9,909	37,000	22,404	16,803	11,202	-	10,536	38,480	23,514	17,635	11,757	-	11,058
		W	5,868	1,910	1,433	955	-	682	5,685	1,734	1,300	867	-	619	5,440	1,528	1,146	764	-	546
0	-17.8	Q(Btu/h)	33,485	20,720	15,540	10,360	-	9,744	34,965	22,052	16,539	11,026	-	10,370	36,445	23,162	17,372	11,581	-	10,892
		W	5,929	1,915	1,436	957	-	684	5,746	1,738	1,304	869	-	621	5,501	1,532	1,149	766	-	547
-4	-20.0	Q(Btu/h)	31,783	20,498	15,374	10,249	-	9,640	33,263	21,830	16,373	10,915	-	10,266	34,743	22,940	17,205	11,470	-	10,788
		W	5,960	1,895	1,422	948	-	677	5,776	1,719	1,289	859	-	614	5,532	1,513	1,135	757	-	540
-13	-25.0	Q(Btu/h)	28,120	20,305	15,228	10,152	-	9,549	29,600	21,637	16,227	10,818	-	10,175	31,080	22,747	17,060	11,373	-	10,697
		W	5,990	1,865	1,399	933	-	666	5,807	1,689	1,267	844	-	603	5,562	1,483	1,112	742	-	530

*** Above data is for heating operation without any frost.**

A.7 MULTI-POSITION AIR HANDLER (SVZ)

A.7.1 SPECIFICATIONS A-630
A.7.1.1 SUZ series A-630
A.7.1.2 H2i SUZ series A-632
A.7.2 OUTLINES AND DIMENSIONS A-634
A.7.3 WIRING DIAGRAM A-635
A.7.4 REFRIGERANT SYSTEM DIAGRAM A-636
A.7.5 PERFORMANCE DATA A-637
A.7.5.1 SUZ series A-637
A.7.5.2 H2i SUZ series A-648
A.7.6 NOISE CRITERIA CURVES A-659
A.7.7 FAN PERFORMANCE A-664
A.7.8 CENTER OF GRAVITY POSITION A-671
A.7.9 PART LOAD CAPACITY CHART A-672
A.7.9.1 SUZ series A-672
A.7.9.2 H2i SUZ series A-677

A.7.1 SPECIFICATIONS

A.7.1.1 SUZ series

Model name	Indoor unit		SVZ-KP12NA	SVZ-KP18NA	SVZ-KP24NA
	Outdoor unit		SUZ-KA12NA2	SUZ-KA18NA2	SUZ-KA24NA2
Cooling *1	Rated Capacity	Btu/h	12,000	18,000	24,000
	Capacity Range	Btu/h	4,300-12,000	6,200-18,000	12,400-24,000
	Total input	W	940	1,360	1,920
	Energy Efficiency	EER	12.7	13.2	12.5
		SEER	18.0	18.0	18.0
	Moisture Removal	Pints/h	1.2	2.4	4.1
	Sensible Heat Factor		0.89	0.85	0.81
Heating at 47°F *1	Rated Capacity	Btu/h	15,000	21,600	25,000
	Capacity Range	Btu/h	4,700-16,700	8,300-26,000	14,600-28,000
	Total input	W	1,210	1,600	1,910
	HSPF(Region IV)	Btu/h/W	12.1(11.5)	12.6(12.2)	10.4(10.1)
Heating at 17°F *2	Rated Capacity	Btu/h	9,900	14,000	14,600
	Rated Total input	W	1,120(1,250)	1,460(1,580)	1,590(1,710)
	Maximum Capacity	Btu/h	9,900	14,000	14,600
	Maximum Total Input	W	1,120(1,250)	1,460(1,580)	1,590(1,710)
Power supply	Voltage, Phase, Cycle		208/230V, 1-phase, 60Hz		
Voltage	Indoor - Outdoor S1-S2		AC 208/230V		
	Indoor - Outdoor S2-S3		DC12-24V		
	Indoor - Remote controller		DC12V		
Indoor unit	MCA	A	3.0		
	Fan Motor	F.L.A	2.4		
	Fan Motor Output	W	121		
	Air flow (Lo-Mid-Hi)	DRY(CFM)	278-381-448	471-573-675	515-625-735
		WET(CFM)	–		
	External Static Pressure	in WG	0.3 - 0.5 - 0.8		
	Sound Pressure Level (Lo-Mid-Hi)	dB (A)	29-36-39	33-36-41	
	External Finish Color		BLACK		
	Dimensions	W: in	17		
		D: in	21-5/8		
		H: in	39-13/16		
	Weight Unit	lbs	93		
	Field Drainpipe O.D.	in	O.D. 3/4		
	Refrigerant pipe Gas	in	3/8	1/2	5/8
	Refrigerant pipe Liquid	in	1/4	1/4	3/8
Outdoor unit	MCA	A	9	14	17
	MOCP	A	16	24	31
	Fan Motor	F.L.A.	0.50	0.67	1.00
	Compressor	Model(Type)	DC INVERTER-driven Twin Rotary		
		R.L.A.	6.6	10	13.0
		L.R.A.	8.2	12.5	16.0
	Air flow (Cooling/ Heating)	CFM	(1,229/1,172)	(1,691/1,691)	(2,020/1,930)
	Refrigerant Control		Linear Expansion Valve		
	Defrost Method		Reverse Cycle		
	SPL (Cooling)	dB (A)	49	54	55
	SPL (Heating)	dB (A)	51	55	55
	External Finish Color		Munsell No.3Y 7.8/1.1		
	Dimension	W: in	31-1/2	33-1/16	
		D: in	11-1/4	13	
		H: in	21-5/8	34-5/8	
	Weight	lbs	81	127	129
Remote Controller	Type		Wired Remote Controller		
Refrigerant	Type		R410A		
	Charge	lbs, oz	2,9	3,9	4,14
	Oil	Type(Fl.oz)	FV50S(11.8)		FV50S(15.6)
Refrigerant Pipe	Gas side O.D.	in	3/8	1/2	5/8
	Liquid side O.D.	in	1/4	1/4	3/8
	Height Difference (Max)	ft	40	50	100
	Length (Max.)	ft	65	100	100
Connection Method	Indoor/Outdoor		Flared/Flared		
Operation Guarantee	Cooling	°F(°C)	14(-10) to 115(46)		
	Heating	°F(°C)	-4(-20) to 75(24)		14(-10) to 75(24)

NOTES : *1.Rating conditions (cooling)-Indoor : D.B. 26.7°C(80°F), W.B. 19.4°C(67°F) Outdoor : D.B. 35°C(95°F), W.B. 23.9°C(75°F)
(heating)-Indoor : D.B. 21.1°C(70°F), W.B. 15.6°C(60°F) Outdoor : D.B. 8.3°C(47°F), W.B. 6.1°C(43°F)
*2.Rating conditions (heating)-Indoor : D.B. 21.1°C(70°F), W.B. 15.6°C(60°F) Outdoor : D.B. -8.3°C(17°F), W.B. -9.4°C(15°F)

Operating range

		Indoor intake air temperature	Outdoor intake air temperature(SUZ-KA18NA(H)2.TH)	Outdoor intake air temperature(SUZ-KA24/30/36NA(H)2.TH)
Cooling	Maximum	D.B. 35°C(95°F), W.B. 21.7°C(71°F)	D.B. 46°C(115°F)	D.B. 46°C(115°F)
	Minimum	D.B. 19.4°C(67°F), W.B. 13.9°C(57°F)	D.B. -10°C(14°F)	D.B. -10°C(14°F)
Heating	Maximum	D.B. 26.7°C(80°F), W.B. 19.4°C(67°F)	D.B. 24°C(75°F), W.B. 18°C(65°F)	D.B. 24°C(75°F), W.B. 18°C(65°F)
	Minimum	D.B. 21.1°C(70°F), W.B. 15.6°C(60°F)	D.B. -20°C(-4°F), W.B. -21°C(-5°F)	D.B. -10°C(14°F), W.B. -11°C(12°F)

Model name	Indoor unit		SVZ-KP30NA	SVZ-KP36NA
	Outdoor unit		SUZ-KA30NA2	SUZ-KA36NA2
Cooling *1	Rated Capacity	Btu/h	27,000	33,000
	Capacity Range	Btu/h	13,500-27,000	11,600-33,000
	Total input	W	2,160	3,720
	Energy Efficiency	EER	12.5	8.8
		SEER	18.0	16.0
	Moisture Removal	Pints/h	2.4	4.7
	Sensible Heat Factor		0.90	0.84
Heating at 47°F *1	Rated Capacity	Btu/h	30,000	33,500
	Capacity Range	Btu/h	12,640-33,000	13,260-36,000
	Total input	W	2,060	3,030
	HSPF(Region IV)	Btu/h/W	13.6(13.4)	11.7(11.6)
Heating at 17°F *2	Rated Capacity	Btu/h	21,400	23,200
	Rated Total input	W	1,950(2,070)	2,710(2,830)
	Maximum Capacity	Btu/h	21,400	23,200
	Maximum Total Input	W	1,950(2,070)	2,710(2,830)
Power supply	Voltage, Phase, Cycle		208/230V, 1-phase, 60Hz	
Voltage	Indoor - Outdoor S1-S2		AC 208/230V	
	Indoor - Outdoor S2-S3		DC12-24V	
	Indoor - Remote controller		DC12V	
Indoor unit	MCA	A	4.13	
	Fan Motor	F.L.A	3.3	
	Fan Motor Output	W	244	
	Air flow (Lo-Mid-Hi)	DRY(CFM)	613-744-875	767-910-910
		WET(CFM)	–	
	External Static Pressure	in WG	0.3 - 0.5 - 0.8	
	Sound Pressure Level (Lo-Mid-Hi)	dB (A)	32-37-41	35-40-42
	External Finish Color		BLACK	
	Dimensions	W: in	21	
		D: in	21-5/8	
		H: in	43-3/4	
	Weight Unit	lbs	119	
	Field Drainpipe O.D.	in	O.D. 3/4	
	Refrigerant pipe Gas	in	5/8	
	Refrigerant pipe Liquid	in	3/8	
Outdoor unit	MCA	A	17	
	MOCP	A	31	
	Fan Motor	F.L.A.	1.00	
	Compressor	Model(Type)	DC INVERTER-driven Twin Rotary	
		R.L.A.	13.0	
		L.R.A.	16.0	
	Air flow (Cooling/ Heating)	CFM	(2,020/1,930)	
	Refrigerant Control		Linear Expansion Valve	
	Defrost Method		Reverse Cycle	
	SPL (Cooling)	dB (A)	55	
	SPL (Heating)	dB (A)	55	
	External Finish Color		Munsell No.3Y 7.8/1.1	
	Dimension	W: in	33-1/16	
		D: in	13	
		H: in	34-5/8	
	Weight	lbs	129	
Remote Controller	Type		Wired Remote Controller	
Refrigerant	Type		R410A	
	Charge	lbs, oz	4,14	
	Oil	Type(Fl.oz)	FV50S(15.6)	
Refrigerant Pipe	Gas side O.D.	in	5/8	
	Liquid side O.D.	in	3/8	
	Height Difference (Max)	ft	100	
	Length (Max.)	ft	100	
Connection Method	Indoor/Outdoor		Flared/Flared	
Operation Guarantee	Cooling	°F(°C)	14(-10) to 115(46)	
	Heating	°F(°C)	14(-10) to 75(24)	

NOTES : *1.Rating conditions (cooling)-Indoor : D.B. 26.7°C(80°F), W.B. 19.4°C(67°F) Outdoor : D.B. 35°C(95°F), W.B. 23.9°C(75°F)
(heating)-Indoor : D.B. 21.1°C(70°F), W.B. 15.6°C(60°F) Outdoor : D.B. 8.3°C(47°F), W.B. 6.1°C(43°F)
*2.Rating conditions (heating)-Indoor : D.B. 21.1°C(70°F), W.B. 15.6°C(60°F) Outdoor : D.B. -8.3°C(17°F), W.B. -9.4°C(15°F)

Operating range

		Indoor intake air temperature	Outdoor intake air temperature(SUZ-KA18NA(H)2.TH)	Outdoor intake air temperature(SUZ-KA24/30/36NA(H)2.TH)
Cooling	Maximum	D.B. 35°C(95°F), W.B. 21.7°C(71°F)	D.B. 46°C(115°F)	D.B. 46°C(115°F)
	Minimum	D.B. 19.4°C(67°F), W.B. 13.9°C(57°F)	D.B. -10°C(14°F)	D.B. -10°C(14°F)
Heating	Maximum	D.B. 26.7°C(80°F), W.B. 19.4°C(67°F)	D.B. 24°C(75°F), W.B. 18°C(65°F)	D.B. 24°C(75°F), W.B. 18°C(65°F)
	Minimum	D.B. 21.1°C(70°F), W.B. 15.6°C(60°F)	D.B. -20°C(-4°F), W.B. -21°C(-5°F)	D.B. -10°C(14°F), W.B. -11°C(12°F)

A.7.1.2 H2i SUZ series

Model name	Indoor unit		SVZ-KP12NA	SVZ-KP18NA	SVZ-KP24NA
	Outdoor unit		SUZ-KA12NAHZ	SUZ-KA18NAHZ	SUZ-KA24NAHZ
Cooling *1	Rated Capacity	Btu/h	12,000	18,000	24,000
	Capacity Range	Btu/h	5,600-12,000	9,360-18,000	8,800-24,000
	Total input	W	860	1,440	2,420
	Energy Efficiency	EER	13.9	12.5	9.9
		SEER	19.0	18.4	16.0
	Moisture Removal	Pints/h	0.8	1.1	4.7
	Sensible Heat Factor		0.92	0.93	0.78
Heating at 47°F *1	Rated Capacity	Btu/h	15,000	21,600	23,000
	Capacity Range	Btu/h	7,700-18,000	8,800-28,000	9,400-28,800
	Total input	W	1,130	1,880	2,140
	HSPF(Region IV)	Btu/h/W	10.2	10.4	9.2
Heating at 17°F *2	Rated Capacity	Btu/h	8,900	14,300	19,200
	Rated Total input	W	1,000	1,810	2,566
	Maximum Capacity	Btu/h	15,000	21,600	23,000
	Maximum Total Input	W	1,690	2,740	3,700
Power supply	Voltage, Phase, Cycle		1-phase, 60Hz, 208/230V		
Voltage	Indoor - Outdoor S1-S2		AC 208/230V		
	Indoor - Outdoor S2-S3		DC12-24V		
	Indoor - Remote controller		DC12V		
Indoor unit	MCA	A	3.00		
	Fan Motor	F.L.A	2.4		
	Fan Motor Output	W	121		
	Air flow (Lo-Mid-Hi)	DRY(CFM)	278-381-448	471-573-675	515-625-735
		WET(CFM)	-		464-563-662
	External Static Pressure	in WG	0.3 - 0.5 - 0.8		
	Sound Pressure Level (Lo-Mid-Hi)	dB (A)	29-36-39	31-35-39	33-36-41
	External Finish Color		BLACK		Munsell No.1.0Y 9.2/0.2
	Dimensions	W: in	17		
		D: in	21-5/8		
		H: in	39-13/16		
	Weight Unit	lbs	93		
	Field Drainpipe O.D.	in	O.D. 3/4		
	Refrigerant pipe Gas	in	3/8	1/2	3/8
	Refrigerant pipe Liquid	in	1/4		5/8
Outdoor unit	MCA	A	14	17	
	MOCP	A	24	31	27
	Fan Motor	F.L.A.	0.67	1.00	-
	SCCR	A	-	-	5
	Inverter input	A	-	-	10
	Compressor	Model(Type)	DC INVERTER-driven Twin Rotary		DNB28FBAMT
		R.L.A.	10.0	13.0	-
		L.R.A.	12.5	16.0	-
	Air flow (Cooling/ Heating)	CFM	(1,691/1,691)	(2,020/1,930)	(1,940/1,940)
	Refrigerant Control		Linear Expansion Valve		Electronic Expansion Valve
	Defrost Method		Reverse Cycle		
	SPL (Cooling)	dB (A)	54	55	52
	SPL (Heating)	dB (A)	55	55	53
	External Finish Color		Munsell No.3Y 7.8/1.1		
	Dimension	W: in	33-1/16		37-13/32
		D: in	13		12-63/64+63/64
		H: in	34-5/8		37-1/8
	Weight	lbs	129	131	86
Remote Controller	Type		Wired Remote Controller		Attached in indoor unit
Refrigerant	Type		R410A		
	Charge	lbs, oz	3,9	4,14	7,11
	Oil	Type(Fl.oz.)	FV50S(22.0)	FV50S(23.7)	FVC68D(34 oz)
Refrigerant Pipe	Gas side O.D.	in	3/8	1/2	5/8
	Liquid side O.D.	in	1/4		3/8
	Height Difference (Max)	ft	40	50	100
	Length (Max.)	ft	65	100	100
Connection Method	Indoor/Outdoor		Flared/Flared		
Operation Guarantee	Cooling	°F(°C)	14(-10) to 115(46)		*0(-18) - 115(46)
	Heating	°F(°C)	-13(-25) to 75(24)		

* In case that the wind baffle is installed. (In case that the wind baffle is not installed, the minimum temperature will be 23°F DB.

NOTES : *1.Rating conditions (cooling)-Indoor : D.B. 26.7℃(80°F), W.B. 19.4℃(67°F) Outdoor : D.B. 35℃(95°F), W.B. 23.9℃(75°F)
(heating)-Indoor : D.B. 21.1℃(70°F), W.B. 15.6℃(60°F) Outdoor : D.B. 8.3℃(47°F), W.B. 6.1℃(43°F)
*2.Rating conditions (heating)-Indoor : D.B. 21.1℃(70°F), W.B. 15.6℃(60°F) Outdoor : D.B. -8.3℃(17°F), W.B. -9.4℃(15°F)

Operating range

		Indoor intake air temperature	Outdoor intake air temperature
Cooling	Maximum	D.B. 35℃(95°F), W.B. 21.7℃(71°F)	D.B. 46℃(115°F)
	Minimum	D.B. 19.4℃(67°F), W.B. 13.9℃(57°F)	D.B. -10℃(14°F)
Heating	Maximum	D.B. 26.7℃(80°F), W.B. 19.4℃(67°F)	D.B. 24℃(75°F), W.B. 18℃(65°F)
	Minimum	D.B. 21.1℃(70°F), W.B. 15.6℃(60°F)	D.B. -25℃(-13°F), W.B. -26℃(-14°F)

Model name	Indoor unit		SVZ-KP30NA	SVZ-KP36NA
	Outdoor unit		SUZ-KA30NAHZ	SUZ-KA36NAHZ
Cooling *1	Rated Capacity	Btu/h	27,000	36,000
	Capacity Range	Btu/h	13,400-27,000	14,200-36,000
	Total input	W	2100	3,760
	Energy Efficiency	EER	12.5	9.5
		SEER	15.0	16.0
	Moisture Removal	Pints/h	4.1	8.4
	Sensible Heat Factor		0.83	0.74
Heating at 47°F *1	Rated Capacity	Btu/h	32,000	37,000
	Capacity Range	Btu/h	13,000-34,000	13,800-40,000
	Total input	W	2,400	3,280
	HSPF(Region IV)	Btu/h/W	9.0	9.0
Heating at 17°F *2	Rated Capacity	Btu/h	21,400	32,800
	Rated Total input	W	2,750	4,230
	Maximum Capacity	Btu/h	32,000	37,000
	Maximum Total Input	W	3,970	5,800
Power supply	Voltage, Phase, Cycle		1-phase, 60Hz, 208/230V	
Voltage	Indoor - Outdoor S1-S2		AC 208/230V	
	Indoor - Outdoor S2-S3		DC12-24V	
	Indoor - Remote controller		DC12V	
Indoor unit	MCA	A	4.13	
	Fan Motor	F.L.A	3.3	
	Fan Motor Output	W	244	
	Air flow (Lo-Mid-Hi)	DRY(CFM)	613-744-875	767-910-910
		WET(CFM)	552-670-788	690-819-819
	External Static Pressure	in WG	0.3-0.5-0.8	
	Sound Pressure Level (Lo-Mid-Hi)	dB (A)	32-37-41	35-40-42
	External Finish Color		Munsell No.1.0Y 9.2/0.2	
	Dimensions	W: in	21	
		D: in	21-5/8	
		H: in	43-3/4	
	Weight Unit	lbs	119	
	Field Drainpipe O.D.	in	3/4	
	Refrigerant pipe Gas	in	3/8	
	Refrigerant pipe Liquid	in	5/8	
Outdoor unit	MCA	A	24	26
	MOCP	A	40	42
	SCCR	A	5	
	Inverter input	A	16	
	Compressor	Model(Type)	ANB33FJMMT	
	Air flow (Cooling/ Heating)	CFM	3,880/3,880	
	Refrigerant Control		Electronic Expansion Valve	
	Defrost Method		Reverse Cycle	
	SPL (Cooling)	dB (A)	52	
	SPL (Heating)	dB (A)	53	
	External Finish Color		Munsell No.3Y 7.8/1.1	
	Dimension	W: in	41-11/32	
		D: in	12-63/64+63/64	
		H: in	52-43/64	
	Weight	lbs	118	
Remote Controller	Type		Attached in indoor unit	
Refrigerant	Type		R410A	
	Charge	lbs, oz	11,7	
	Oil	Type(Fl.oz.)	FV50S(47 oz)	
Refrigerant Pipe	Gas side O.D.	in	5/8	
	Liquid side O.D.	in	3/8	
	Height Difference (Max)	ft	100	
	Length (Max.)	ft	100	
Connection Method	Indoor/Outdoor		Flared/Flared	
Operation Guarantee	Cooling	°F(°C)	*0(-18) - 115(46)	
	Heating	°F(°C)	-13(-25) to 75(24)	

* In case that the wind baffle is installed. (In case that the wind baffle is not installed, the minimum temperature will be 23°F DB.

NOTES : *1.Rating conditions (cooling)-Indoor : D.B. 26.7℃(80°F), W.B. 19.4℃(67°F) Outdoor : D.B. 35℃(95°F), W.B. 23.9℃(75°F)
(heating)-Indoor : D.B. 21.1℃(70°F), W.B. 15.6℃(60°F) Outdoor : D.B. 8.3℃(47°F), W.B. 6.1℃(43°F)
*2.Rating conditions (heating)-Indoor : D.B. 21.1℃(70°F), W.B. 15.6℃(60°F) Outdoor : D.B. -8.3℃(17°F), W.B. -9.4℃(15°F)

Operating range

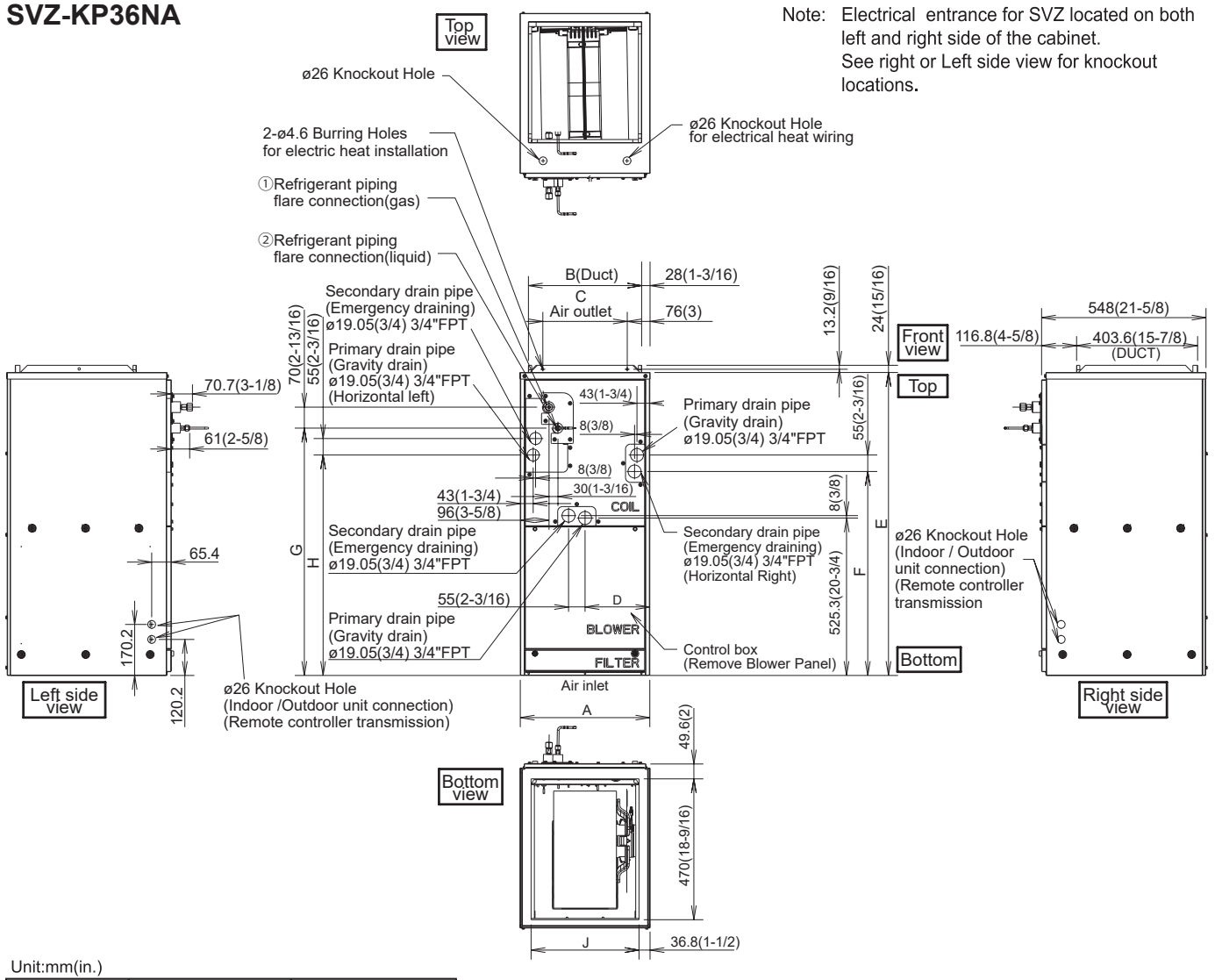
		Indoor intake air temperature	Outdoor intake air temperature
Cooling	Maximum	D.B. 35℃(95°F), W.B. 21.7℃(71°F)	D.B. 46℃(115°F)
	Minimum	D.B. 19.4℃(67°F), W.B. 13.9℃(57°F)	D.B. -10℃(14°F)
Heating	Maximum	D.B. 26.7℃(80°F), W.B. 19.4℃(67°F)	D.B. 24℃(75°F), W.B. 18℃(65°F)
	Minimum	D.B. 21.1℃(70°F), W.B. 15.6℃(60°F)	D.B. -25℃(-13°F), W.B. -26℃(-14°F)

A.7.2 OUTLINES AND DIMENSIONS

SVZ-KP12NA
SVZ-KP18NA
SVZ-KP24NA
SVZ-KP30NA
SVZ-KP36NA

Unit : mm(in.)

Note: Electrical entrance for SVZ located on both left and right side of the cabinet.
See right or Left side view for knockout locations.



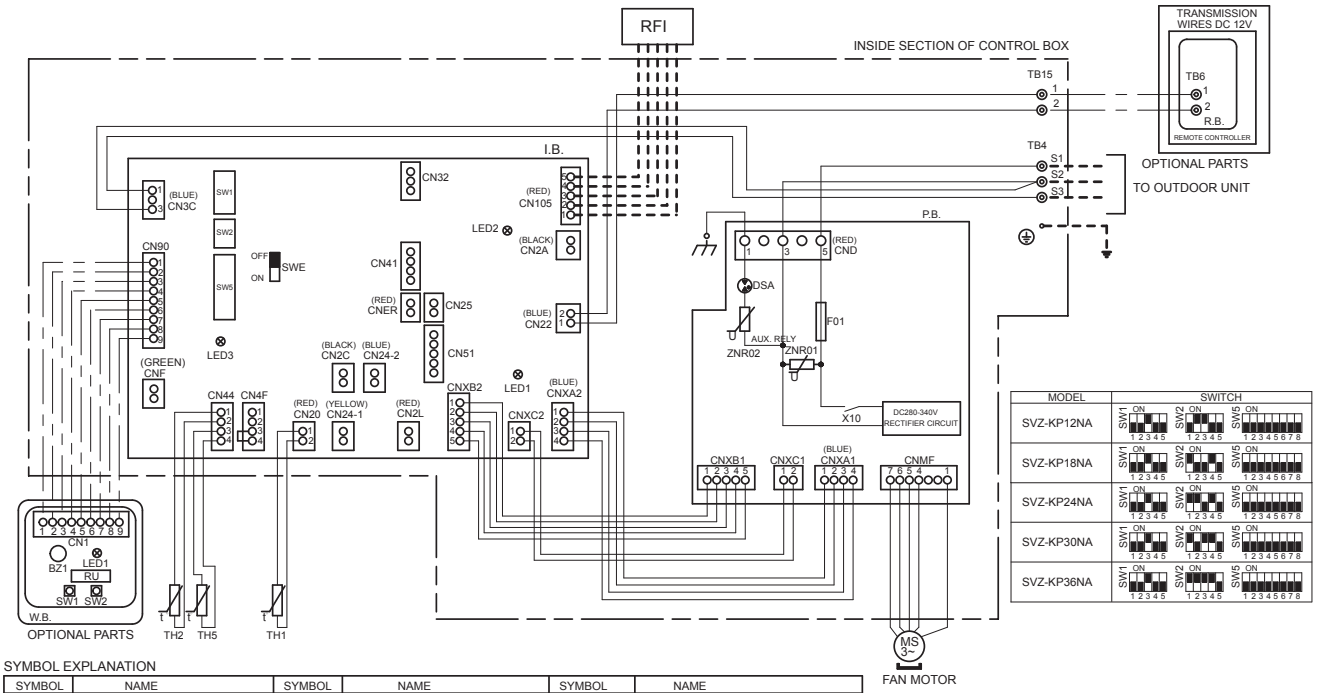
Unit:mm(in.)

Model	Nominal Filter Size	Duct Connection
SVZ-KP12NA	508 x 406.4 x 25.4 (20 x 16 x 1)	376 x 402 (14-13/16 x 15-7/8)
SVZ-KP18NA		
SVZ-KP24NA		
SVZ-KP30NA	508 x 508 x 25.4 (20 x 20 x 1)	477 x 402 (18-13/16 x 15-7/8)
SVZ-KP36NA		

Model	A	B	C	D	E	F	G	H	J	Gas Pipe	Liquid pipe
SVZ-KP12NA	432 (17)	376 (14-13/16)	281 (11-1/8)	224 (8-7/8)	1,010.8 (39-13/16)	680 (26-13/16)	823 (32-7/16)	735.5 (29)	360 (14-3/16)	ø 9.52 (3/8)	ø 6.35 (1/4)
SVZ-KP18NA										ø 12.7 (1/2)	
SVZ-KP24NA										ø 15.88 (5/8)	ø 9.52 (3/8)
SVZ-KP30NA	534 (21)	477 (18-13/16)	382.6 (15-1/8)	266.5 (10-1/2)	1,113.8 (43-7/8)	737 (29-1/16)	953.5 (37-9/16)	792 (31-3/16)	461 (18-3/16)		
SVZ-KP36NA											

A.7.3 WIRING DIAGRAM

SVZ-KP12NA
SVZ-KP18NA
SVZ-KP24NA
SVZ-KP30NA
SVZ-KP36NA



MODEL	SWITCH
SVZ-KP12NA	SW1 SW2 SW5
SVZ-KP18NA	SW1 SW2 SW5
SVZ-KP24NA	SW1 SW2 SW5
SVZ-KP30NA	SW1 SW2 SW5
SVZ-KP36NA	SW1 SW2 SW5

SYMBOL EXPLANATION

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
I.B.	INDOOR CONTROLLER BOARD	I.B.	INDOOR CONTROLLER BOARD	OPTIONAL PARTS	
CN24-1	CONNECTOR (HEATER CONTROL 1ST)	SW1	SWITCH (FOR MODEL SELECTION)	W.B.	IR WIRELESS REMOTE CONTROLLER BOARD
CN24-2	CONNECTOR (HEATER CONTROL 2ND)	SW2	SWITCH (FOR CAPACITY CODE)	RU	RECEIVING UNIT
CN25	CONNECTOR (HUMIDITY OUTPUT)	SW5	SWITCH (FOR MODE SELECTION)	BZ1	BUZZER
CN2A	CONNECTOR (0-10V ANALOG INPUT)	SWE	CONNECTOR (EMERGENCY OPERATION)	LED1	LED(RUN INDICATOR)
CN2C	CONNECTOR (ERV OUTPUT)	P.B.	POWER SUPPLY BOARD	SW1	SWITCH(HEATING ON/OFF)
CN2L	CONNECTOR (LOSSNAY)	F01	FUSE AC250V 6.3A	SW2	SWITCH(COOLING ON/OFF)
CN32	CONNECTOR (REMOTE SWITCH)	ZNR01,02	VARISTOR	R.B.	WIRED REMOTE CONTROLLER BOARD
CN41	CONNECTOR (HA TERMINAL-A)	DSA	ARRESTOR	TB6	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)
CN51	CONNECTOR (CENTRALLY CONTROL)	X10	AUX. RELY		
CN90	CONNECTOR (WIRELESS)	TH1	INTAKE AIR TEMP. THERMISTOR		
CN105	CONNECTOR (RADIO FREQUENCY INTERFACE	TH2	PIPE TEMP. THERMISTOR/LIQUID		
CNER	CONNECTOR (ERV INPUT)	TH5	COND./EVA.TEMP. THERMISTOR		
CNF	CONNECTOR (HUMIDITY INPUT)	TB4	TERMINAL BLOCK (INDOOR/OUTDOOR CONNECTING LINE)		
LED1	LED(POWER SUPPLY)				
LED2	LED(REMOTE CONTROLLER SUPPLY)	TB15	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)		
LED3	LED(TRANSMISSION INDOOR-OUTDOOR)				
		RFI	RADIO FREQUENCY INTERFACE FOR RF THERMOSTAT		

Note1.Since the outdoor side electric wiring may change be sure to check the outdoor unit electric wiring for servicing.
2.Indoor and outdoor connecting wires are made with polarities,make wiring matching terminal numbers (S1,S2,S3).
3.Symbols used in wiring diagram above are as follows.
:CONNECTOR
:TERMINAL
:(HEAVY DOTTED LINE):FIELD WIRING
:(THIN DOTTED LINE):OPTIONAL PARTS
4.Use copper supply wire.
UTILISER DES FILS D'ALIMENTATION EN CUIVRE.

Manipulation Details

1.Performing a test run for fan

To perform a test run for the fan,
turn on the SWE on the control board while the indoor unit is being powered.

Be sure to turn off the SWE after completing a test run.

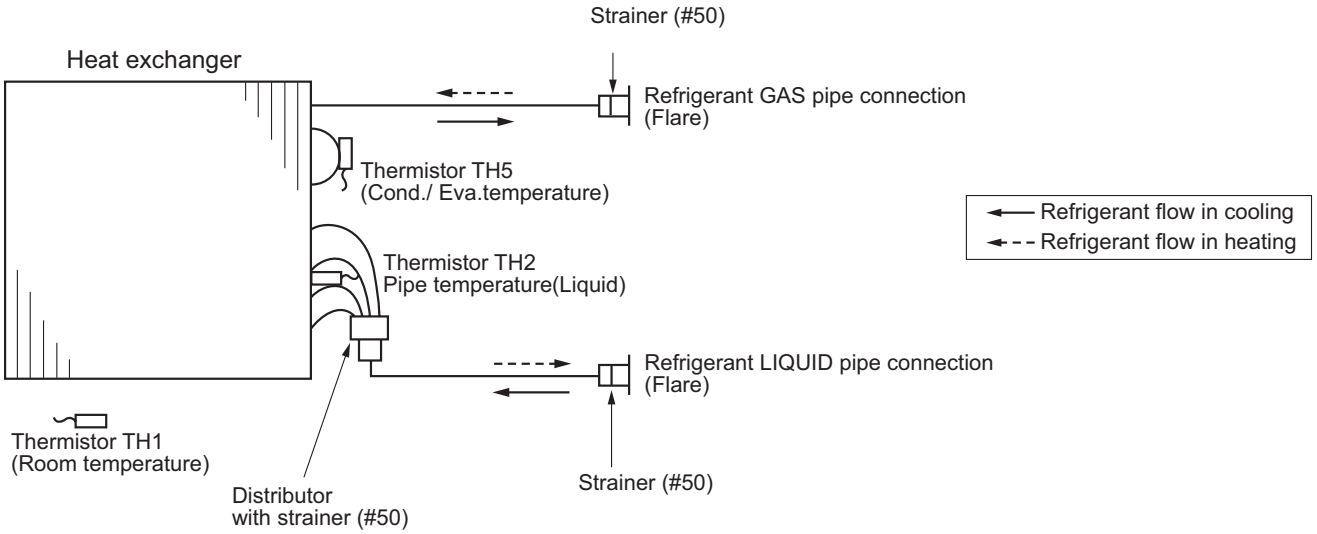
Note) The SWE should not be left turned on for longer than 10 hours.

2.OPERATION of LED for indoor circuit board service

Symbol	LED operation under normal state
LED1	At applying main power source → Lighting
LED2	At receiving MA transmission power source → Lighting
LED3	At transmitting indoor-outdoor units → Flashing

A.7.4 REFRIGERANT SYSTEM DIAGRAM

SVZ-KP12NA
SVZ-KP18NA
SVZ-KP24NA
SVZ-KP30NA
SVZ-KP36NA



A.7.5 PERFORMANCE DATA

A.7.5.1 SUZ series

COOLING operation at Rated frequency

SVZ-KP12NA / SUZ-KA12NA2

CAPACITY : 12000(Btu/h) INPUT :0.94(kW) SHF :0.89

		OUTDOOR DB(°F)															
INDOOR	INDOOR	68				77				86				95			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	12573	9882	0.79	0.62	11826	9295	0.79	0.71	10880	8552	0.79	0.77	9984	7847	0.79	0.84
68	64	13743	9153	0.67	0.69	12996	8655	0.67	0.77	12050	8025	0.67	0.84	11154	7428	0.67	0.90
68	61	12573	10385	0.83	0.62	11826	9768	0.83	0.71	10880	8987	0.83	0.77	9984	8247	0.83	0.84
68	64	13743	9702	0.71	0.69	12996	9175	0.71	0.77	12050	8507	0.71	0.84	11154	7874	0.71	0.90
68	68	14340	8403	0.59	0.73	13743	8053	0.59	0.79	12946	7586	0.59	0.87	12000	7032	0.59	0.94
72	61	12573	11391	0.91	0.62	11826	10714	0.91	0.71	10880	9857	0.91	0.77	9984	9045	0.91	0.84
72	64	13743	10802	0.79	0.69	12996	10215	0.79	0.77	12050	9471	0.79	0.84	11154	8767	0.79	0.90
72	68	14340	9551	0.67	0.73	13743	9153	0.67	0.79	12946	8622	0.67	0.87	12000	7992	0.67	0.94
75	61	12573	12397	0.99	0.62	11826	11660	0.99	0.71	10880	10728	0.99	0.77	9984	9844	0.99	0.84
75	64	13743	11901	0.87	0.69	12996	11254	0.87	0.77	12050	10435	0.87	0.84	11154	9659	0.87	0.90
75	68	14340	10698	0.75	0.73	13743	10252	0.75	0.79	12946	9658	0.75	0.87	12000	8952	0.75	0.94
75	72	15137	9476	0.63	0.76	14639	9164	0.63	0.84	13743	8603	0.63	0.91	12846	8042	0.63	0.98
79	61	12573	12573	1.00	0.62	11826	11826	1.00	0.71	10880	10880	1.00	0.77	9984	9984	1.00	0.84
79	64	13743	13001	0.95	0.69	12996	12294	0.95	0.77	12050	11399	0.95	0.84	11154	10551	0.95	0.90
79	68	14340	11845	0.83	0.73	13743	11352	0.83	0.79	12946	10693	0.83	0.87	12000	9912	0.83	0.94
79	72	15137	10687	0.71	0.76	14639	10335	0.71	0.84	13743	9702	0.71	0.91	12846	9070	0.71	0.98
81	61	12573	12573	1.00	0.62	11826	11826	1.00	0.71	10880	10880	1.00	0.77	9984	9984	1.00	0.84
81	64	13743	13550	0.99	0.69	12996	12814	0.99	0.77	12050	11881	0.99	0.84	11154	10997	0.99	0.90
81	68	14340	12419	0.87	0.73	13743	11901	0.87	0.79	12946	11211	0.87	0.87	12000	10392	0.87	0.94
81	72	15137	11292	0.75	0.76	14639	10921	0.75	0.84	13743	10252	0.75	0.91	12846	9583	0.75	0.98
82	61	12573	12573	1.00	0.62	11826	11826	1.00	0.71	10880	10880	1.00	0.77	9984	9984	1.00	0.84
82	64	13743	13743	1.00	0.69	12996	12996	1.00	0.77	12050	12050	1.00	0.84	11154	11154	1.00	0.90
82	68	14340	12992	0.91	0.73	13743	12451	0.91	0.79	12946	11729	0.91	0.87	12000	10872	0.91	0.94
82	72	15137	11898	0.79	0.76	14639	11506	0.79	0.84	13743	10802	0.79	0.91	12846	10097	0.79	0.98
86	61	12573	12573	1.00	0.62	11826	11826	1.00	0.71	10880	10880	1.00	0.77	9984	9984	1.00	0.84
86	64	13743	13743	1.00	0.69	12996	12996	1.00	0.77	12050	12050	1.00	0.84	11154	11154	1.00	0.90
86	68	14340	14139	0.99	0.73	13743	13550	0.99	0.79	12946	12765	0.99	0.87	12000	11832	0.99	0.94
86	72	15137	13109	0.87	0.76	14639	12677	0.87	0.84	13743	11901	0.87	0.91	12846	11125	0.87	0.98
90	61	12573	12573	1.00	0.62	11826	11826	1.00	0.71	10880	10880	1.00	0.77	9984	9984	1.00	0.84
90	64	13743	13743	1.00	0.69	12996	12996	1.00	0.77	12050	12050	1.00	0.84	11154	11154	1.00	0.90
90	68	14340	14340	1.00	0.73	13743	13743	1.00	0.79	12946	12946	1.00	0.87	12000	12000	1.00	0.94
90	72	15137	14320	0.95	0.76	14639	13848	0.95	0.84	13743	13001	0.95	0.91	12846	12153	0.95	0.98

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
SVZ-KP12NA / SUZ-KA12NA2
CAPACITY : 12000(Btu/h) INPUT :0.94(kW) SHF :0.89

		OUTDOOR DB(℉)							
INDOOR	INDOOR	104				115			
DB(℉)	WB(℉)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	9087	7143	0.79	0.88	8191	6438	0.79	0.92
68	64	10257	6831	0.67	0.94	9361	6234	0.67	0.99
68	61	9087	7506	0.83	0.88	8191	6766	0.83	0.92
68	64	10257	7242	0.71	0.94	9361	6609	0.71	0.99
68	68	11054	6478	0.59	0.99	10257	6011	0.59	1.03
72	61	9087	8233	0.91	0.88	8191	7421	0.91	0.92
72	64	10257	8062	0.79	0.94	9361	7358	0.79	0.99
72	68	11054	7362	0.67	0.99	10257	6831	0.67	1.03
75	61	9087	8960	0.99	0.88	8191	8077	0.99	0.92
75	64	10257	8883	0.87	0.94	9361	8107	0.87	0.99
75	68	11054	8246	0.75	0.99	10257	7652	0.75	1.03
75	72	11950	7481	0.63	1.03	10954	6857	0.63	1.06
79	61	9087	9087	1.00	0.88	8191	8191	1.00	0.92
79	64	10257	9703	0.95	0.94	9361	8856	0.95	0.99
79	68	11054	9131	0.83	0.99	10257	8472	0.83	1.03
79	72	11950	8437	0.71	1.03	10954	7734	0.71	1.06
81	61	9087	9087	1.00	0.88	8191	8191	1.00	0.92
81	64	10257	10114	0.99	0.94	9361	9230	0.99	0.99
81	68	11054	9573	0.87	0.99	10257	8883	0.87	1.03
81	72	11950	8915	0.75	1.03	10954	8172	0.75	1.06
82	61	9087	9087	1.00	0.88	8191	8191	1.00	0.92
82	64	10257	10257	1.00	0.94	9361	9361	1.00	0.99
82	68	11054	10015	0.91	0.99	10257	9293	0.91	1.03
82	72	11950	9393	0.79	1.03	10954	8610	0.79	1.06
86	61	9087	9087	1.00	0.88	8191	8191	1.00	0.92
86	64	10257	10257	1.00	0.94	9361	9361	1.00	0.99
86	68	11054	10899	0.99	0.99	10257	10114	0.99	1.03
86	72	11950	10349	0.87	1.03	10954	9486	0.87	1.06
90	61	9087	9087	1.00	0.88	8191	8191	1.00	0.92
90	64	10257	10257	1.00	0.94	9361	9361	1.00	0.99
90	68	11054	11054	1.00	0.99	10257	10257	1.00	1.03
90	72	11950	11305	0.95	1.03	10954	10363	0.95	1.06

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
SVZ-KP18NA / SUZ-KA18NA2
CAPACITY : 18000(Btu/h) INPUT :1.36(kW) SHF :0.85

		OUTDOOR DB(°F)															
INDOOR	INDOOR	68				77				86				95			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	18859	14069	0.75	0.90	17739	13233	0.75	1.02	16320	12175	0.75	1.12	14976	11172	0.75	1.21
68	64	20614	12904	0.63	0.99	19494	12203	0.63	1.12	18075	11315	0.63	1.21	16730	10473	0.63	1.30
68	61	18859	14823	0.79	0.90	17739	13943	0.79	1.02	16320	12828	0.79	1.12	14976	11771	0.79	1.21
68	64	20614	13729	0.67	0.99	19494	12983	0.67	1.12	18075	12038	0.67	1.21	16730	11142	0.67	1.30
68	68	21510	11745	0.55	1.05	20614	11255	0.55	1.14	19419	10603	0.55	1.25	18000	9828	0.55	1.36
72	61	18859	16332	0.87	0.90	17739	15362	0.87	1.02	16320	14133	0.87	1.12	14976	12969	0.87	1.21
72	64	20614	15378	0.75	0.99	19494	14542	0.75	1.12	18075	13484	0.75	1.21	16730	12481	0.75	1.30
72	68	21510	13465	0.63	1.05	20614	12904	0.63	1.14	19419	12156	0.63	1.25	18000	11268	0.63	1.36
75	61	18859	17841	0.95	0.90	17739	16781	0.95	1.02	16320	15439	0.95	1.12	14976	14167	0.95	1.21
75	64	20614	17027	0.83	0.99	19494	16102	0.83	1.12	18075	14930	0.83	1.21	16730	13819	0.83	1.30
75	68	21510	15186	0.71	1.05	20614	14554	0.71	1.14	19419	13710	0.71	1.25	18000	12708	0.71	1.36
75	72	22705	13305	0.59	1.09	21959	12868	0.59	1.21	20614	12080	0.59	1.32	19270	11292	0.59	1.42
79	61	18859	18859	1.00	0.90	17739	17739	1.00	1.02	16320	16320	1.00	1.12	14976	14976	1.00	1.21
79	64	20614	18676	0.91	0.99	19494	17661	0.91	1.12	18075	16376	0.91	1.21	16730	15158	0.91	1.30
79	68	21510	16907	0.79	1.05	20614	16203	0.79	1.14	19419	15263	0.79	1.25	18000	14148	0.79	1.36
79	72	22705	15122	0.67	1.09	21959	14624	0.67	1.21	20614	13729	0.67	1.32	19270	12834	0.67	1.42
81	61	18859	18859	1.00	0.90	17739	17739	1.00	1.02	16320	16320	1.00	1.12	14976	14976	1.00	1.21
81	64	20614	19501	0.95	0.99	19494	18441	0.95	1.12	18075	17099	0.95	1.21	16730	15827	0.95	1.30
81	68	21510	17768	0.83	1.05	20614	17027	0.83	1.14	19419	16040	0.83	1.25	18000	14868	0.83	1.36
81	72	22705	16030	0.71	1.09	21959	15503	0.71	1.21	20614	14554	0.71	1.32	19270	13604	0.71	1.42
82	61	18859	18859	1.00	0.90	17739	17739	1.00	1.02	16320	16320	1.00	1.12	14976	14976	1.00	1.21
82	64	20614	20326	0.99	0.99	19494	19221	0.99	1.12	18075	17822	0.99	1.21	16730	16496	0.99	1.30
82	68	21510	18628	0.87	1.05	20614	17852	0.87	1.14	19419	16817	0.87	1.25	18000	15588	0.87	1.36
82	72	22705	16938	0.75	1.09	21959	16381	0.75	1.21	20614	15378	0.75	1.32	19270	14375	0.75	1.42
86	61	18859	18859	1.00	0.90	17739	17739	1.00	1.02	16320	16320	1.00	1.12	14976	14976	1.00	1.21
86	64	20614	20614	1.00	0.99	19494	19494	1.00	1.12	18075	18075	1.00	1.21	16730	16730	1.00	1.30
86	68	21510	20349	0.95	1.05	20614	19501	0.95	1.14	19419	18370	0.95	1.25	18000	17028	0.95	1.36
86	72	22705	18755	0.83	1.09	21959	18138	0.83	1.21	20614	17027	0.83	1.32	19270	15917	0.83	1.42
90	61	18859	18859	1.00	0.90	17739	17739	1.00	1.02	16320	16320	1.00	1.12	14976	14976	1.00	1.21
90	64	20614	20614	1.00	0.99	19494	19494	1.00	1.12	18075	18075	1.00	1.21	16730	16730	1.00	1.30
90	68	21510	21510	1.00	1.05	20614	20614	1.00	1.14	19419	19419	1.00	1.25	18000	18000	1.00	1.36
90	72	22705	20571	0.91	1.09	21959	19894	0.91	1.21	20614	18676	0.91	1.32	19270	17458	0.91	1.42

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
SVZ-KP18NA / SUZ-KA18NA2
CAPACITY : 18000(Btu/h) INPUT :1.36(kW) SHF :0.85

		OUTDOOR DB(°F)							
INDOOR	INDOOR	104				115			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	13631	10169	0.75	1.27	12287	9166	0.75	1.34
68	64	15386	9632	0.63	1.37	14041	8790	0.63	1.43
68	61	13631	10714	0.79	1.27	12287	9657	0.79	1.34
68	64	15386	10247	0.67	1.37	14041	9352	0.67	1.43
68	68	16581	9053	0.55	1.43	15386	8401	0.55	1.49
72	61	13631	11805	0.87	1.27	12287	10640	0.87	1.34
72	64	15386	11478	0.75	1.37	14041	10475	0.75	1.43
72	68	16581	10380	0.63	1.43	15386	9632	0.63	1.49
75	61	13631	12895	0.95	1.27	12287	11623	0.95	1.34
75	64	15386	12709	0.83	1.37	14041	11598	0.83	1.43
75	68	16581	11706	0.71	1.43	15386	10862	0.71	1.49
75	72	17925	10504	0.59	1.48	16432	9629	0.59	1.53
79	61	13631	13631	1.00	1.27	12287	12287	1.00	1.34
79	64	15386	13940	0.91	1.37	14041	12722	0.91	1.43
79	68	16581	13033	0.79	1.43	15386	12093	0.79	1.49
79	72	17925	11938	0.67	1.48	16432	10943	0.67	1.53
81	61	13631	13631	1.00	1.27	12287	12287	1.00	1.34
81	64	15386	14555	0.95	1.37	14041	13283	0.95	1.43
81	68	16581	13696	0.83	1.43	15386	12709	0.83	1.49
81	72	17925	12655	0.71	1.48	16432	11601	0.71	1.53
82	61	13631	13631	1.00	1.27	12287	12287	1.00	1.34
82	64	15386	15170	0.99	1.37	14041	13845	0.99	1.43
82	68	16581	14359	0.87	1.43	15386	13324	0.87	1.49
82	72	17925	13372	0.75	1.48	16432	12258	0.75	1.53
86	61	13631	13631	1.00	1.27	12287	12287	1.00	1.34
86	64	15386	15386	1.00	1.37	14041	14041	1.00	1.43
86	68	16581	15686	0.95	1.43	15386	14555	0.95	1.49
86	72	17925	14806	0.83	1.48	16432	13572	0.83	1.53
90	61	13631	13631	1.00	1.27	12287	12287	1.00	1.34
90	64	15386	15386	1.00	1.37	14041	14041	1.00	1.43
90	68	16581	16581	1.00	1.43	15386	15386	1.00	1.49
90	72	17925	16240	0.91	1.48	16432	14887	0.91	1.53

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
SVZ-KP24NA / SUZ-KA24NA2
CAPACITY : 24000(Btu/h) INPUT :1.92(kW) SHF :0.81

		OUTDOOR DB(°F)															
INDOOR	INDOOR	68				77				86				95			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	25146	17753	0.71	1.27	23652	16698	0.71	1.45	21760	15363	0.71	1.58	19967	14097	0.71	1.71
68	64	27485	16106	0.59	1.40	25992	15231	0.59	1.58	24100	14122	0.59	1.71	22307	13072	0.59	1.84
68	61	25146	18759	0.75	1.27	23652	17644	0.75	1.45	21760	16233	0.75	1.58	19967	14896	0.75	1.71
68	64	27485	17206	0.63	1.40	25992	16271	0.63	1.58	24100	15086	0.63	1.71	22307	13964	0.63	1.84
68	68	28680	14512	0.51	1.48	27485	13908	0.51	1.61	25892	13101	0.51	1.77	24000	12144	0.51	1.92
72	61	25146	20771	0.83	1.27	23652	19537	0.83	1.45	21760	17974	0.83	1.58	19967	16493	0.83	1.71
72	64	27485	19405	0.71	1.40	25992	18350	0.71	1.58	24100	17014	0.71	1.71	22307	15749	0.71	1.84
72	68	28680	16807	0.59	1.48	27485	16106	0.59	1.61	25892	15173	0.59	1.77	24000	14064	0.59	1.92
75	61	25146	22782	0.91	1.27	23652	21429	0.91	1.45	21760	19715	0.91	1.58	19967	18091	0.91	1.71
75	64	27485	21604	0.79	1.40	25992	20429	0.79	1.58	24100	18942	0.79	1.71	22307	17533	0.79	1.84
75	68	28680	19101	0.67	1.48	27485	18305	0.67	1.61	25892	17244	0.67	1.77	24000	15984	0.67	1.92
75	72	30274	16530	0.55	1.54	29278	15986	0.55	1.71	27485	15007	0.55	1.86	25693	14028	0.55	2.00
79	61	25146	24794	0.99	1.27	23652	23321	0.99	1.45	21760	21455	0.99	1.58	19967	19688	0.99	1.71
79	64	27485	23802	0.87	1.40	25992	22509	0.87	1.58	24100	20870	0.87	1.71	22307	19318	0.87	1.84
79	68	28680	21396	0.75	1.48	27485	20504	0.75	1.61	25892	19316	0.75	1.77	24000	17904	0.75	1.92
79	72	30274	18951	0.63	1.54	29278	18328	0.63	1.71	27485	17206	0.63	1.86	25693	16084	0.63	2.00
81	61	25146	25146	1.00	1.27	23652	23652	1.00	1.45	21760	21760	1.00	1.58	19967	19967	1.00	1.71
81	64	27485	24902	0.91	1.40	25992	23548	0.91	1.58	24100	21834	0.91	1.71	22307	20210	0.91	1.84
81	68	28680	22543	0.79	1.48	27485	21604	0.79	1.61	25892	20351	0.79	1.77	24000	18864	0.79	1.92
81	72	30274	20162	0.67	1.54	29278	19499	0.67	1.71	27485	18305	0.67	1.86	25693	17112	0.67	2.00
82	61	25146	25146	1.00	1.27	23652	23652	1.00	1.45	21760	21760	1.00	1.58	19967	19967	1.00	1.71
82	64	27485	26001	0.95	1.40	25992	24588	0.95	1.58	24100	22798	0.95	1.71	22307	21102	0.95	1.84
82	68	28680	23690	0.83	1.48	27485	22703	0.83	1.61	25892	21387	0.83	1.77	24000	19824	0.83	1.92
82	72	30274	21373	0.71	1.54	29278	20670	0.71	1.71	27485	19405	0.71	1.86	25693	18139	0.71	2.00
86	61	25146	25146	1.00	1.27	23652	23652	1.00	1.45	21760	21760	1.00	1.58	19967	19967	1.00	1.71
86	64	27485	27485	1.00	1.40	25992	25992	1.00	1.58	24100	24100	1.00	1.71	22307	22307	1.00	1.84
86	68	28680	25985	0.91	1.48	27485	24902	0.91	1.61	25892	23458	0.91	1.77	24000	21744	0.91	1.92
86	72	30274	23795	0.79	1.54	29278	23013	0.79	1.71	27485	21604	0.79	1.86	25693	20195	0.79	2.00
90	61	25146	25146	1.00	1.27	23652	23652	1.00	1.45	21760	21760	1.00	1.58	19967	19967	1.00	1.71
90	64	27485	27485	1.00	1.40	25992	25992	1.00	1.58	24100	24100	1.00	1.71	22307	22307	1.00	1.84
90	68	28680	28279	0.99	1.48	27485	27101	0.99	1.61	25892	25530	0.99	1.77	24000	23664	0.99	1.92
90	72	30274	26217	0.87	1.54	29278	25355	0.87	1.71	27485	23802	0.87	1.86	25693	22250	0.87	2.00

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
SVZ-KP24NA / SUZ-KA24NA2
CAPACITY : 24000(Btu/h) INPUT :1.92(kW) SHF :0.81

		OUTDOOR DB(℉)							
INDOOR	INDOOR	104				115			
DB(℉)	WB(℉)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	18175	12832	0.71	1.80	16382	11566	0.71	1.89
68	64	20515	12022	0.59	1.93	18722	10971	0.59	2.02
68	61	18175	13558	0.75	1.80	16382	12221	0.75	1.89
68	64	20515	12842	0.63	1.93	18722	11720	0.63	2.02
68	68	22108	11187	0.51	2.02	20515	10380	0.51	2.10
72	61	18175	15012	0.83	1.80	16382	13532	0.83	1.89
72	64	20515	14483	0.71	1.93	18722	13218	0.71	2.02
72	68	22108	12955	0.59	2.02	20515	12022	0.59	2.10
75	61	18175	16466	0.91	1.80	16382	14842	0.91	1.89
75	64	20515	16124	0.79	1.93	18722	14715	0.79	2.02
75	68	22108	14724	0.67	2.02	20515	13663	0.67	2.10
75	72	23900	13050	0.55	2.10	21909	11962	0.55	2.16
79	61	18175	17920	0.99	1.80	16382	16153	0.99	1.89
79	64	20515	17766	0.87	1.93	18722	16213	0.87	2.02
79	68	22108	16492	0.75	2.02	20515	15304	0.75	2.10
79	72	23900	14962	0.63	2.10	21909	13715	0.63	2.16
81	61	18175	18175	1.00	1.80	16382	16382	1.00	1.89
81	64	20515	18586	0.91	1.93	18722	16962	0.91	2.02
81	68	22108	17377	0.79	2.02	20515	16124	0.79	2.10
81	72	23900	15918	0.67	2.10	21909	14591	0.67	2.16
82	61	18175	18175	1.00	1.80	16382	16382	1.00	1.89
82	64	20515	19407	0.95	1.93	18722	17711	0.95	2.02
82	68	22108	18261	0.83	2.02	20515	16945	0.83	2.10
82	72	23900	16874	0.71	2.10	21909	15468	0.71	2.16
86	61	18175	18175	1.00	1.80	16382	16382	1.00	1.89
86	64	20515	20515	1.00	1.93	18722	18722	1.00	2.02
86	68	22108	20030	0.91	2.02	20515	18586	0.91	2.10
86	72	23900	18786	0.79	2.10	21909	17220	0.79	2.16
90	61	18175	18175	1.00	1.80	16382	16382	1.00	1.89
90	64	20515	20515	1.00	1.93	18722	18722	1.00	2.02
90	68	22108	21798	0.99	2.02	20515	20227	0.99	2.10
90	72	23900	20698	0.87	2.10	21909	18973	0.87	2.16

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
SVZ-KP30NA / SUZ-KA30NA2
CAPACITY : 27000(Btu/h) INPUT :2.16(kW) SHF :0.9

		OUTDOOR DB(°F)															
INDOOR	INDOOR	68				77				86				95			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	28289	22518	0.80	1.43	26609	21180	0.80	1.63	24480	19486	0.80	1.78	22463	17881	0.80	1.92
68	64	30921	20903	0.68	1.58	29241	19767	0.68	1.77	27112	18328	0.68	1.92	25095	16965	0.68	2.07
68	61	28289	23650	0.84	1.43	26609	22245	0.84	1.63	24480	20465	0.84	1.78	22463	18779	0.84	1.92
68	64	30921	22140	0.72	1.58	29241	20936	0.72	1.77	27112	19412	0.72	1.92	25095	17968	0.72	2.07
68	68	32266	19230	0.60	1.67	30921	18429	0.60	1.81	29129	17361	0.60	1.99	27000	16092	0.60	2.16
72	61	28289	25913	0.92	1.43	26609	24373	0.92	1.63	24480	22424	0.92	1.78	22463	20576	0.92	1.92
72	64	30921	24613	0.80	1.58	29241	23276	0.80	1.77	27112	21581	0.80	1.92	25095	19976	0.80	2.07
72	68	32266	21812	0.68	1.67	30921	20903	0.68	1.81	29129	19691	0.68	1.99	27000	18252	0.68	2.16
75	61	28289	28176	1.00	1.43	26609	26502	1.00	1.63	24480	24382	1.00	1.78	22463	22374	1.00	1.92
75	64	30921	27087	0.88	1.58	29241	25615	0.88	1.77	27112	23750	0.88	1.92	25095	21984	0.88	2.07
75	68	32266	24393	0.76	1.67	30921	23376	0.76	1.81	29129	22021	0.76	1.99	27000	20412	0.76	2.16
75	72	34058	21661	0.64	1.74	32938	20948	0.64	1.92	30921	19666	0.64	2.09	28905	18383	0.64	2.25
79	61	28289	28289	1.00	1.43	26609	26609	1.00	1.63	24480	24480	1.00	1.78	22463	22463	1.00	1.92
79	64	30921	29561	0.96	1.58	29241	27954	0.96	1.77	27112	25919	0.96	1.92	25095	23991	0.96	2.07
79	68	32266	26974	0.84	1.67	30921	25850	0.84	1.81	29129	24352	0.84	1.99	27000	22572	0.84	2.16
79	72	34058	24386	0.72	1.74	32938	23583	0.72	1.92	30921	22140	0.72	2.09	28905	20696	0.72	2.25
81	61	28289	28289	1.00	1.43	26609	26609	1.00	1.63	24480	24480	1.00	1.78	22463	22463	1.00	1.92
81	64	30921	30797	1.00	1.58	29241	29124	1.00	1.77	27112	27004	1.00	1.92	25095	24995	1.00	2.07
81	68	32266	28265	0.88	1.67	30921	27087	0.88	1.81	29129	25517	0.88	1.99	27000	23652	0.88	2.16
81	72	34058	25748	0.76	1.74	32938	24901	0.76	1.92	30921	23376	0.76	2.09	28905	21852	0.76	2.25
82	61	28289	28289	1.00	1.43	26609	26609	1.00	1.63	24480	24480	1.00	1.78	22463	22463	1.00	1.92
82	64	30921	30921	1.00	1.58	29241	29241	1.00	1.77	27112	27112	1.00	1.92	25095	25095	1.00	2.07
82	68	32266	29555	0.92	1.67	30921	28324	0.92	1.81	29129	26682	0.92	1.99	27000	24732	0.92	2.16
82	72	34058	27110	0.80	1.74	32938	26218	0.80	1.92	30921	24613	0.80	2.09	28905	23008	0.80	2.25
86	61	28289	28289	1.00	1.43	26609	26609	1.00	1.63	24480	24480	1.00	1.78	22463	22463	1.00	1.92
86	64	30921	30921	1.00	1.58	29241	29241	1.00	1.77	27112	27112	1.00	1.92	25095	25095	1.00	2.07
86	68	32266	32136	1.00	1.67	30921	30797	1.00	1.81	29129	29012	1.00	1.99	27000	26892	1.00	2.16
86	72	34058	29835	0.88	1.74	32938	28853	0.88	1.92	30921	27087	0.88	2.09	28905	25320	0.88	2.25
90	61	28289	28289	1.00	1.43	26609	26609	1.00	1.63	24480	24480	1.00	1.78	22463	22463	1.00	1.92
90	64	30921	30921	1.00	1.58	29241	29241	1.00	1.77	27112	27112	1.00	1.92	25095	25095	1.00	2.07
90	68	32266	32266	1.00	1.67	30921	30921	1.00	1.81	29129	29129	1.00	1.99	27000	27000	1.00	2.16
90	72	34058	32560	0.96	1.74	32938	31488	0.96	1.92	30921	29561	0.96	2.09	28905	27633	0.96	2.25

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
SVZ-KP30NA / SUZ-KA30NA2
CAPACITY : 27000(Btu/h) INPUT :2.16(kW) SHF :0.9

		OUTDOOR DB(℉)							
INDOOR	INDOOR	104				115			
DB(℉)	WB(℉)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	20447	16276	0.80	2.02	18430	14670	0.80	2.12
68	64	23079	15601	0.68	2.17	21062	14238	0.68	2.27
68	61	20447	17094	0.84	2.02	18430	15408	0.84	2.12
68	64	23079	16524	0.72	2.17	21062	15081	0.72	2.27
68	68	24871	14823	0.60	2.27	23079	13755	0.60	2.37
72	61	20447	18729	0.92	2.02	18430	16882	0.92	2.12
72	64	23079	18371	0.80	2.17	21062	16766	0.80	2.27
72	68	24871	16813	0.68	2.27	23079	15601	0.68	2.37
75	61	20447	20365	1.00	2.02	18430	18356	1.00	2.12
75	64	23079	20217	0.88	2.17	21062	18451	0.88	2.27
75	68	24871	18803	0.76	2.27	23079	17448	0.76	2.37
75	72	26888	17101	0.64	2.36	24647	15676	0.64	2.43
79	61	20447	20447	1.00	2.02	18430	18430	1.00	2.12
79	64	23079	22063	0.96	2.17	21062	20136	0.96	2.27
79	68	24871	20792	0.84	2.27	23079	19294	0.84	2.37
79	72	26888	19252	0.72	2.36	24647	17647	0.72	2.43
81	61	20447	20447	1.00	2.02	18430	18430	1.00	2.12
81	64	23079	22987	1.00	2.17	21062	20978	1.00	2.27
81	68	24871	21787	0.88	2.27	23079	20217	0.88	2.37
81	72	26888	20327	0.76	2.36	24647	18633	0.76	2.43
82	61	20447	20447	1.00	2.02	18430	18430	1.00	2.12
82	64	23079	23079	1.00	2.17	21062	21062	1.00	2.27
82	68	24871	22782	0.92	2.27	23079	21140	0.92	2.37
82	72	26888	21403	0.80	2.36	24647	19619	0.80	2.43
86	61	20447	20447	1.00	2.02	18430	18430	1.00	2.12
86	64	23079	23079	1.00	2.17	21062	21062	1.00	2.27
86	68	24871	24772	1.00	2.27	23079	22987	1.00	2.37
86	72	26888	23554	0.88	2.36	24647	21591	0.88	2.43
90	61	20447	20447	1.00	2.02	18430	18430	1.00	2.12
90	64	23079	23079	1.00	2.17	21062	21062	1.00	2.27
90	68	24871	24871	1.00	2.27	23079	23079	1.00	2.37
90	72	26888	25705	0.96	2.36	24647	23563	0.96	2.43

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
SVZ-KP36NA / SUZ-KA36NA2
CAPACITY : 33400(Btu/h) INPUT :3.711(kW) SHF :0.84

		OUTDOOR DB(°F)															
INDOOR	INDOOR	68				77				86				95			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	34995	25756	0.74	2.46	32916	24226	0.74	2.79	30283	22288	0.74	3.05	27788	20452	0.74	3.31
68	64	38251	23562	0.62	2.71	36172	22282	0.62	3.05	33539	20660	0.62	3.30	31044	19123	0.62	3.56
68	61	34995	27156	0.78	2.46	32916	25543	0.78	2.79	30283	23499	0.78	3.05	27788	21564	0.78	3.31
68	64	38251	25092	0.66	2.71	36172	23729	0.66	3.05	33539	22001	0.66	3.30	31044	20365	0.66	3.56
68	68	39914	21394	0.54	2.86	38251	20502	0.54	3.12	36033	19314	0.54	3.42	33400	17902	0.54	3.71
72	61	34995	29955	0.86	2.46	32916	28176	0.86	2.79	30283	25922	0.86	3.05	27788	23787	0.86	3.31
72	64	38251	28152	0.74	2.71	36172	26622	0.74	3.05	33539	24684	0.74	3.30	31044	22848	0.74	3.56
72	68	39914	24587	0.62	2.86	38251	23562	0.62	3.12	36033	22196	0.62	3.42	33400	20574	0.62	3.71
75	61	34995	32755	0.94	2.46	32916	30809	0.94	2.79	30283	28345	0.94	3.05	27788	26010	0.94	3.31
75	64	38251	31213	0.82	2.71	36172	29516	0.82	3.05	33539	27367	0.82	3.30	31044	25332	0.82	3.56
75	68	39914	27780	0.70	2.86	38251	26622	0.70	3.12	36033	25079	0.70	3.42	33400	23246	0.70	3.71
75	72	42131	24268	0.58	2.98	40745	23469	0.58	3.30	38251	22032	0.58	3.59	35756	20595	0.58	3.86
79	61	34995	34995	1.00	2.46	32916	32916	1.00	2.79	30283	30283	1.00	3.05	27788	27788	1.00	3.31
79	64	38251	34273	0.90	2.71	36172	32410	0.90	3.05	33539	30051	0.90	3.30	31044	27815	0.90	3.56
79	68	39914	30973	0.78	2.86	38251	29682	0.78	3.12	36033	27962	0.78	3.42	33400	25918	0.78	3.71
79	72	42131	27638	0.66	2.98	40745	26729	0.66	3.30	38251	25092	0.66	3.59	35756	23456	0.66	3.86
81	61	34995	34995	1.00	2.46	32916	32916	1.00	2.79	30283	30283	1.00	3.05	27788	27788	1.00	3.31
81	64	38251	35803	0.94	2.71	36172	33857	0.94	3.05	33539	31392	0.94	3.30	31044	29057	0.94	3.56
81	68	39914	32570	0.82	2.86	38251	31213	0.82	3.12	36033	29403	0.82	3.42	33400	27254	0.82	3.71
81	72	42131	29323	0.70	2.98	40745	28359	0.70	3.30	38251	26622	0.70	3.59	35756	24886	0.70	3.86
82	61	34995	34995	1.00	2.46	32916	32916	1.00	2.79	30283	30283	1.00	3.05	27788	27788	1.00	3.31
82	64	38251	37333	0.98	2.71	36172	35304	0.98	3.05	33539	32734	0.98	3.30	31044	30299	0.98	3.56
82	68	39914	34166	0.86	2.86	38251	32743	0.86	3.12	36033	30844	0.86	3.42	33400	28590	0.86	3.71
82	72	42131	31009	0.74	2.98	40745	29988	0.74	3.30	38251	28152	0.74	3.59	35756	26316	0.74	3.86
86	61	34995	34995	1.00	2.46	32916	32916	1.00	2.79	30283	30283	1.00	3.05	27788	27788	1.00	3.31
86	64	38251	38251	1.00	2.71	36172	36172	1.00	3.05	33539	33539	1.00	3.30	31044	31044	1.00	3.56
86	68	39914	37359	0.94	2.86	38251	35803	0.94	3.12	36033	33727	0.94	3.42	33400	31262	0.94	3.71
86	72	42131	34379	0.82	2.98	40745	33248	0.82	3.30	38251	31213	0.82	3.59	35756	29177	0.82	3.86
90	61	34995	34995	1.00	2.46	32916	32916	1.00	2.79	30283	30283	1.00	3.05	27788	27788	1.00	3.31
90	64	38251	38251	1.00	2.71	36172	36172	1.00	3.05	33539	33539	1.00	3.30	31044	31044	1.00	3.56
90	68	39914	39914	1.00	2.86	38251	38251	1.00	3.12	36033	36033	1.00	3.42	33400	33400	1.00	3.71
90	72	42131	37749	0.90	2.98	40745	36508	0.90	3.30	38251	34273	0.90	3.59	35756	32037	0.90	3.86

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
SVZ-KP36NA / SUZ-KA36NA2
CAPACITY : 33400(Btu/h) INPUT :3.711(kW) SHF :0.84

		OUTDOOR DB(°F)							
INDOOR	INDOOR	104				115			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	25293	18616	0.74	3.48	22799	16780	0.74	3.64
68	64	28549	17586	0.62	3.73	26055	16050	0.62	3.90
68	61	25293	19628	0.78	3.48	22799	17692	0.78	3.64
68	64	28549	18728	0.66	3.73	26055	17092	0.66	3.90
68	68	30767	16491	0.54	3.90	28549	15302	0.54	4.07
72	61	25293	21651	0.86	3.48	22799	19516	0.86	3.64
72	64	28549	21012	0.74	3.73	26055	19176	0.74	3.90
72	68	30767	18952	0.62	3.90	28549	17586	0.62	4.07
75	61	25293	23675	0.94	3.48	22799	21340	0.94	3.64
75	64	28549	23296	0.82	3.73	26055	21261	0.82	3.90
75	68	30767	21414	0.70	3.90	28549	19870	0.70	4.07
75	72	33261	19159	0.58	4.05	30490	17562	0.58	4.17
79	61	25293	25293	1.00	3.48	22799	22799	1.00	3.64
79	64	28549	25580	0.90	3.73	26055	23345	0.90	3.90
79	68	30767	23875	0.78	3.90	28549	22154	0.78	4.07
79	72	33261	21819	0.66	4.05	30490	20001	0.66	4.17
81	61	25293	25293	1.00	3.48	22799	22799	1.00	3.64
81	64	28549	26722	0.94	3.73	26055	24387	0.94	3.90
81	68	30767	25106	0.82	3.90	28549	23296	0.82	4.07
81	72	33261	23150	0.70	4.05	30490	21221	0.70	4.17
82	61	25293	25293	1.00	3.48	22799	22799	1.00	3.64
82	64	28549	27864	0.98	3.73	26055	25429	0.98	3.90
82	68	30767	26336	0.86	3.90	28549	24438	0.86	4.07
82	72	33261	24480	0.74	4.05	30490	22440	0.74	4.17
86	61	25293	25293	1.00	3.48	22799	22799	1.00	3.64
86	64	28549	28549	1.00	3.73	26055	26055	1.00	3.90
86	68	30767	28798	0.94	3.90	28549	26722	0.94	4.07
86	72	33261	27141	0.82	4.05	30490	24880	0.82	4.17
90	61	25293	25293	1.00	3.48	22799	22799	1.00	3.64
90	64	28549	28549	1.00	3.73	26055	26055	1.00	3.90
90	68	30767	30767	1.00	3.90	28549	28549	1.00	4.07
90	72	33261	29802	0.90	4.05	30490	27319	0.90	4.17

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

HEATING operation at Rated frequency
SVZ-KP12NA / SUZ-KA12NA2
CAPACITY : 15000(Btu/h) INPUT : 1.21(kW)

	OUTDOOR WB(°F)											
INDOOR	14		23		32		41		50		59	
DB(°F)	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
59	9671	0.80	11778	0.95	12838	1.02	14969	1.14	17112	1.24	19266	1.30
68	9146	0.87	11274	1.02	12345	1.08	14483	1.19	16599	1.27	18667	1.33
77	8253	0.93	10474	1.07	11578	1.14	13758	1.24	15876	1.32	17905	1.38

SVZ-KP18NA / SUZ-KA18NA2
CAPACITY : 21600(Btu/h) INPUT : 1.6(kW)

	OUTDOOR WB(°F)											
INDOOR	14		23		32		41		50		59	
DB(°F)	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
59	13927	1.06	16960	1.26	18486	1.35	21555	1.51	24642	1.63	27743	1.71
68	13170	1.15	16235	1.34	17776	1.43	20856	1.57	23902	1.68	26881	1.76
77	11885	1.22	15083	1.42	16673	1.50	19811	1.65	22861	1.75	25783	1.82

SVZ-KP24NA / SUZ-KA24NA2
CAPACITY : 25000(Btu/h) INPUT : 1.91(kW)

	OUTDOOR WB(°F)											
INDOOR	14		23		32		41		50		59	
DB(°F)	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
59	16119	1.26	19630	1.50	21396	1.61	24948	1.80	28521	1.95	32110	2.05
68	15243	1.37	18790	1.60	20575	1.70	24139	1.88	27665	2.01	31112	2.10
77	13756	1.46	17457	1.70	19297	1.80	22930	1.96	26460	2.09	29841	2.17

SVZ-KP30NA / SUZ-KA30NA2
CAPACITY : 30000(Btu/h) INPUT : 2.06(kW)

	OUTDOOR WB(°F)											
INDOOR	14		23		32		41		50		59	
DB(°F)	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
59	19342	1.36	23556	1.62	25676	1.74	29937	1.94	34225	2.10	38532	2.21
68	18292	1.48	22549	1.73	24690	1.84	28967	2.02	33197	2.17	37334	2.27
77	16507	1.58	20948	1.83	23157	1.94	27516	2.12	31751	2.26	35810	2.35

SVZ-KP36NA / SUZ-KA36NA2
CAPACITY : 33400(Btu/h) INPUT : 3.03(kW)

	OUTDOOR WB(°F)											
INDOOR	14		23		32		41		50		59	
DB(°F)	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
59	21535	2.01	26226	2.38	28585	2.56	33330	2.86	38103	3.10	42899	3.25
68	20365	2.17	25104	2.54	27488	2.70	32250	2.98	36960	3.19	41566	3.33
77	18377	2.32	23322	2.69	25781	2.85	30634	3.12	35350	3.32	39868	3.45

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

A.7.5.2 H2i SUZ series

COOLING operation at Rated frequency

SVZ-KP12NA / SUZ-KA12NAHZ

CAPACITY : 12000(Btu/h) INPUT :0.86(kW) SHF :0.92

		OUTDOOR DB(°F)															
INDOOR	INDOOR	68				77				86				95			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	12573	10260	0.82	0.57	11826	9650	0.82	0.65	10880	8878	0.82	0.71	9984	8147	0.82	0.77
68	64	13743	9565	0.70	0.63	12996	9045	0.70	0.71	12050	8387	0.70	0.77	11154	7763	0.70	0.82
68	61	12573	10762	0.86	0.57	11826	10123	0.86	0.65	10880	9313	0.86	0.71	9984	8546	0.86	0.77
68	64	13743	10115	0.74	0.63	12996	9565	0.74	0.71	12050	8869	0.74	0.77	11154	8209	0.74	0.82
68	68	14340	8834	0.62	0.66	13743	8466	0.62	0.72	12946	7975	0.62	0.79	12000	7392	0.62	0.86
72	61	12573	11768	0.94	0.57	11826	11069	0.94	0.65	10880	10184	0.94	0.71	9984	9345	0.94	0.77
72	64	13743	11214	0.82	0.63	12996	10605	0.82	0.71	12050	9833	0.82	0.77	11154	9101	0.82	0.82
72	68	14340	9981	0.70	0.66	13743	9565	0.70	0.72	12946	9010	0.70	0.79	12000	8352	0.70	0.86
75	61	12573	12573	1.00	0.57	11826	11826	1.00	0.65	10880	10880	1.00	0.71	9984	9984	1.00	0.77
75	64	13743	12313	0.90	0.63	12996	11644	0.90	0.71	12050	10797	0.90	0.77	11154	9994	0.90	0.82
75	68	14340	11128	0.78	0.66	13743	10664	0.78	0.72	12946	10046	0.78	0.79	12000	9312	0.78	0.86
75	72	15137	9930	0.66	0.69	14639	9603	0.66	0.77	13743	9015	0.66	0.83	12846	8427	0.66	0.90
79	61	12573	12573	1.00	0.57	11826	11826	1.00	0.65	10880	10880	1.00	0.71	9984	9984	1.00	0.77
79	64	13743	13413	0.98	0.63	12996	12684	0.98	0.71	12050	11761	0.98	0.77	11154	10886	0.98	0.82
79	68	14340	12275	0.86	0.66	13743	11764	0.86	0.72	12946	11082	0.86	0.79	12000	10272	0.86	0.86
79	72	15137	11141	0.74	0.69	14639	10774	0.74	0.77	13743	10115	0.74	0.83	12846	9455	0.74	0.90
81	61	12573	12573	1.00	0.57	11826	11826	1.00	0.65	10880	10880	1.00	0.71	9984	9984	1.00	0.77
81	64	13743	13743	1.00	0.63	12996	12996	1.00	0.71	12050	12050	1.00	0.77	11154	11154	1.00	0.82
81	68	14340	12849	0.90	0.66	13743	12313	0.90	0.72	12946	11600	0.90	0.79	12000	10752	0.90	0.86
81	72	15137	11746	0.78	0.69	14639	11360	0.78	0.77	13743	10664	0.78	0.83	12846	9969	0.78	0.90
82	61	12573	12573	1.00	0.57	11826	11826	1.00	0.65	10880	10880	1.00	0.71	9984	9984	1.00	0.77
82	64	13743	13743	1.00	0.63	12996	12996	1.00	0.71	12050	12050	1.00	0.77	11154	11154	1.00	0.82
82	68	14340	13422	0.94	0.66	13743	12863	0.94	0.72	12946	12118	0.94	0.79	12000	11232	0.94	0.86
82	72	15137	12352	0.82	0.69	14639	11945	0.82	0.77	13743	11214	0.82	0.83	12846	10483	0.82	0.90
86	61	12573	12573	1.00	0.57	11826	11826	1.00	0.65	10880	10880	1.00	0.71	9984	9984	1.00	0.77
86	64	13743	13743	1.00	0.63	12996	12996	1.00	0.71	12050	12050	1.00	0.77	11154	11154	1.00	0.82
86	68	14340	14340	1.00	0.66	13743	13743	1.00	0.72	12946	12946	1.00	0.79	12000	12000	1.00	0.86
86	72	15137	13563	0.90	0.69	14639	13117	0.90	0.77	13743	12313	0.90	0.83	12846	11510	0.90	0.90
90	61	12573	12573	1.00	0.57	11826	11826	1.00	0.65	10880	10880	1.00	0.71	9984	9984	1.00	0.77
90	64	13743	13743	1.00	0.63	12996	12996	1.00	0.71	12050	12050	1.00	0.77	11154	11154	1.00	0.82
90	68	14340	14340	1.00	0.66	13743	13743	1.00	0.72	12946	12946	1.00	0.79	12000	12000	1.00	0.86
90	72	15137	14774	0.98	0.69	14639	14288	0.98	0.77	13743	13413	0.98	0.83	12846	12538	0.98	0.90

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
SVZ-KP12NA / SUZ-KA12NAHZ
CAPACITY : 12000(Btu/h) INPUT :0.86(kW) SHF :0.92

		OUTDOOR DB(℉)							
INDOOR	INDOOR	104				115			
DB(℉)	WB(℉)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	9087	7415	0.82	0.81	8191	6684	0.82	0.84
68	64	10257	7139	0.70	0.86	9361	6515	0.70	0.90
68	61	9087	7779	0.86	0.81	8191	7012	0.86	0.84
68	64	10257	7549	0.74	0.86	9361	6890	0.74	0.90
68	68	11054	6809	0.62	0.90	10257	6318	0.62	0.94
72	61	9087	8506	0.94	0.81	8191	7667	0.94	0.84
72	64	10257	8370	0.82	0.86	9361	7639	0.82	0.90
72	68	11054	7694	0.70	0.90	10257	7139	0.70	0.94
75	61	9087	9087	1.00	0.81	8191	8191	1.00	0.84
75	64	10257	9191	0.90	0.86	9361	8387	0.90	0.90
75	68	11054	8578	0.78	0.90	10257	7960	0.78	0.94
75	72	11950	7839	0.66	0.94	10954	7186	0.66	0.97
79	61	9087	9087	1.00	0.81	8191	8191	1.00	0.84
79	64	10257	10011	0.98	0.86	9361	9136	0.98	0.90
79	68	11054	9462	0.86	0.90	10257	8780	0.86	0.94
79	72	11950	8795	0.74	0.94	10954	8062	0.74	0.97
81	61	9087	9087	1.00	0.81	8191	8191	1.00	0.84
81	64	10257	10257	1.00	0.86	9361	9361	1.00	0.90
81	68	11054	9904	0.90	0.90	10257	9191	0.90	0.94
81	72	11950	9273	0.78	0.94	10954	8501	0.78	0.97
82	61	9087	9087	1.00	0.81	8191	8191	1.00	0.84
82	64	10257	10257	1.00	0.86	9361	9361	1.00	0.90
82	68	11054	10346	0.94	0.90	10257	9601	0.94	0.94
82	72	11950	9751	0.82	0.94	10954	8939	0.82	0.97
86	61	9087	9087	1.00	0.81	8191	8191	1.00	0.84
86	64	10257	10257	1.00	0.86	9361	9361	1.00	0.90
86	68	11054	11054	1.00	0.90	10257	10257	1.00	0.94
86	72	11950	10707	0.90	0.94	10954	9815	0.90	0.97
90	61	9087	9087	1.00	0.81	8191	8191	1.00	0.84
90	64	10257	10257	1.00	0.86	9361	9361	1.00	0.90
90	68	11054	11054	1.00	0.90	10257	10257	1.00	0.94
90	72	11950	11663	0.98	0.94	10954	10691	0.98	0.97

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
SVZ-KP18NA / SUZ-KA18NAHZ
CAPACITY : 18000(Btu/h) INPUT :1.44(kW) SHF :0.93

		OUTDOOR DB(°F)															
INDOOR	INDOOR	68				77				86				95			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	18859	15578	0.83	0.95	17739	14652	0.83	1.08	16320	13480	0.83	1.18	14976	12370	0.83	1.28
68	64	20614	14554	0.71	1.05	19494	13763	0.71	1.18	18075	12761	0.71	1.28	16730	11812	0.71	1.38
68	61	18859	16332	0.87	0.95	17739	15362	0.87	1.08	16320	14133	0.87	1.18	14976	12969	0.87	1.28
68	64	20614	15378	0.75	1.05	19494	14542	0.75	1.18	18075	13484	0.75	1.28	16730	12481	0.75	1.38
68	68	21510	13465	0.63	1.11	20614	12904	0.63	1.21	19419	12156	0.63	1.33	18000	11268	0.63	1.44
72	61	18859	17841	0.95	0.95	17739	16781	0.95	1.08	16320	15439	0.95	1.18	14976	14167	0.95	1.28
72	64	20614	17027	0.83	1.05	19494	16102	0.83	1.18	18075	14930	0.83	1.28	16730	13819	0.83	1.38
72	68	21510	15186	0.71	1.11	20614	14554	0.71	1.21	19419	13710	0.71	1.33	18000	12708	0.71	1.44
75	61	18859	18859	1.00	0.95	17739	17739	1.00	1.08	16320	16320	1.00	1.18	14976	14976	1.00	1.28
75	64	20614	18676	0.91	1.05	19494	17661	0.91	1.18	18075	16376	0.91	1.28	16730	15158	0.91	1.38
75	68	21510	16907	0.79	1.11	20614	16203	0.79	1.21	19419	15263	0.79	1.33	18000	14148	0.79	1.44
75	72	22705	15122	0.67	1.16	21959	14624	0.67	1.28	20614	13729	0.67	1.39	19270	12834	0.67	1.50
79	61	18859	18859	1.00	0.95	17739	17739	1.00	1.08	16320	16320	1.00	1.18	14976	14976	1.00	1.28
79	64	20614	20326	0.99	1.05	19494	19221	0.99	1.18	18075	17822	0.99	1.28	16730	16496	0.99	1.38
79	68	21510	18628	0.87	1.11	20614	17852	0.87	1.21	19419	16817	0.87	1.33	18000	15588	0.87	1.44
79	72	22705	16938	0.75	1.16	21959	16381	0.75	1.28	20614	15378	0.75	1.39	19270	14375	0.75	1.50
81	61	18859	18859	1.00	0.95	17739	17739	1.00	1.08	16320	16320	1.00	1.18	14976	14976	1.00	1.28
81	64	20614	20614	1.00	1.05	19494	19494	1.00	1.18	18075	18075	1.00	1.28	16730	16730	1.00	1.38
81	68	21510	19488	0.91	1.11	20614	18676	0.91	1.21	19419	17594	0.91	1.33	18000	16308	0.91	1.44
81	72	22705	17846	0.79	1.16	21959	17259	0.79	1.28	20614	16203	0.79	1.39	19270	15146	0.79	1.50
82	61	18859	18859	1.00	0.95	17739	17739	1.00	1.08	16320	16320	1.00	1.18	14976	14976	1.00	1.28
82	64	20614	20614	1.00	1.05	19494	19494	1.00	1.18	18075	18075	1.00	1.28	16730	16730	1.00	1.38
82	68	21510	20349	0.95	1.11	20614	19501	0.95	1.21	19419	18370	0.95	1.33	18000	17028	0.95	1.44
82	72	22705	18755	0.83	1.16	21959	18138	0.83	1.28	20614	17027	0.83	1.39	19270	15917	0.83	1.50
86	61	18859	18859	1.00	0.95	17739	17739	1.00	1.08	16320	16320	1.00	1.18	14976	14976	1.00	1.28
86	64	20614	20614	1.00	1.05	19494	19494	1.00	1.18	18075	18075	1.00	1.28	16730	16730	1.00	1.38
86	68	21510	21510	1.00	1.11	20614	20614	1.00	1.21	19419	19419	1.00	1.33	18000	18000	1.00	1.44
86	72	22705	20571	0.91	1.16	21959	19894	0.91	1.28	20614	18676	0.91	1.39	19270	17458	0.91	1.50
90	61	18859	18859	1.00	0.95	17739	17739	1.00	1.08	16320	16320	1.00	1.18	14976	14976	1.00	1.28
90	64	20614	20614	1.00	1.05	19494	19494	1.00	1.18	18075	18075	1.00	1.28	16730	16730	1.00	1.38
90	68	21510	21510	1.00	1.11	20614	20614	1.00	1.21	19419	19419	1.00	1.33	18000	18000	1.00	1.44
90	72	22705	22388	0.99	1.16	21959	21651	0.99	1.28	20614	20326	0.99	1.39	19270	19000	0.99	1.50

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
SVZ-KP18NA / SUZ-KA18NAHZ
CAPACITY : 18000(Btu/h) INPUT :1.44(kW) SHF :0.93

		OUTDOOR DB(℉)							
INDOOR	INDOOR	104				115			
DB(℉)	WB(℉)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	13631	11259	0.83	1.35	12287	10149	0.83	1.41
68	64	15386	10862	0.71	1.45	14041	9913	0.71	1.51
68	61	13631	11805	0.87	1.35	12287	10640	0.87	1.41
68	64	15386	11478	0.75	1.45	14041	10475	0.75	1.51
68	68	16581	10380	0.63	1.51	15386	9632	0.63	1.58
72	61	13631	12895	0.95	1.35	12287	11623	0.95	1.41
72	64	15386	12709	0.83	1.45	14041	11598	0.83	1.51
72	68	16581	11706	0.71	1.51	15386	10862	0.71	1.58
75	61	13631	13631	1.00	1.35	12287	12287	1.00	1.41
75	64	15386	13940	0.91	1.45	14041	12722	0.91	1.51
75	68	16581	13033	0.79	1.51	15386	12093	0.79	1.58
75	72	17925	11938	0.67	1.57	16432	10943	0.67	1.62
79	61	13631	13631	1.00	1.35	12287	12287	1.00	1.41
79	64	15386	15170	0.99	1.45	14041	13845	0.99	1.51
79	68	16581	14359	0.87	1.51	15386	13324	0.87	1.58
79	72	17925	13372	0.75	1.57	16432	12258	0.75	1.62
81	61	13631	13631	1.00	1.35	12287	12287	1.00	1.41
81	64	15386	15386	1.00	1.45	14041	14041	1.00	1.51
81	68	16581	15022	0.91	1.51	15386	13940	0.91	1.58
81	72	17925	14089	0.79	1.57	16432	12915	0.79	1.62
82	61	13631	13631	1.00	1.35	12287	12287	1.00	1.41
82	64	15386	15386	1.00	1.45	14041	14041	1.00	1.51
82	68	16581	15686	0.95	1.51	15386	14555	0.95	1.58
82	72	17925	14806	0.83	1.57	16432	13572	0.83	1.62
86	61	13631	13631	1.00	1.35	12287	12287	1.00	1.41
86	64	15386	15386	1.00	1.45	14041	14041	1.00	1.51
86	68	16581	16581	1.00	1.51	15386	15386	1.00	1.58
86	72	17925	16240	0.91	1.57	16432	14887	0.91	1.62
90	61	13631	13631	1.00	1.35	12287	12287	1.00	1.41
90	64	15386	15386	1.00	1.45	14041	14041	1.00	1.51
90	68	16581	16581	1.00	1.51	15386	15386	1.00	1.58
90	72	17925	17674	0.99	1.57	16432	16201	0.99	1.62

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
SVZ-KP24NA / SUZ-KA24NAHZ
CAPACITY : 24000(Btu/h) INPUT :2.42(kW) SHF :0.78

		OUTDOOR DB(°F)															
INDOOR	INDOOR	68				77				86				95			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	23160	15656	0.68	2.01	22824	15429	0.68	2.10	22368	15121	0.68	2.21	21792	14731	0.68	2.36
68	64	24648	13704	0.56	2.06	24312	13517	0.56	2.15	23832	13251	0.56	2.26	23208	12904	0.56	2.41
68	61	23160	16583	0.72	2.01	22824	16342	0.72	2.10	22368	16015	0.72	2.21	21792	15603	0.72	2.36
68	64	24648	14690	0.60	2.06	24312	14490	0.60	2.15	23832	14204	0.60	2.26	23208	13832	0.60	2.41
68	68	26184	12464	0.48	2.11	25824	12292	0.48	2.20	25344	12064	0.48	2.31	24672	11744	0.48	2.45
72	61	23160	18435	0.80	2.01	22824	18168	0.80	2.10	22368	17805	0.80	2.21	21792	17346	0.80	2.36
72	64	24648	16662	0.68	2.06	24312	16435	0.68	2.15	23832	16110	0.68	2.26	23208	15689	0.68	2.41
72	68	26184	14558	0.56	2.11	25824	14358	0.56	2.20	25344	14091	0.56	2.31	24672	13718	0.56	2.45
75	61	23160	20288	0.88	2.01	22824	19994	0.88	2.10	22368	19594	0.88	2.21	21792	19090	0.88	2.36
75	64	24648	18634	0.76	2.06	24312	18380	0.76	2.15	23832	18017	0.76	2.26	23208	17545	0.76	2.41
75	68	26184	16653	0.64	2.11	25824	16424	0.64	2.20	25344	16119	0.64	2.31	24672	15691	0.64	2.45
75	72	27720	14304	0.52	2.16	27384	14130	0.52	2.24	26856	13858	0.52	2.35	26160	13499	0.52	2.50
79	61	23160	22141	0.96	2.01	22824	21820	0.96	2.10	22368	21384	0.96	2.21	21792	20833	0.96	2.36
79	64	24648	20606	0.84	2.06	24312	20325	0.84	2.15	23832	19924	0.84	2.26	23208	19402	0.84	2.41
79	68	26184	18748	0.72	2.11	25824	18490	0.72	2.20	25344	18146	0.72	2.31	24672	17665	0.72	2.45
79	72	27720	16521	0.60	2.16	27384	16321	0.60	2.24	26856	16006	0.60	2.35	26160	15591	0.60	2.50
81	61	23160	23067	1.00	2.01	22824	22733	1.00	2.10	22368	22279	1.00	2.21	21792	21705	1.00	2.36
81	64	24648	21592	0.88	2.06	24312	21297	0.88	2.15	23832	20877	0.88	2.26	23208	20330	0.88	2.41
81	68	26184	19795	0.76	2.11	25824	19523	0.76	2.20	25344	19160	0.76	2.31	24672	18652	0.76	2.45
81	72	27720	17630	0.64	2.16	27384	17416	0.64	2.24	26856	17080	0.64	2.35	26160	16638	0.64	2.50
82	61	23160	23160	1.00	2.01	22824	22824	1.00	2.10	22368	22368	1.00	2.21	21792	21792	1.00	2.36
82	64	24648	22578	0.92	2.06	24312	22270	0.92	2.15	23832	21830	0.92	2.26	23208	21259	0.92	2.41
82	68	26184	20842	0.80	2.11	25824	20556	0.80	2.20	25344	20174	0.80	2.31	24672	19639	0.80	2.45
82	72	27720	18739	0.68	2.16	27384	18512	0.68	2.24	26856	18155	0.68	2.35	26160	17684	0.68	2.50
86	61	23160	23160	1.00	2.01	22824	22824	1.00	2.10	22368	22368	1.00	2.21	21792	21792	1.00	2.36
86	64	24648	24549	1.00	2.06	24312	24215	1.00	2.15	23832	23737	1.00	2.26	23208	23115	1.00	2.41
86	68	26184	22937	0.88	2.11	25824	22622	0.88	2.20	25344	22201	0.88	2.31	24672	21613	0.88	2.45
86	72	27720	20956	0.76	2.16	27384	20702	0.76	2.24	26856	20303	0.76	2.35	26160	19777	0.76	2.50
90	61	23160	23160	1.00	2.01	22824	22824	1.00	2.10	22368	22368	1.00	2.21	21792	21792	1.00	2.36
90	64	24648	24648	1.00	2.06	24312	24312	1.00	2.15	23832	23832	1.00	2.26	23208	23208	1.00	2.41
90	68	26184	25032	0.96	2.11	25824	24688	0.96	2.20	25344	24229	0.96	2.31	24672	23586	0.96	2.45
90	72	27720	23174	0.84	2.16	27384	22893	0.84	2.24	26856	22452	0.84	2.35	26160	21870	0.84	2.50

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
SVZ-KP24NA / SUZ-KA24NAHZ
CAPACITY : 24000(Btu/h) INPUT :2.42(kW) SHF :0.78

		OUTDOOR DB(℉)							
INDOOR	INDOOR	104				115			
DB(℉)	WB(℉)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	21048	14228	0.68	2.53	19944	13482	0.68	2.78
68	64	22416	12463	0.56	2.58	21240	11809	0.56	2.83
68	61	21048	15070	0.72	2.53	19944	14280	0.72	2.78
68	64	22416	13360	0.60	2.58	21240	12659	0.60	2.83
68	68	23832	11344	0.48	2.63	22536	10727	0.48	2.88
72	61	21048	16754	0.80	2.53	19944	15875	0.80	2.78
72	64	22416	15153	0.68	2.58	21240	14358	0.68	2.83
72	68	23832	13251	0.56	2.63	22536	12530	0.56	2.88
75	61	21048	18438	0.88	2.53	19944	17471	0.88	2.78
75	64	22416	16946	0.76	2.58	21240	16057	0.76	2.83
75	68	23832	15157	0.64	2.63	22536	14333	0.64	2.88
75	72	25248	13028	0.52	2.68	23832	12297	0.52	2.94
79	61	21048	20122	0.96	2.53	19944	19066	0.96	2.78
79	64	22416	18740	0.84	2.58	21240	17757	0.84	2.83
79	68	23832	17064	0.72	2.63	22536	16136	0.72	2.88
79	72	25248	15048	0.60	2.68	23832	14204	0.60	2.94
81	61	21048	20964	1.00	2.53	19944	19864	1.00	2.78
81	64	22416	19636	0.88	2.58	21240	18606	0.88	2.83
81	68	23832	18017	0.76	2.63	22536	17037	0.76	2.88
81	72	25248	16058	0.64	2.68	23832	15157	0.64	2.94
82	61	21048	21048	1.00	2.53	19944	19944	1.00	2.78
82	64	22416	20533	0.92	2.58	21240	19456	0.92	2.83
82	68	23832	18970	0.80	2.63	22536	17939	0.80	2.88
82	72	25248	17068	0.68	2.68	23832	16110	0.68	2.94
86	61	21048	21048	1.00	2.53	19944	19944	1.00	2.78
86	64	22416	22326	1.00	2.58	21240	21155	1.00	2.83
86	68	23832	20877	0.88	2.63	22536	19742	0.88	2.88
86	72	25248	19087	0.76	2.68	23832	18017	0.76	2.94
90	61	21048	21048	1.00	2.53	19944	19944	1.00	2.78
90	64	22416	22416	1.00	2.58	21240	21240	1.00	2.83
90	68	23832	22783	0.96	2.63	22536	21544	0.96	2.88
90	72	25248	21107	0.84	2.68	23832	19924	0.84	2.94

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
SVZ-KP30NA / SUZ-KA30NAHZ
CAPACITY : 27000(Btu/h) INPUT :2.1(kW) SHF :0.83

		OUTDOOR DB(°F)															
INDOOR	INDOOR	68				77				86				95			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	26055	18916	0.73	1.74	25677	18642	0.73	1.82	25164	18269	0.73	1.92	24516	17799	0.73	2.05
68	64	27729	16804	0.61	1.79	27351	16575	0.61	1.86	26811	16247	0.61	1.96	26109	15822	0.61	2.09
68	61	26055	19958	0.77	1.74	25677	19669	0.77	1.82	25164	19276	0.77	1.92	24516	18779	0.77	2.05
68	64	27729	17913	0.65	1.79	27351	17669	0.65	1.86	26811	17320	0.65	1.96	26109	16866	0.65	2.09
68	68	29457	15494	0.53	1.83	29052	15281	0.53	1.91	28512	14997	0.53	2.00	27756	14600	0.53	2.13
72	61	26055	22043	0.85	1.74	25677	21723	0.85	1.82	25164	21289	0.85	1.92	24516	20741	0.85	2.05
72	64	27729	20131	0.73	1.79	27351	19857	0.73	1.86	26811	19465	0.73	1.96	26109	18955	0.73	2.09
72	68	29457	17851	0.61	1.83	29052	17606	0.61	1.91	28512	17278	0.61	2.00	27756	16820	0.61	2.13
75	61	26055	24127	0.93	1.74	25677	23777	0.93	1.82	25164	23302	0.93	1.92	24516	22702	0.93	2.05
75	64	27729	22350	0.81	1.79	27351	22045	0.81	1.86	26811	21610	0.81	1.96	26109	21044	0.81	2.09
75	68	29457	20208	0.69	1.83	29052	19930	0.69	1.91	28512	19559	0.69	2.00	27756	19041	0.69	2.13
75	72	31185	17651	0.57	1.87	30807	17437	0.57	1.95	30213	17101	0.57	2.04	29430	16657	0.57	2.17
79	61	26055	26055	1.00	1.74	25677	25677	1.00	1.82	25164	25164	1.00	1.92	24516	24516	1.00	2.05
79	64	27729	24568	0.89	1.79	27351	24233	0.89	1.86	26811	23755	0.89	1.96	26109	23133	0.89	2.09
79	68	29457	22564	0.77	1.83	29052	22254	0.77	1.91	28512	21840	0.77	2.00	27756	21261	0.77	2.13
79	72	31185	20146	0.65	1.87	30807	19901	0.65	1.95	30213	19518	0.65	2.04	29430	19012	0.65	2.17
81	61	26055	26055	1.00	1.74	25677	25677	1.00	1.82	25164	25164	1.00	1.92	24516	24516	1.00	2.05
81	64	27729	25677	0.93	1.79	27351	25327	0.93	1.86	26811	24827	0.93	1.96	26109	24177	0.93	2.09
81	68	29457	23742	0.81	1.83	29052	23416	0.81	1.91	28512	22981	0.81	2.00	27756	22371	0.81	2.13
81	72	31185	21393	0.69	1.87	30807	21134	0.69	1.95	30213	20726	0.69	2.04	29430	20189	0.69	2.17
82	61	26055	26055	1.00	1.74	25677	25677	1.00	1.82	25164	25164	1.00	1.92	24516	24516	1.00	2.05
82	64	27729	26786	0.97	1.79	27351	26421	0.97	1.86	26811	25899	0.97	1.96	26109	25221	0.97	2.09
82	68	29457	24921	0.85	1.83	29052	24578	0.85	1.91	28512	24121	0.85	2.00	27756	23482	0.85	2.13
82	72	31185	22640	0.73	1.87	30807	22366	0.73	1.95	30213	21935	0.73	2.04	29430	21366	0.73	2.17
86	61	26055	26055	1.00	1.74	25677	25677	1.00	1.82	25164	25164	1.00	1.92	24516	24516	1.00	2.05
86	64	27729	27729	1.00	1.79	27351	27351	1.00	1.86	26811	26811	1.00	1.96	26109	26109	1.00	2.09
86	68	29457	27277	0.93	1.83	29052	26902	0.93	1.91	28512	26402	0.93	2.00	27756	25702	0.93	2.13
86	72	31185	25135	0.81	1.87	30807	24830	0.81	1.95	30213	24352	0.81	2.04	29430	23721	0.81	2.17
90	61	26055	26055	1.00	1.74	25677	25677	1.00	1.82	25164	25164	1.00	1.92	24516	24516	1.00	2.05
90	64	27729	27729	1.00	1.79	27351	27351	1.00	1.86	26811	26811	1.00	1.96	26109	26109	1.00	2.09
90	68	29457	29457	1.00	1.83	29052	29052	1.00	1.91	28512	28512	1.00	2.00	27756	27756	1.00	2.13
90	72	31185	27630	0.89	1.87	30807	27295	0.89	1.95	30213	26769	0.89	2.04	29430	26075	0.89	2.17

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
SVZ-KP30NA / SUZ-KA30NAHZ
CAPACITY : 27000(Btu/h) INPUT :2.1(kW) SHF :0.83

		OUTDOOR DB(℉)							
INDOOR	INDOOR	104				115			
DB(℉)	WB(℉)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	23679	17191	0.73	2.19	22437	16289	0.73	2.41
68	64	25218	15282	0.61	2.24	23895	14480	0.61	2.46
68	61	23679	18138	0.77	2.19	22437	17187	0.77	2.41
68	64	25218	16291	0.65	2.24	23895	15436	0.65	2.46
68	68	26811	14103	0.53	2.28	25353	13336	0.53	2.50
72	61	23679	20032	0.85	2.19	22437	18982	0.85	2.41
72	64	25218	18308	0.73	2.24	23895	17348	0.73	2.46
72	68	26811	16247	0.61	2.28	25353	15364	0.61	2.50
75	61	23679	21927	0.93	2.19	22437	20777	0.93	2.41
75	64	25218	20326	0.81	2.24	23895	19259	0.81	2.46
75	68	26811	18392	0.69	2.28	25353	17392	0.69	2.50
75	72	28404	16077	0.57	2.32	26811	15175	0.57	2.55
79	61	23679	23679	1.00	2.19	22437	22437	1.00	2.41
79	64	25218	22343	0.89	2.24	23895	21171	0.89	2.46
79	68	26811	20537	0.77	2.28	25353	19420	0.77	2.50
79	72	28404	18349	0.65	2.32	26811	17320	0.65	2.55
81	61	23679	23679	1.00	2.19	22437	22437	1.00	2.41
81	64	25218	23352	0.93	2.24	23895	22127	0.93	2.46
81	68	26811	21610	0.81	2.28	25353	20435	0.81	2.50
81	72	28404	19485	0.69	2.32	26811	18392	0.69	2.55
82	61	23679	23679	1.00	2.19	22437	22437	1.00	2.41
82	64	25218	24361	0.97	2.24	23895	23083	0.97	2.46
82	68	26811	22682	0.85	2.28	25353	21449	0.85	2.50
82	72	28404	20621	0.73	2.32	26811	19465	0.73	2.55
86	61	23679	23679	1.00	2.19	22437	22437	1.00	2.41
86	64	25218	25218	1.00	2.24	23895	23895	1.00	2.46
86	68	26811	24827	0.93	2.28	25353	23477	0.93	2.50
86	72	28404	22894	0.81	2.32	26811	21610	0.81	2.55
90	61	23679	23679	1.00	2.19	22437	22437	1.00	2.41
90	64	25218	25218	1.00	2.24	23895	23895	1.00	2.46
90	68	26811	26811	1.00	2.28	25353	25353	1.00	2.50
90	72	28404	25166	0.89	2.32	26811	23755	0.89	2.55

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
SVZ-KP36NA / SUZ-KA36NAHZ
CAPACITY : 36000(Btu/h) INPUT :3.76(kW) SHF :0.74

		OUTDOOR DB(°F)															
INDOOR	INDOOR	68				77				86				95			
DB(°F)	WB(°F)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	34740	22095	0.64	3.12	34236	21774	0.64	3.26	33552	21339	0.64	3.44	32688	20790	0.64	3.66
68	64	36972	19078	0.52	3.20	36468	18817	0.52	3.34	35748	18446	0.52	3.52	34812	17963	0.52	3.74
68	61	34740	23484	0.68	3.12	34236	23144	0.68	3.26	33552	22681	0.68	3.44	32688	22097	0.68	3.66
68	64	36972	20556	0.56	3.20	36468	20276	0.56	3.34	35748	19876	0.56	3.52	34812	19355	0.56	3.74
68	68	39276	17124	0.44	3.28	38736	16889	0.44	3.41	38016	16575	0.44	3.59	37008	16135	0.44	3.81
72	61	34740	26263	0.76	3.12	34236	25882	0.76	3.26	33552	25365	0.76	3.44	32688	24712	0.76	3.66
72	64	36972	23514	0.64	3.20	36468	23194	0.64	3.34	35748	22736	0.64	3.52	34812	22140	0.64	3.74
72	68	39276	20266	0.52	3.28	38736	19988	0.52	3.41	38016	19616	0.52	3.59	37008	19096	0.52	3.81
75	61	34740	29043	0.84	3.12	34236	28621	0.84	3.26	33552	28049	0.84	3.44	32688	27327	0.84	3.66
75	64	36972	26472	0.72	3.20	36468	26111	0.72	3.34	35748	25596	0.72	3.52	34812	24925	0.72	3.74
75	68	39276	23408	0.60	3.28	38736	23087	0.60	3.41	38016	22658	0.60	3.59	37008	22057	0.60	3.81
75	72	41580	19792	0.48	3.35	41076	19552	0.48	3.49	40284	19175	0.48	3.66	39240	18678	0.48	3.88
79	61	34740	31822	0.92	3.12	34236	31360	0.92	3.26	33552	30734	0.92	3.44	32688	29942	0.92	3.66
79	64	36972	29430	0.80	3.20	36468	29029	0.80	3.34	35748	28455	0.80	3.52	34812	27710	0.80	3.74
79	68	39276	26551	0.68	3.28	38736	26186	0.68	3.41	38016	25699	0.68	3.59	37008	25017	0.68	3.81
79	72	41580	23118	0.56	3.35	41076	22838	0.56	3.49	40284	22398	0.56	3.66	39240	21817	0.56	3.88
81	61	34740	33211	0.96	3.12	34236	32730	0.96	3.26	33552	32076	0.96	3.44	32688	31250	0.96	3.66
81	64	36972	30909	0.84	3.20	36468	30487	0.84	3.34	35748	29885	0.84	3.52	34812	29103	0.84	3.74
81	68	39276	28122	0.72	3.28	38736	27735	0.72	3.41	38016	27219	0.72	3.59	37008	26498	0.72	3.81
81	72	41580	24782	0.60	3.35	41076	24481	0.60	3.49	40284	24009	0.60	3.66	39240	23387	0.60	3.88
82	61	34740	34601	1.00	3.12	34236	34099	1.00	3.26	33552	33418	1.00	3.44	32688	32557	1.00	3.66
82	64	36972	32387	0.88	3.20	36468	31946	0.88	3.34	35748	31315	0.88	3.52	34812	30495	0.88	3.74
82	68	39276	29693	0.76	3.28	38736	29284	0.76	3.41	38016	28740	0.76	3.59	37008	27978	0.76	3.81
82	72	41580	26445	0.64	3.35	41076	26124	0.64	3.49	40284	25621	0.64	3.66	39240	24957	0.64	3.88
86	61	34740	34740	1.00	3.12	34236	34236	1.00	3.26	33552	33552	1.00	3.44	32688	32688	1.00	3.66
86	64	36972	35345	0.96	3.20	36468	34863	0.96	3.34	35748	34175	0.96	3.52	34812	33280	0.96	3.74
86	68	39276	32835	0.84	3.28	38736	32383	0.84	3.41	38016	31781	0.84	3.59	37008	30939	0.84	3.81
86	72	41580	29771	0.72	3.35	41076	29410	0.72	3.49	40284	28843	0.72	3.66	39240	28096	0.72	3.88
90	61	34740	34740	1.00	3.12	34236	34236	1.00	3.26	33552	33552	1.00	3.44	32688	32688	1.00	3.66
90	64	36972	36972	1.00	3.20	36468	36468	1.00	3.34	35748	35748	1.00	3.52	34812	34812	1.00	3.74
90	68	39276	35977	0.92	3.28	38736	35482	0.92	3.41	38016	34823	0.92	3.59	37008	33899	0.92	3.81
90	72	41580	33098	0.80	3.35	41076	32696	0.80	3.49	40284	32066	0.80	3.66	39240	31235	0.80	3.88

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

COOLING operation at Rated frequency
SVZ-KP36NA / SUZ-KA36NAHZ
CAPACITY : 36000(Btu/h) INPUT :3.76(kW) SHF :0.74

		OUTDOOR DB(℉)							
INDOOR	INDOOR	104				115			
DB(℉)	WB(℉)	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
68	61	31572	20080	0.64	3.93	29916	19027	0.64	4.32
68	64	33624	17350	0.52	4.00	31860	16440	0.52	4.40
68	61	31572	21343	0.68	3.93	29916	20223	0.68	4.32
68	64	33624	18695	0.56	4.00	31860	17714	0.56	4.40
68	68	35748	15586	0.44	4.08	33804	14739	0.44	4.48
72	61	31572	23868	0.76	3.93	29916	22616	0.76	4.32
72	64	33624	21385	0.64	4.00	31860	20263	0.64	4.40
72	68	35748	18446	0.52	4.08	33804	17443	0.52	4.48
75	61	31572	26394	0.84	3.93	29916	25010	0.84	4.32
75	64	33624	24075	0.72	4.00	31860	22812	0.72	4.40
75	68	35748	21306	0.60	4.08	33804	20147	0.60	4.48
75	72	37872	18027	0.48	4.16	35748	17016	0.48	4.57
79	61	31572	28920	0.92	3.93	29916	27403	0.92	4.32
79	64	33624	26765	0.80	4.00	31860	25361	0.80	4.40
79	68	35748	24166	0.68	4.08	33804	22852	0.68	4.48
79	72	37872	21057	0.56	4.16	35748	19876	0.56	4.57
81	61	31572	30183	0.96	3.93	29916	28600	0.96	4.32
81	64	33624	28110	0.84	4.00	31860	26635	0.84	4.40
81	68	35748	25596	0.72	4.08	33804	24204	0.72	4.48
81	72	37872	22572	0.60	4.16	35748	21306	0.60	4.57
82	61	31572	31446	1.00	3.93	29916	29796	1.00	4.32
82	64	33624	29455	0.88	4.00	31860	27909	0.88	4.40
82	68	35748	27025	0.76	4.08	33804	25556	0.76	4.48
82	72	37872	24087	0.64	4.16	35748	22736	0.64	4.57
86	61	31572	31572	1.00	3.93	29916	29916	1.00	4.32
86	64	33624	32145	0.96	4.00	31860	30458	0.96	4.40
86	68	35748	29885	0.84	4.08	33804	28260	0.84	4.48
86	72	37872	27116	0.72	4.16	35748	25596	0.72	4.57
90	61	31572	31572	1.00	3.93	29916	29916	1.00	4.32
90	64	33624	33624	1.00	4.00	31860	31860	1.00	4.40
90	68	35748	32745	0.92	4.08	33804	30964	0.92	4.48
90	72	37872	30146	0.80	4.16	35748	28455	0.80	4.57

Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

HEATING operation at Rated frequency

SVZ-KP12NA / SUZ-KA12NAHZ

CAPACITY : 15000(Btu/h) INPUT : 1.13(kW)

	OUTDOOR WB(°F)											
INDOOR	14		23		32		41		50		59	
DB(°F)	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
59	10350	0.89	12600	1.04	13725	1.11	15675	1.10	17025	1.15	18600	1.21
68	9825	0.92	12075	1.07	13125	1.13	15075	1.12	16425	1.18	18000	1.23
77	9450	0.94	11700	1.09	12750	1.16	14550	1.15	15900	1.20	17400	1.26

SVZ-KP18NA / SUZ-KA18NAHZ

CAPACITY : 21600(Btu/h) INPUT : 1.88(kW)

	OUTDOOR WB(°F)											
INDOOR	14		23		32		41		50		59	
DB(°F)	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
59	14904	1.48	18144	1.73	19764	1.84	22572	1.82	24516	1.91	26784	2.01
68	14148	1.52	17388	1.77	18900	1.89	21708	1.87	23652	1.96	25920	2.05
77	13608	1.57	16848	1.82	18360	1.93	20952	1.91	22896	2.00	25056	2.10

SVZ-KP24NA / SUZ-KA24NAHZ

CAPACITY : 23000(Btu/h) INPUT : 2.14(kW)

	OUTDOOR WB(°F)											
INDOOR	14		23		32		41		50		59	
DB(°F)	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
59	14605	1.26	15870	1.39	17710	1.61	23230	1.93	26220	2.14	29210	2.31
68	14030	1.37	15180	1.50	16790	1.73	22425	2.08	25300	2.31	28175	2.48
77	13570	1.46	14720	1.63	16100	1.88	21160	2.20	24380	2.47	27140	2.66

SVZ-KP30NA / SUZ-KA30NAHZ

CAPACITY : 32000(Btu/h) INPUT : 2.40(kW)

	OUTDOOR WB(°F)											
INDOOR	14		23		32		41		50		59	
DB(°F)	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
59	20320	1.42	22080	1.56	24640	1.80	32320	2.16	36480	2.40	40640	2.59
68	19520	1.54	21120	1.68	23360	1.94	31200	2.33	35200	2.59	39200	2.78
77	18880	1.63	20480	1.82	22400	2.11	29440	2.47	33920	2.77	37760	2.99

SVZ-KP36NA / SUZ-KA36NAHZ

CAPACITY : 37000(Btu/h) INPUT : 3.28(kW)

	OUTDOOR WB(°F)											
INDOOR	14		23		32		41		50		59	
DB(°F)	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
59	23495	1.94	25530	2.13	28490	2.46	37370	2.95	42180	3.28	46990	3.54
68	22570	2.10	24420	2.30	27010	2.66	36075	3.18	40700	3.54	45325	3.80
77	21830	2.23	23680	2.49	25900	2.89	34040	3.38	39220	3.79	43660	4.08

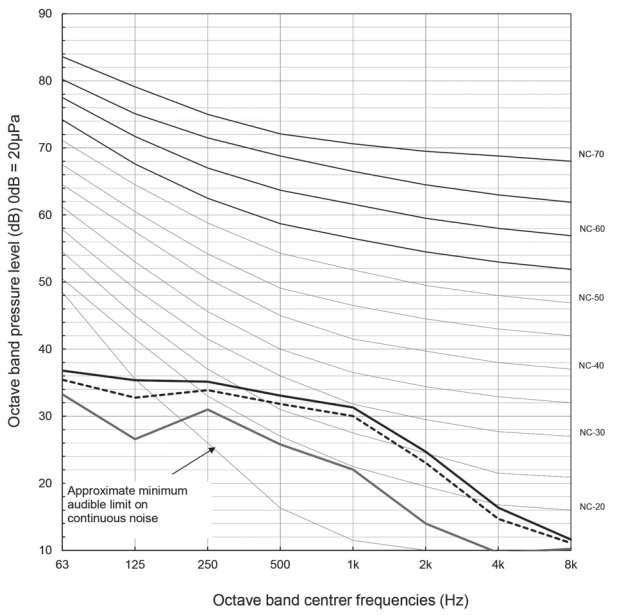
Note: C A :Capacity (Btu/h) SHC :Sensible heat capacity (Btu/h)
P.C. :Power consumption (kW) SHF :Sensible heat factor

A.7.6 NOISE CRITERIA CURVES

SVZ-KP12NA

Condition	A scale	LINE
High	36	——
Middle	34	- -
Low	28	——
-	-	- -

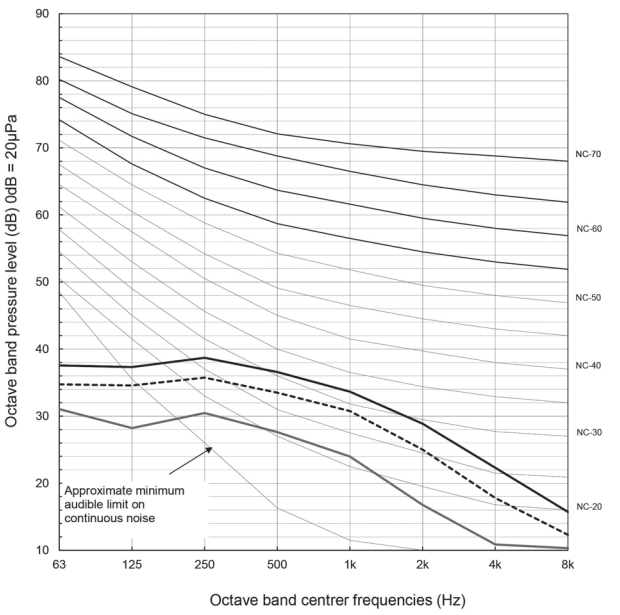
External Static Pressure : 0.3inWG. (75Pa)



SVZ-KP12NA

Condition	A scale	LINE
High	39	——
Middle	36	- -
Low	29	——
-	-	- -

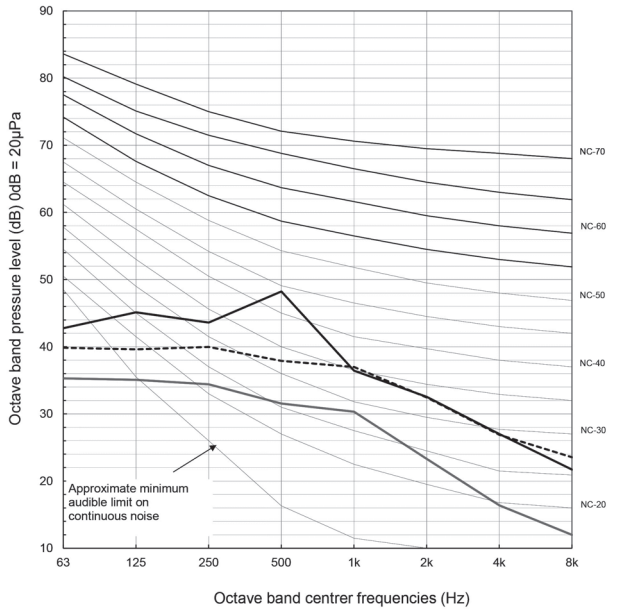
External Static Pressure : 0.5inWG. (125Pa)



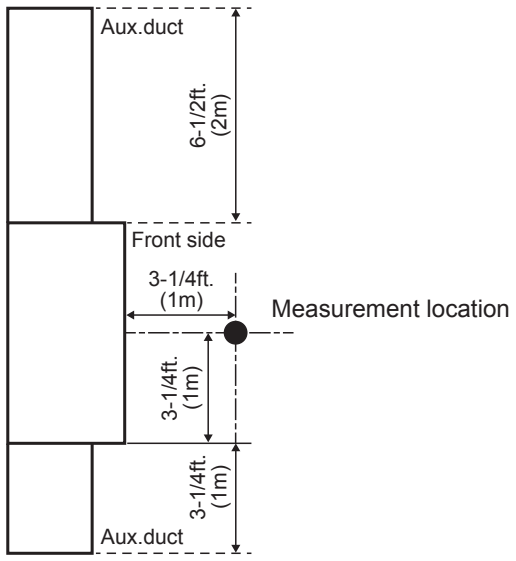
SVZ-KP12NA

Condition	A scale	LINE
High	47	——
Middle	42	- -
Low	35	——
-	-	- -

External Static Pressure : 0.8inWG. (200Pa)



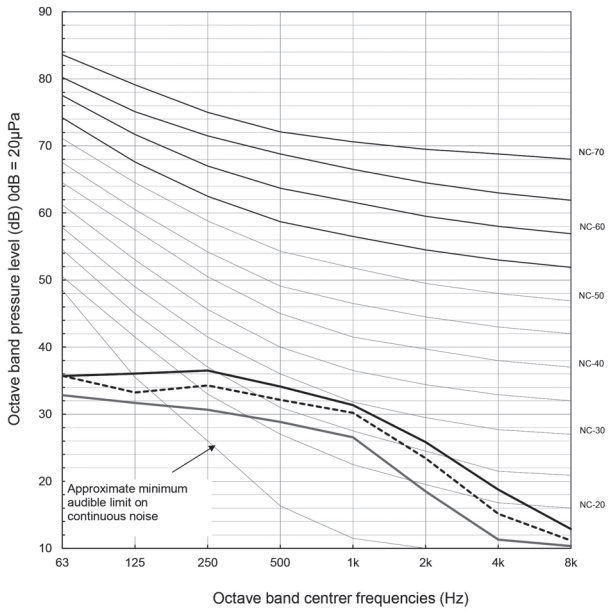
Multi-Position



SVZ-KP18NA

Condition	A scale	LINE
High	36	———
Middle	35	– – –
Low	31	———
-	-	– – –

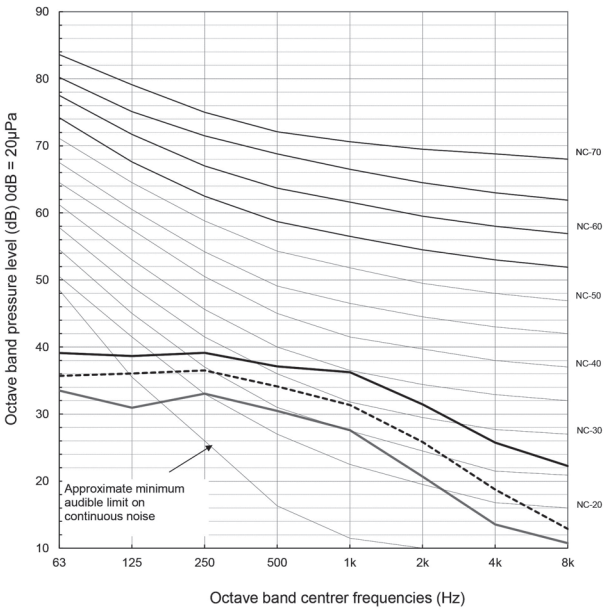
External Static Pressure : 0.3inWG. (75Pa)



SVZ-KP18NA

Condition	A scale	LINE
High	41	———
Middle	36	– – –
Low	33	———
-	-	– – –

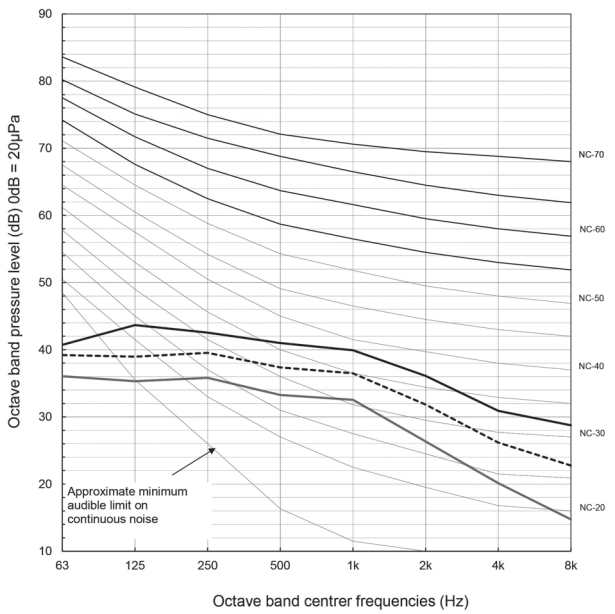
External Static Pressure : 0.5inWG. (125Pa)



SVZ-KP18NA

Condition	A scale	LINE
High	45	———
Middle	41	– – –
Low	37	———
-	-	– – –

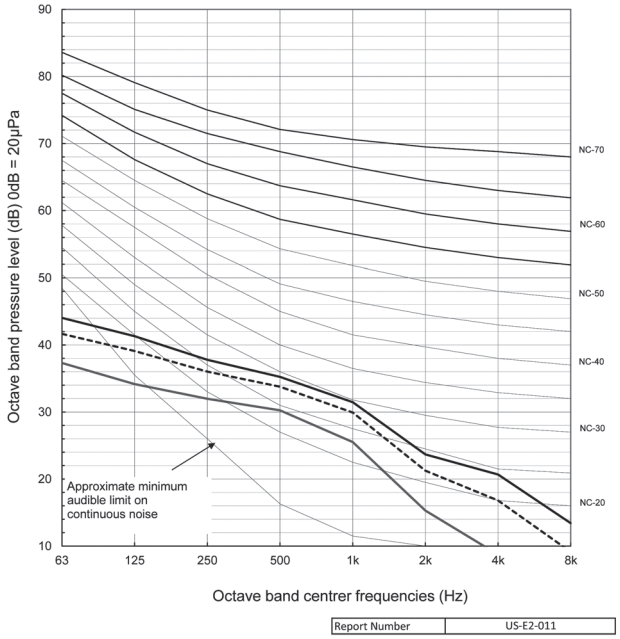
External Static Pressure : 0.8inWG. (200Pa)



SVZ-KP24NA

Condition	A scale	LINE
High	37	———
Middle	35	– –
Low	31	———
-	-	– –

External Static Pressure : 0.3inWG. (75Pa)

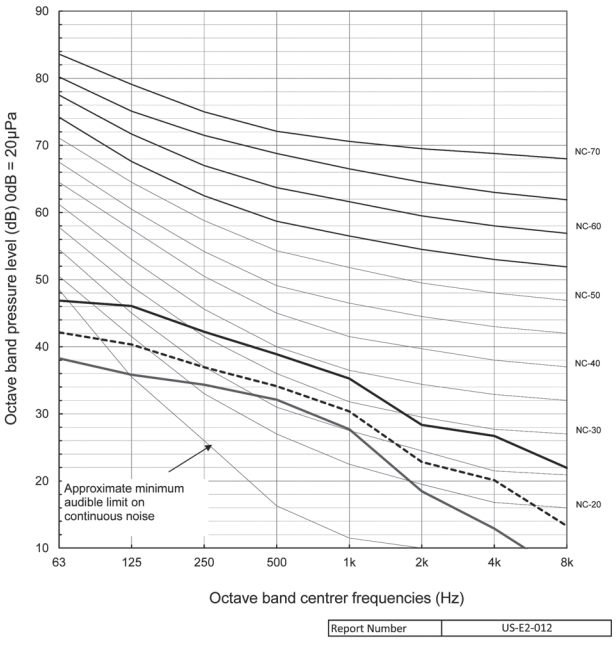


Report Number	US-E2-011

SVZ-KP24NA

Condition	A scale	LINE
High	41	———
Middle	36	– –
Low	33	———
-	-	– –

External Static Pressure : 0.5inWG. (125Pa)

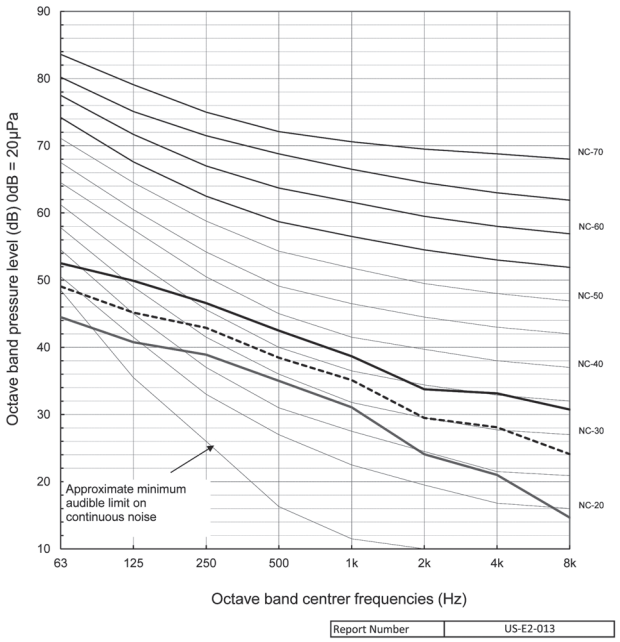


Report Number	US-E2-012

SVZ-KP24NA

Condition	A scale	LINE
High	45	———
Middle	41	– –
Low	37	———
-	-	– –

External Static Pressure : 0.8inWG. (200Pa)

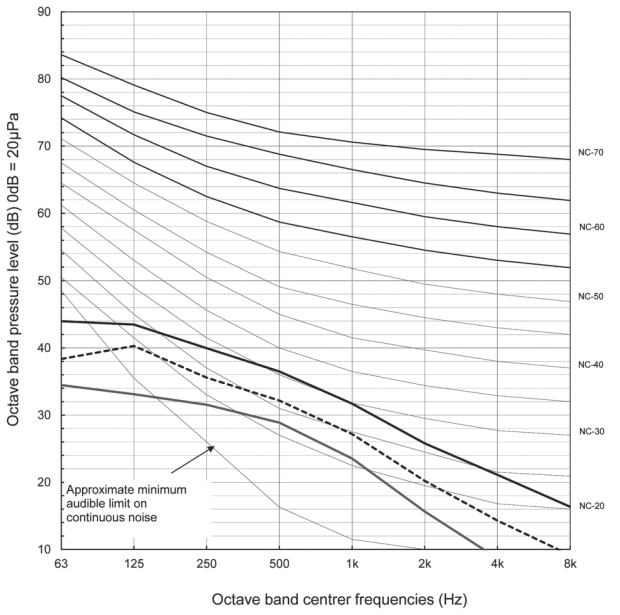


Report Number	US-E2-013

SVZ-KP30NA

Condition	A scale	LINE
High	38	———
Middle	34	– – –
Low	30	———
-	-	– – –

External Static Pressure : 0.3inWG. (75Pa)

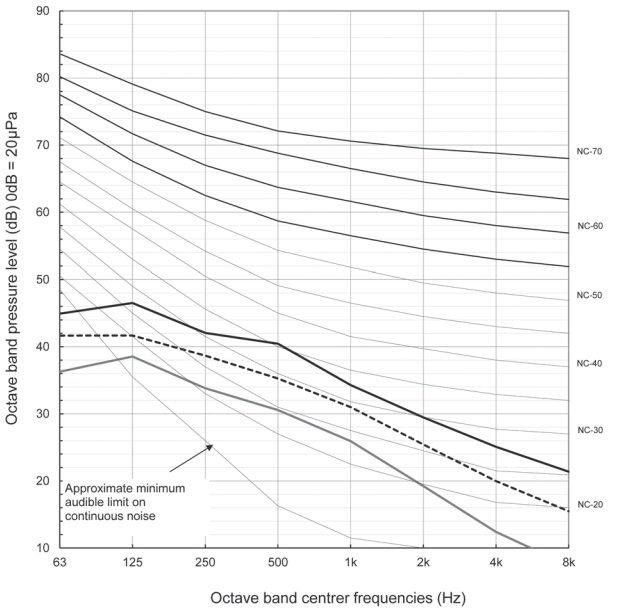


Report Number	US-E2-014

SVZ-KP30NA

Condition	A scale	LINE
High	41	———
Middle	37	– – –
Low	32	———
-	-	– – –

External Static Pressure : 0.5inWG. (125Pa)

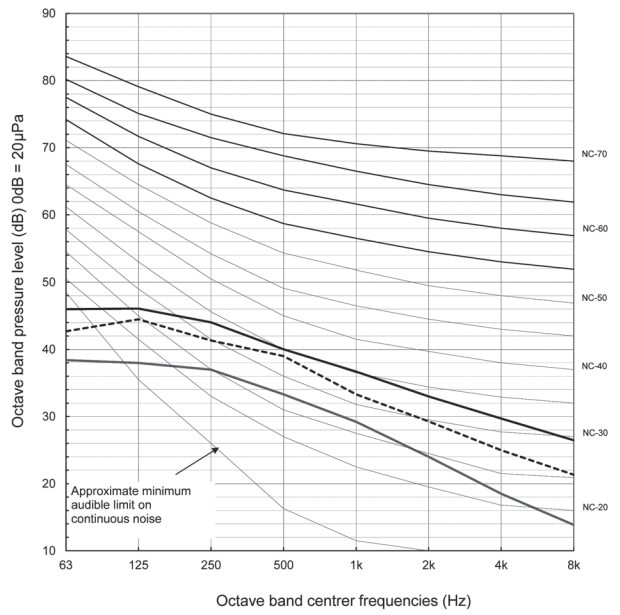


Report Number	US-E2-015

SVZ-KP30NA

Condition	A scale	LINE
High	43	———
Middle	40	– – –
Low	35	———
-	-	– – –

External Static Pressure : 0.8inWG. (200Pa)

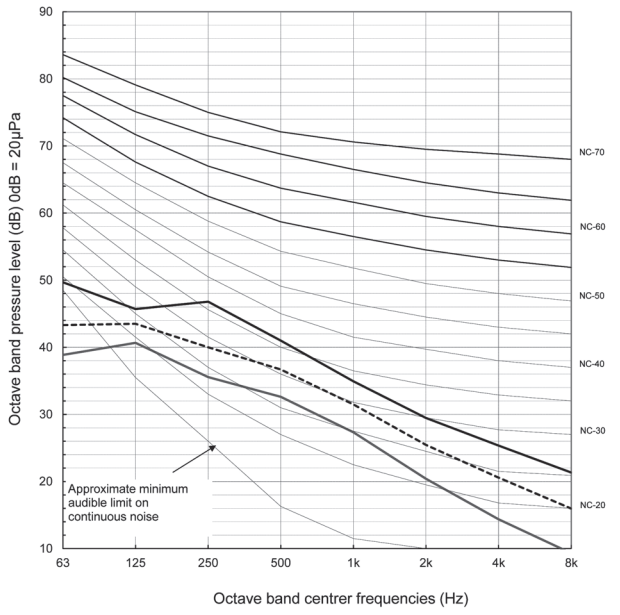


Report Number	US-E2-016

SVZ-KP36NA

Condition	A scale	LINE
High	43	———
Middle	38	– –
Low	34	———
-	-	– –

External Static Pressure : 0.3inWG. (75Pa)

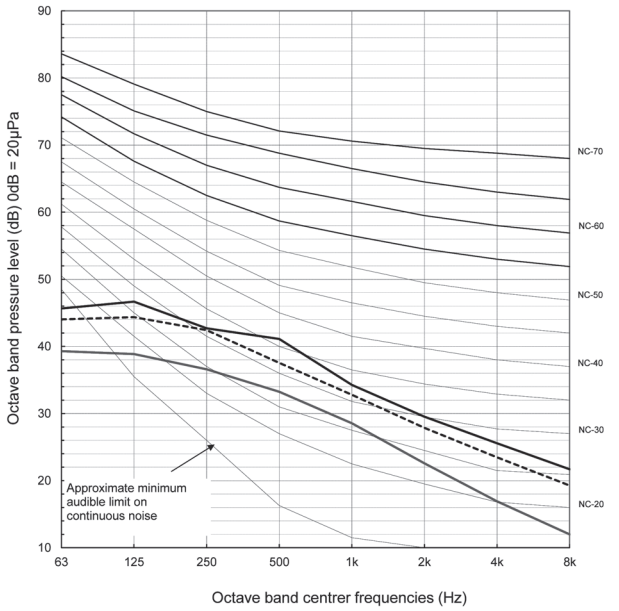


Report Number	US-E2-017

SVZ-KP36NA

Condition	A scale	LINE
High	42	———
Middle	40	– –
Low	35	———
-	-	– –

External Static Pressure : 0.5inWG. (125Pa)

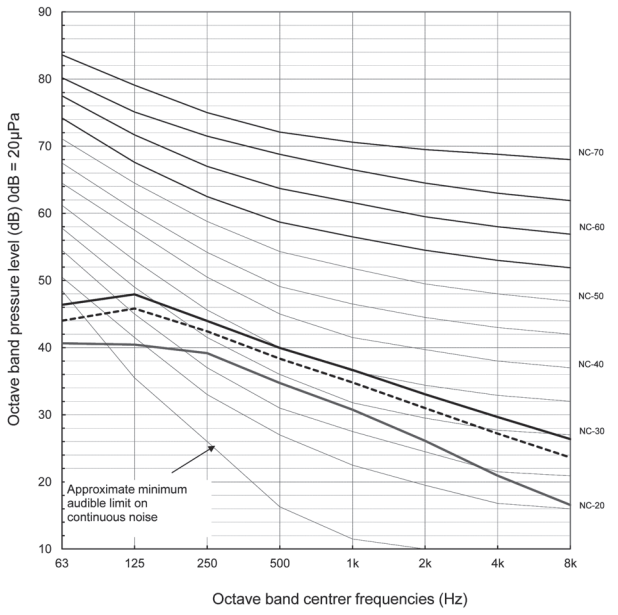


Report Number	US-E2-018

SVZ-KP36NA

Condition	A scale	LINE
High	43	———
Middle	41	– –
Low	37	———
-	-	– –

External Static Pressure : 0.8inWG. (200Pa)

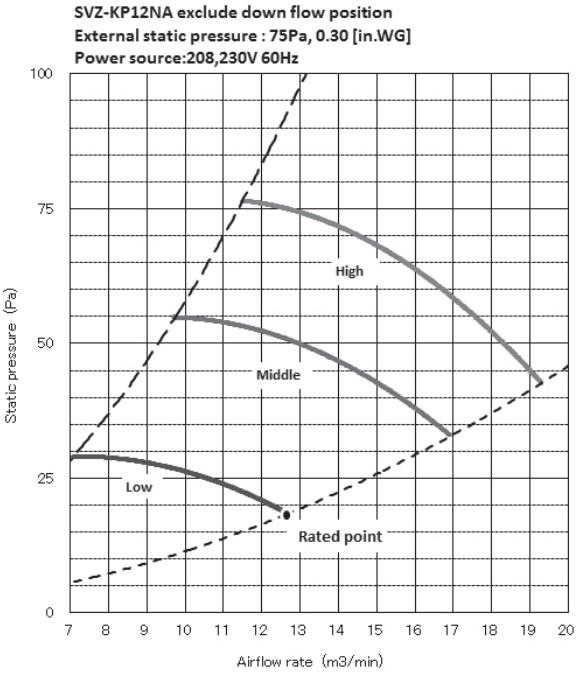


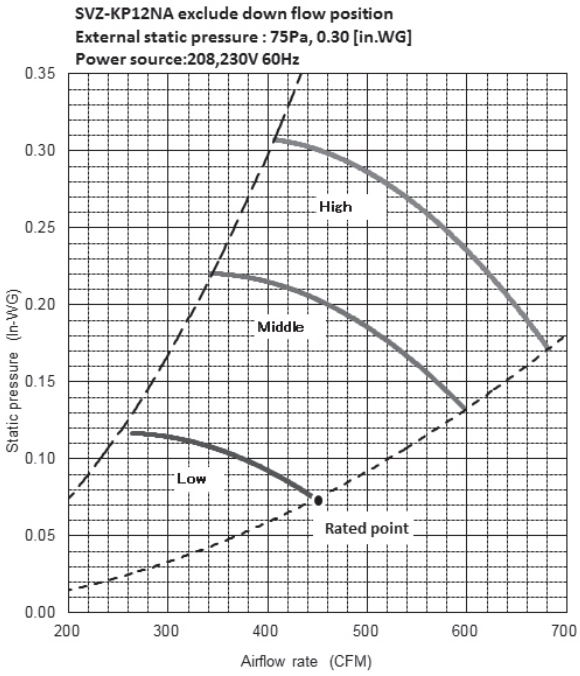
Report Number	US-E2-019

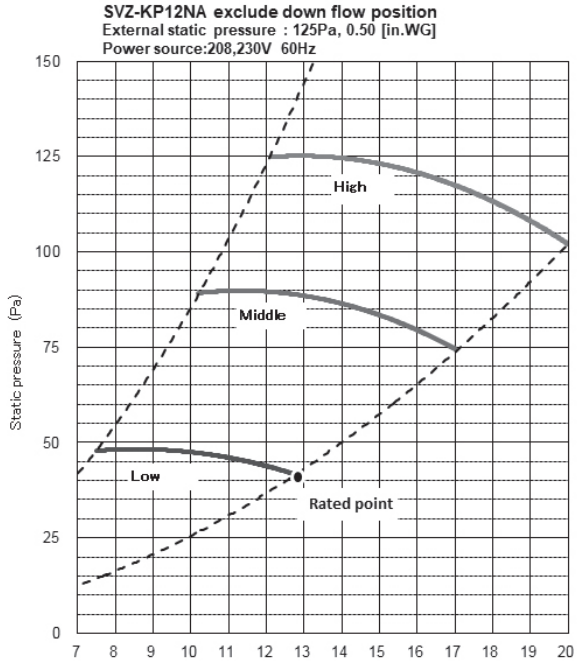
A.7.7 FAN PERFORMANCE

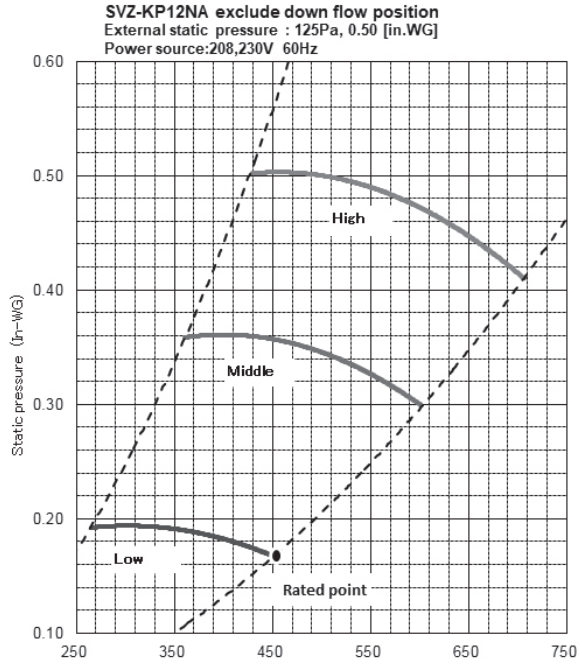
• Vertical, Horizontal Right, Horizontal Left

SVZ-KP12NA

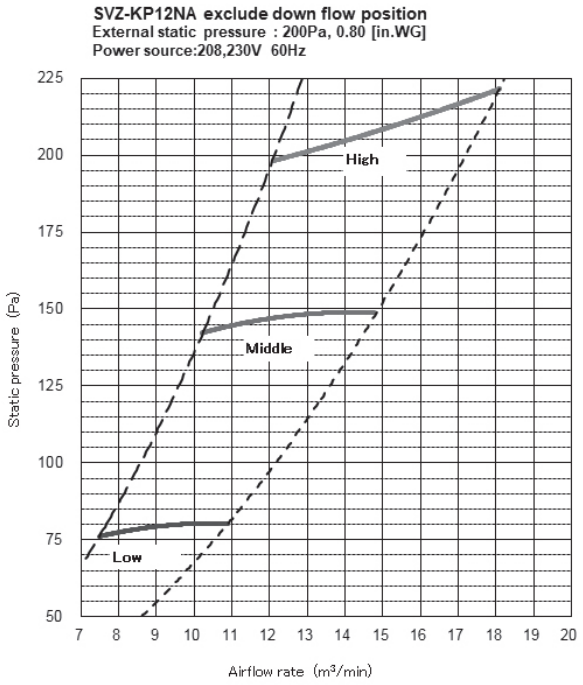


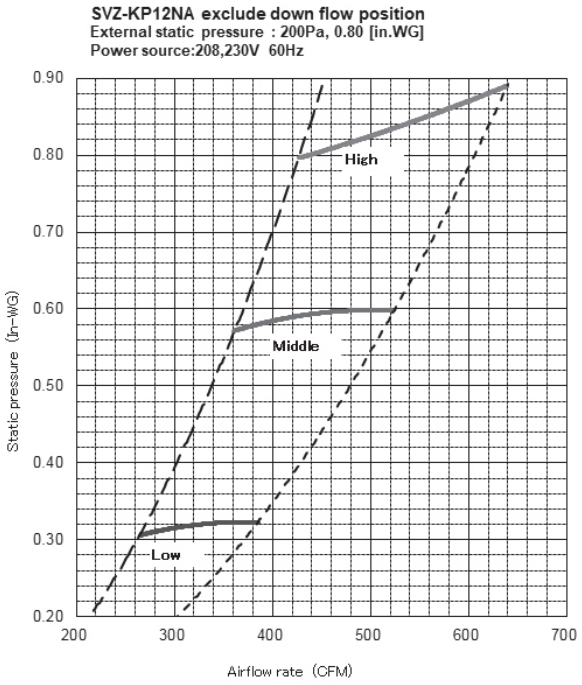






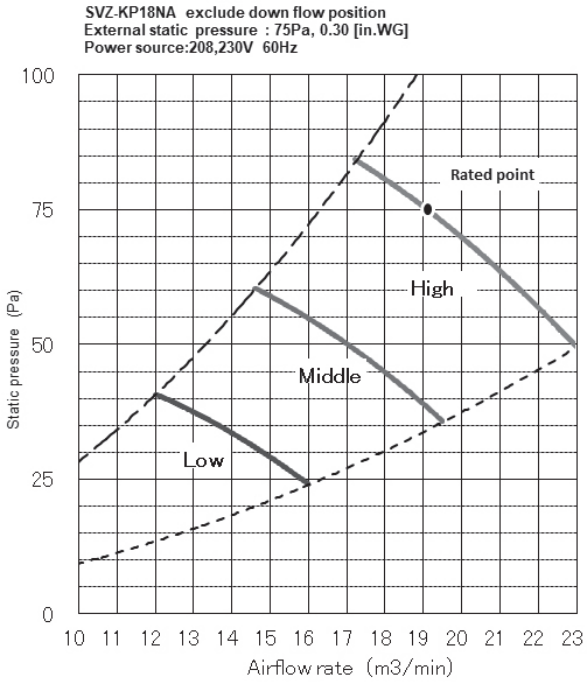
For downflow installations, please see downflow kit manuals.

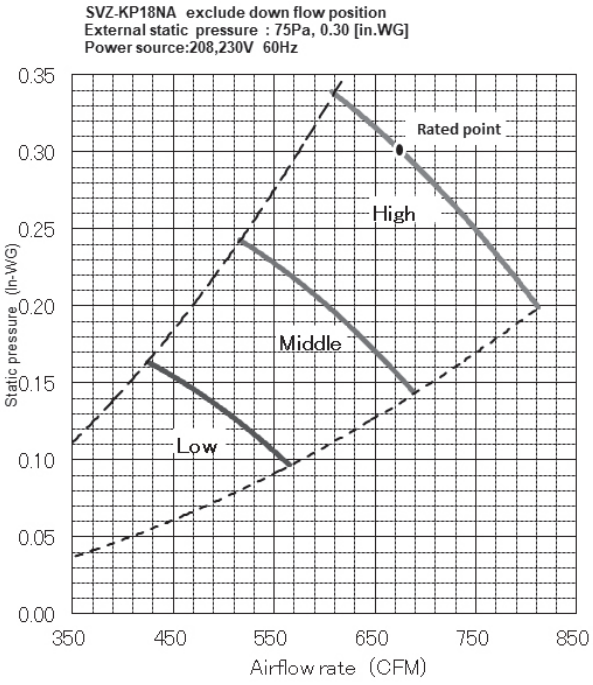




*. 200 Pa (0.80 in WG) does not have "Rated point".

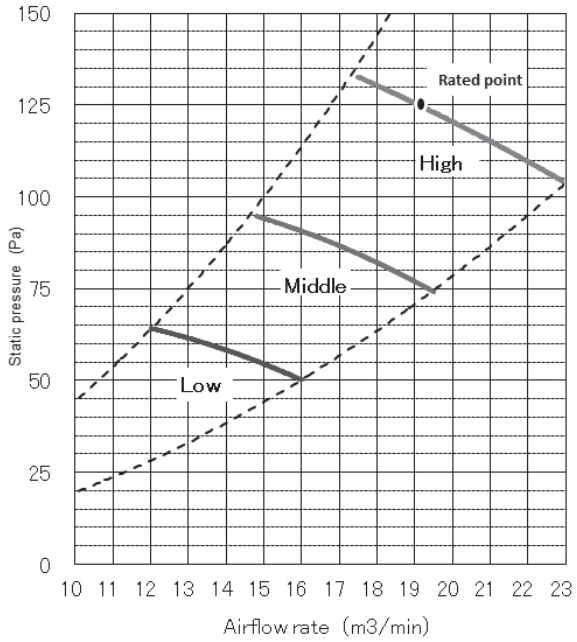
SVZ-KP18NA



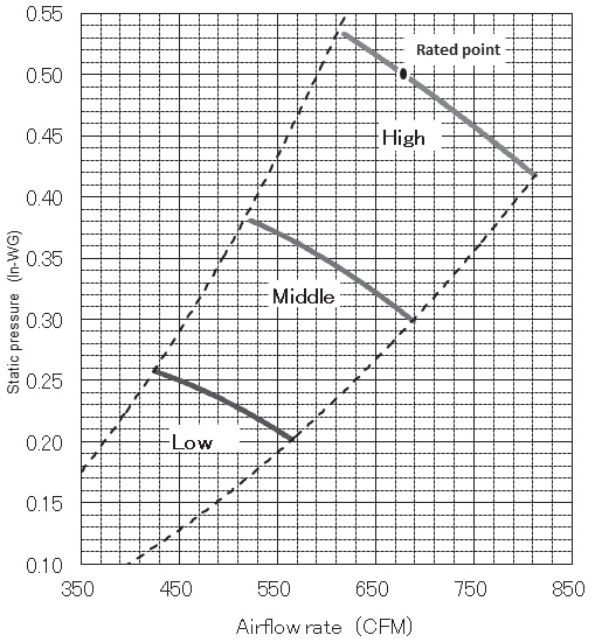


For downflow installations, please see downflow kit manuals.

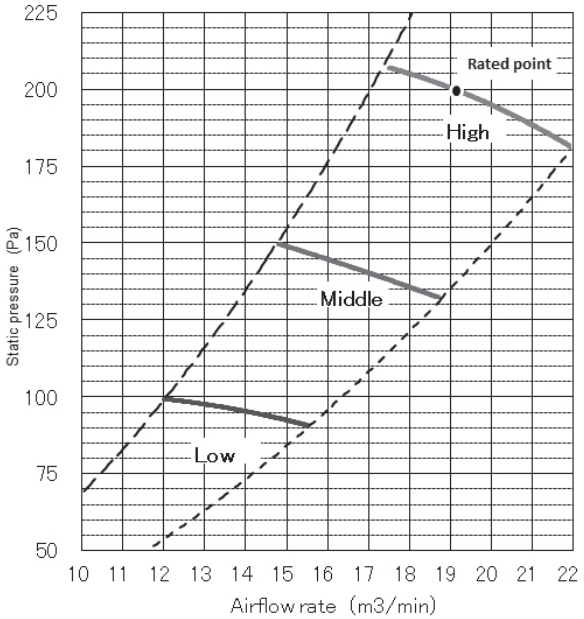
SVZ-KP18NA exclude down flow position
External static pressure : 125Pa, 0.50 [in.WG]
Power source:208,230V 60Hz



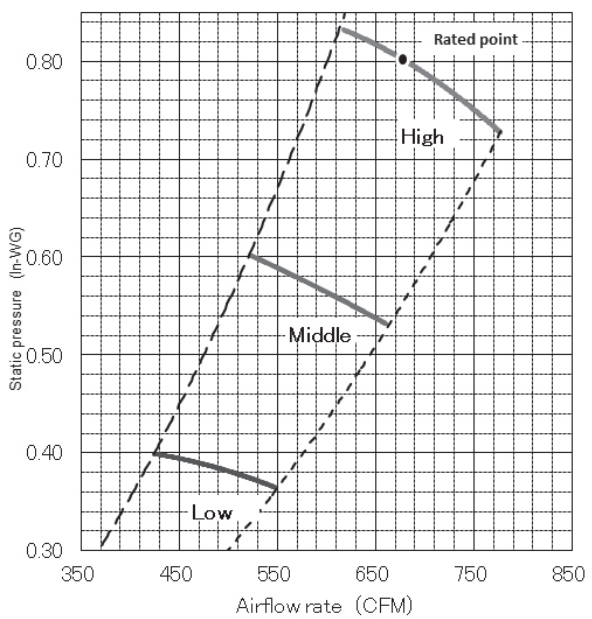
SVZ-KP18NA exclude down flow position
External static pressure : 125Pa, 0.50 [in.WG]
Power source:208,230V 60Hz



SVZ-KP18NA exclude down flow position
External static pressure : 200Pa, 0.80 [in.WG]
Power source:208,230V 60Hz



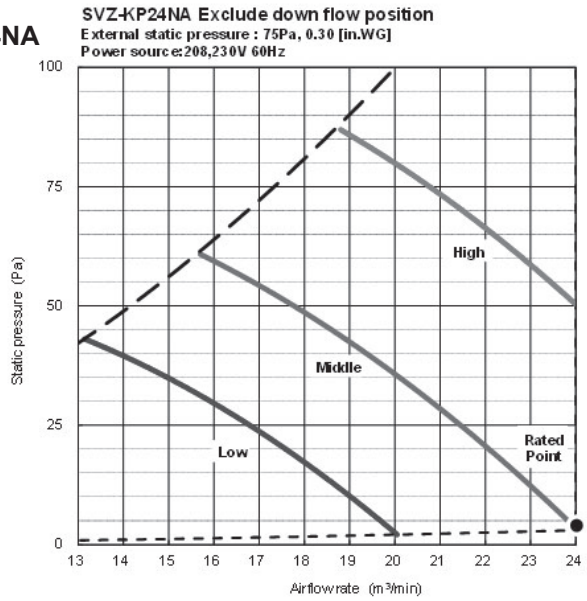
SVZ-KP18NA exclude down flow position
External static pressure : 200Pa, 0.80 [in.WG]
Power source:208,230V 60Hz

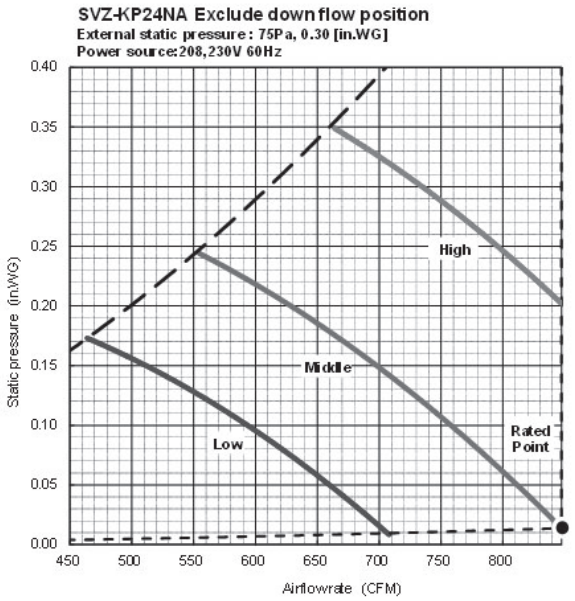


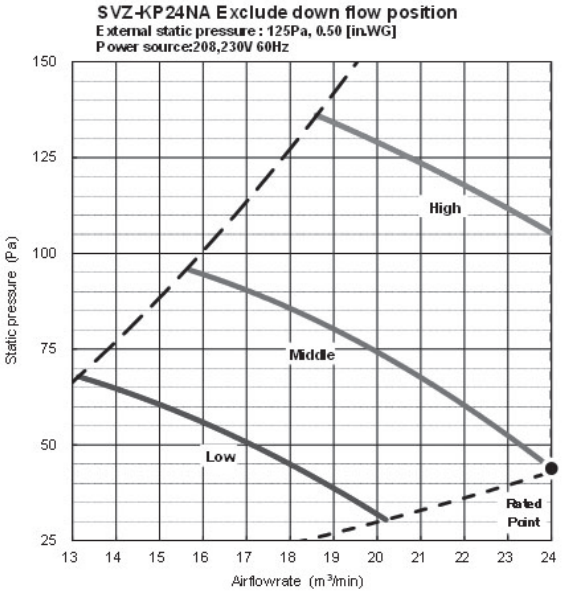
*. 200 Pa (0.80 in WG) does not have "Rated point".

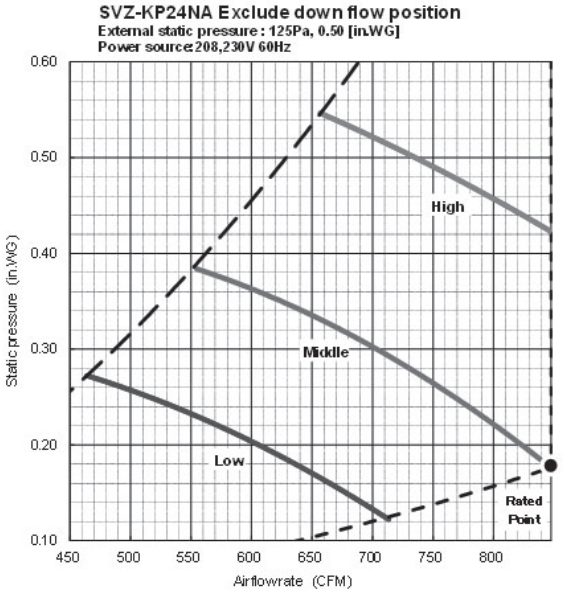
For downflow installations, please see downflow kit manuals.

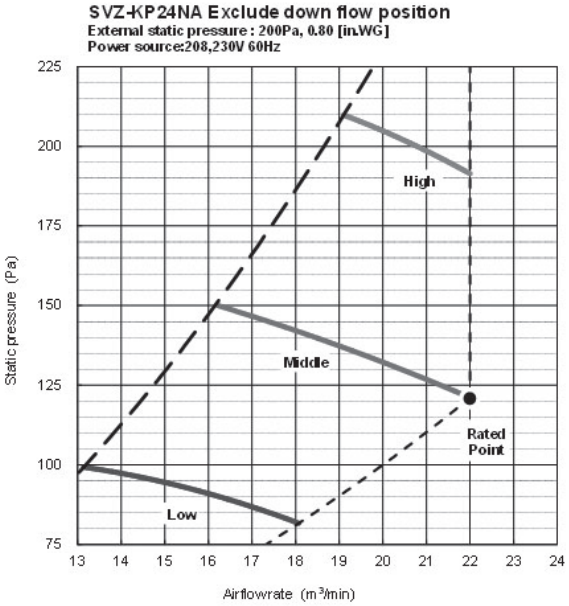
SVZ-KP24NA

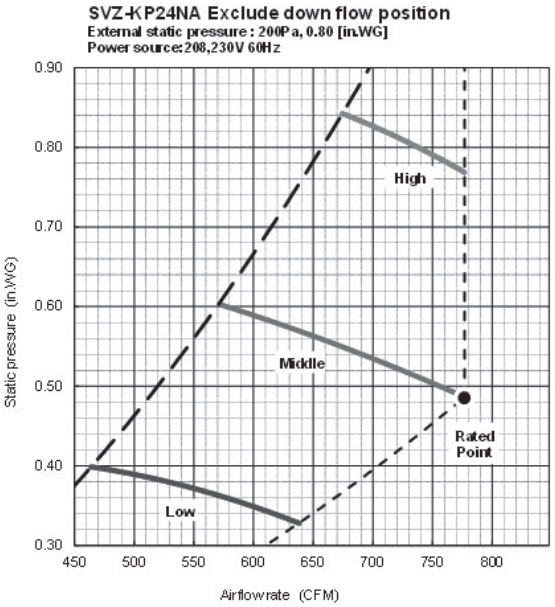






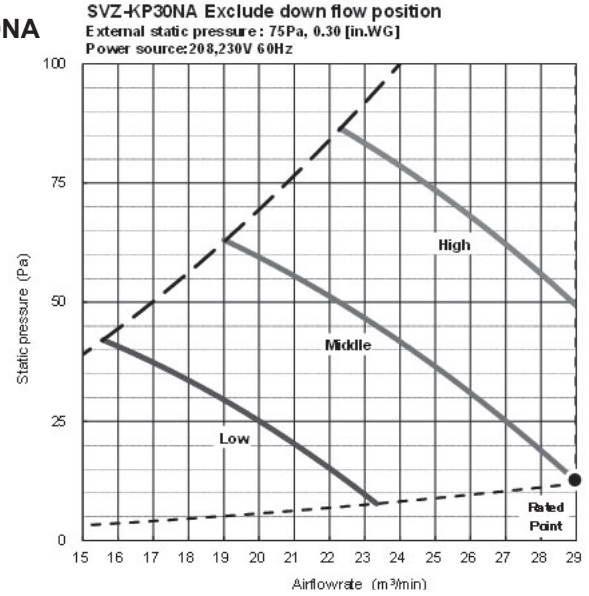


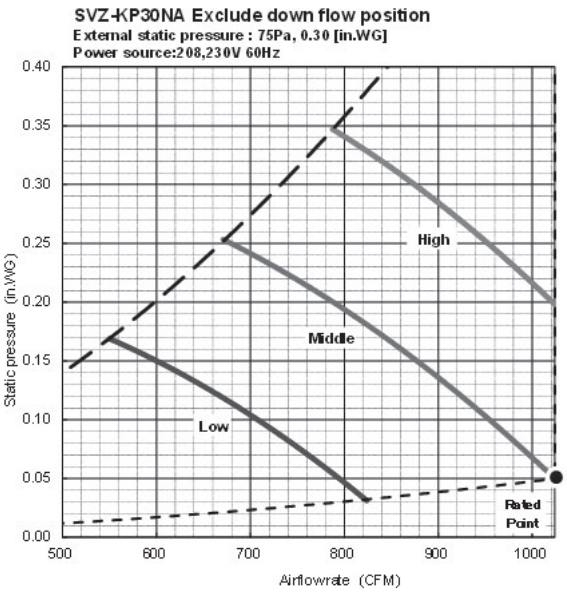


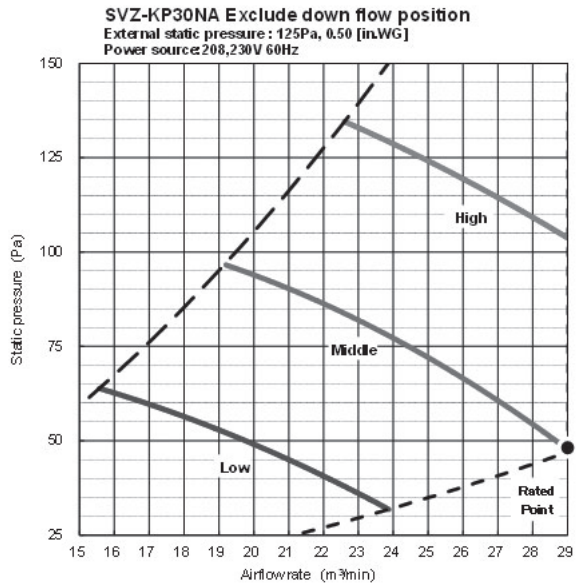


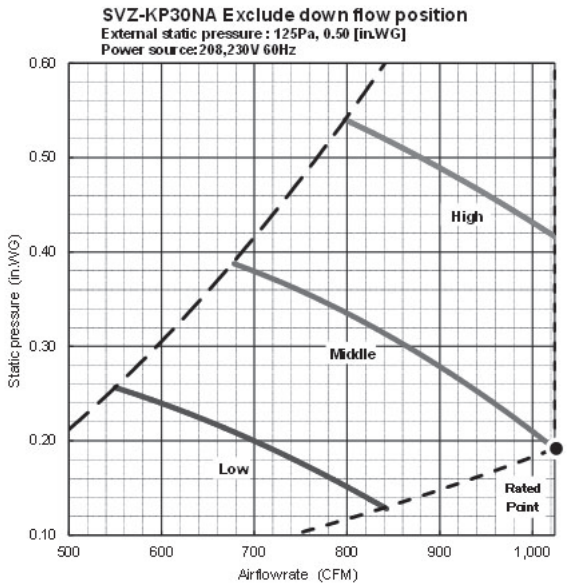
For downflow installations, please see downflow kit manuals.

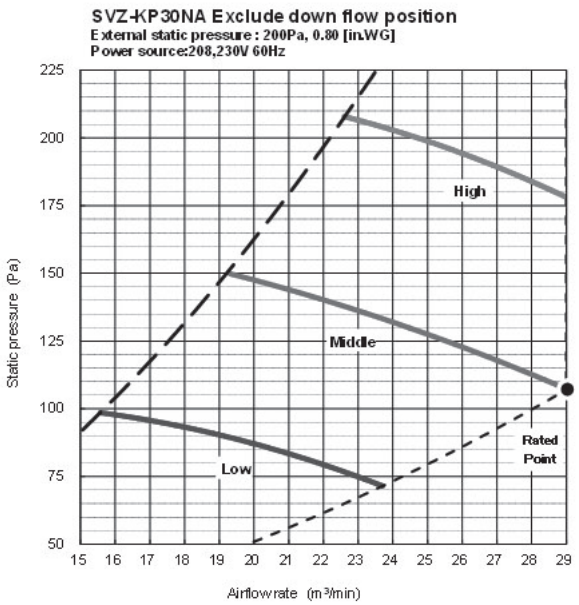
SVZ-KP30NA

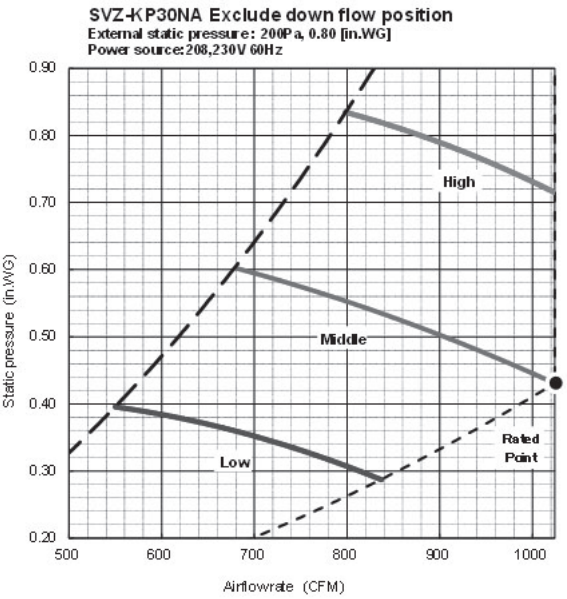






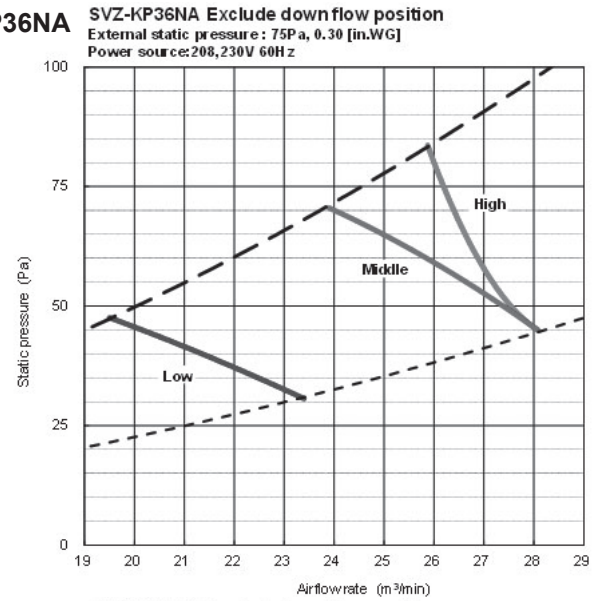


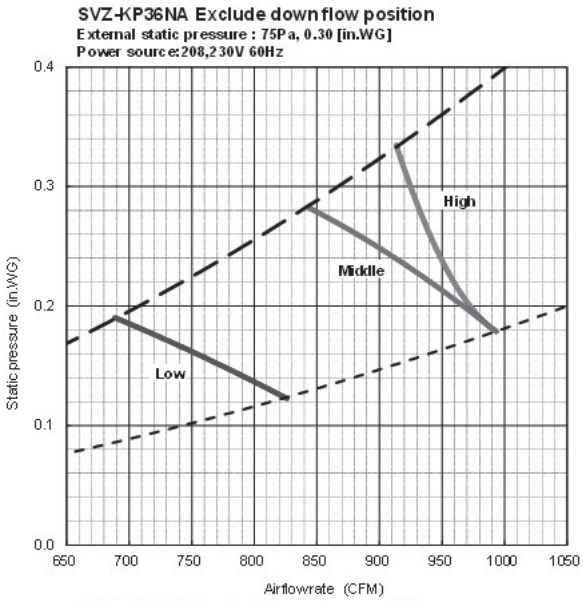


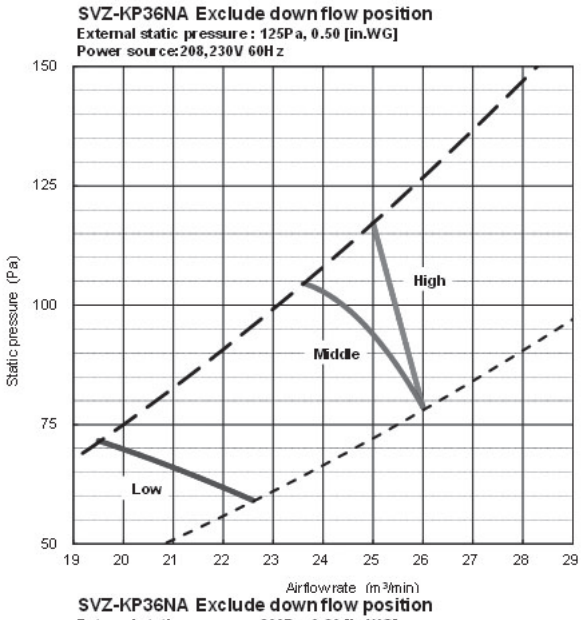


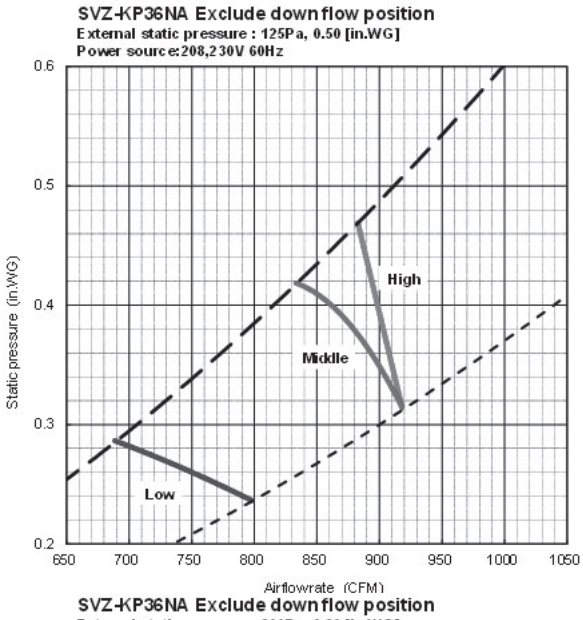
For downflow installations, please see downflow kit manuals.

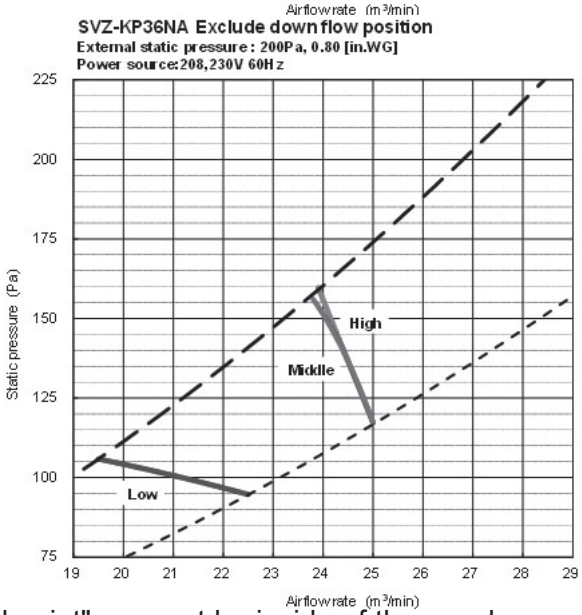
SVZ-KP36NA

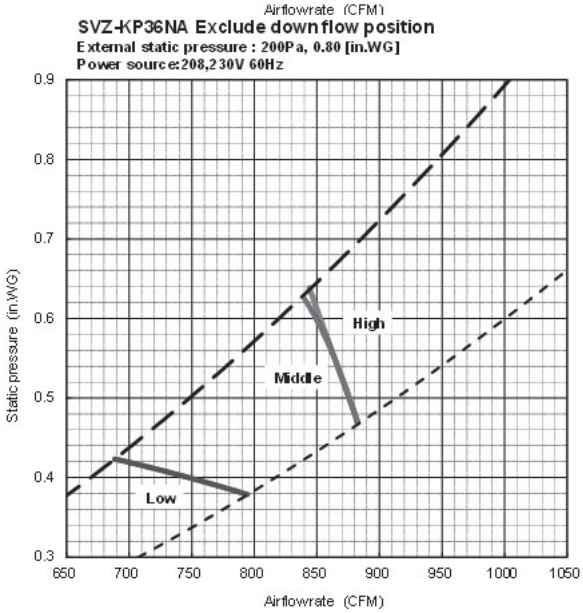










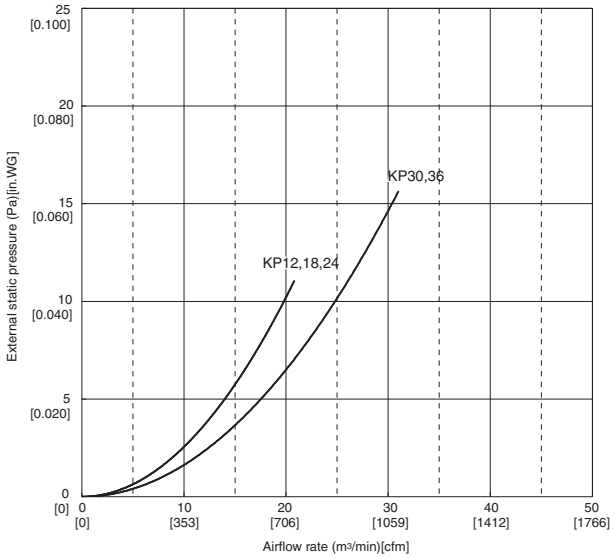


*. "Rated point" may not be inside of the envelope.

For downflow installations, please see downflow kit manuals.

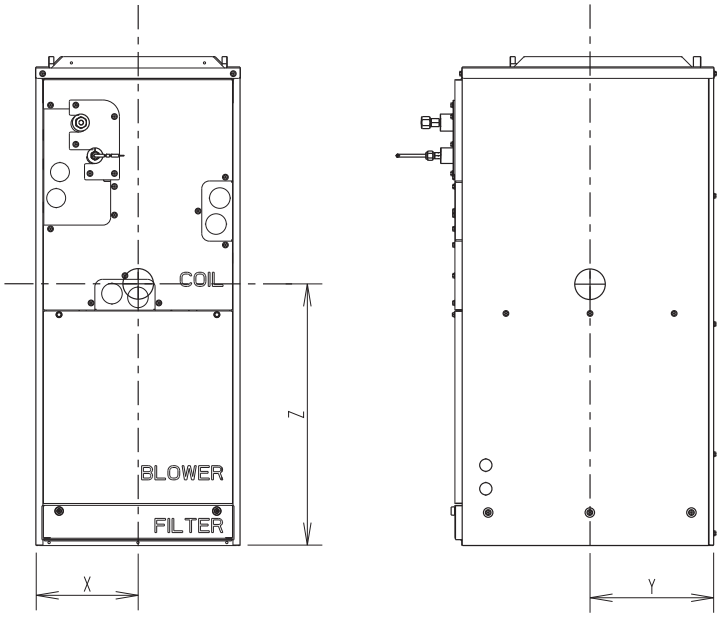
SVZ-KP12, 18, 24, 30, 36NA

Air filter 208-230V 60Hz



For downflow installations, please see downflow kit manuals.

A.7.8 CENTER OF GRAVITY POSITION



Unit: inch(mm)

Model name	X	Y	Z
SVZ-KP12NA	8-1/2 (216)	11 (279)	19-1/2 (495)
SVZ-KP18NA			
SVZ-KP24NA			
SVZ-KP30NA	10-1/2 (267)	12 (305)	22-1/2 (572)
SVZ-KP36NA			

A.7.9 PART LOAD CAPACITY CHART

A.7.9.1 SUZ series

SVZ-KP12NA
SUZ-KA12NA2
1) COOLING

Rated
Q(Btu/h): 12,000
W: 940

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
115	46.1	Q(Btu/h)	10,954	10,954	8,216	5,477	-	3,925	10,257	10,257	7,693	5,129	-	3,676	9,361	9,361	7,021	4,680	-	3,354
		W	1,056	1,056	792	528	-	292	1,030	1,030	773	515	-	285	987	987	740	494	-	273
110	43.3	Q(Btu/h)	11,452	11,452	8,589	5,726	-	4,104	10,656	10,656	7,992	5,328	-	3,818	9,759	9,759	7,320	4,880	-	3,497
		W	1,039	1,039	779	519	-	287	1,013	1,013	760	506	-	280	966	966	724	483	-	267
105	40.6	Q(Btu/h)	11,950	11,950	8,963	5,975	-	4,282	11,054	11,054	8,290	5,527	-	3,961	10,257	10,257	7,693	5,129	-	3,676
		W	1,026	1,026	769	513	-	284	987	987	740	494	-	273	944	944	708	472	-	261
100	37.8	Q(Btu/h)	12,349	12,349	9,261	6,174	-	4,425	11,552	11,552	8,664	5,776	-	4,139	10,656	10,656	7,992	5,328	-	3,818
		W	996	996	747	498	-	275	966	966	724	483	-	267	923	923	692	461	-	255
95	35.0	Q(Btu/h)	12,846	12,846	9,635	6,423	-	4,603	12,000	12,000	9,000	6,000	-	4,300	11,154	11,154	8,365	5,577	-	3,997
		W	979	979	734	489	-	271	940	940	705	470	-	260	901	901	676	451	-	249
90	32.2	Q(Btu/h)	13,245	13,245	9,934	6,622	-	4,746	12,448	12,448	9,336	6,224	-	4,461	11,552	11,552	8,664	5,776	-	4,139
		W	944	944	708	472	-	261	901	901	676	451	-	249	867	867	650	434	-	240
85	29.4	Q(Btu/h)	13,743	13,743	10,307	6,871	-	4,924	12,946	12,946	9,710	6,473	-	4,639	12,050	12,050	9,037	6,025	-	4,318
		W	910	910	682	455	-	252	867	867	650	434	-	240	837	837	628	418	-	232
80	26.7	Q(Btu/h)	14,141	14,141	10,606	7,071	-	5,067	13,344	13,344	10,008	6,672	-	4,782	12,548	12,548	9,411	6,274	-	4,496
		W	876	876	657	438	-	242	828	828	621	414	-	229	803	803	602	401	-	222
75	23.9	Q(Btu/h)	14,639	14,639	10,979	7,320	-	5,246	13,743	13,743	10,307	6,871	-	4,924	12,996	12,996	9,747	6,498	-	4,657
		W	837	837	628	418	-	232	790	790	592	395	-	218	772	772	579	386	-	213
70	21.1	Q(Btu/h)	14,988	14,988	11,241	7,494	-	5,371	14,041	14,041	10,531	7,021	-	5,032	13,444	13,444	10,083	6,722	-	4,817
		W	794	794	596	397	-	220	755	755	567	378	-	209	725	725	544	363	-	201
67	19.4	Q(Btu/h)	15,137	15,137	11,353	7,568	-	5,424	14,340	14,340	10,755	7,170	-	5,139	13,743	13,743	10,307	6,871	-	4,924
		W	755	755	567	378	-	209	725	725	544	363	-	201	687	687	515	343	-	190

* It may not reach the above capacities in low ambient temperatures.

2) HEATING

Rated
Q(Btu/h): 15,000
W: 1,210

Indoor D.B.			77°F / 25.0°C						68°F / 20.0°C						59°F / 15.0°C					
Outdoor W.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
65	18.3	Q(Btu/h)	21,017	18,878	14,158	9,439	-	5,915	21,906	19,676	14,757	9,838	-	6,165	22,652	19,800	14,850	9,900	-	6,204
		W	1,659	1,394	1,045	697	-	311	1,607	1,351	1,013	675	-	301	1,562	1,264	948	632	-	282
60	15.6	Q(Btu/h)	19,934	17,905	13,429	8,952	-	5,610	20,783	18,667	14,000	9,334	-	5,849	21,450	19,125	14,344	9,563	-	5,993
		W	1,639	1,377	1,033	689	-	307	1,584	1,331	998	666	-	297	1,543	1,252	939	626	-	279
55	12.8	Q(Btu/h)	18,819	16,903	12,677	8,452	-	5,296	19,640	17,640	13,230	8,820	-	5,527	20,249	18,450	13,838	9,225	-	5,781
		W	1,612	1,354	1,016	677	-	302	1,553	1,305	979	653	-	291	1,512	1,240	930	620	-	277
50	10.0	Q(Btu/h)	17,675	15,876	11,907	7,938	-	4,974	18,480	16,599	12,449	8,299	-	5,201	19,052	17,700	13,275	8,850	-	5,546
		W	1,576	1,325	993	662	-	296	1,515	1,273	955	637	-	284	1,471	1,228	921	614	-	274
45	7.2	Q(Btu/h)	16,507	14,826	11,120	7,413	-	4,646	17,307	15,545	11,659	7,773	-	4,871	17,857	16,950	12,713	8,475	-	5,311
		W	1,533	1,288	966	644	-	287	1,469	1,234	926	617	-	275	1,420	1,210	908	605	-	270
40	4.4	Q(Btu/h)	15,317	13,758	10,318	6,879	-	4,311	16,125	14,483	10,862	7,242	-	4,538	16,665	16,500	12,375	8,250	-	5,170
		W	1,481	1,245	934	622	-	278	1,415	1,189	892	595	-	265	1,359	1,198	898	599	-	267
35	1.7	Q(Btu/h)	14,111	12,674	9,506	6,337	-	3,971	14,936	13,415	10,062	6,708	-	4,204	15,477	15,600	11,700	7,800	-	4,888
		W	1,422	1,195	896	597	-	267	1,354	1,138	853	569	-	254	1,291	1,174	880	587	-	262
30	-1.1	Q(Btu/h)	12,891	11,578	8,684	5,789	-	3,628	13,744	12,345	9,259	6,172	-	3,868	14,293	14,325	10,744	7,163	-	4,489
		W	1,354	1,138	853	569	-	254	1,285	1,080	810	540	-	241	1,215	1,119	839	560	-	250
25	-3.9	Q(Btu/h)	11,661	10,474	7,856	5,237	-	3,282	12,552	11,274	8,456	5,637	-	3,533	13,113	13,725	10,294	6,863	-	4,301
		W	1,278	1,074	805	537	-	240	1,209	1,016	762	508	-	227	1,133	1,089	817	545	-	243
20	-6.7	Q(Btu/h)	10,426	9,365	7,023	4,682	-	2,934	11,364	10,207	7,655	5,103	-	3,198	11,938	12,750	9,563	6,375	-	3,995
		W	1,194	1,003	752	502	-	224	1,124	945	709	472	-	211	1,046	1,022	767	511	-	228
15	-9.4	Q(Btu/h)	9,189	8,253	6,190	4,127	-	2,586	10,182	9,146	6,859	4,573	-	2,866	10,767	11,700	8,775	5,850	-	3,666
		W	1,102	926	694	463	-	207	1,033	868	651	434	-	194	953	956	717	478	-	213
10	-12.2	Q(Btu/h)	7,953	7,144	5,358	3,572	-	2,238	9,011	8,094	6,070	4,047	-	2,536	9,602	10,650	7,988	5,325	-	3,337
		W	1,002	842	631	421	-	188	933	784	588	392	-	175	857	871	653	436	-	194
5	-15.0	Q(Btu/h)	6,723	6,039	4,529	3,019	-	1,892	7,853	7,054	5,290	3,527	-	2,210	8,443	9,375	7,031	4,688	-	2,938
		W	894	751	563	375	-	168	826	694	521	347	-	155	758	774	581	387	-	173
0	-17.8	Q(Btu/h)	5,503	4,943	3,707	2,471	-	1,549	6,712	6,029	4,522	3,014	-	1,889	7,290	7,500	5,625	3,750	-	2,350
		W	777	653	490	327	-	146	711	598	448	299	-	133	657	641	481	321	-	143
-4	-20.0	Q(Btu/h)	4,536	4,074	3,055	2,037	-	1,276	5,814	5,222	3,916	2,611	-	1,636	6,372	7,500	5,625	3,750	-	2,350
		W	678	570	428	285	-	127	614	516	387	258	-	115	575	641	481	321	-	143

* Above data is for heating operation without any frost.

SVZ-KP18NA
SUZ-KA18NA2
1) COOLING

Rated
Q(Btu/h): 18,000
W: 1,360

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
115	46.1	Q(Btu/h)	16,432	16,432	12,324	8,216	-	5,660	15,386	15,386	11,539	7,693	-	5,300	14,041	14,041	10,531	7,021	-	4,837
		W	1,528	1,528	1,146	764	-	382	1,490	1,490	1,118	745	-	373	1,428	1,428	1,071	714	-	357
110	43.3	Q(Btu/h)	17,178	17,178	12,884	8,589	-	5,917	15,983	15,983	11,988	7,992	-	5,505	14,639	14,639	10,979	7,320	-	5,042
		W	1,503	1,503	1,127	751	-	376	1,466	1,466	1,099	733	-	366	1,397	1,397	1,048	699	-	349
105	40.6	Q(Btu/h)	17,925	17,925	13,444	8,963	-	6,174	16,581	16,581	12,436	8,290	-	5,711	15,386	15,386	11,539	7,693	-	5,300
		W	1,484	1,484	1,113	742	-	371	1,428	1,428	1,071	714	-	357	1,366	1,366	1,025	683	-	342
100	37.8	Q(Btu/h)	18,523	18,523	13,892	9,261	-	6,380	17,328	17,328	12,996	8,664	-	5,968	15,983	15,983	11,988	7,992	-	5,505
		W	1,441	1,441	1,081	720	-	360	1,397	1,397	1,048	699	-	349	1,335	1,335	1,001	668	-	334
95	35.0	Q(Btu/h)	19,270	19,270	14,452	9,635	-	6,637	18,000	18,000	13,500	9,000	-	6,200	16,730	16,730	12,548	8,365	-	5,763
		W	1,416	1,416	1,062	708	-	354	1,360	1,360	1,020	680	-	340	1,304	1,304	978	652	-	326
90	32.2	Q(Btu/h)	19,867	19,867	14,900	9,934	-	6,843	18,672	18,672	14,004	9,336	-	6,432	17,328	17,328	12,996	8,664	-	5,968
		W	1,366	1,366	1,025	683	-	342	1,304	1,304	978	652	-	326	1,254	1,254	941	627	-	314
85	29.4	Q(Btu/h)	20,614	20,614	15,461	10,307	-	7,100	19,419	19,419	14,564	9,710	-	6,689	18,075	18,075	13,556	9,037	-	6,226
		W	1,317	1,317	987	658	-	329	1,254	1,254	941	627	-	314	1,211	1,211	908	605	-	303
80	26.7	Q(Btu/h)	21,212	21,212	15,909	10,606	-	7,306	20,017	20,017	15,012	10,008	-	6,895	18,822	18,822	14,116	9,411	-	6,483
		W	1,267	1,267	950	633	-	317	1,199	1,199	899	599	-	300	1,161	1,161	871	581	-	290
75	23.9	Q(Btu/h)	21,959	21,959	16,469	10,979	-	7,563	20,614	20,614	15,461	10,307	-	7,100	19,494	19,494	14,620	9,747	-	6,715
		W	1,211	1,211	908	605	-	303	1,143	1,143	857	571	-	286	1,117	1,117	837	558	-	279
70	21.1	Q(Btu/h)	22,481	22,481	16,861	11,241	-	7,744	21,062	21,062	15,797	10,531	-	7,255	20,166	20,166	15,124	10,083	-	6,946
		W	1,149	1,149	862	574	-	287	1,093	1,093	820	546	-	273	1,049	1,049	787	525	-	262
67	19.4	Q(Btu/h)	22,705	22,705	17,029	11,353	-	7,821	21,510	21,510	16,133	10,755	-	7,409	20,614	20,614	15,461	10,307	-	7,100
		W	1,093	1,093	820	546	-	273	1,049	1,049	787	525	-	262	994	994	745	497	-	248

* It may not reach the above capacities in low ambient temperatures.

2) HEATING

Rated
Q(Btu/h): 21,600
W: 1,600

Indoor D.B.			77°F / 25.0°C						68°F / 20.0°C						59°F / 15.0°C					
Outdoor W.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
65	18.3	Q(Btu/h)	32,721	27,184	20,388	13,592	-	10,446	34,106	28,334	21,250	14,167	-	10,888	35,267	28,512	21,384	14,256	-	10,956
		W	2,488	1,843	1,382	921	-	518	2,411	1,786	1,339	893	-	502	2,344	1,672	1,254	836	-	470
60	15.6	Q(Btu/h)	31,035	25,783	19,337	12,891	-	9,907	32,356	26,881	20,161	13,440	-	10,329	33,395	27,540	20,655	13,770	-	10,583
		W	2,459	1,821	1,366	911	-	512	2,376	1,760	1,320	880	-	495	2,315	1,656	1,242	828	-	466
55	12.8	Q(Btu/h)	29,299	24,340	18,255	12,170	-	9,353	30,577	25,402	19,052	12,701	-	9,761	31,526	26,568	19,926	13,284	-	10,209
		W	2,418	1,791	1,343	895	-	504	2,330	1,726	1,295	863	-	485	2,269	1,640	1,230	820	-	461
50	10.0	Q(Btu/h)	27,518	22,861	17,146	11,431	-	8,785	28,771	23,902	17,927	11,951	-	9,185	29,661	25,488	19,116	12,744	-	9,794
		W	2,365	1,752	1,314	876	-	493	2,273	1,683	1,263	842	-	473	2,207	1,624	1,218	812	-	457
45	7.2	Q(Btu/h)	25,699	21,350	16,012	10,675	-	8,204	26,945	22,385	16,789	11,193	-	8,602	27,801	24,408	18,306	12,204	-	9,379
		W	2,299	1,703	1,277	852	-	479	2,204	1,632	1,224	816	-	459	2,130	1,600	1,200	800	-	450
40	4.4	Q(Btu/h)	23,847	19,811	14,859	9,906	-	7,613	25,104	20,856	15,642	10,428	-	8,014	25,946	23,760	17,820	11,880	-	9,130
		W	2,222	1,646	1,234	823	-	463	2,123	1,573	1,179	786	-	442	2,039	1,584	1,188	792	-	446
35	1.7	Q(Btu/h)	21,969	18,251	13,688	9,125	-	7,013	23,253	19,318	14,489	9,659	-	7,423	24,096	22,464	16,848	11,232	-	8,632
		W	2,132	1,580	1,185	790	-	444	2,031	1,505	1,128	752	-	423	1,936	1,552	1,164	776	-	437
30	-1.1	Q(Btu/h)	20,069	16,673	12,505	8,336	-	6,407	21,398	17,776	13,332	8,888	-	6,831	22,252	20,628	15,471	10,314	-	7,927
		W	2,031	1,504	1,128	752	-	423	1,928	1,428	1,071	714	-	402	1,823	1,480	1,110	740	-	416
25	-3.9	Q(Btu/h)	18,155	15,083	11,312	7,541	-	5,796	19,542	16,235	12,176	8,117	-	6,238	20,415	19,764	14,823	9,882	-	7,595
		W	1,917	1,420	1,065	710	-	399	1,813	1,343	1,007	671	-	378	1,700	1,440	1,080	720	-	405
20	-6.7	Q(Btu/h)	16,232	13,485	10,114	6,743	-	5,182	17,692	14,698	11,024	7,349	-	5,648	18,585	18,360	13,770	9,180	-	7,055
		W	1,791	1,327	995	663	-	373	1,687	1,249	937	625	-	351	1,568	1,352	1,014	676	-	380
15	-9.4	Q(Btu/h)	14,306	11,885	8,914	5,942	-	4,567	15,853	13,170	9,877	6,585	-	5,061	16,763	16,848	12,636	8,424	-	6,474
		W	1,653	1,224	918	612	-	344	1,549	1,147	860	574	-	323	1,430	1,264	948	632	-	356
10	-12.2	Q(Btu/h)	12,382	10,287	7,715	5,143	-	3,953	14,029	11,655	8,741	5,827	-	4,479	14,950	15,336	11,502	7,668	-	5,893
		W	1,503	1,113	835	557	-	313	1,400	1,037	778	518	-	292	1,285	1,152	864	576	-	324
5	-15.0	Q(Btu/h)	10,467	8,696	6,522	4,348	-	3,342	12,226	10,157	7,618	5,079	-	3,903	13,145	13,500	10,125	6,750	-	5,188
		W	1,340	993	745	496	-	279	1,239	918	688	459	-	258	1,137	1,024	768	512	-	288
0	-17.8	Q(Btu/h)	8,567	7,117	5,338	3,559	-	2,735	10,450	8,681	6,511	4,341	-	3,336	11,350	10,800	8,100	5,400	-	4,150
		W	1,166	864	648	432	-	243	1,067	790	593	395	-	222	985	848	636	424	-	239
-4	-20.0	Q(Btu/h)	7,061	5,866	4,400	2,933	-	2,254	9,051	7,519	5,639	3,760	-	2,889	9,921	10,800	8,100	5,400	-	4,150
		W	1,018	754	565	377	-	212	921	682	512	341	-	192	862	848	636	424	-	239

* Above data is for heating operation without any frost.

SVZ-KP24NA
SUZ-KA24NA2
1) COOLING

Rated
Q(Btu/h): 24,000
W: 1,920

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
115	46.1	Q(Btu/h)	22,037	22,037	16,528	-	-	11,386	20,837	20,837	15,628	-	-	10,766	19,637	19,637	14,728	-	-	10,146
		W	2,267	2,267	1,700	-	-	909	2,190	2,190	1,642	-	-	878	2,113	2,113	1,585	-	-	847
110	43.3	Q(Btu/h)	23,020	23,020	17,265	-	-	11,894	21,820	21,820	16,365	-	-	11,274	20,620	20,620	15,465	-	-	10,654
		W	2,216	2,216	1,662	-	-	889	2,139	2,139	1,604	-	-	858	2,062	2,062	1,547	-	-	827
105	40.6	Q(Btu/h)	23,959	23,959	17,969	-	-	12,379	22,759	22,759	17,069	-	-	11,759	21,559	21,559	16,169	-	-	11,139
		W	2,160	2,160	1,620	-	-	866	2,083	2,083	1,562	-	-	835	2,006	2,006	1,505	-	-	805
100	37.8	Q(Btu/h)	24,865	24,865	18,649	-	-	12,847	23,665	23,665	17,749	-	-	12,227	22,465	22,465	16,849	-	-	11,607
		W	2,100	2,100	1,575	-	-	842	2,023	2,023	1,518	-	-	811	1,947	1,947	1,460	-	-	781
95	35.0	Q(Btu/h)	25,747	25,747	19,310	-	-	13,303	24,547	24,547	18,410	-	-	12,683	23,347	23,347	17,510	-	-	12,063
		W	2,037	2,037	1,528	-	-	817	1,961	1,961	1,470	-	-	786	1,884	1,884	1,413	-	-	755
90	32.2	Q(Btu/h)	26,615	26,615	19,961	-	-	13,751	25,415	25,415	19,061	-	-	13,131	24,215	24,215	18,161	-	-	12,511
		W	1,973	1,973	1,479	-	-	791	1,896	1,896	1,422	-	-	760	1,819	1,819	1,364	-	-	730
85	29.4	Q(Btu/h)	27,478	27,478	20,609	-	-	14,197	26,278	26,278	19,709	-	-	13,577	25,078	25,078	18,809	-	-	12,957
		W	1,907	1,907	1,430	-	-	765	1,830	1,830	1,373	-	-	734	1,753	1,753	1,315	-	-	703
80	26.7	Q(Btu/h)	28,346	28,346	21,259	-	-	14,645	27,146	27,146	20,359	-	-	14,025	25,946	25,946	19,459	-	-	13,405
		W	1,842	1,842	1,381	-	-	739	1,765	1,765	1,324	-	-	708	1,688	1,688	1,266	-	-	677
75	23.9	Q(Btu/h)	29,228	29,228	21,921	-	-	15,101	28,028	28,028	21,021	-	-	14,481	26,828	26,828	20,121	-	-	13,861
		W	1,777	1,777	1,333	-	-	713	1,701	1,701	1,275	-	-	682	1,624	1,624	1,218	-	-	651
70	21.1	Q(Btu/h)	30,135	30,135	22,601	-	-	15,570	28,935	28,935	21,701	-	-	14,950	27,735	27,735	20,801	-	-	14,330
		W	1,716	1,716	1,287	-	-	688	1,639	1,639	1,229	-	-	657	1,562	1,562	1,171	-	-	626
67	19.4	Q(Btu/h)	30,694	30,694	23,020	-	-	15,858	29,494	29,494	22,120	-	-	15,238	28,294	28,294	21,220	-	-	14,618
		W	1,680	1,680	1,260	-	-	674	1,603	1,603	1,202	-	-	643	1,526	1,526	1,145	-	-	612

* It may not reach the above capacities in low ambient temperatures.

2) HEATING

Rated
Q(Btu/h): 25,000
W: 1,910

Indoor D.B.			77°F / 25.0°C						68°F / 20.0°C						59°F / 15.0°C					
Outdoor W.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
65	18.3	Q(Btu/h)	35,238	31,463	23,597	-	-	18,374	36,729	32,794	24,595	-	-	19,152	37,979	33,000	24,750	-	-	19,272
		W	2,614	2,200	1,650	-	-	1,140	2,534	2,132	1,599	-	-	1,105	2,463	1,996	1,497	-	-	1,035
60	15.6	Q(Btu/h)	33,422	29,841	22,381	-	-	17,427	34,845	31,112	23,334	-	-	18,169	35,964	31,875	23,906	-	-	18,615
		W	2,584	2,174	1,631	-	-	1,127	2,497	2,101	1,576	-	-	1,089	2,433	1,977	1,483	-	-	1,025
55	12.8	Q(Btu/h)	31,552	28,172	21,129	-	-	16,452	32,929	29,401	22,050	-	-	17,170	33,951	30,750	23,063	-	-	17,958
		W	2,541	2,138	1,603	-	-	1,108	2,449	2,061	1,545	-	-	1,068	2,384	1,958	1,468	-	-	1,015
50	10.0	Q(Btu/h)	29,635	26,460	19,845	-	-	15,452	30,984	27,665	20,748	-	-	16,156	31,943	29,500	22,125	-	-	17,228
		W	2,485	2,091	1,568	-	-	1,084	2,388	2,010	1,507	-	-	1,042	2,319	1,939	1,454	-	-	1,005
45	7.2	Q(Btu/h)	27,676	24,710	18,533	-	-	14,431	29,018	25,909	19,432	-	-	15,131	29,940	28,250	21,188	-	-	16,498
		W	2,416	2,033	1,525	-	-	1,054	2,316	1,949	1,461	-	-	1,010	2,238	1,910	1,433	-	-	990
40	4.4	Q(Btu/h)	25,681	22,930	17,197	-	-	13,391	27,036	24,139	18,104	-	-	14,097	27,941	27,500	20,625	-	-	16,060
		W	2,335	1,965	1,474	-	-	1,018	2,231	1,877	1,408	-	-	973	2,143	1,891	1,418	-	-	980
35	1.7	Q(Btu/h)	23,658	21,124	15,843	-	-	12,336	25,042	22,359	16,769	-	-	13,058	25,949	26,000	19,500	-	-	15,184
		W	2,241	1,886	1,414	-	-	977	2,135	1,796	1,347	-	-	931	2,035	1,853	1,390	-	-	960
30	-1.1	Q(Btu/h)	21,613	19,297	14,473	-	-	11,270	23,044	20,575	15,431	-	-	12,016	23,964	23,875	17,906	-	-	13,943
		W	2,134	1,796	1,347	-	-	931	2,026	1,705	1,278	-	-	884	1,916	1,767	1,325	-	-	916
25	-3.9	Q(Btu/h)	19,552	17,457	13,093	-	-	10,195	21,045	18,790	14,093	-	-	10,974	21,986	22,875	17,156	-	-	13,359
		W	2,015	1,695	1,271	-	-	879	1,905	1,603	1,202	-	-	831	1,786	1,719	1,289	-	-	891
20	-6.7	Q(Btu/h)	17,481	15,608	11,706	-	-	9,115	19,053	17,012	12,759	-	-	9,935	20,015	21,250	15,938	-	-	12,410
		W	1,882	1,584	1,188	-	-	821	1,772	1,491	1,119	-	-	773	1,648	1,614	1,210	-	-	837
15	-9.4	Q(Btu/h)	15,406	13,756	10,317	-	-	8,033	17,072	15,243	11,432	-	-	8,902	18,053	19,500	14,625	-	-	11,388
		W	1,737	1,462	1,096	-	-	758	1,628	1,370	1,027	-	-	710	1,503	1,509	1,132	-	-	782

* Above data is for heating operation without any frost.

SVZ-KP30NA
SUZ-KA30NA2
1) COOLING

Rated
Q(Btu/h): 27,000
W: 2,160

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
115	46.1	Q(Btu/h)	24,792	24,792	18,594	12,396	-	12,396	23,442	23,442	17,581	11,721	-	11,721	22,092	22,092	16,569	11,046	-	11,046
		W	2,550	2,550	1,912	1,275	-	921	2,463	2,463	1,848	1,232	-	890	2,377	2,377	1,783	1,189	-	858
110	43.3	Q(Btu/h)	25,897	25,897	19,423	12,949	-	12,949	24,547	24,547	18,410	12,274	-	12,274	23,197	23,197	17,398	11,599	-	11,599
		W	2,493	2,493	1,870	1,246	-	900	2,406	2,406	1,805	1,203	-	869	2,320	2,320	1,740	1,160	-	838
105	40.6	Q(Btu/h)	26,954	26,954	20,215	13,477	-	13,477	25,604	25,604	19,203	12,802	-	12,802	24,254	24,254	18,190	12,127	-	12,127
		W	2,430	2,430	1,823	1,215	-	878	2,344	2,344	1,758	1,172	-	846	2,257	2,257	1,693	1,129	-	815
100	37.8	Q(Btu/h)	27,973	27,973	20,980	13,987	-	13,987	26,623	26,623	19,967	13,312	-	13,312	25,273	25,273	18,955	12,637	-	12,637
		W	2,363	2,363	1,772	1,181	-	853	2,276	2,276	1,707	1,138	-	822	2,190	2,190	1,642	1,095	-	791
95	35.0	Q(Btu/h)	28,966	28,966	21,724	14,483	-	14,483	27,616	27,616	20,712	13,808	-	13,808	26,266	26,266	19,699	13,133	-	13,133
		W	2,292	2,292	1,719	1,146	-	828	2,206	2,206	1,654	1,103	-	796	2,119	2,119	1,589	1,060	-	765
90	32.2	Q(Btu/h)	29,942	29,942	22,456	14,971	-	14,971	28,592	28,592	21,444	14,296	-	14,296	27,242	27,242	20,431	13,621	-	13,621
		W	2,219	2,219	1,664	1,110	-	801	2,133	2,133	1,600	1,066	-	770	2,046	2,046	1,535	1,023	-	739
85	29.4	Q(Btu/h)	30,913	30,913	23,185	15,456	-	15,456	29,563	29,563	22,172	14,781	-	14,781	28,213	28,213	21,160	14,106	-	14,106
		W	2,145	2,145	1,609	1,073	-	775	2,059	2,059	1,544	1,029	-	744	1,973	1,973	1,479	986	-	712
80	26.7	Q(Btu/h)	31,889	31,889	23,917	15,945	-	15,945	30,539	30,539	22,904	15,270	-	15,270	29,189	29,189	21,892	14,595	-	14,595
		W	2,072	2,072	1,554	1,036	-	748	1,985	1,985	1,489	993	-	717	1,899	1,899	1,424	949	-	686
75	23.9	Q(Btu/h)	32,882	32,882	24,661	16,441	-	16,441	31,532	31,532	23,649	15,766	-	15,766	30,182	30,182	22,636	15,091	-	15,091
		W	2,000	2,000	1,500	1,000	-	722	1,913	1,913	1,435	957	-	691	1,827	1,827	1,370	913	-	660
70	21.1	Q(Btu/h)	33,901	33,901	25,426	16,951	-	16,951	32,551	32,551	24,414	16,276	-	16,276	31,201	31,201	23,401	15,601	-	15,601
		W	1,930	1,930	1,447	965	-	697	1,844	1,844	1,383	922	-	666	1,757	1,757	1,318	879	-	635
67	19.4	Q(Btu/h)	34,531	34,531	25,898	17,265	-	17,265	33,181	33,181	24,885	16,590	-	16,590	31,831	31,831	23,873	15,915	-	15,915
		W	1,890	1,890	1,417	945	-	682	1,804	1,804	1,353	902	-	651	1,717	1,717	1,288	859	-	620

* It may not reach the above capacities in low ambient temperatures.

2) HEATING

Rated
Q(Btu/h): 30,000
W: 2,060

Indoor D.B.			77°F / 25.0°C						68°F / 20.0°C						59°F / 15.0°C					
Outdoor W.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
65	18.3	Q(Btu/h)	41,531	37,755	28,316	18,878	-	15,908	43,288	39,353	29,515	19,676	-	16,581	44,762	39,600	29,700	19,800	-	16,685
		W	2,672	2,373	1,779	1,186	-	749	2,590	2,299	1,725	1,150	-	726	2,517	2,153	1,615	1,076	-	679
60	15.6	Q(Btu/h)	39,391	35,810	26,857	17,905	-	15,088	41,068	37,334	28,001	18,667	-	15,730	42,386	38,250	28,688	19,125	-	16,116
		W	2,641	2,345	1,759	1,173	-	740	2,552	2,266	1,700	1,133	-	715	2,486	2,132	1,599	1,066	-	673
55	12.8	Q(Btu/h)	37,187	33,806	25,355	16,903	-	14,244	38,809	35,281	26,460	17,640	-	14,865	40,014	36,900	27,675	18,450	-	15,547
		W	2,597	2,306	1,729	1,153	-	728	2,503	2,222	1,667	1,111	-	701	2,437	2,112	1,584	1,056	-	666
50	10.0	Q(Btu/h)	34,927	31,751	23,814	15,876	-	13,378	36,517	33,197	24,898	16,599	-	13,987	37,647	35,400	26,550	17,700	-	14,915
		W	2,540	2,255	1,691	1,128	-	712	2,441	2,167	1,626	1,084	-	684	2,370	2,091	1,568	1,045	-	660
45	7.2	Q(Btu/h)	32,618	29,652	22,239	14,826	-	12,494	34,200	31,091	23,318	15,545	-	13,100	35,286	33,900	25,425	16,950	-	14,283
		W	2,470	2,193	1,645	1,096	-	692	2,367	2,102	1,576	1,051	-	663	2,287	2,060	1,545	1,030	-	650
40	4.4	Q(Btu/h)	30,267	27,516	20,637	13,758	-	11,593	31,863	28,967	21,725	14,483	-	12,205	32,931	33,000	24,750	16,500	-	13,904
		W	2,387	2,119	1,589	1,060	-	669	2,280	2,025	1,519	1,012	-	639	2,190	2,039	1,530	1,020	-	644
35	1.7	Q(Btu/h)	27,883	25,348	19,011	12,674	-	10,680	29,514	26,831	20,123	13,415	-	11,305	30,583	31,200	23,400	15,600	-	13,146
		W	2,290	2,034	1,525	1,017	-	642	2,182	1,937	1,453	969	-	611	2,080	1,998	1,499	999	-	631
30	-1.1	Q(Btu/h)	25,473	23,157	17,368	11,578	-	9,757	27,159	24,690	18,517	12,345	-	10,403	28,243	28,650	21,488	14,325	-	12,071
		W	2,181	1,937	1,453	968	-	611	2,070	1,838	1,379	919	-	580	1,958	1,906	1,429	953	-	601
25	-3.9	Q(Btu/h)	23,043	20,948	15,711	10,474	-	8,826	24,803	22,549	16,911	11,274	-	9,500	25,911	27,450	20,588	13,725	-	11,566
		W	2,059	1,828	1,371	914	-	577	1,947	1,729	1,297	864	-	546	1,826	1,854	1,391	927	-	585
20	-6.7	Q(Btu/h)	20,602	18,729	14,047	9,365	-	7,891	22,455	20,414	15,310	10,207	-	8,601	23,589	25,500	19,125	12,750	-	10,744
		W	1,924	1,708	1,281	854	-	539	1,812	1,608	1,206	804	-	508	1,684	1,741	1,306	870	-	549
15	-9.4	Q(Btu/h)	18,157	16,507	12,380	8,253	-	6,955	20,121	18,292	13,719	9,146	-	7,707	21,277	23,400	17,550	11,700	-	9,859
		W	1,775	1,576	1,182	788	-	497	1,664	1,477	1,108	739	-	466	1,536	1,627	1,221	814	-	514

* Above data is for heating operation without any frost.

SVZ-KP36NA
SUZ-KA36NA2
1) COOLING

Rated
Q(Btu/h): 33,400
W: 3,711

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
115	46.1	Q(Btu/h)	30,668	30,668	23,001	15,334	-	10,651	28,998	28,998	21,749	14,499	-	10,071	27,328	27,328	20,496	13,664	-	9,491
		W	4,381	4,381	3,286	2,190	-	826	4,232	4,232	3,174	2,116	-	798	4,084	4,084	3,063	2,042	-	770
110	43.3	Q(Btu/h)	32,036	32,036	24,027	16,018	-	11,126	30,366	30,366	22,774	15,183	-	10,546	28,696	28,696	21,522	14,348	-	9,966
		W	4,283	4,283	3,212	2,141	-	808	4,134	4,134	3,101	2,067	-	780	3,986	3,986	2,989	1,993	-	752
105	40.6	Q(Btu/h)	33,343	33,343	25,007	16,672	-	11,580	31,673	31,673	23,755	15,837	-	11,000	30,003	30,003	22,502	15,002	-	10,420
		W	4,175	4,175	3,131	2,088	-	788	4,027	4,027	3,020	2,013	-	760	3,878	3,878	2,909	1,939	-	732
100	37.8	Q(Btu/h)	34,604	34,604	25,953	17,302	-	12,018	32,934	32,934	24,700	16,467	-	11,438	31,264	31,264	23,448	15,632	-	10,858
		W	4,059	4,059	3,044	2,030	-	766	3,911	3,911	2,933	1,955	-	738	3,762	3,762	2,822	1,881	-	710
95	35.0	Q(Btu/h)	35,832	35,832	26,874	17,916	-	12,444	34,162	34,162	25,621	17,081	-	11,864	32,492	32,492	24,369	16,246	-	11,284
		W	3,938	3,938	2,953	1,969	-	743	3,789	3,789	2,842	1,895	-	715	3,641	3,641	2,731	1,820	-	687
90	32.2	Q(Btu/h)	37,039	37,039	27,779	18,520	-	12,864	35,369	35,369	26,527	17,685	-	12,284	33,699	33,699	25,274	16,850	-	11,704
		W	3,813	3,813	2,860	1,906	-	719	3,664	3,664	2,748	1,832	-	691	3,516	3,516	2,637	1,758	-	663
85	29.4	Q(Btu/h)	38,240	38,240	28,680	19,120	-	13,281	36,570	36,570	27,428	18,285	-	12,701	34,900	34,900	26,175	17,450	-	12,121
		W	3,686	3,686	2,764	1,843	-	695	3,537	3,537	2,653	1,769	-	667	3,389	3,389	2,542	1,694	-	639
80	26.7	Q(Btu/h)	39,448	39,448	29,586	19,724	-	13,701	37,778	37,778	28,334	18,889	-	13,121	36,108	36,108	27,081	18,054	-	12,541
		W	3,559	3,559	2,670	1,780	-	671	3,411	3,411	2,558	1,705	-	643	3,263	3,263	2,447	1,631	-	615
75	23.9	Q(Btu/h)	40,676	40,676	30,507	20,338	-	14,127	39,006	39,006	29,255	19,503	-	13,547	37,336	37,336	28,002	18,668	-	12,967
		W	3,435	3,435	2,576	1,718	-	648	3,287	3,287	2,465	1,643	-	620	3,138	3,138	2,354	1,569	-	592
70	21.1	Q(Btu/h)	41,937	41,937	31,453	20,969	-	14,565	40,267	40,267	30,200	20,134	-	13,985	38,597	38,597	28,948	19,299	-	13,405
		W	3,316	3,316	2,487	1,658	-	625	3,167	3,167	2,375	1,584	-	597	3,019	3,019	2,264	1,509	-	569
67	19.4	Q(Btu/h)	42,716	42,716	32,037	21,358	-	14,835	41,046	41,046	30,784	20,523	-	14,255	39,376	39,376	29,532	19,688	-	13,675
		W	3,247	3,247	2,435	1,623	-	612	3,099	3,099	2,324	1,549	-	584	2,950	2,950	2,213	1,475	-	556

* It may not reach the above capacities in low ambient temperatures.

2) HEATING

Rated
Q(Btu/h): 33,400
W: 3,030

Indoor D.B.			77°F / 25.0°C						68°F / 20.0°C						59°F / 15.0°C					
Outdoor W.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
65	18.3	Q(Btu/h)	45,306	42,034	31,526	21,017	-	16,688	47,223	43,813	32,859	21,906	-	17,394	48,831	44,088	33,066	22,044	-	17,503
		W	3,570	3,490	2,617	1,745	-	933	3,460	3,382	2,537	1,691	-	904	3,364	3,166	2,375	1,583	-	846
60	15.6	Q(Btu/h)	42,972	39,868	29,901	19,934	-	15,828	44,801	41,566	31,174	20,783	-	16,502	46,239	42,585	31,939	21,293	-	16,907
		W	3,529	3,449	2,587	1,725	-	922	3,411	3,334	2,500	1,667	-	891	3,322	3,136	2,352	1,568	-	838
55	12.8	Q(Btu/h)	40,567	37,638	28,228	18,819	-	14,942	42,337	39,279	29,459	19,640	-	15,594	43,652	41,082	30,812	20,541	-	16,310
		W	3,470	3,392	2,544	1,696	-	907	3,344	3,269	2,452	1,634	-	874	3,256	3,106	2,329	1,553	-	830
50	10.0	Q(Btu/h)	38,102	35,350	26,513	17,675	-	14,034	39,837	36,960	27,720	18,480	-	14,673	41,070	39,412	29,559	19,706	-	15,647
		W	3,394	3,317	2,488	1,659	-	887	3,262	3,188	2,391	1,594	-	852	3,167	3,075	2,307	1,538	-	822
45	7.2	Q(Btu/h)	35,583	33,013	24,760	16,507	-	13,106	37,309	34,614	25,961	17,307	-	13,742	38,494	37,742	28,307	18,871	-	14,984
		W	3,300	3,226	2,419	1,613	-	862	3,163	3,091	2,318	1,546	-	826	3,056	3,030	2,273	1,515	-	810
40	4.4	Q(Btu/h)	33,019	30,634	22,976	15,317	-	12,162	34,760	32,250	24,187	16,125	-	12,803	35,925	36,740	27,555	18,370	-	14,586
		W	3,189	3,117	2,338	1,558	-	833	3,047	2,978	2,234	1,489	-	796	2,926	3,000	2,250	1,500	-	802
35	1.7	Q(Btu/h)	30,418	28,221	21,166	14,111	-	11,204	32,197	29,872	22,404	14,936	-	11,859	33,363	34,736	26,052	17,368	-	13,790
		W	3,060	2,991	2,243	1,496	-	800	2,915	2,849	2,137	1,425	-	762	2,779	2,939	2,204	1,470	-	786
30	-1.1	Q(Btu/h)	27,788	25,781	19,336	12,891	-	10,235	29,627	27,488	20,616	13,744	-	10,913	30,811	31,897	23,923	15,949	-	12,663
		W	2,915	2,849	2,137	1,424	-	762	2,767	2,704	2,028	1,352	-	723	2,616	2,803	2,102	1,401	-	749
25	-3.9	Q(Btu/h)	25,138	23,322	17,492	11,661	-	9,259	27,058	25,104	18,828	12,552	-	9,966	28,267	30,561	22,921	15,281	-	12,133
		W	2,751	2,689	2,017	1,345	-	719	2,602	2,543	1,907	1,272	-	680	2,439	2,727	2,045	1,364	-	729
20	-6.7	Q(Btu/h)	22,475	20,852	15,639	10,426	-	8,278	24,497	22,727	17,046	11,364	-	9,023	25,734	28,390	21,293	14,195	-	11,271
		W	2,570	2,512	1,884	1,256	-	672	2,421	2,366	1,774	1,183	-	632	2,251	2,560	1,920	1,280	-	684
15	-9.4	Q(Btu/h)	19,808	18,377	13,783	9,189	-	7,296	21,950	20,365	15,273	10,182	-	8,085	23,211	26,052	19,539	13,026	-	10,343
		W	2,372	2,319	1,739	1,159	-	620	2,223	2,173	1,630	1,086	-	581	2,052	2,394	1,795	1,197	-	640

* Above data is for heating operation without any frost.

A.7.9.2 H2i SUZ series

SVZ-KP12NA
SUZ-KA12NAHZ
1) COOLING

Rated
Q(Btu/h): 12,000
W: 860

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
115	46.1	Q(Btu/h)	10,954	10,954	8,216	5,477	-	5,112	10,257	10,257	7,693	5,129	-	4,787	9,361	9,361	7,021	4,680	-	4,368
		W	966	966	725	483	-	371	942	942	707	471	-	362	903	903	677	452	-	347
110	43.3	Q(Btu/h)	11,452	11,452	8,589	5,726	-	5,344	10,656	10,656	7,992	5,328	-	4,973	9,759	9,759	7,320	4,880	-	4,554
		W	950	950	713	475	-	365	927	927	695	463	-	356	884	884	663	442	-	339
105	40.6	Q(Btu/h)	11,950	11,950	8,963	5,975	-	5,577	11,054	11,054	8,290	5,527	-	5,159	10,257	10,257	7,693	5,129	-	4,787
		W	939	939	704	469	-	360	903	903	677	452	-	347	864	864	648	432	-	332
100	37.8	Q(Btu/h)	12,349	12,349	9,261	6,174	-	5,763	11,552	11,552	8,664	5,776	-	5,391	10,656	10,656	7,992	5,328	-	4,973
		W	911	911	683	456	-	350	884	884	663	442	-	339	844	844	633	422	-	324
95	35.0	Q(Btu/h)	12,846	12,846	9,635	6,423	-	5,995	12,000	12,000	9,000	6,000	-	5,600	11,154	11,154	8,365	5,577	-	5,205
		W	895	895	672	448	-	344	860	860	645	430	-	330	825	825	618	412	-	316
90	32.2	Q(Btu/h)	13,245	13,245	9,934	6,622	-	6,181	12,448	12,448	9,336	6,224	-	5,809	11,552	11,552	8,664	5,776	-	5,391
		W	864	864	648	432	-	332	825	825	618	412	-	316	793	793	595	397	-	304
85	29.4	Q(Btu/h)	13,743	13,743	10,307	6,871	-	6,413	12,946	12,946	9,710	6,473	-	6,041	12,050	12,050	9,037	6,025	-	5,623
		W	833	833	624	416	-	319	793	793	595	397	-	304	766	766	574	383	-	294
80	26.7	Q(Btu/h)	14,141	14,141	10,606	7,071	-	6,599	13,344	13,344	10,008	6,672	-	6,227	12,548	12,548	9,411	6,274	-	5,856
		W	801	801	601	401	-	307	758	758	568	379	-	291	734	734	551	367	-	282
75	23.9	Q(Btu/h)	14,639	14,639	10,979	7,320	-	6,832	13,743	13,743	10,307	6,871	-	6,413	12,996	12,996	9,747	6,498	-	6,065
		W	766	766	574	383	-	294	723	723	542	361	-	277	706	706	530	353	-	271
70	21.1	Q(Btu/h)	14,988	14,988	11,241	7,494	-	6,994	14,041	14,041	10,531	7,021	-	6,553	13,444	13,444	10,083	6,722	-	6,274
		W	726	726	545	363	-	279	691	691	518	346	-	265	664	664	498	332	-	255
67	19.4	Q(Btu/h)	15,137	15,137	11,353	7,568	-	7,064	14,340	14,340	10,755	7,170	-	6,692	13,743	13,743	10,307	6,871	-	6,413
		W	691	691	518	346	-	265	664	664	498	332	-	255	628	628	471	314	-	241

* It may not reach the above capacities in low ambient temperatures.

SVZ-KP12NA
SUZ-KA12NAHZ
2) HEATING

Rated
Q(Btu/h): 15,000
W: 1,130

Indoor D.B.			77°F / 25.0°C						68°F / 20.0°C						59°F / 15.0°C					
Outdoor W.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
65	18.3	Q(Btu/h)	21,780	18,150	13,613	-	-	9,317	22,500	18,750	14,063	-	-	9,625	23,220	19,350	14,513	-	-	9,933
		W	1,612	1,283	962	-	-	579	1,578	1,256	942	-	-	567	1,544	1,229	922	-	-	555
60	15.6	Q(Btu/h)	20,880	17,400	13,050	-	-	8,932	21,600	18,000	13,500	-	-	9,240	22,320	18,600	13,950	-	-	9,548
		W	1,584	1,260	945	-	-	569	1,550	1,233	925	-	-	557	1,516	1,206	905	-	-	544
55	12.8	Q(Btu/h)	19,980	16,650	12,488	-	-	8,547	20,700	17,250	12,938	-	-	8,855	21,420	17,850	13,388	-	-	9,163
		W	1,551	1,234	926	-	-	557	1,517	1,207	905	-	-	545	1,483	1,180	885	-	-	533
50	10.0	Q(Btu/h)	19,080	15,900	11,925	-	-	8,162	19,710	16,425	12,319	-	-	8,432	20,430	17,025	12,769	-	-	8,740
		W	1,514	1,205	903	-	-	544	1,480	1,177	883	-	-	531	1,446	1,150	863	-	-	519
45	7.2	Q(Btu/h)	18,450	15,375	11,531	-	-	7,893	19,080	15,900	11,925	-	-	8,162	19,800	16,500	12,375	-	-	8,470
		W	1,489	1,185	889	-	-	535	1,455	1,158	869	-	-	523	1,421	1,131	848	-	-	510
40	4.4	Q(Btu/h)	17,460	14,550	10,913	-	-	7,469	18,090	15,075	11,306	-	-	7,739	18,810	15,675	11,756	-	-	8,047
		W	1,445	1,150	862	-	-	519	1,411	1,123	842	-	-	507	1,377	1,096	822	-	-	495
35	1.7	Q(Btu/h)	16,020	13,350	10,013	-	-	6,853	16,470	13,725	10,294	-	-	7,046	17,190	14,325	10,744	-	-	7,354
		W	1,376	1,095	821	-	-	494	1,342	1,068	801	-	-	482	1,308	1,041	781	-	-	470
30	-1.1	Q(Btu/h)	15,300	12,750	9,563	-	-	6,545	15,750	13,125	9,844	-	-	6,738	16,470	13,725	10,294	-	-	7,046
		W	1,459	1,161	871	-	-	524	1,425	1,134	850	-	-	512	1,391	1,107	830	-	-	500
25	-3.9	Q(Btu/h)	14,040	11,700	8,775	-	-	6,006	14,490	12,075	9,056	-	-	6,199	15,120	12,600	9,450	-	-	6,468
		W	1,373	1,092	819	-	-	493	1,339	1,065	799	-	-	481	1,305	1,038	779	-	-	469
20	-6.7	Q(Btu/h)	14,040	10,650	7,988	-	-	5,467	14,490	11,025	8,269	-	-	5,660	15,120	11,550	8,663	-	-	5,929
		W	1,281	1,019	765	-	-	460	1,247	992	744	-	-	448	1,213	965	724	-	-	436
15	-9.4	Q(Btu/h)	14,040	9,450	7,088	-	-	4,851	14,490	9,825	7,369	-	-	5,044	15,120	10,350	7,763	-	-	5,313
		W	1,184	942	707	-	-	425	1,150	915	686	-	-	413	1,116	888	666	-	-	401
10	-12.2	Q(Btu/h)	14,040	8,100	6,075	-	-	4,158	14,490	8,475	6,356	-	-	4,351	15,120	9,150	6,863	-	-	4,697
		W	1,082	861	645	-	-	388	1,047	834	625	-	-	376	1,013	807	605	-	-	364
5	-15.0	Q(Btu/h)	14,040	6,150	4,613	-	-	3,157	14,490	6,450	4,838	-	-	3,311	15,120	7,200	5,400	-	-	3,696
		W	929	739	554	-	-	334	895	712	534	-	-	321	861	685	514	-	-	309
0	-17.8	Q(Btu/h)	11,817	4,735	3,552	-	-	2,431	12,196	5,075	3,806	-	-	2,605	12,726	5,848	4,386	-	-	3,002
		W	814	647	486	-	-	292	780	620	465	-	-	280	746	593	445	-	-	268
-4	-20.0	Q(Btu/h)	10,039	3,512	2,634	-	-	1,803	10,360	3,859	2,894	-	-	1,981	10,811	4,688	3,516	-	-	2,407
		W	717	571	428	-	-	258	683	544	408	-	-	245	649	517	388	-	-	233
-13	-25.0	Q(Btu/h)	6,037	581	436	-	-	298	6,231	956	717	-	-	491	6,502	1,934	1,451	-	-	993
		W	488	388	291	-	-	175	454	361	271	-	-	163	420	334	251	-	-	151

* Above data is for heating operation without any frost.

SVZ-KP18NA
SUZ-KA18NAHZ
1) COOLING

Rated
Q(Btu/h): 18,000
W: 1,440

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
115	46.1	Q(Btu/h)	16,432	16,432	12,324	-	-	8,544	15,386	15,386	11,539	-	-	8,001	14,041	14,041	10,531	-	-	7,302
		W	1,618	1,618	1,213	-	-	652	1,578	1,578	1,184	-	-	636	1,512	1,512	1,134	-	-	609
110	43.3	Q(Btu/h)	17,178	17,178	12,884	-	-	8,933	15,983	15,983	11,988	-	-	8,311	14,639	14,639	10,979	-	-	7,612
		W	1,591	1,591	1,193	-	-	641	1,552	1,552	1,164	-	-	625	1,479	1,479	1,110	-	-	596
105	40.6	Q(Btu/h)	17,925	17,925	13,444	-	-	9,321	16,581	16,581	12,436	-	-	8,622	15,386	15,386	11,539	-	-	8,001
		W	1,572	1,572	1,179	-	-	633	1,512	1,512	1,134	-	-	609	1,447	1,447	1,085	-	-	583
100	37.8	Q(Btu/h)	18,523	18,523	13,892	-	-	9,632	17,328	17,328	12,996	-	-	9,010	15,983	15,983	11,988	-	-	8,311
		W	1,525	1,525	1,144	-	-	614	1,479	1,479	1,110	-	-	596	1,414	1,414	1,060	-	-	569
95	35.0	Q(Btu/h)	19,270	19,270	14,452	-	-	10,020	18,000	18,000	13,500	-	-	9,360	16,730	16,730	12,548	-	-	8,700
		W	1,499	1,499	1,124	-	-	604	1,440	1,440	1,080	-	-	580	1,381	1,381	1,036	-	-	556
90	32.2	Q(Btu/h)	19,867	19,867	14,900	-	-	10,331	18,672	18,672	14,004	-	-	9,710	17,328	17,328	12,996	-	-	9,010
		W	1,447	1,447	1,085	-	-	583	1,381	1,381	1,036	-	-	556	1,328	1,328	996	-	-	535
85	29.4	Q(Btu/h)	20,614	20,614	15,461	-	-	10,719	19,419	19,419	14,564	-	-	10,098	18,075	18,075	13,556	-	-	9,399
		W	1,394	1,394	1,045	-	-	561	1,328	1,328	996	-	-	535	1,282	1,282	962	-	-	516
80	26.7	Q(Btu/h)	21,212	21,212	15,909	-	-	11,030	20,017	20,017	15,012	-	-	10,409	18,822	18,822	14,116	-	-	9,787
		W	1,341	1,341	1,006	-	-	540	1,269	1,269	952	-	-	511	1,230	1,230	922	-	-	495
75	23.9	Q(Btu/h)	21,959	21,959	16,469	-	-	11,418	20,614	20,614	15,461	-	-	10,719	19,494	19,494	14,620	-	-	10,137
		W	1,282	1,282	962	-	-	516	1,210	1,210	907	-	-	487	1,182	1,182	887	-	-	476
70	21.1	Q(Btu/h)	22,481	22,481	16,861	-	-	11,690	21,062	21,062	15,797	-	-	10,952	20,166	20,166	15,124	-	-	10,486
		W	1,216	1,216	912	-	-	490	1,157	1,157	868	-	-	466	1,111	1,111	833	-	-	448
67	19.4	Q(Btu/h)	22,705	22,705	17,029	-	-	11,807	21,510	21,510	16,133	-	-	11,185	20,614	20,614	15,461	-	-	10,719
		W	1,157	1,157	868	-	-	466	1,111	1,111	833	-	-	448	1,052	1,052	789	-	-	424

* It may not reach the above capacities in low ambient temperatures.

SVZ-KP18NA
SUZ-KA18NAHZ
2) HEATING

Rated
Q(Btu/h): 21,600
W: 1,880

Indoor D.B.			77°F / 25.0°C						68°F / 20.0°C						59°F / 15.0°C					
Outdoor W.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
65	18.3	Q(Btu/h)	33,880	26,136	19,602	13,068	-	10,648	35,000	27,000	20,250	13,500	-	11,000	36,120	27,864	20,898	13,932	-	11,352
		W	3,565	2,134	1,601	1,067	-	624	3,490	2,089	1,567	1,045	-	611	3,415	2,044	1,533	1,022	-	598
60	15.6	Q(Btu/h)	32,480	25,056	18,792	12,528	-	10,208	33,600	25,920	19,440	12,960	-	10,560	34,720	26,784	20,088	13,392	-	10,912
		W	3,502	2,097	1,573	1,048	-	613	3,427	2,052	1,539	1,026	-	600	3,352	2,007	1,505	1,003	-	587
55	12.8	Q(Btu/h)	31,080	23,976	17,982	11,988	-	9,768	32,200	24,840	18,630	12,420	-	10,120	33,320	25,704	19,278	12,852	-	10,472
		W	3,429	2,053	1,540	1,027	-	601	3,354	2,008	1,506	1,004	-	588	3,279	1,963	1,472	982	-	574
50	10.0	Q(Btu/h)	29,680	22,896	17,172	11,448	-	9,328	30,660	23,652	17,739	11,826	-	9,636	31,780	24,516	18,387	12,258	-	9,988
		W	3,347	2,004	1,503	1,002	-	586	3,272	1,959	1,469	979	-	573	3,197	1,914	1,435	957	-	560
45	7.2	Q(Btu/h)	28,700	22,140	16,605	11,070	-	9,020	29,680	22,896	17,172	11,448	-	9,328	30,800	23,760	17,820	11,880	-	9,680
		W	3,293	1,972	1,479	986	-	577	3,218	1,927	1,445	963	-	564	3,143	1,882	1,411	941	-	550
40	4.4	Q(Btu/h)	27,160	20,952	15,714	10,476	-	8,536	28,140	21,708	16,281	10,854	-	8,844	29,260	22,572	16,929	11,286	-	9,196
		W	3,196	1,913	1,435	957	-	560	3,120	1,868	1,401	934	-	547	3,045	1,823	1,367	912	-	533
35	1.7	Q(Btu/h)	24,920	19,224	14,418	9,612	-	7,832	25,620	19,764	14,823	9,882	-	8,052	26,740	20,628	15,471	10,314	-	8,404
		W	3,043	1,822	1,366	911	-	533	2,968	1,777	1,333	888	-	520	2,892	1,732	1,299	866	-	507
30	-1.1	Q(Btu/h)	23,800	18,360	13,770	9,180	-	7,480	24,500	18,900	14,175	9,450	-	7,700	25,620	19,764	14,823	9,882	-	8,052
		W	3,226	1,932	1,449	966	-	565	3,151	1,887	1,415	943	-	552	3,076	1,842	1,381	921	-	539
25	-3.9	Q(Btu/h)	21,840	16,848	12,636	8,424	-	6,864	22,540	17,388	13,041	8,694	-	7,084	23,520	18,144	13,608	9,072	-	7,392
		W	3,035	1,817	1,363	909	-	532	2,960	1,772	1,329	886	-	519	2,885	1,727	1,295	864	-	505
20	-6.7	Q(Btu/h)	21,840	15,336	11,502	7,668	-	6,248	22,540	15,876	11,907	7,938	-	6,468	23,520	16,632	12,474	8,316	-	6,776
		W	2,833	1,696	1,272	848	-	496	2,758	1,651	1,238	825	-	483	2,682	1,606	1,204	803	-	470
15	-9.4	Q(Btu/h)	21,840	13,608	10,206	6,804	-	5,544	22,540	14,148	10,611	7,074	-	5,764	23,520	14,904	11,178	7,452	-	6,072
		W	2,618	1,568	1,176	784	-	459	2,543	1,522	1,142	761	-	445	2,468	1,477	1,108	739	-	432
10	-12.2	Q(Btu/h)	21,840	11,664	8,748	5,832	-	4,752	22,540	12,204	9,153	6,102	-	4,972	23,520	13,176	9,882	6,588	-	5,368
		W	2,392	1,432	1,074	716	-	419	2,316	1,387	1,040	693	-	406	2,241	1,342	1,006	671	-	393
5	-15.0	Q(Btu/h)	21,840	8,856	6,642	4,428	-	3,608	22,540	9,288	6,966	4,644	-	3,784	23,520	10,368	7,776	5,184	-	4,224
		W	2,054	1,230	922	615	-	360	1,979	1,185	889	592	-	347	1,904	1,140	855	570	-	333
0	-17.8	Q(Btu/h)	18,382	6,819	5,114	3,409	-	2,778	18,971	7,307	5,481	3,654	-	2,977	19,796	8,421	6,316	4,211	-	3,431
		W	1,799	1,077	808	539	-	315	1,724	1,032	774	516	-	302	1,649	987	740	494	-	289
-4	-20.0	Q(Btu/h)	15,616	5,057	3,793	2,529	-	2,060	16,116	5,557	4,167	2,778	-	2,264	16,817	6,751	5,063	3,375	-	2,750
		W	1,586	950	712	475	-	278	1,511	905	678	452	-	265	1,436	860	645	430	-	251
-13	-25.0	Q(Btu/h)	9,391	836	627	418	-	341	9,692	1,377	1,033	689	-	561	10,114	2,785	2,089	1,393	-	1,135
		W	1,079	646	485	323	-	189	1,004	601	451	301	-	176	929	556	417	278	-	163

* Above data is for heating operation without any frost.

SVZ-KP24NA
SUZ-KA24NAHZ
1) COOLING

Rated
Q(Btu/h): 24,000
W: 2,420

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
115	46.1	Q(Btu/h)	24,192	24,192	18,144	12,096	-	8,870	22,320	22,320	16,740	11,160	-	8,184	20,952	20,952	15,714	10,476	-	7,682
		W	2,952	2,952	2,214	1,476	-	793	2,856	2,856	2,142	1,428	-	767	2,783	2,783	2,087	1,392	-	748
110	43.3	Q(Btu/h)	25,416	25,416	19,062	12,708	-	9,319	23,544	23,544	17,658	11,772	-	8,633	22,176	22,176	16,632	11,088	-	8,131
		W	2,802	2,802	2,102	1,401	-	753	2,706	2,706	2,029	1,353	-	727	2,633	2,633	1,975	1,316	-	707
105	40.6	Q(Btu/h)	25,944	25,944	19,458	12,972	-	9,513	24,072	24,072	18,054	12,036	-	8,826	22,704	22,704	17,028	11,352	-	8,325
		W	2,708	2,708	2,031	1,354	-	727	2,611	2,611	1,958	1,306	-	701	2,539	2,539	1,904	1,269	-	682
100	37.8	Q(Btu/h)	26,640	26,640	19,980	13,320	-	9,768	24,768	24,768	18,576	12,384	-	9,082	23,400	23,400	17,550	11,700	-	8,580
		W	2,577	2,577	1,933	1,289	-	692	2,481	2,481	1,860	1,240	-	666	2,408	2,408	1,806	1,204	-	647
95	35.0	Q(Btu/h)	27,216	27,216	20,412	13,608	-	9,979	25,344	25,344	19,008	12,672	-	9,293	23,976	23,976	17,982	11,988	-	8,791
		W	2,473	2,473	1,855	1,237	-	664	2,376	2,376	1,782	1,188	-	638	2,304	2,304	1,728	1,152	-	619
90	32.2	Q(Btu/h)	27,600	27,600	20,700	13,800	-	10,120	25,728	25,728	19,296	12,864	-	9,434	24,360	24,360	18,270	12,180	-	8,932
		W	2,396	2,396	1,797	1,198	-	644	2,299	2,299	1,724	1,150	-	618	2,226	2,226	1,670	1,113	-	598
85	29.4	Q(Btu/h)	27,888	27,888	20,916	13,944	-	10,226	26,016	26,016	19,512	13,008	-	9,539	24,648	24,648	18,486	12,324	-	9,038
		W	2,323	2,323	1,742	1,162	-	624	2,226	2,226	1,670	1,113	-	598	2,154	2,154	1,615	1,077	-	579
80	26.7	Q(Btu/h)	28,320	28,320	21,240	14,160	-	10,384	26,448	26,448	19,836	13,224	-	9,698	25,080	25,080	18,810	12,540	-	9,196
		W	2,246	2,246	1,684	1,123	-	603	2,149	2,149	1,612	1,074	-	577	2,076	2,076	1,557	1,038	-	558
75	23.9	Q(Btu/h)	28,632	28,632	21,474	14,316	-	10,498	26,760	26,760	20,070	13,380	-	9,812	25,392	25,392	19,044	12,696	-	9,310
		W	2,178	2,178	1,634	1,089	-	585	2,081	2,081	1,561	1,041	-	559	2,009	2,009	1,506	1,004	-	540
70	21.1	Q(Btu/h)	28,800	28,800	21,600	14,400	-	10,560	26,928	26,928	20,196	13,464	-	9,874	25,560	25,560	19,170	12,780	-	9,372
		W	2,125	2,125	1,594	1,062	-	571	2,028	2,028	1,521	1,014	-	545	1,955	1,955	1,467	978	-	525
67	19.4	Q(Btu/h)	28,992	28,992	21,744	14,496	-	10,630	27,120	27,120	20,340	13,560	-	9,944	25,752	25,752	19,314	12,876	-	9,442
		W	2,086	2,086	1,565	1,043	-	560	1,989	1,989	1,492	995	-	534	1,917	1,917	1,437	958	-	515

* It may not reach the above capacities in low ambient temperatures.

SVZ-KP24NA
SUZ-KA24NAHZ
2) HEATING

Rated
Q(Btu/h): 23,000
W: 2,140

Indoor D.B.			77°F / 25.0°C						68°F / 20.0°C						59°F / 15.0°C					
Outdoor W.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
65	18.3	Q(Btu/h)	36,757	29,355	22,016	14,677	-	11,997	37,823	30,206	22,654	15,103	-	12,345	39,033	31,172	23,379	15,586	-	12,740
		W	3,655	2,803	2,103	1,402	-	707	3,404	2,632	1,974	1,316	-	664	3,209	2,461	1,846	1,231	-	621
60	15.6	Q(Btu/h)	34,704	27,715	20,786	13,858	-	11,327	35,770	28,566	21,425	14,283	-	11,675	36,979	29,532	22,149	14,766	-	12,070
		W	3,515	2,696	2,022	1,348	-	680	3,264	2,525	1,894	1,263	-	637	3,069	2,354	1,766	1,177	-	594
55	12.8	Q(Btu/h)	32,400	25,875	19,406	12,938	-	10,575	33,466	26,726	20,045	13,363	-	10,923	34,675	27,692	20,769	13,846	-	11,318
		W	3,376	2,611	1,958	1,305	-	659	3,125	2,440	1,830	1,220	-	616	2,930	2,268	1,701	1,134	-	572
50	10.0	Q(Btu/h)	30,470	24,334	18,251	12,167	-	9,945	31,536	25,185	18,889	12,593	-	10,293	32,746	26,151	19,613	13,076	-	10,688
		W	3,236	2,493	1,870	1,247	-	629	2,985	2,322	1,741	1,161	-	586	2,790	2,151	1,613	1,075	-	543
45	7.2	Q(Btu/h)	22,655	22,540	16,905	11,270	-	9,212	23,575	23,391	17,543	11,696	-	9,560	24,495	24,357	18,268	12,179	-	9,955
		W	3,097	2,354	1,766	1,177	-	594	2,846	2,183	1,637	1,091	-	551	2,651	2,012	1,509	1,006	-	508
40	4.4	Q(Btu/h)	22,080	18,860	14,145	9,430	-	7,708	23,000	19,711	14,783	9,856	-	8,056	23,920	20,677	15,508	10,339	-	8,451
		W	3,013	2,161	1,621	1,081	-	545	2,762	2,033	1,525	1,017	-	513	2,567	1,883	1,412	942	-	475
35	1.7	Q(Btu/h)	22,080	16,330	12,248	8,165	-	6,674	23,000	18,170	13,628	9,085	-	7,426	23,920	19,320	14,490	9,660	-	7,896
		W	2,834	2,037	1,528	1,019	-	514	2,703	1,909	1,432	954	-	482	2,528	1,759	1,319	880	-	444
30	-1.1	Q(Btu/h)	22,080	15,640	11,730	7,820	-	6,392	23,000	16,468	12,351	8,234	-	6,730	23,920	17,158	12,869	8,579	-	7,012
		W	3,335	1,858	1,393	929	-	469	3,204	1,729	1,297	865	-	436	3,030	1,579	1,184	790	-	399
25	-3.9	Q(Btu/h)	22,080	14,950	11,213	7,475	-	6,110	23,000	15,778	11,834	7,889	-	6,448	23,920	16,468	12,351	8,234	-	6,730
		W	3,618	1,616	1,212	808	-	408	3,488	1,487	1,115	744	-	375	3,313	1,338	1,003	669	-	338
20	-6.7	Q(Btu/h)	22,080	14,260	10,695	7,130	-	5,828	23,000	15,088	11,316	7,544	-	6,166	23,920	15,778	11,834	7,889	-	6,448
		W	3,814	1,584	1,188	792	-	400	3,684	1,455	1,091	728	-	367	3,509	1,305	979	653	-	329
15	-9.4	Q(Btu/h)	22,080	13,915	10,436	6,958	-	5,687	23,000	14,743	11,057	7,372	-	6,025	23,920	15,433	11,575	7,717	-	6,307
		W	3,989	1,509	1,132	754	-	381	3,858	1,380	1,035	690	-	348	3,684	1,231	923	615	-	311
10	-12.2	Q(Btu/h)	22,080	13,386	10,040	6,693	-	5,471	23,000	14,214	10,661	7,107	-	5,809	23,920	14,904	11,178	7,452	-	6,091
		W	4,098	1,395	1,046	698	-	352	3,967	1,267	950	633	-	320	3,793	1,117	838	559	-	282
5	-15.0	Q(Btu/h)	22,080	13,099	9,824	6,549	-	5,353	23,000	13,927	10,445	6,963	-	5,692	23,920	14,617	10,962	7,308	-	5,974
		W	4,185	1,390	1,043	695	-	351	4,054	1,262	946	631	-	318	3,880	1,112	834	556	-	281
0	-17.8	Q(Btu/h)	20,815	12,880	9,660	6,440	-	5,264	21,735	13,708	10,281	6,854	-	5,602	22,655	14,398	10,799	7,199	-	5,884
		W	4,229	1,394	1,045	697	-	352	4,098	1,265	949	633	-	319	3,923	1,115	837	558	-	281
-4	-20.0	Q(Btu/h)	19,757	12,742	9,557	6,371	-	5,208	20,677	13,570	10,178	6,785	-	5,546	21,597	14,260	10,695	7,130	-	5,828
		W	4,250	1,380	1,035	690	-	348	4,120	1,251	938	626	-	316	3,945	1,101	826	551	-	278
-13	-25.0	Q(Btu/h)	17,480	12,622	9,466	6,311	-	5,158	18,400	13,450	10,087	6,725	-	5,497	19,320	14,140	10,605	7,070	-	5,779
		W	4,272	1,358	1,018	679	-	343	4,141	1,229	922	615	-	310	3,967	1,080	810	540	-	272

* Above data is for heating operation without any frost.

SVZ-KP30NA
SUZ-KA30NAHZ
1) COOLING

Rated
Q(Btu/h): 27,000
W: 2,100

Indoor W.B. / Outdoor D.B. (°F)	(°C)		71°F / 21.7°C Max	Rated	75%	50%	25%	Min	67°F / 19.4°C Max	Rated	75%	50%	25%	Min	63°F / 17.2°C Max	Rated	75%	50%	25%	Min
115	46.1	Q(Btu/h)	27,216	27,216	20,412	13,608	-	13,507	25,110	25,110	18,833	12,555	-	12,462	23,571	23,571	17,678	11,786	-	11,698
		W	2,562	2,562	1,922	1,281	-	1,086	2,478	2,478	1,859	1,239	-	1,050	2,415	2,415	1,811	1,208	-	1,024
110	43.3	Q(Btu/h)	28,593	28,593	21,445	14,297	-	14,191	26,487	26,487	19,865	13,244	-	13,145	24,948	24,948	18,711	12,474	-	12,382
		W	2,432	2,432	1,824	1,216	-	1,031	2,348	2,348	1,761	1,174	-	995	2,285	2,285	1,714	1,142	-	968
105	40.6	Q(Btu/h)	29,187	29,187	21,890	14,594	-	14,485	27,081	27,081	20,311	13,541	-	13,440	25,542	25,542	19,157	12,771	-	12,676
		W	2,350	2,350	1,762	1,175	-	996	2,266	2,266	1,699	1,133	-	960	2,203	2,203	1,652	1,101	-	934
100	37.8	Q(Btu/h)	29,970	29,970	22,478	14,985	-	14,874	27,864	27,864	20,898	13,932	-	13,829	26,325	26,325	19,744	13,163	-	13,065
		W	2,237	2,237	1,677	1,118	-	948	2,153	2,153	1,614	1,076	-	912	2,090	2,090	1,567	1,045	-	886
95	35.0	Q(Btu/h)	30,618	30,618	22,964	15,309	-	15,196	28,512	28,512	21,384	14,256	-	14,150	26,973	26,973	20,230	13,487	-	13,387
		W	2,146	2,146	1,610	1,073	-	910	2,062	2,062	1,547	1,031	-	874	1,999	1,999	1,499	1,000	-	847
90	32.2	Q(Btu/h)	31,050	31,050	23,288	15,525	-	15,410	28,944	28,944	21,708	14,472	-	14,365	27,405	27,405	20,554	13,703	-	13,601
		W	2,079	2,079	1,559	1,040	-	881	1,995	1,995	1,496	998	-	846	1,932	1,932	1,449	966	-	819
85	29.4	Q(Btu/h)	31,374	31,374	23,531	15,687	-	15,571	29,268	29,268	21,951	14,634	-	14,526	27,729	27,729	20,797	13,865	-	13,762
		W	2,016	2,016	1,512	1,008	-	854	1,932	1,932	1,449	966	-	819	1,869	1,869	1,402	935	-	792
80	26.7	Q(Btu/h)	31,860	31,860	23,895	15,930	-	15,812	29,754	29,754	22,316	14,877	-	14,767	28,215	28,215	21,161	14,108	-	14,003
		W	1,949	1,949	1,462	974	-	826	1,865	1,865	1,399	932	-	790	1,802	1,802	1,351	901	-	764
75	23.9	Q(Btu/h)	32,211	32,211	24,158	16,106	-	15,986	30,105	30,105	22,579	15,053	-	14,941	28,566	28,566	21,425	14,283	-	14,177
		W	1,890	1,890	1,418	945	-	801	1,806	1,806	1,355	903	-	765	1,743	1,743	1,307	872	-	739
70	21.1	Q(Btu/h)	32,400	32,400	24,300	16,200	-	16,080	30,294	30,294	22,721	15,147	-	15,035	28,755	28,755	21,566	14,378	-	14,271
		W	1,844	1,844	1,383	922	-	781	1,760	1,760	1,320	880	-	746	1,697	1,697	1,273	848	-	719
67	19.4	Q(Btu/h)	32,616	32,616	24,462	16,308	-	16,187	30,510	30,510	22,883	15,255	-	15,142	28,971	28,971	21,728	14,486	-	14,378
		W	1,810	1,810	1,358	905	-	767	1,726	1,726	1,295	863	-	732	1,663	1,663	1,247	832	-	705

* It may not reach the above capacities in low ambient temperatures.

SVZ-KP30NA
SUZ-KA30NAHZ
2) HEATING

Rated
Q(Btu/h): 32,000
W: 2,400

Indoor D.B.			77°F / 25.0°C						68°F / 20.0°C						59°F / 15.0°C					
Outdoor W.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
65	18.3	Q(Btu/h)	43,394	40,842	30,631	20,421	-	16,592	44,652	42,026	31,519	21,013	-	17,073	46,080	43,370	32,527	21,685	-	17,619
		W	3,773	3,144	2,358	1,572	-	1,061	3,514	2,952	2,214	1,476	-	996	3,312	2,760	2,070	1,380	-	932
60	15.6	Q(Btu/h)	40,970	38,560	28,920	19,280	-	15,665	42,228	39,744	29,808	19,872	-	16,146	43,656	41,088	30,816	20,544	-	16,692
		W	3,629	3,024	2,268	1,512	-	1,021	3,370	2,832	2,124	1,416	-	956	3,168	2,640	1,980	1,320	-	891
55	12.8	Q(Btu/h)	38,250	36,000	27,000	18,000	-	14,625	39,508	37,184	27,888	18,592	-	15,106	40,936	38,528	28,896	19,264	-	15,652
		W	3,485	2,928	2,196	1,464	-	988	3,226	2,736	2,052	1,368	-	923	3,024	2,544	1,908	1,272	-	859
50	10.0	Q(Btu/h)	35,972	33,856	25,392	16,928	-	13,754	37,230	35,040	26,280	17,520	-	14,235	38,658	36,384	27,288	18,192	-	14,781
		W	3,341	2,796	2,097	1,398	-	944	3,082	2,604	1,953	1,302	-	879	2,880	2,412	1,809	1,206	-	814
45	7.2	Q(Btu/h)	31,520	31,360	23,520	15,680	-	12,740	32,800	32,544	24,408	16,272	-	13,221	34,080	33,888	25,416	16,944	-	13,767
		W	3,197	2,640	1,980	1,320	-	891	2,938	2,448	1,836	1,224	-	826	2,736	2,256	1,692	1,128	-	761
40	4.4	Q(Btu/h)	30,720	26,240	19,680	13,120	-	10,660	32,000	27,424	20,568	13,712	-	11,141	33,280	28,768	21,576	14,384	-	11,687
		W	3,110	2,424	1,818	1,212	-	818	2,851	2,280	1,710	1,140	-	770	2,650	2,112	1,584	1,056	-	713
35	1.7	Q(Btu/h)	30,720	22,720	17,040	11,360	-	9,230	32,000	25,280	18,960	12,640	-	10,270	33,280	26,880	20,160	13,440	-	10,920
		W	2,925	2,285	1,714	1,142	-	771	2,790	2,141	1,606	1,070	-	723	2,610	1,973	1,480	986	-	666
30	-1.1	Q(Btu/h)	30,720	21,760	16,320	10,880	-	8,840	32,000	22,912	17,184	11,456	-	9,308	33,280	23,872	17,904	11,936	-	9,698
		W	3,443	2,083	1,562	1,042	-	703	3,308	1,939	1,454	970	-	654	3,128	1,771	1,328	886	-	598
25	-3.9	Q(Btu/h)	30,720	20,800	15,600	10,400	-	8,450	32,000	21,952	16,464	10,976	-	8,918	33,280	22,912	17,184	11,456	-	9,308
		W	3,735	1,812	1,359	906	-	612	3,600	1,668	1,251	834	-	563	3,420	1,500	1,125	750	-	506
20	-6.7	Q(Btu/h)	30,720	19,840	14,880	9,920	-	8,060	32,000	20,992	15,744	10,496	-	8,528	33,280	21,952	16,464	10,976	-	8,918
		W	3,938	1,776	1,332	888	-	599	3,803	1,632	1,224	816	-	551	3,623	1,464	1,098	732	-	494
15	-9.4	Q(Btu/h)	30,720	19,360	14,520	9,680	-	7,865	32,000	20,512	15,384	10,256	-	8,333	33,280	21,472	16,104	10,736	-	8,723
		W	4,118	1,692	1,269	846	-	571	3,983	1,548	1,161	774	-	522	3,803	1,380	1,035	690	-	466
10	-12.2	Q(Btu/h)	30,720	18,624	13,968	9,312	-	7,566	32,000	19,776	14,832	9,888	-	8,034	33,280	20,736	15,552	10,368	-	8,424
		W	4,230	1,565	1,174	782	-	528	4,095	1,421	1,066	710	-	480	3,915	1,253	940	626	-	423
5	-15.0	Q(Btu/h)	30,720	18,224	13,668	9,112	-	7,404	32,000	19,376	14,532	9,688	-	7,872	33,280	20,336	15,252	10,168	-	8,262
		W	4,320	1,559	1,169	780	-	526	4,185	1,415	1,061	708	-	478	4,005	1,247	935	624	-	421
0	-17.8	Q(Btu/h)	28,960	17,920	13,440	8,960	-	7,280	30,240	19,072	14,304	9,536	-	7,748	31,520	20,032	15,024	10,016	-	8,138
		W	4,365	1,563	1,172	781	-	527	4,230	1,419	1,064	709	-	479	4,050	1,251	938	625	-	422
-4	-20.0	Q(Btu/h)	27,488	17,728	13,296	8,864	-	7,202	28,768	18,880	14,160	9,440	-	7,670	30,048	19,840	14,880	9,920	-	8,060
		W	4,388	1,547	1,160	774	-	522	4,253	1,403	1,052	702	-	474	4,073	1,235	926	618	-	417
-13	-25.0	Q(Btu/h)	24,320	17,561	13,171	8,780	-	7,134	25,600	18,713	14,035	9,356	-	7,602	26,880	19,673	14,755	9,836	-	7,992
		W	4,410	1,523	1,142	761	-	514	4,275	1,379	1,034	689	-	465	4,095	1,211	908	605	-	409

* Above data is for heating operation without any frost.

SVZ-KP36NA
SUZ-KA36NAHZ
1) COOLING

Rated
Q(Btu/h): 36,000
W: 3,760

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
115	46.1	Q(Btu/h)	36,288	36,288	27,216	18,144	-	14,314	33,480	33,480	25,110	16,740	-	13,206	31,428	31,428	23,571	15,714	-	12,397
		W	4,587	4,587	3,440	2,294	-	1,159	4,437	4,437	3,328	2,218	-	1,121	4,324	4,324	3,243	2,162	-	1,093
110	43.3	Q(Btu/h)	38,124	38,124	28,593	19,062	-	15,038	35,316	35,316	26,487	17,658	-	13,930	33,264	33,264	24,948	16,632	-	13,121
		W	4,354	4,354	3,266	2,177	-	1,100	4,204	4,204	3,153	2,102	-	1,062	4,091	4,091	3,068	2,045	-	1,034
105	40.6	Q(Btu/h)	38,916	38,916	29,187	19,458	-	15,350	36,108	36,108	27,081	18,054	-	14,243	34,056	34,056	25,542	17,028	-	13,433
		W	4,207	4,207	3,156	2,104	-	1,063	4,057	4,057	3,043	2,029	-	1,025	3,944	3,944	2,958	1,972	-	997
100	37.8	Q(Btu/h)	39,960	39,960	29,970	19,980	-	15,762	37,152	37,152	27,864	18,576	-	14,654	35,100	35,100	26,325	17,550	-	13,845
		W	4,004	4,004	3,003	2,002	-	1,012	3,854	3,854	2,891	1,927	-	974	3,741	3,741	2,806	1,871	-	945
95	35.0	Q(Btu/h)	40,824	40,824	30,618	20,412	-	16,103	38,016	38,016	28,512	19,008	-	14,995	35,964	35,964	26,973	17,982	-	14,186
		W	3,843	3,843	2,882	1,921	-	971	3,692	3,692	2,769	1,846	-	933	3,580	3,580	2,685	1,790	-	904
90	32.2	Q(Btu/h)	41,400	41,400	31,050	20,700	-	16,330	38,592	38,592	28,944	19,296	-	15,222	36,540	36,540	27,405	18,270	-	14,413
		W	3,722	3,722	2,792	1,861	-	941	3,572	3,572	2,679	1,786	-	903	3,459	3,459	2,594	1,730	-	874
85	29.4	Q(Btu/h)	41,832	41,832	31,374	20,916	-	16,500	39,024	39,024	29,268	19,512	-	15,393	36,972	36,972	27,729	18,486	-	14,583
		W	3,610	3,610	2,707	1,805	-	912	3,459	3,459	2,594	1,730	-	874	3,346	3,346	2,510	1,673	-	846
80	26.7	Q(Btu/h)	42,480	42,480	31,860	21,240	-	16,756	39,672	39,672	29,754	19,836	-	15,648	37,620	37,620	28,215	18,810	-	14,839
		W	3,489	3,489	2,617	1,745	-	882	3,339	3,339	2,504	1,669	-	844	3,226	3,226	2,420	1,613	-	815
75	23.9	Q(Btu/h)	42,948	42,948	32,211	21,474	-	16,941	40,140	40,140	30,105	20,070	-	15,833	38,088	38,088	28,566	19,044	-	15,024
		W	3,384	3,384	2,538	1,692	-	855	3,234	3,234	2,425	1,617	-	817	3,121	3,121	2,341	1,560	-	789
70	21.1	Q(Btu/h)	43,200	43,200	32,400	21,600	-	17,040	40,392	40,392	30,294	20,196	-	15,932	38,340	38,340	28,755	19,170	-	15,123
		W	3,301	3,301	2,476	1,651	-	834	3,151	3,151	2,363	1,575	-	796	3,038	3,038	2,279	1,519	-	768
67	19.4	Q(Btu/h)	43,488	43,488	32,616	21,744	-	17,154	40,680	40,680	30,510	20,340	-	16,046	38,628	38,628	28,971	19,314	-	15,237
		W	3,241	3,241	2,431	1,621	-	819	3,091	3,091	2,318	1,545	-	781	2,978	2,978	2,233	1,489	-	752

* It may not reach the above capacities in low ambient temperatures.

SVZ-KP36NA
SUZ-KA36NAHZ
2) HEATING

Rated
Q(Btu/h): 37,000
W: 3,280

Indoor D.B.			77°F / 25.0°C						68°F / 20.0°C						59°F / 15.0°C					
Outdoor W.B.			Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min	Max	Rated	75%	50%	25%	Min
(°F)	(°C)																			
65	18.3	Q(Btu/h)	51,052	47,223	35,417	23,612	-	17,613	52,532	48,592	36,444	24,296	-	18,124	54,212	50,146	37,610	25,073	-	18,703
		W	5,450	4,297	3,223	2,148	-	1,074	5,075	4,034	3,026	2,017	-	1,009	4,784	3,772	2,829	1,886	-	943
60	15.6	Q(Btu/h)	48,200	44,585	33,439	22,293	-	16,629	49,680	45,954	34,466	22,977	-	17,140	51,360	47,508	35,631	23,754	-	17,719
		W	5,242	4,133	3,100	2,066	-	1,033	4,867	3,870	2,903	1,935	-	968	4,576	3,608	2,706	1,804	-	902
55	12.8	Q(Btu/h)	45,000	41,625	31,219	20,813	-	15,525	46,480	42,994	32,246	21,497	-	16,036	48,160	44,548	33,411	22,274	-	16,615
		W	5,034	4,002	3,001	2,001	-	1,000	4,659	3,739	2,804	1,870	-	935	4,368	3,477	2,608	1,738	-	869
50	10.0	Q(Btu/h)	42,320	39,146	29,360	19,573	-	14,600	43,800	40,515	30,386	20,258	-	15,111	45,480	42,069	31,552	21,035	-	15,691
		W	4,826	3,821	2,866	1,911	-	955	4,451	3,559	2,669	1,779	-	890	4,160	3,296	2,472	1,648	-	824
45	7.2	Q(Btu/h)	36,445	36,260	27,195	18,130	-	13,524	37,925	37,629	28,222	18,815	-	14,035	39,405	39,183	29,387	19,592	-	14,614
		W	4,618	3,608	2,706	1,804	-	902	4,243	3,346	2,509	1,673	-	836	3,952	3,083	2,312	1,542	-	771
40	4.4	Q(Btu/h)	35,520	30,340	22,755	15,170	-	11,316	37,000	31,709	23,782	15,855	-	11,827	38,480	33,263	24,947	16,632	-	12,406
		W	4,493	3,313	2,485	1,656	-	828	4,118	3,116	2,337	1,558	-	779	3,827	2,886	2,165	1,443	-	722
35	1.7	Q(Btu/h)	35,520	26,270	19,703	13,135	-	9,798	37,000	29,230	21,923	14,615	-	10,902	38,480	31,080	23,310	15,540	-	11,592
		W	4,507	3,123	2,342	1,561	-	781	4,299	2,926	2,194	1,463	-	731	4,021	2,696	2,022	1,348	-	674
30	-1.1	Q(Btu/h)	35,520	25,160	18,870	12,580	-	9,384	37,000	26,492	19,869	13,246	-	9,881	38,480	27,602	20,702	13,801	-	10,295
		W	5,304	2,847	2,135	1,424	-	712	5,096	2,650	1,988	1,325	-	663	4,819	2,421	1,815	1,210	-	605
25	-3.9	Q(Btu/h)	35,520	24,050	18,038	12,025	-	8,970	37,000	25,382	19,037	12,691	-	9,467	38,480	26,492	19,869	13,246	-	9,881
		W	5,755	2,476	1,857	1,238	-	619	5,547	2,280	1,710	1,140	-	570	5,269	2,050	1,538	1,025	-	513
20	-6.7	Q(Btu/h)	35,520	22,940	17,205	11,470	-	8,556	37,000	24,272	18,204	12,136	-	9,053	38,480	25,382	19,037	12,691	-	9,467
		W	6,067	2,427	1,820	1,214	-	607	5,859	2,230	1,673	1,115	-	558	5,581	2,001	1,501	1,000	-	500
15	-9.4	Q(Btu/h)	35,520	22,385	16,789	11,193	-	8,349	37,000	23,717	17,788	11,859	-	8,846	38,480	24,827	18,620	12,414	-	9,260
		W	6,344	2,312	1,734	1,156	-	578	6,136	2,116	1,587	1,058	-	529	5,859	1,886	1,415	943	-	472
10	-12.2	Q(Btu/h)	35,520	21,534	16,151	10,767	-	8,032	37,000	22,866	17,150	11,433	-	8,528	38,480	23,976	17,982	11,988	-	8,942
		W	6,517	2,139	1,604	1,069	-	535	6,309	1,942	1,456	971	-	485	6,032	1,712	1,284	856	-	428
5	-15.0	Q(Btu/h)	35,520	21,072	15,804	10,536	-	7,859	37,000	22,404	16,803	11,202	-	8,356	38,480	23,514	17,635	11,757	-	8,770
		W	6,656	2,131	1,598	1,066	-	533	6,448	1,934	1,451	967	-	484	6,171	1,705	1,278	852	-	426
0	-17.8	Q(Btu/h)	33,485	20,720	15,540	10,360	-	7,728	34,965	22,052	16,539	11,026	-	8,225	36,445	23,162	17,372	11,581	-	8,639
		W	6,725	2,136	1,602	1,068	-	534	6,517	1,939	1,454	970	-	485	6,240	1,710	1,282	855	-	427
-4	-20.0	Q(Btu/h)	31,783	20,498	15,374	10,249	-	7,645	33,263	21,830	16,373	10,915	-	8,142	34,743	22,940	17,205	11,470	-	8,556
		W	6,760	2,115	1,586	1,057	-	529	6,552	1,918	1,438	959	-	479	6,275	1,688	1,266	844	-	422
-13	-25.0	Q(Btu/h)	28,120	20,305	15,228	10,152	-	7,573	29,600	21,637	16,227	10,818	-	8,070	31,080	22,747	17,060	11,373	-	8,484
		W	6,795	2,081	1,561	1,041	-	520	6,587	1,884	1,413	942	-	471	6,309	1,655	1,241	827	-	414

* Above data is for heating operation without any frost.

A.8 OUTDOOR UNIT (SUZ)

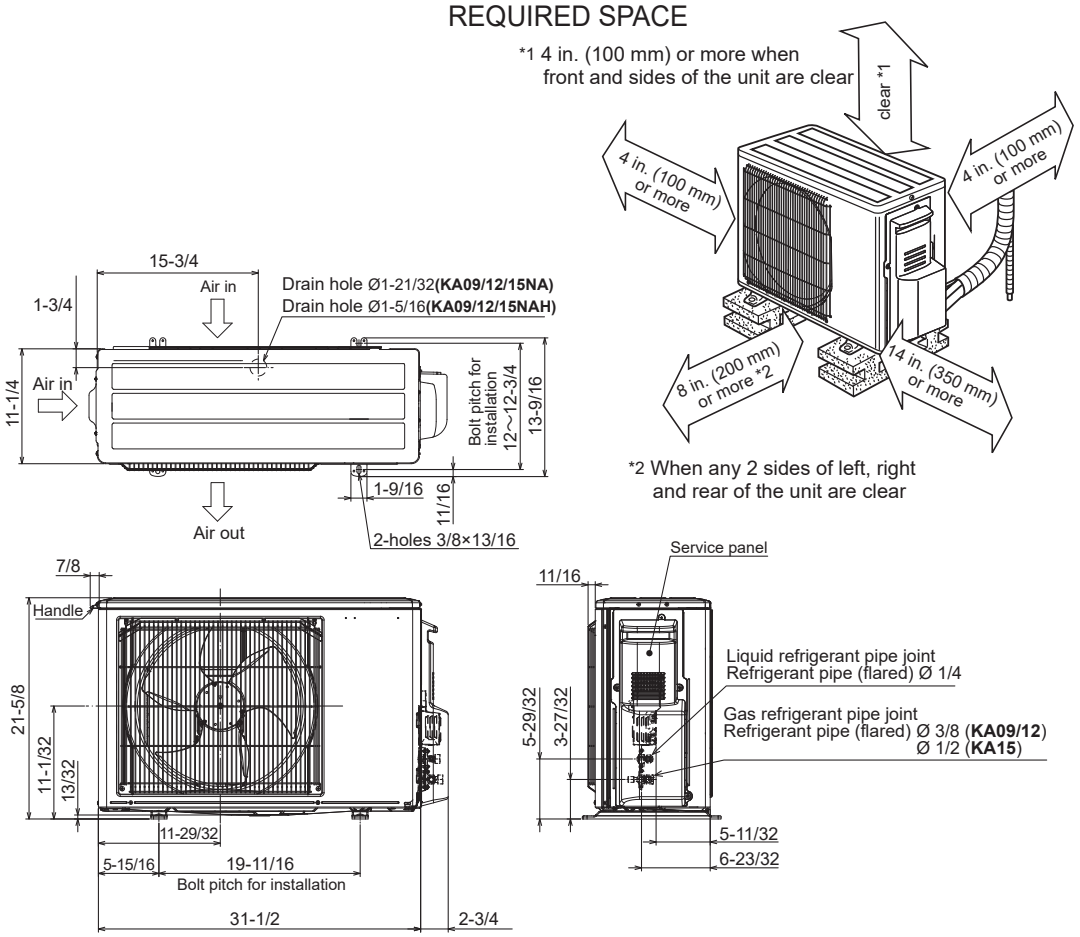
A.8.1 OUTLINES AND DIMENSIONS A-688
A.8.2 WIRING DIAGRAM A-693
A.8.3 REFRIGERANT SYSTEM DIAGRAM A-701
A.8.4 PERFORMANCE CURVES A-706
A.8.5 NOISE CRITERIA CURVES A-714
A.8.6 CAPACITY CORRECTION RATIO CURVE PIPING LENGTH A-717
A.8.7 EARTHQUAKE-PROOF STRENGTH ANALYSIS A-721

A.8.1 OUTLINES AND DIMENSIONS

SUZ-KA09NA2
SUZ-KA12NA2
SUZ-KA15NA2

Unit: inch

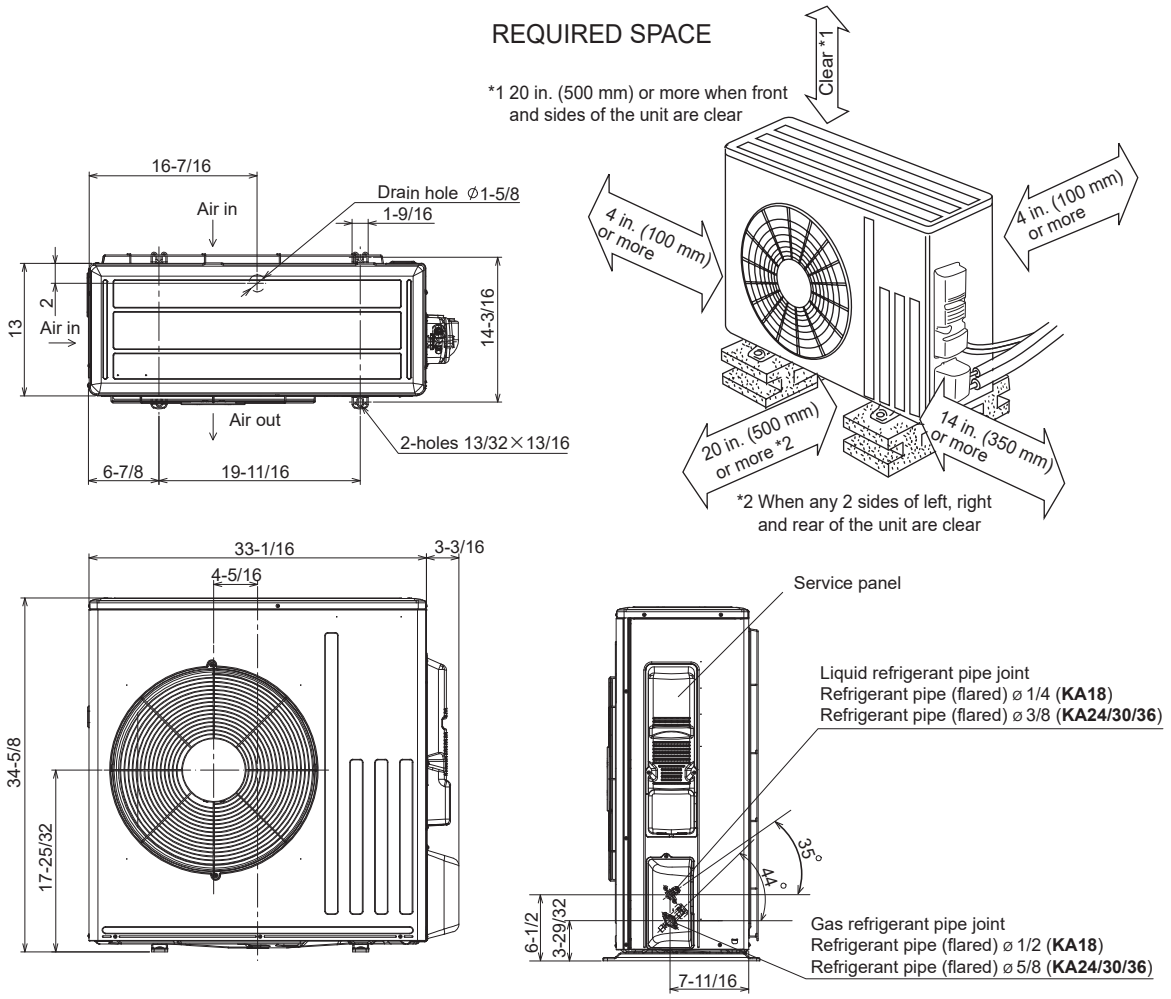
OUTDOOR UNIT



SUZ-KA18NA2
SUZ-KA24NA2
SUZ-KA30NA2
SUZ-KA36NA2

Unit: inch

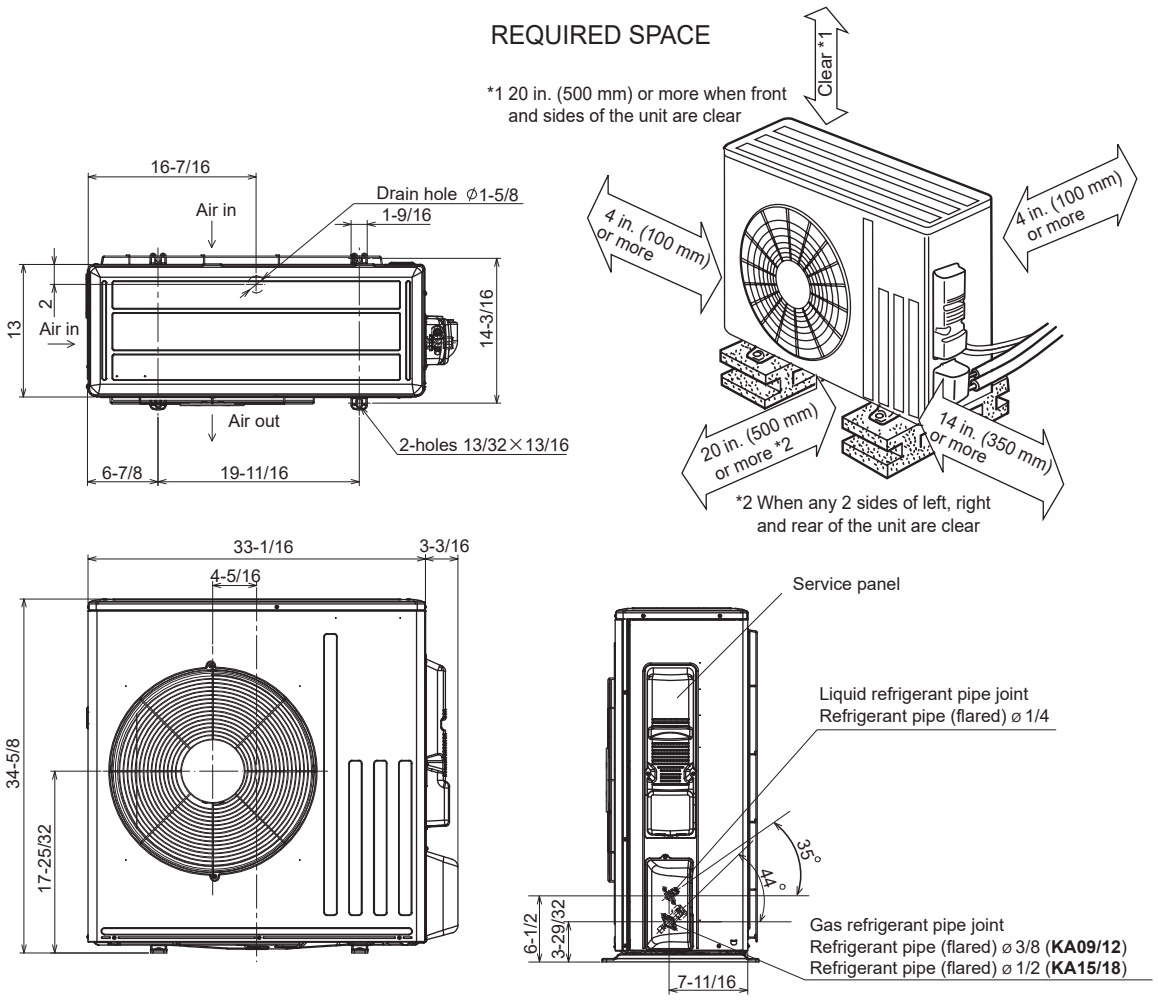
OUTDOOR UNIT



SUZ-KA09NAHZ
SUZ-KA12NAHZ
SUZ-KA15NAHZ
SUZ-KA18NAHZ

Unit: inch

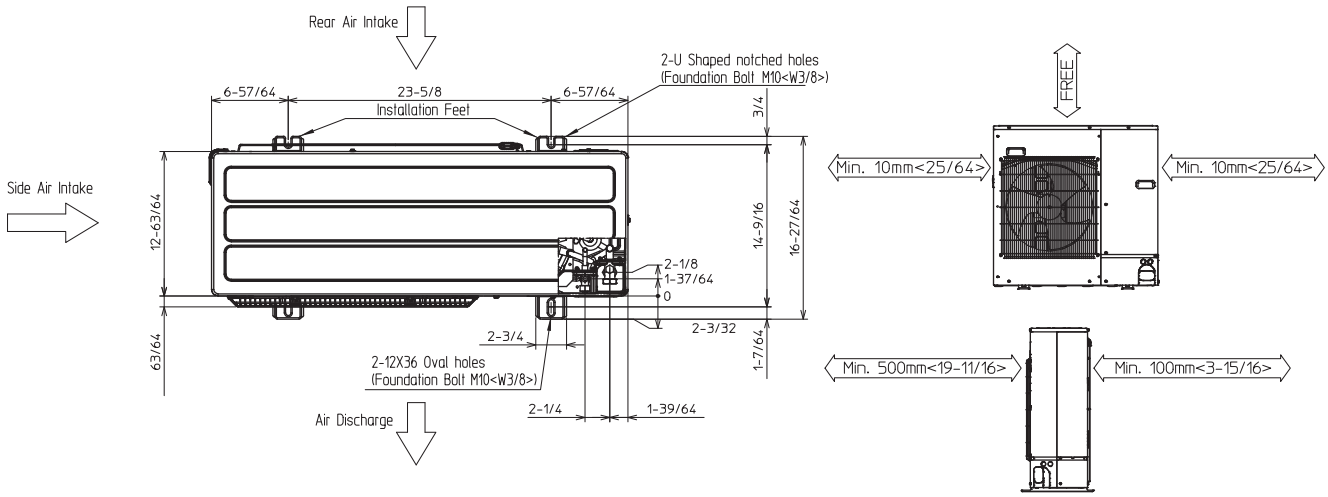
OUTDOOR UNIT

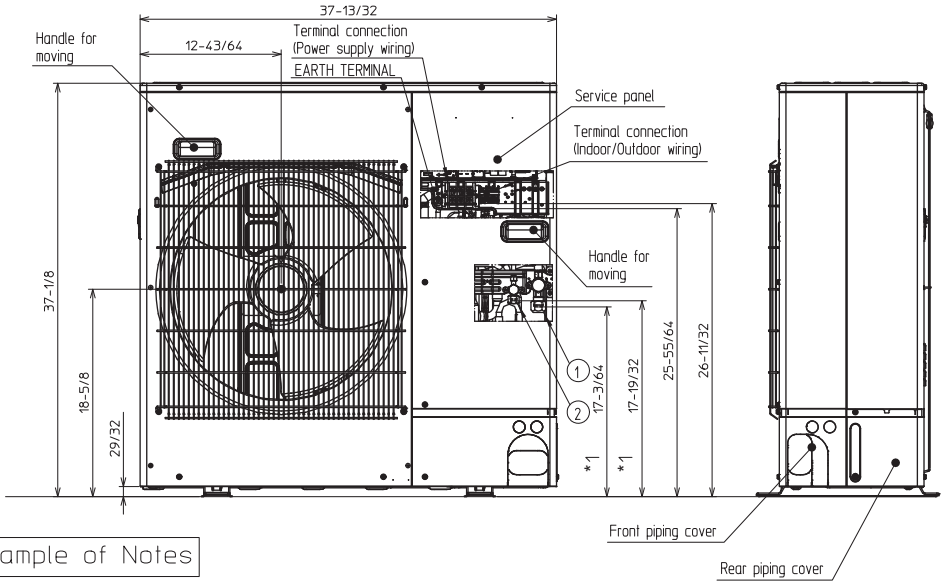


SUZ-KA24NAHZ

Unit: inch

OUTDOOR UNIT





Example of Notes

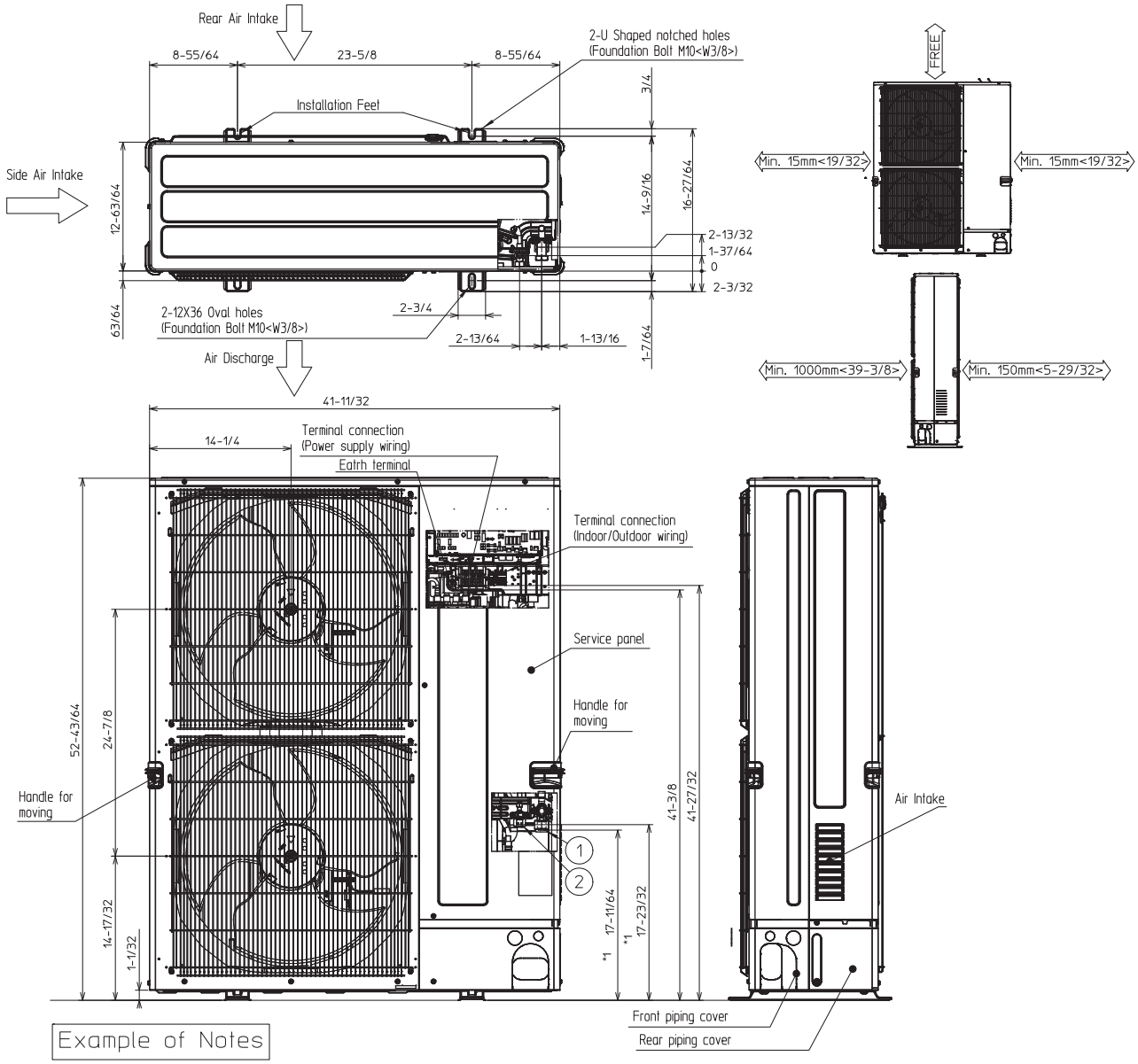
① · · ·Refrigerant GAS pipe connection
(FLARE)ø15.88(5/8F).

② · · ·Refrigerant LIQUID pipe connection
(FLARE)ø9.52(3/8F).

*1· · ·Indication of VALVE connection location.

SUZ-KA30NAHZ
SUZ-KA36NAHZ

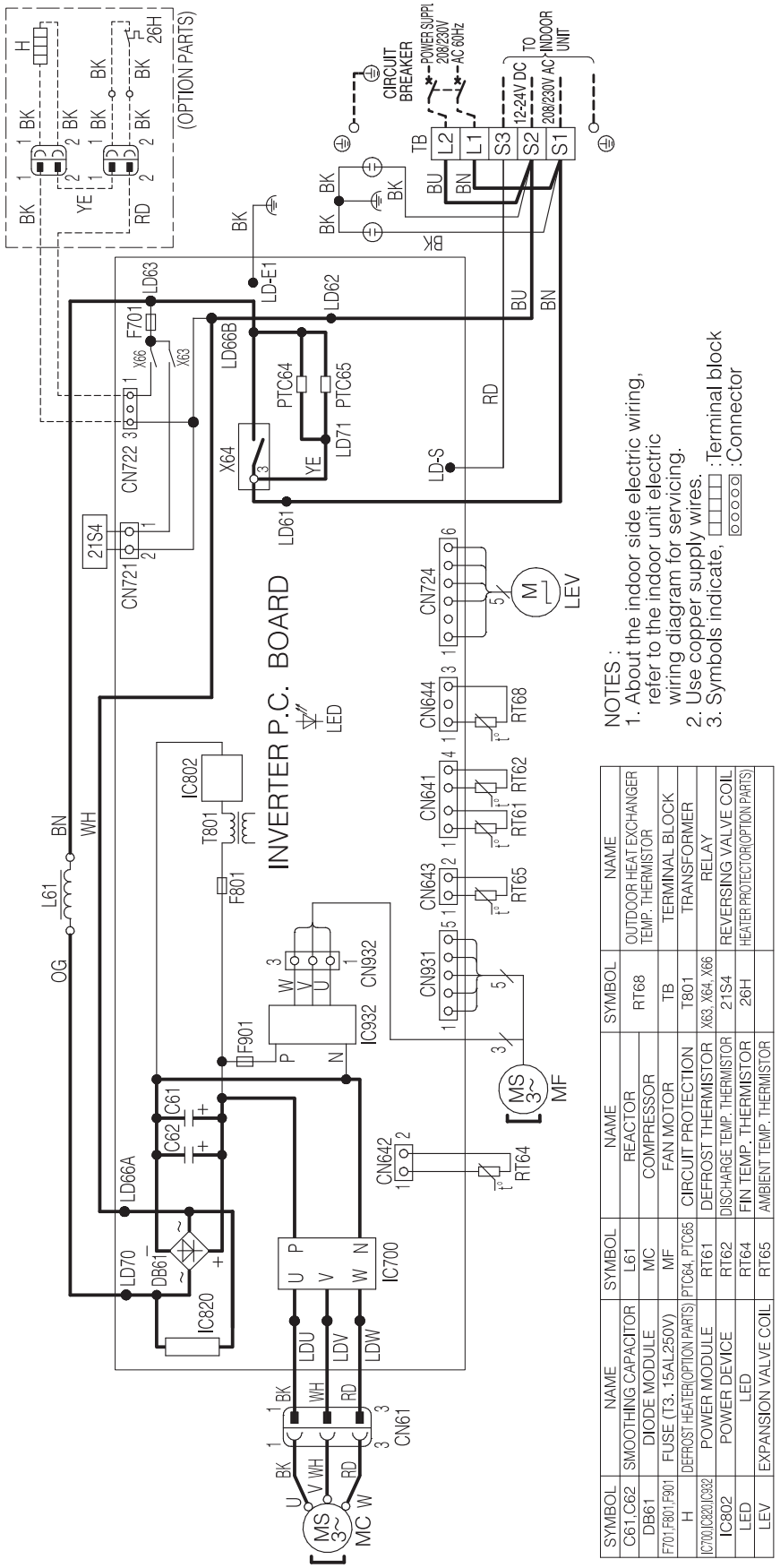
Unit: inch



A.8.2 WIRING DIAGRAM

SUZ-KA09NA2
SUZ-KA12NA2

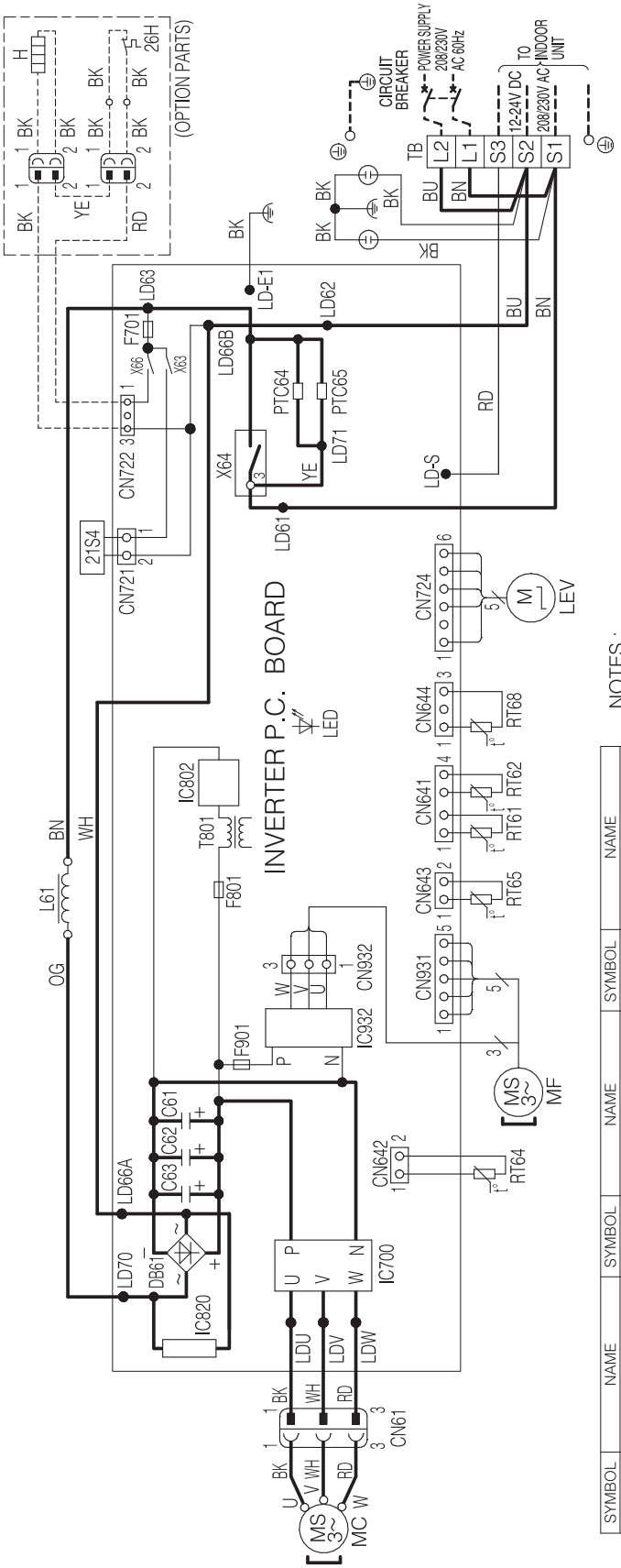
OUTDOOR UNIT



NOTES :
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, □□□□□ :Terminal block, ○○○○○ :Connector

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
C61,C62	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61	DIODE MODULE	MC	COMPRESSOR		
F701,F801,F901	FUSE (T3. 15AL250V)	MF	FAN MOTOR	TB	TERMINAL BLOCK
H	DEFROST HEATER(OPTION PARTS)	PTC64, PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
IC700,IC820,IC932	POWER MODULE	RT61	DEFROST THERMISTOR	X63, X64, X66	RELAY
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
LED	LED	RT64	FIN TEMP. THERMISTOR	26H	HEATER PROTECTOR(OPTION PARTS)
LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR		

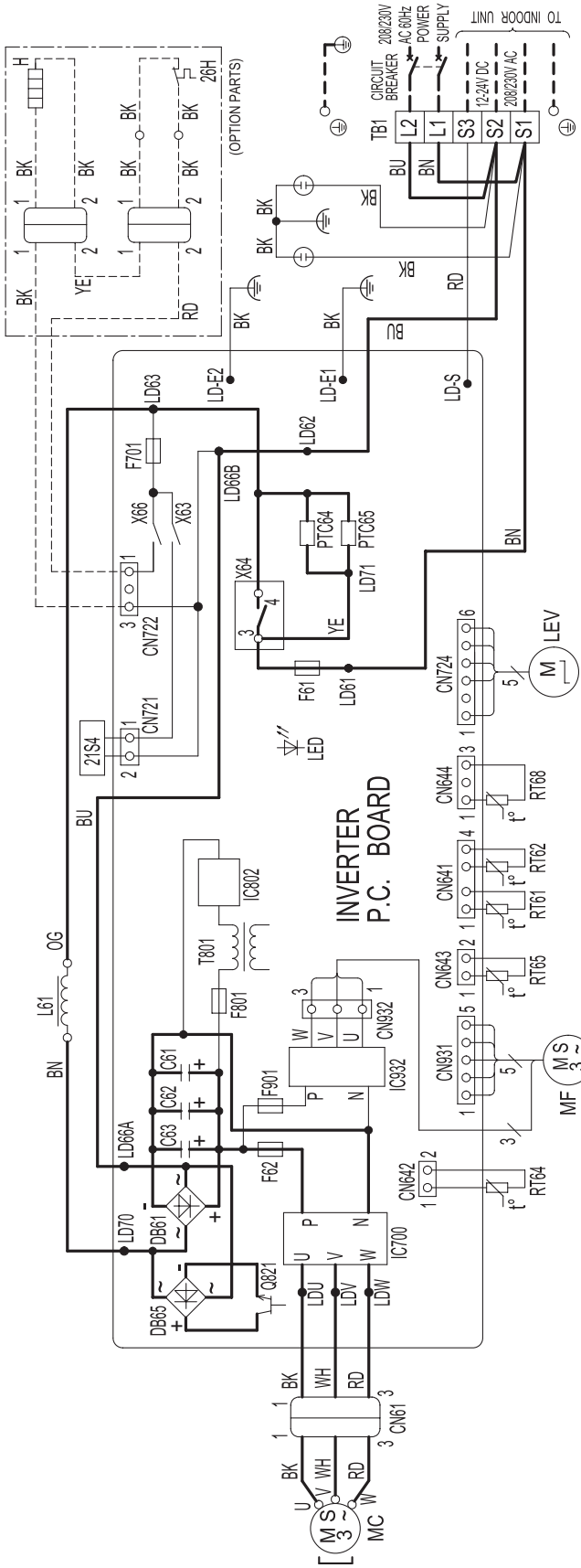
SUZ-KA15NA2



NOTES :
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, □□□□□ :Terminal block ⊙⊙⊙⊙⊙ :Connector

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
C61,C62,C63	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61	DIODE MODULE	MC	COMPRESSOR		
F701,F801,F901	FUSE (T3. 15AL,250V)	MF	FAN MOTOR	TB	TERMINAL BLOCK
H	DEFROST HEATER(OPTION PARTS)	PTC64, PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
IC700,IC820,IC932	POWER MODULE	RT61	DEFROST THERMISTOR	X63, X64, X66	RELAY
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
LED	LED	RT64	FIN TEMP. THERMISTOR	26H	HEATER PROTECTOR(OPTION PARTS)
LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR		

SUZ-KA18NA2



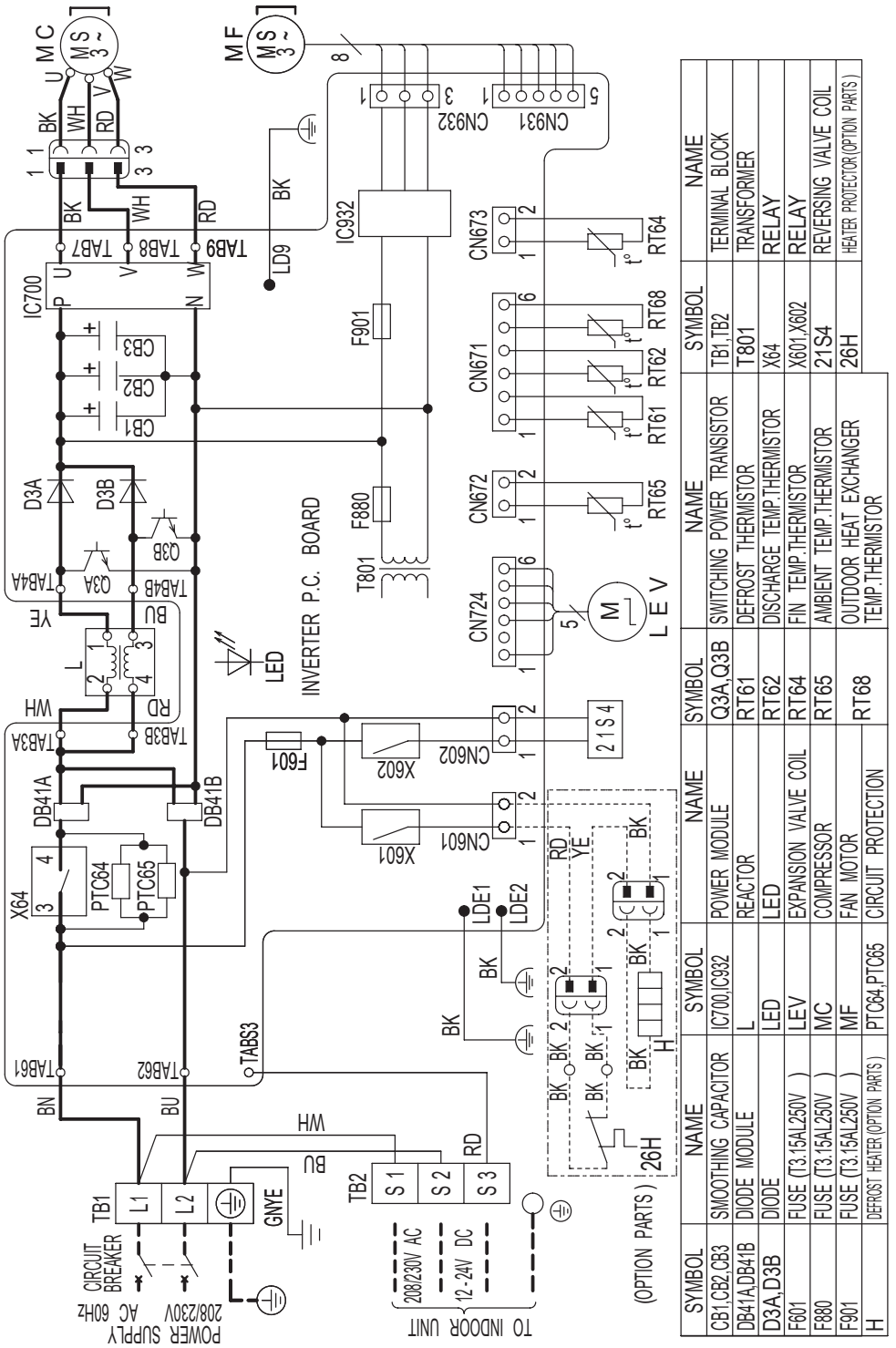
NOTES:
1.About the indoor side electric wiring,refer to the indoor unit electric wiring diagram for servicing.
2.Use copper supply wires.
3.Symbols indicate, □□□□□ :Terminal block ○○○○○ :Connector

SYMBOL	NAME
CN61	CONNECTOR
C61 , C62 , C63	SMOOTHING CAPACITOR
DB61 , DB65	DIODE MODULE
F61	FUSE (25A 250V)
F62	FUSE (15A 250V)
F701 , F801 , F901	FUSE (T3.15AL250V)
H	DEFROST HEATER (OPTION PARTS)
IC700 , IC932	POWER MODULE
IC802	POWER DEVICE

SYMBOL	NAME
LED	LED
LEV	EXPANSION VALVE COIL
L61	REACTOR
MC	COMPRESSOR
MF	FAN MOTOR
PTC64 , PTC65	CIRCUIT PROTECTION
Q821	SWITCHING POWER TRANSISTOR
RT61	DEFROST THERMISTOR
RT62	DISCHARGE TEMP. THERMISTOR

SYMBOL	NAME
RT64	FIN TEMP. THERMISTOR
RT65	AMBIENT TEMP. THERMISTOR
RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
TB1	TERMINAL BLOCK
T801	TRANSFORMER
X63 , X64 ,X66	RELAY
21S4	REVERSING VALVE COIL
26H	HEATER PROTECTOR (OPTION PARTS)

SUZ-KA24NA2
SUZ-KA30NA2
SUZ-KA36NA2



SYMBOL	NAME
CB1,CB2,CB3	SMOOTHING CAPACITOR
DB41A,DB41B	DIODE MODULE
D3A,D3B	DIODE
F601	FUSE (T3.15AL250V)
F880	FUSE (T3.15AL250V)
F901	FUSE (T3.15AL250V)
H	DEFROST HEATER (OPTION PARTS)

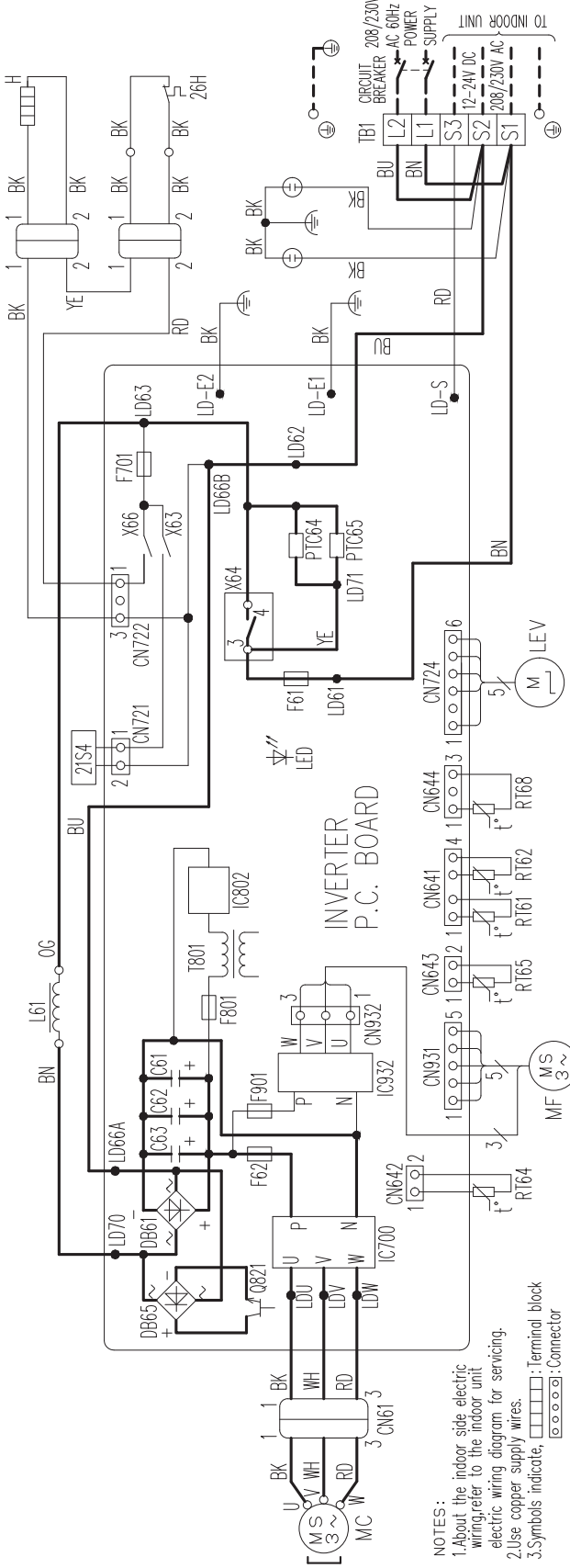
SYMBOL	NAME
IC700,IC932	POWER MODULE
L	REACTOR
LED	LED
LEV	EXPANSION VALVE COIL
MC	COMPRESSOR
MF	FAN MOTOR
PTC64,PTC65	CIRCUIT PROTECTION

SYMBOL	NAME
Q3A,Q3B	SWITCHING POWER TRANSISTOR
RT61	DEFROST THERMISTOR
RT62	DISCHARGE TEMP.THERMISTOR
RT64	FIN TEMP.THERMISTOR
RT65	AMBIENT TEMP.THERMISTOR
RT68	OUTDOOR HEAT EXCHANGER TEMP.THERMISTOR

SYMBOL	NAME
TB1,TB2	TERMINAL BLOCK
T801	TRANSFORMER
X64	RELAY
X601,X602	RELAY
21S4	REVERSING VALVE COIL
26H	HEATER PROTECTOR (OPTION PARTS)

NOTES 1.About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2.Use copper supply wires. 3.Symbols indicate, □□□ :Terminal block ⊙⊙⊙ :Connector

SUZ-KA09NAHZ
SUZ-KA12NAHZ

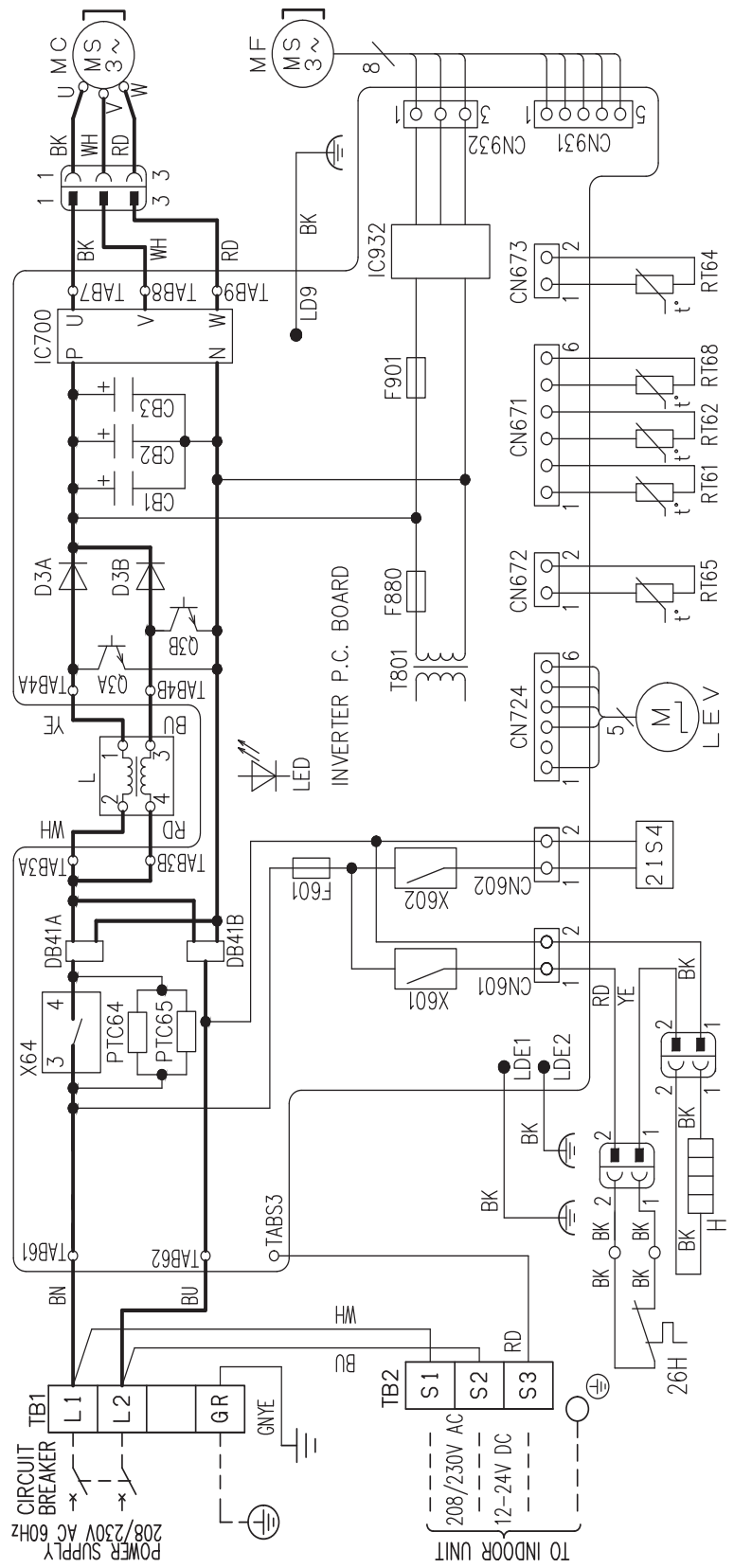


NOTES:
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, □□□□□: Terminal block, ○○○○○: Connector

REMARQUES:
1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les significations suivantes, □□□□□: Borne, ○○○○○: Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	LED	LED	RT64	FIN TEMP. THERMISTOR
C61,C62,C63	SMOOTHING CAPACITOR	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
DB61,DB65	DIODE MODULE	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
F61	FUSE (25A 250V)	MC	COMPRESSOR		
F62	FUSE (15A 250V)	MF	FAN MOTOR	TB1	TERMINAL BLOCK
F701,F801,F901	FUSE (T3.15AL250V)	PTC64,PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
H	DEFROST HEATER	Q821	SWITCHING POWER TRANSISTOR	X63,X64,X66	RELAY
IC700,IC932	POWER MODULE	R61	DEFROST THERMISTOR	21S4	REVERSING VALVE COIL
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	26H	HEATER PROTECTOR

SUZ-KA15NAHZ
SUZ-KA18NAHZ



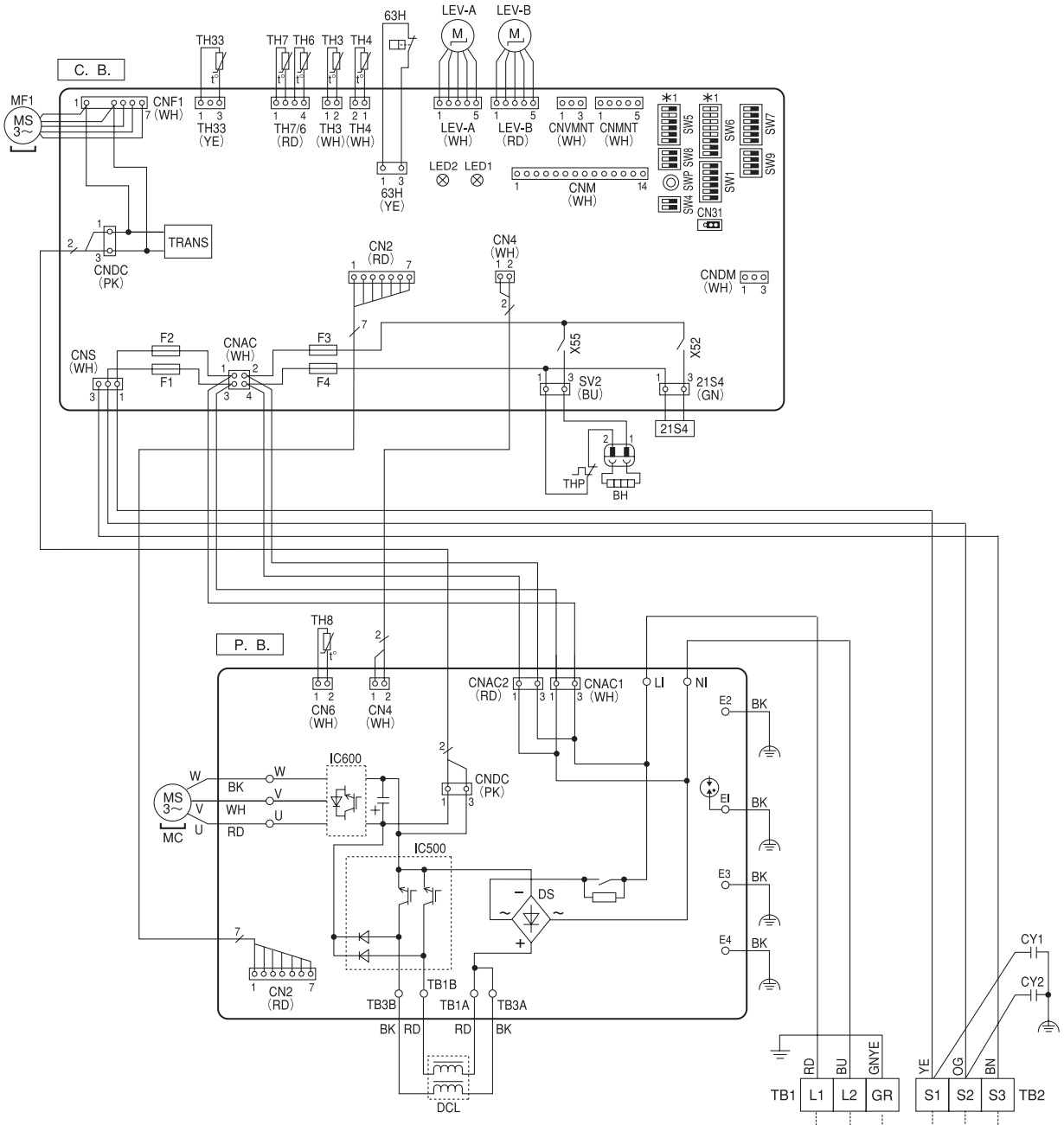
SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1, CB2, CB3	SMOOTHING CAPACITOR	IC700, IC932	POWER MODULE	Q3A, Q3B	SWITCHING POWER TRANSISTOR	TB1, TB2	TERMINAL BLOCK
DB41A, DB41B	DIODE MODULE	L	REACTOR	RT61	DEFROST THERMISTOR	T801	TRANSFORMER
D3A, D3B	DIODE	LED	LED	RT62	DISCHARGE TEMP. THERMISTOR	X64	RELAY
F601	FUSE (T3.15AL250V)	LEV	EXPANSION VALVE COIL	RT64	FIN TEMP. THERMISTOR	X601, X602	RELAY
F880	FUSE (T3.15AL250V)	MC	COMPRESSOR	RT65	AMBIENT TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
F901	FUSE (T3.15AL250V)	MF	FAN MOTOR		OUTDOOR HEAT EXCHANGER	26H	HEATER PROTECTOR
H	DEFROST HEATER	PTC64, PTC65	CIRCUIT PROTECTION	RT68	TEMP. THERMISTOR		

NOTES 1.About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2.Use copper supply wires. 3.Symbols indicate, □□□ : Terminal block ○○○ : Connector

REMARQUES 1.Pour le câblage électronique côté intérieur, se reporter au schema d'entretien du câblage électronique de l'appareil intérieur.
2.Utiliser des fils d'alimentation en cuivre. 3.Les symboles ont les significations suivantes, □□□ : Borne ○○○ : Connecteur

SUZ-KA24NAHZ

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
TB1	Terminal Block 〈Power Supply〉	TH8	Thermistor 〈Heat Sink〉	SW5	Switch 〈Function Switch, Model Select〉
TB2	Terminal Block 〈Indoor/Outdoor〉	TH33	Thermistor 〈Comp. Surface〉	SW6	Switch 〈Model Select〉
MC	Motor for Compressor	LEV-A, LEV-B	Linear Expansion Valve	SW7	Switch 〈Function Switch〉
MF1	Fan Motor	DCL	Reactor	SW8	Switch 〈Function Switch〉
21S4	Solenoid Valve 〈4-Way Valve〉	CY1, CY2	Capacitor	SW9	Switch 〈Function Switch〉
63H	High Pressure Switch	P. B.	Power Circuit Board	SWP	Switch 〈Pump Down〉
BH	Base Heater	C. B.	Controller Circuit Board	CNM	Connector 〈Connection for Option〉
THP	Thermal Protector	F1, F2	Fuse 〈T10AL250V〉	CN31	Connector 〈Emergency Operation〉
TH3	Thermistor 〈Liquid〉	F3, F4	Fuse 〈T6.3AL250V〉	CNDM	Connector 〈Connection for Option〉
TH4	Thermistor 〈Discharge〉	SW1	Switch 〈Manual Defrost, Defect History Record Reset, Refrigerant Address〉	SV2	Connector
TH6	Thermistor 〈2-Phase Pipe〉			X52, X55	Relay
TH7	Thermistor 〈Ambient〉	SW4	Switch 〈Function Switch〉		



∗1. MODEL SELECT
The black square (■) indicates a switch position.

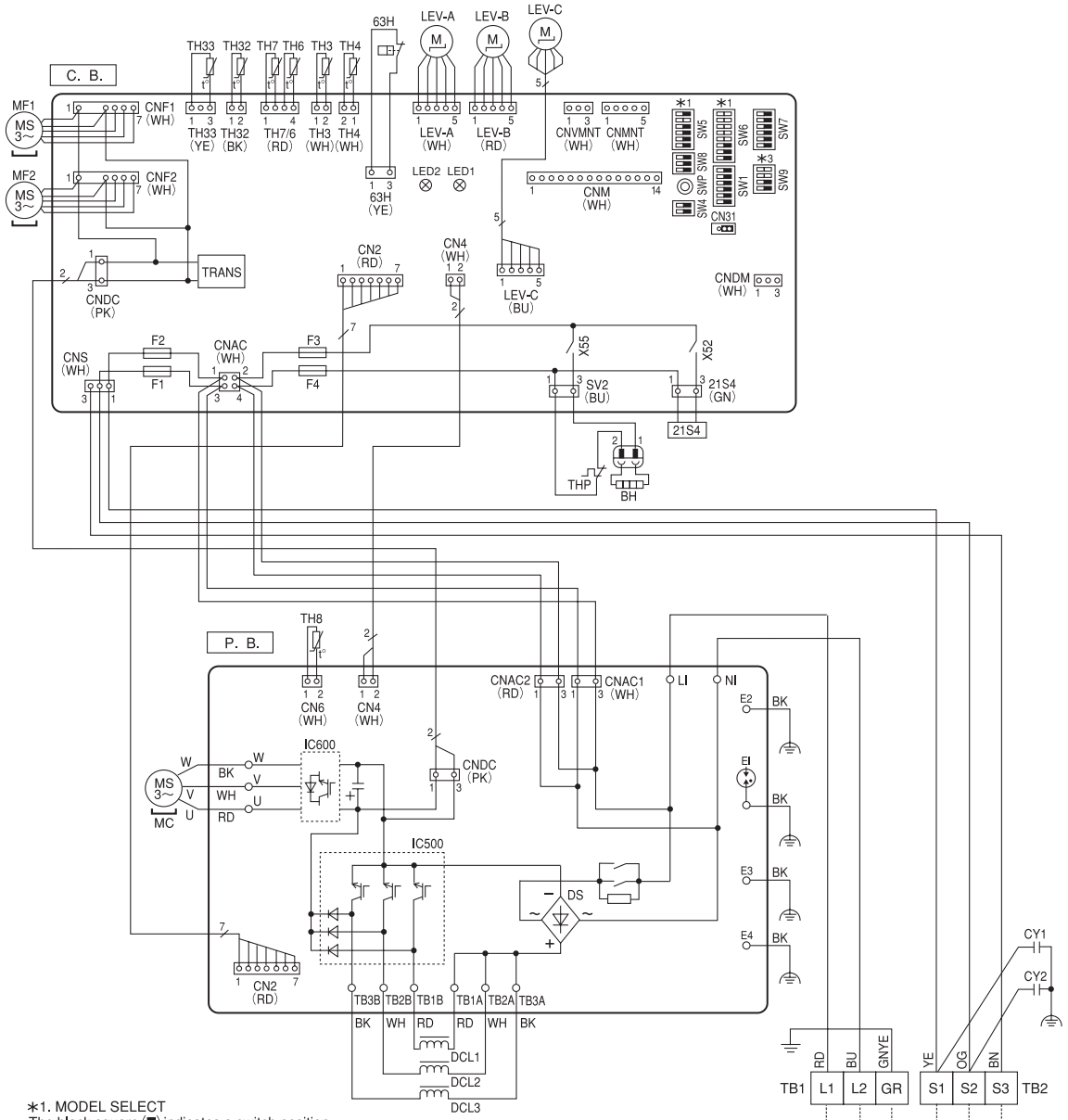
MODEL	SW6-4, 5, 6, 7, 8 ∗2	SW5-5 ∗2
SUZ-KA24NAHZ	ON / OFF 1 2 3 4 5 6 7 8	ON / OFF 1 2 3 4 5 6

∗2. SW6-1 to 3, SW5-1 to 4, 6 : Function Switch

∗Use copper supply wires.
∗Utiliser des fils d'alimentation en cuivre.

SUZ-KA30NAHZ
SUZ-KA36NAHZ

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
TB1	Terminal Block 〈Power Supply〉	TH8	Thermistor 〈Heat Sink〉	SW4	Switch 〈Function Switch〉
TB2	Terminal Block 〈Indoor/Outdoor〉	TH32	Thermistor 〈Suction〉	SW5	Switch 〈Function Switch, Model Select〉
MC	Motor for Compressor	TH33	Thermistor 〈Comp. Surface〉	SW6	Switch 〈Model Select〉
MF1, MF2	Fan Motor	LEV-A, LEV-B, LEV-C	Linear Expansion Valve	SW7	Switch 〈Function Switch〉
21S4	Solenoid Valve 〈4-Way Valve〉	DCL1, DCL2, DCL3	Reactor	SW8	Switch 〈Function Switch〉
63H	High Pressure Switch	CY1, CY2	Capacitor	SW9	Switch 〈Function Switch〉
BH	Base Heater	P. B.	Power Circuit Board	SWP	Switch 〈Pump Down〉
THP	Thermal Protector	C. B.	Controller Circuit Board	CNM	Connector 〈Connection for Option〉
TH3	Thermistor 〈Liquid〉	F1, F2	Fuse 〈T10AL250V〉	CN31	Connector 〈Emergency Operation〉
TH4	Thermistor 〈Discharge〉	F3, F4	Fuse 〈T6.3AL250V〉	CNDM	Connector 〈Connection for Option〉
TH6	Thermistor 〈2-Phase Pipe〉	SW1	Switch 〈Manual Defrost, Defect History Record Reset, Refrigerant Address〉	SV2	Connector
TH7	Thermistor 〈Ambient〉			X52, X55	Relay



∗1. MODEL SELECT
The black square (■) indicates a switch position.

MODEL	SW6-4, 5, 6, 7, 8 ∗2	SW5-5 ∗2	MODEL	SW6-4, 5, 6, 7, 8 ∗2	SW5-5 ∗2
SUZ-KA30NAHZ	ON OFF 1 2 3 4 5 6 7 8	ON OFF 1 2 3 4 5 6	SUZ-KA36NAHZ	ON OFF 1 2 3 4 5 6 7 8	ON OFF 1 2 3 4 5 6

∗2. SW6 -1 to 3, SW5-1 to 4, 6 : Function Switch

∗3 Ambient temp. of ZUBADAN Flash Injection becomes effective.
The black square (■) indicates a switch position.

Ambient temp.	SW9-3,4 ∗4	Ambient temp.	SW9-3,4 ∗4	Ambient temp.	SW9-3,4 ∗4	Ambient temp.	SW9-3,4 ∗4
37°F or less (Initial setting)	ON OFF 1 2 3 4	32°F or less	ON OFF 1 2 3 4	27°F or less	ON OFF 1 2 3 4	21°F or less	ON OFF 1 2 3 4

∗4 SW9-1 to 2 : Function Switch

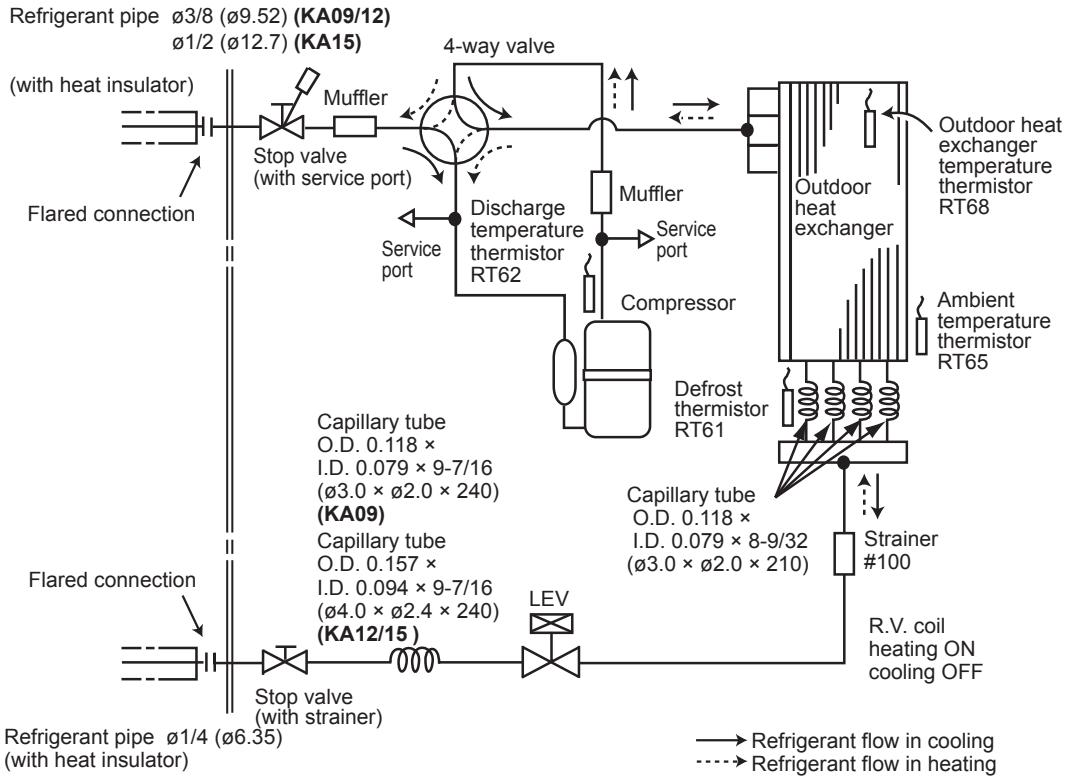
∗Use copper supply wires.
∗Utiliser des fils d'alimentation en cuivre.

A.8.3 REFRIGERANT SYSTEM DIAGRAM

SUZ-KA09NA2
SUZ-KA12NA2
SUZ-KA15NA2

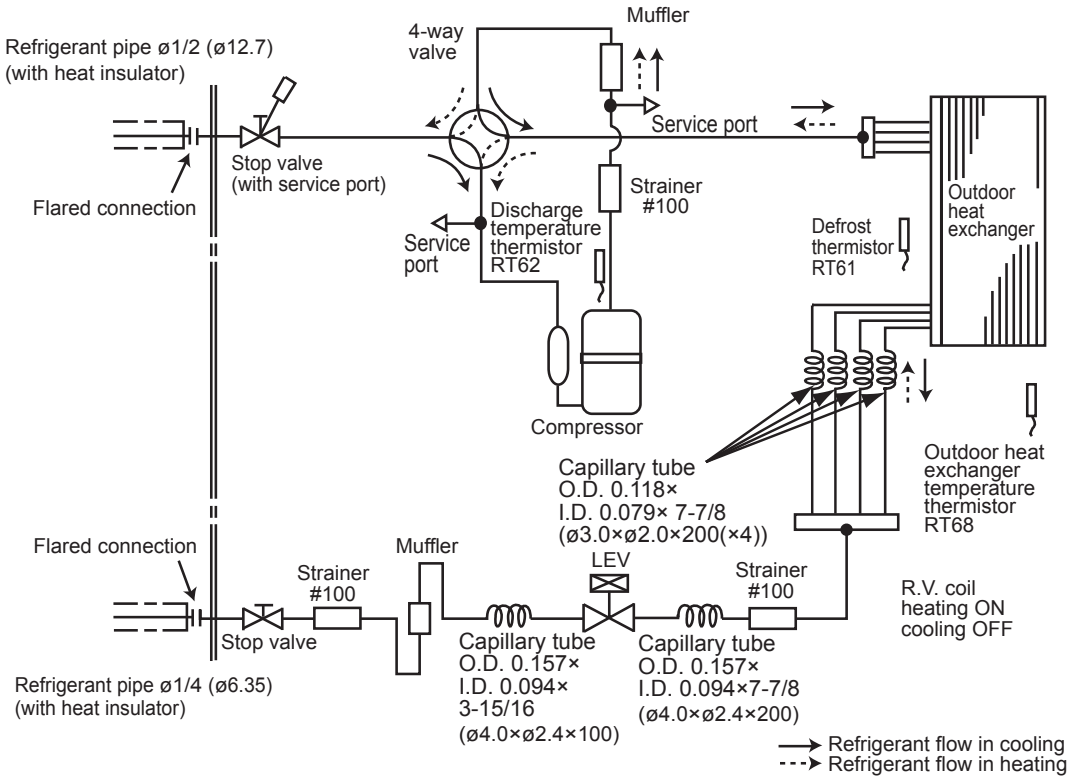
Unit: inch (mm)

OUTDOOR UNIT



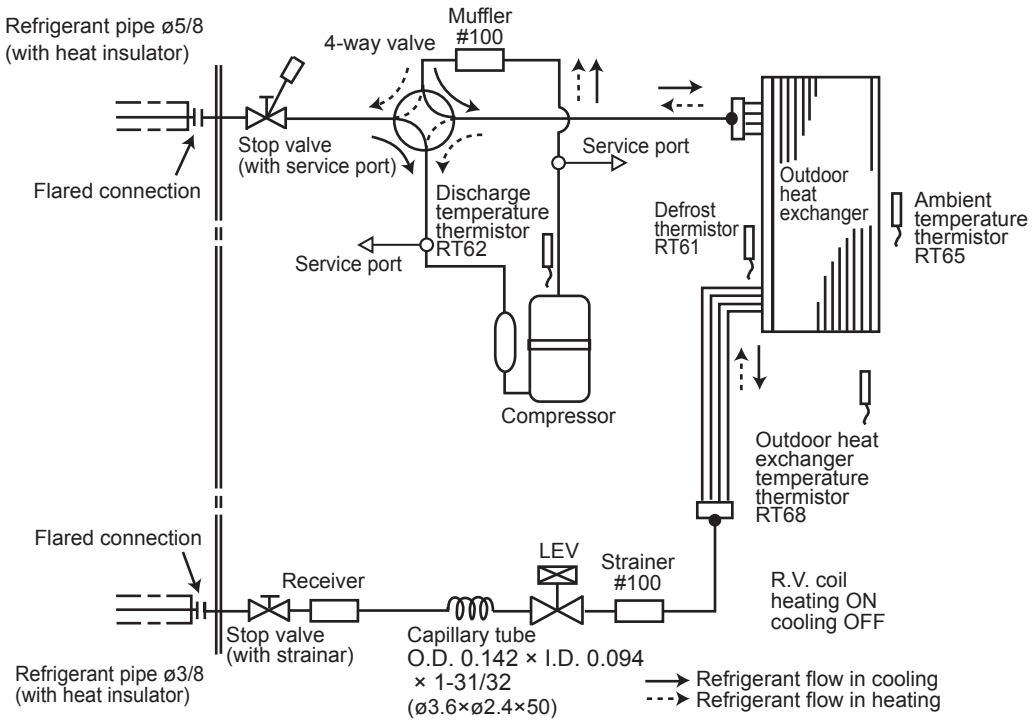
SUZ-KA18NA2

Unit: inch (mm)



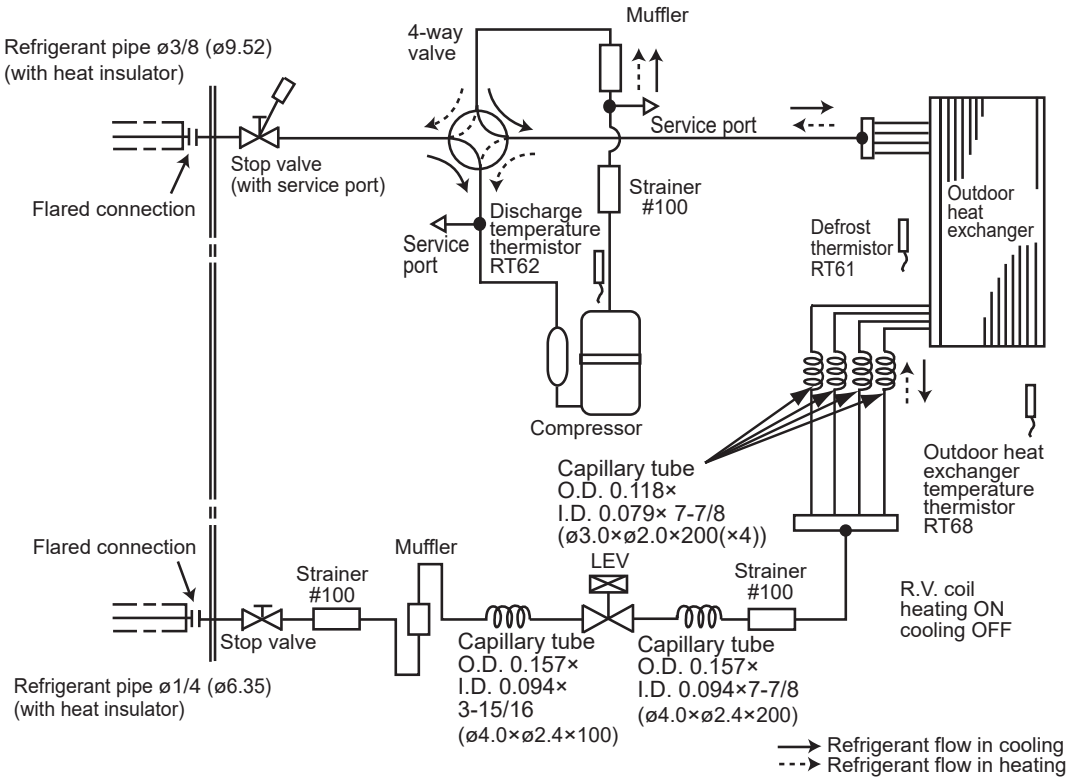
SUZ-KA24NA2
SUZ-KA30NA2
SUZ-KA36NA2

Unit: inch (mm)



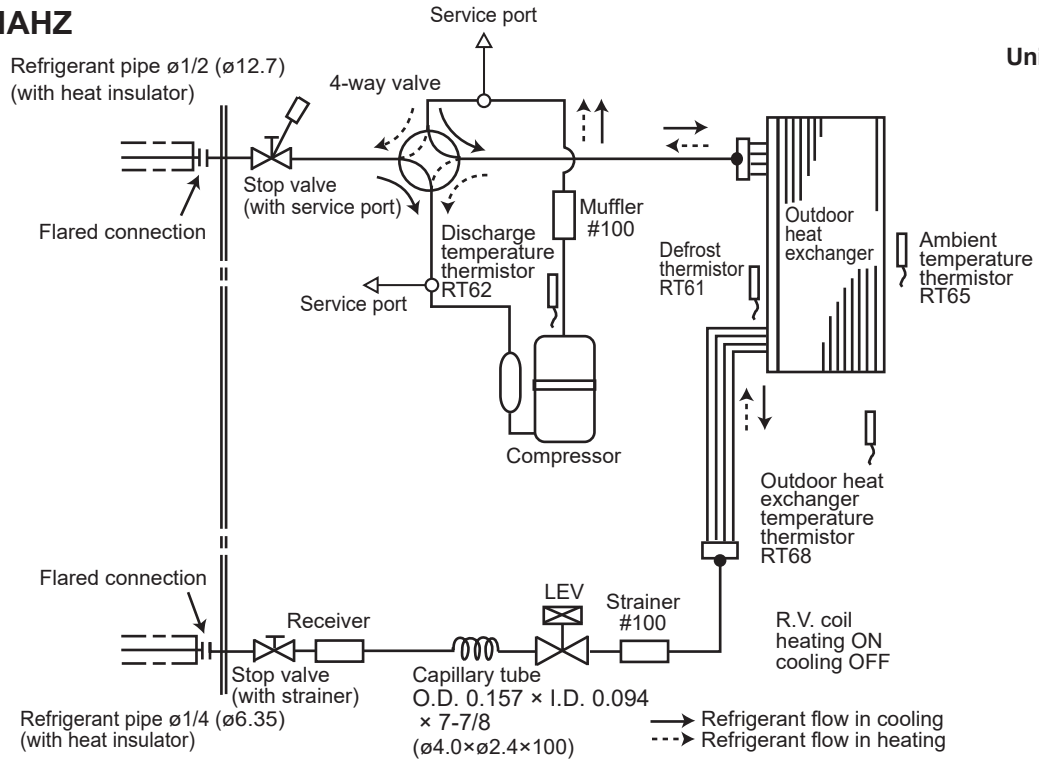
SUZ-KA09NAHZ
SUZ-KA12NAHZ

Unit: inch (mm)



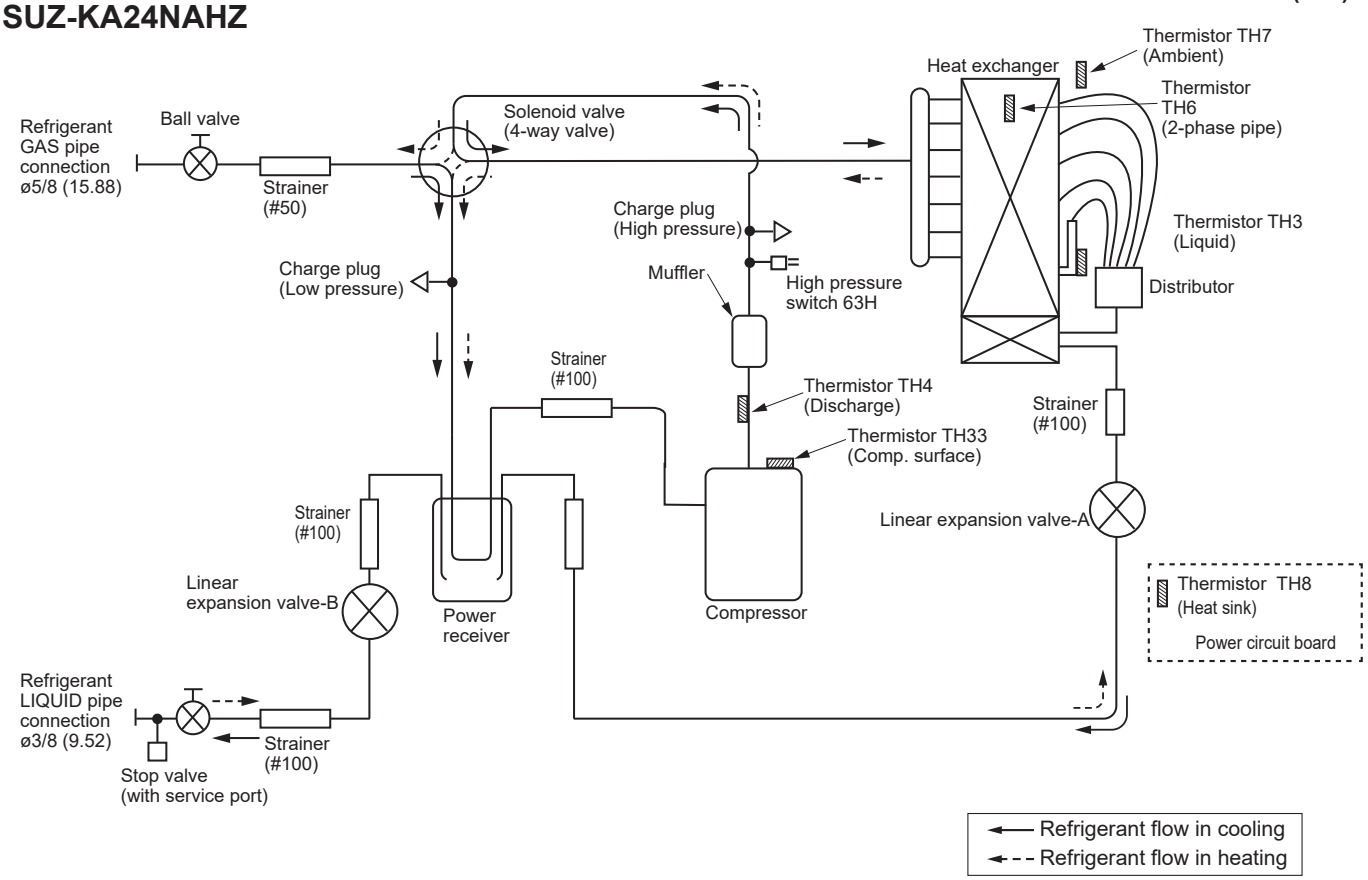
SUZ-KA15NAHZ
SUZ-KA18NAHZ

Unit: inch (mm)



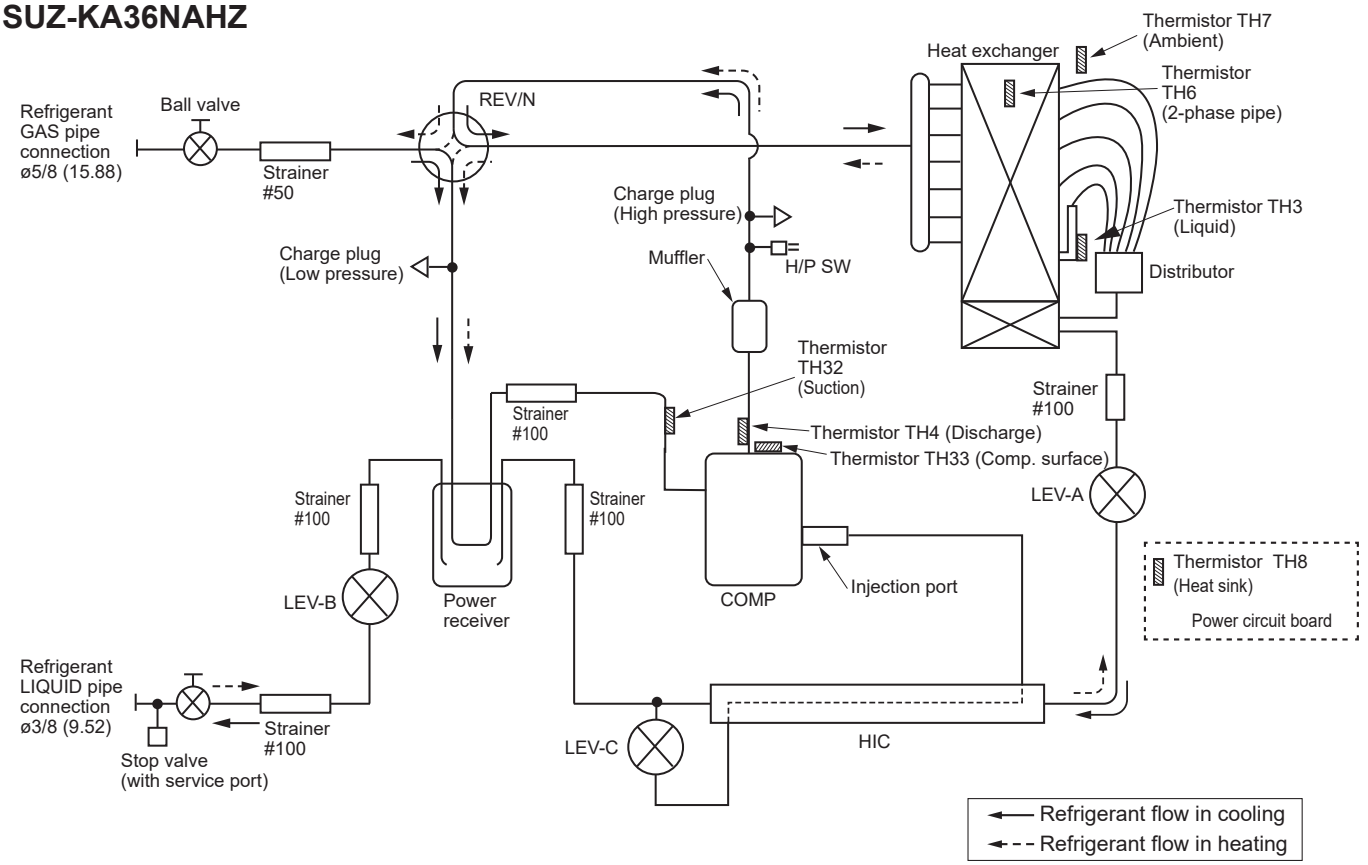
Unit: inch (mm)

SUZ-KA24NAHZ



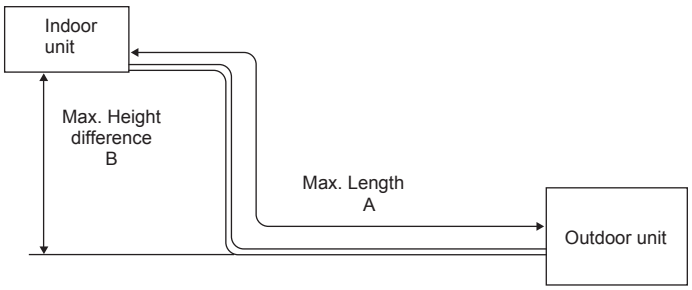
Unit: inch (mm)

SUZ-KA30NAHZ
SUZ-KA36NAHZ



MAX. REFRIGERANT PIPING LENGTH and MAX. HEIGHT DIFFERENCE

Model	Refrigerant piping: ft		Piping size O.D: in	
	Max. Length A	Max. Height difference B	Gas	Liquid
SUZ-KA09NA2 SUZ-KA12NA2 SUZ-KA09NAHZ SUZ-KA12NAHZ	65	40	3/8	1/4
SUZ-KA15NA2 SUZ-KA15NAHZ	65	40	1/2	1/4
SUZ-KA18NA2 SUZ-KA18NAHZ	100	50	1/2	1/4
SUZ-KA24NA2 SUZ-KA30NA2 SUZ-KA36NA2	100	100	5/8	3/8
SUZ-KA24NAHZ SUZ-KA30NAHZ SUZ-KA36NAHZ	100	100	5/8	3/8



ADDITIONAL REFRIGERANT CHARGE (R410A: oz)

Refrigerant piping exceeding 25 ft requires additional refrigerant charge according to the calculation.

Model	Outdoor unit precharged	Refrigerant piping length (one way): ft					
		25	30	40	50	60	65
SUZ-KA09NA2	2 lb 5 oz	0	1.08	2.16	3.24	4.32	5.4
SUZ-KA12NA2 SUZ-KA15NA2	2 lb 9 oz						

Calculation: X oz = 1.08/5 oz / ft × (Refrigerant piping length (ft) - 25)

Refrigerant piping exceeding 25 ft requires additional refrigerant charge according to the calculation.

Model	Outdoor unit precharged	Refrigerant piping length (one way): ft								
		25	30	40	50	60	70	80	90	100
SUZ-KA18NA2	3 lb 9 oz	0	1.08	3.24	5.40	7.56	9.72	11.88	14.04	16.20

Calculation: X oz = 1.08/5 oz / ft × (Refrigerant piping length (ft) - 25)

Refrigerant piping exceeding 25 ft requires additional refrigerant charge according to the calculation.

Model	Outdoor unit precharged	Refrigerant piping length (one way): ft								
		25	30	40	50	60	70	80	90	100
SUZ-KA24NA2 SUZ-KA30NA2 SUZ-KA36NA2	4 lb 14 oz	0	2.69	8.07	13.45	18.83	24.21	29.59	34.97	40.35

Calculation: X oz = 2.69/5 oz/ft × (Refrigerant piping length (ft) - 25)

Refrigerant piping exceeding 25 ft requires additional refrigerant charge according to the calculation.

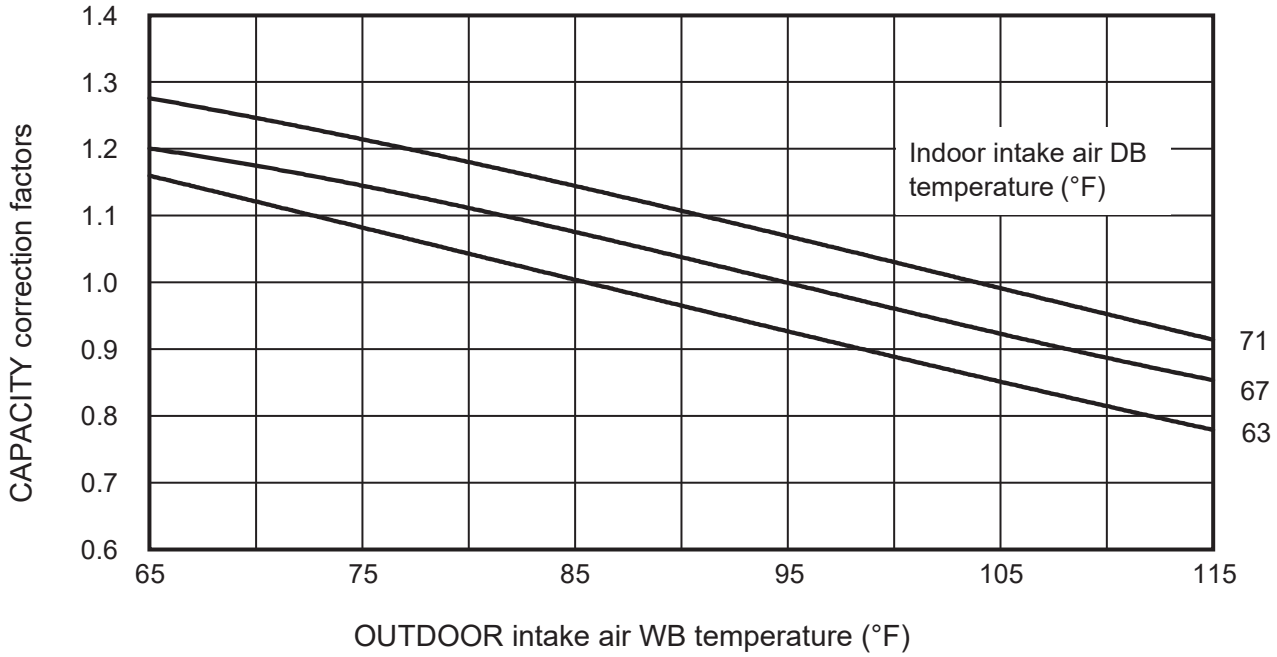
Model	Outdoor unit precharged	Refrigerant piping length (one way): ft								
		25	30	40	50	60	70	80	90	100
SUZ-KA09NAHZ SUZ-KA12NAHZ	3 lb 9 oz	No additional refrigerant charge up to the maximum refrigerant piping length.								
SUZ-KA15NAHZ SUZ-KA18NAHZ	3 lb 12 oz									
SUZ-KA24NAHZ	7 lbs 11 oz	No additional refrigerant charge up to the maximum refrigerant piping length.						7.0	14.0	21.0
SUZ-KA30NAHZ SUZ-KA36NAHZ	11 lbs 7oz	No additional refrigerant charge up to the maximum refrigerant piping length.								

Calculation: X oz = 3.5/5 oz/ft × (Refrigerant piping length (ft) - 70)

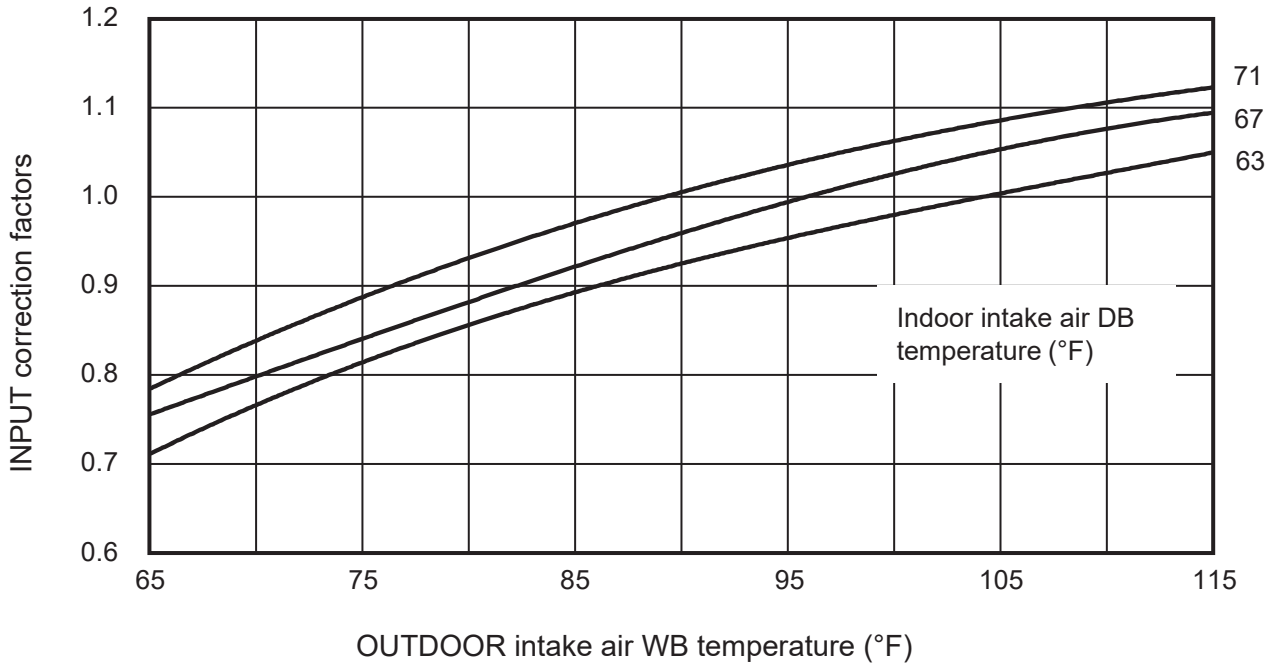
A.8.4 PERFORMANCE CURVES

For the combination of outdoor unit
SUZ-KA09NA2 SUZ-KA12NA2 SUZ-KA15NA2 SUZ-KA18NA2

Cooling capacity

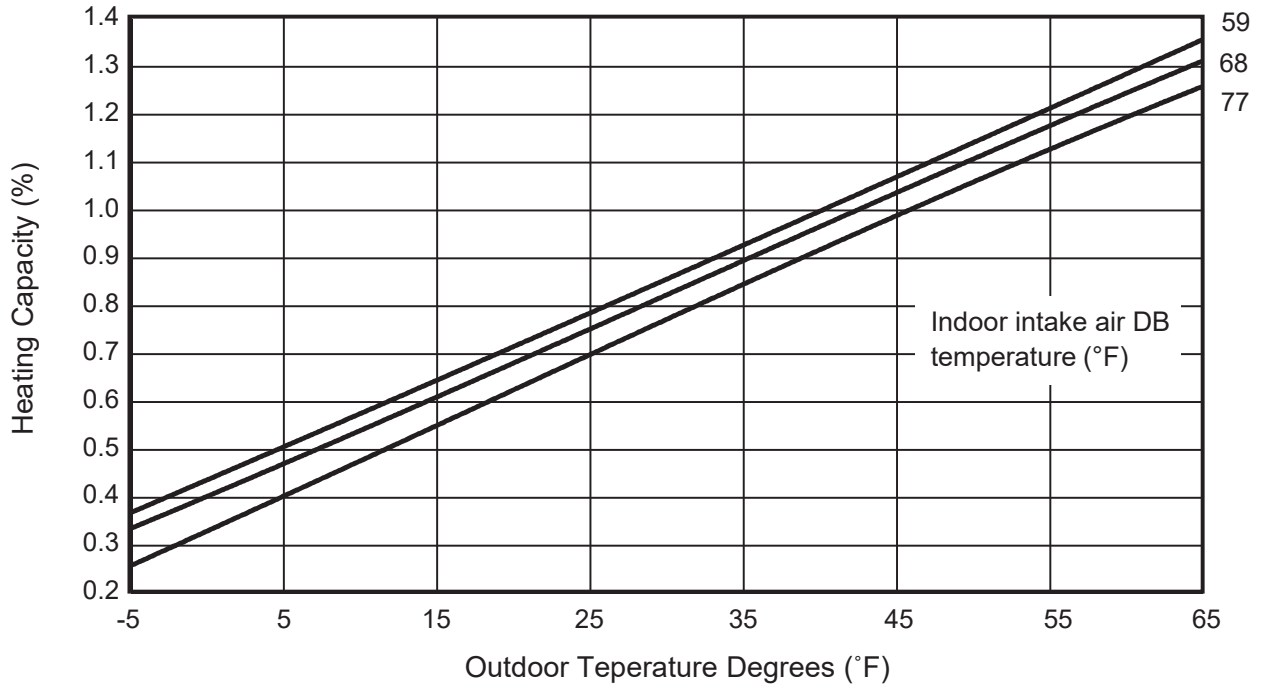


Total input (Cooling)

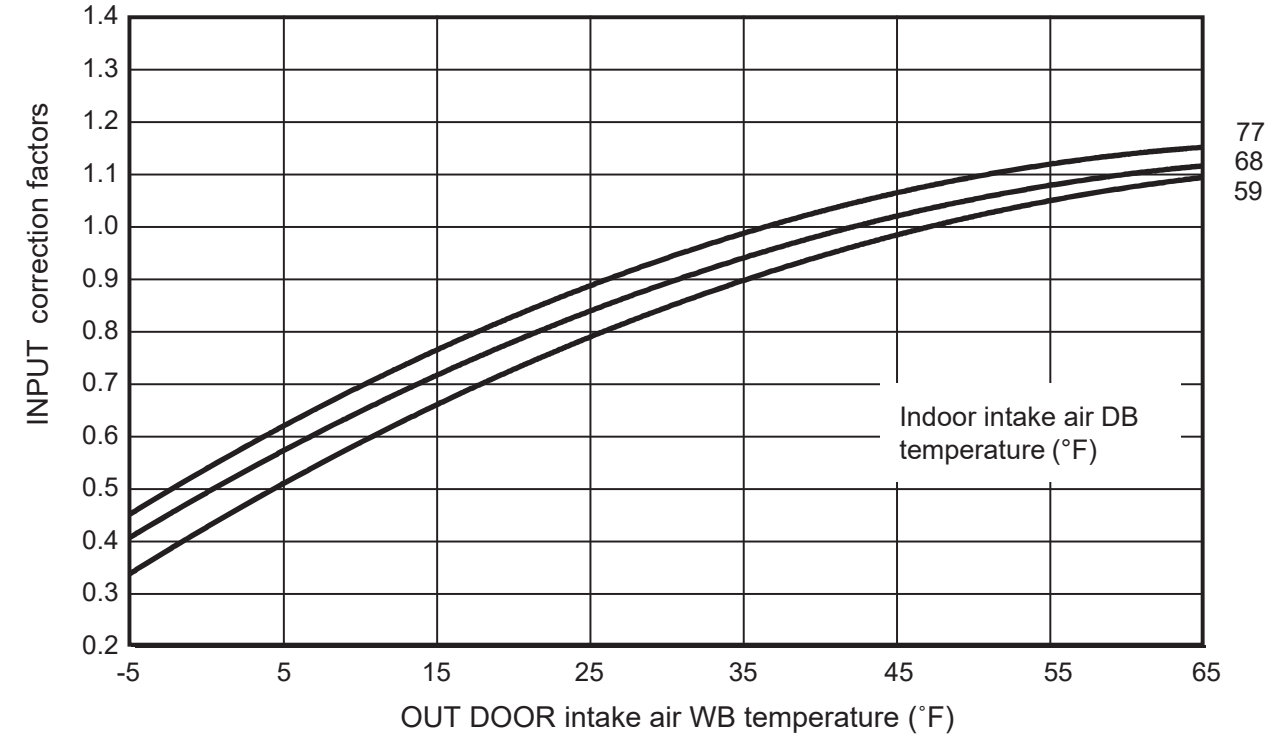


SUZ-KA09NA2 SUZ-KA12NA2 SUZ-KA15NA2 SUZ-KA18NA2

Heating capacity

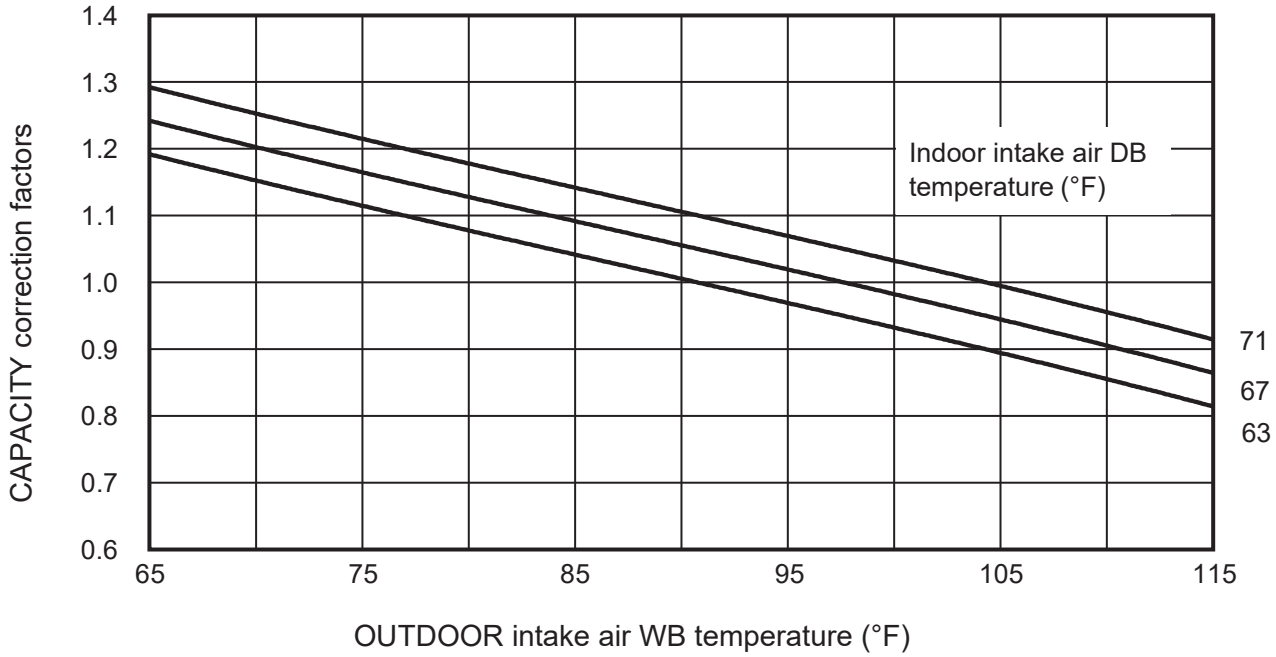


Total input (Heating)

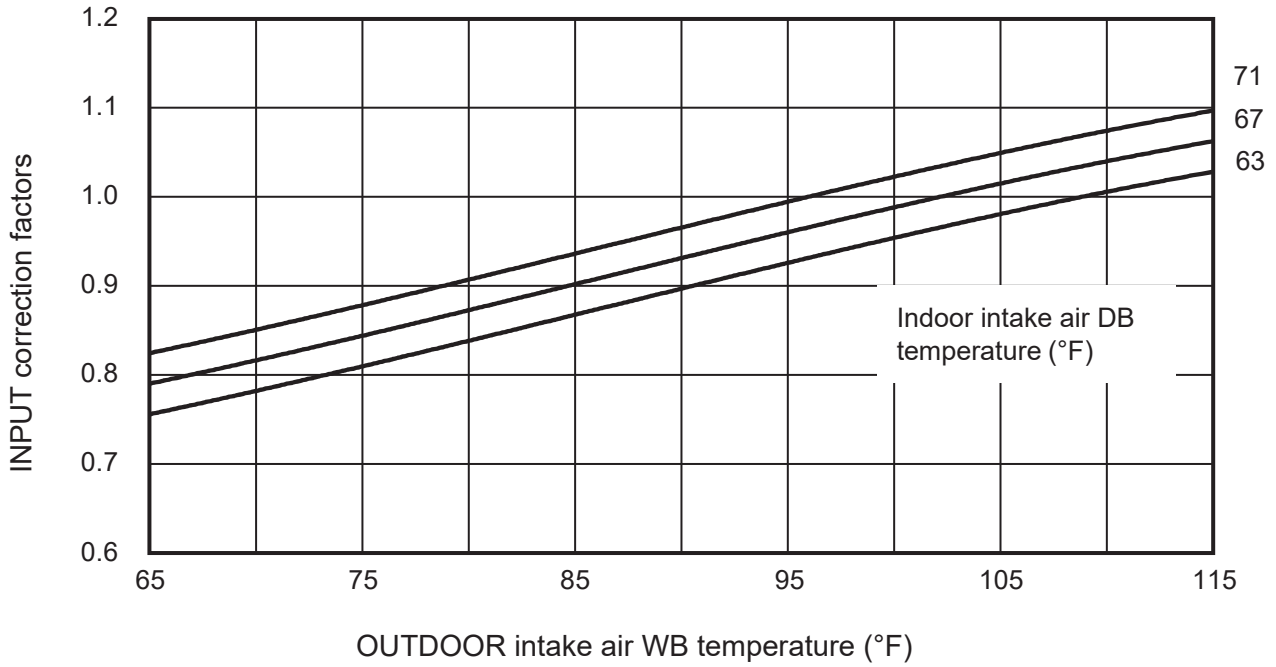


SUZ-KA24NA2 SUZ-KA30NA2 SUZ-KA36NA2

Cooling capacity

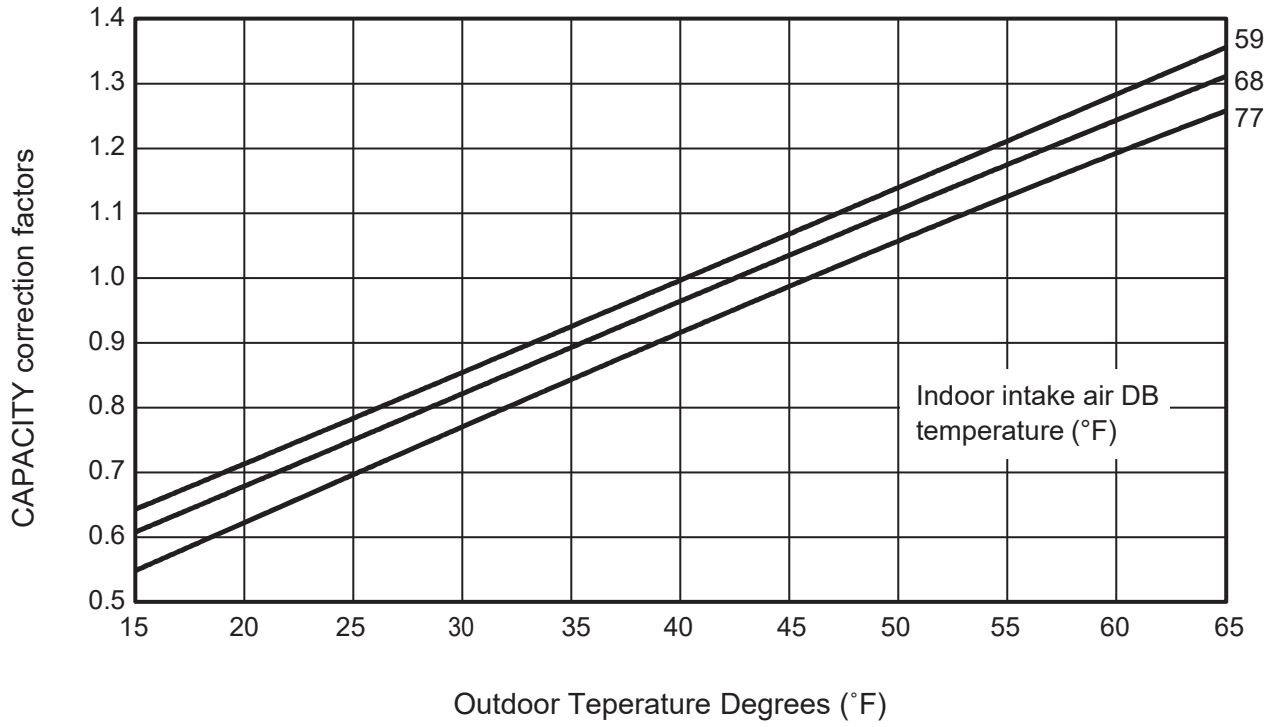


Total input (Cooling)

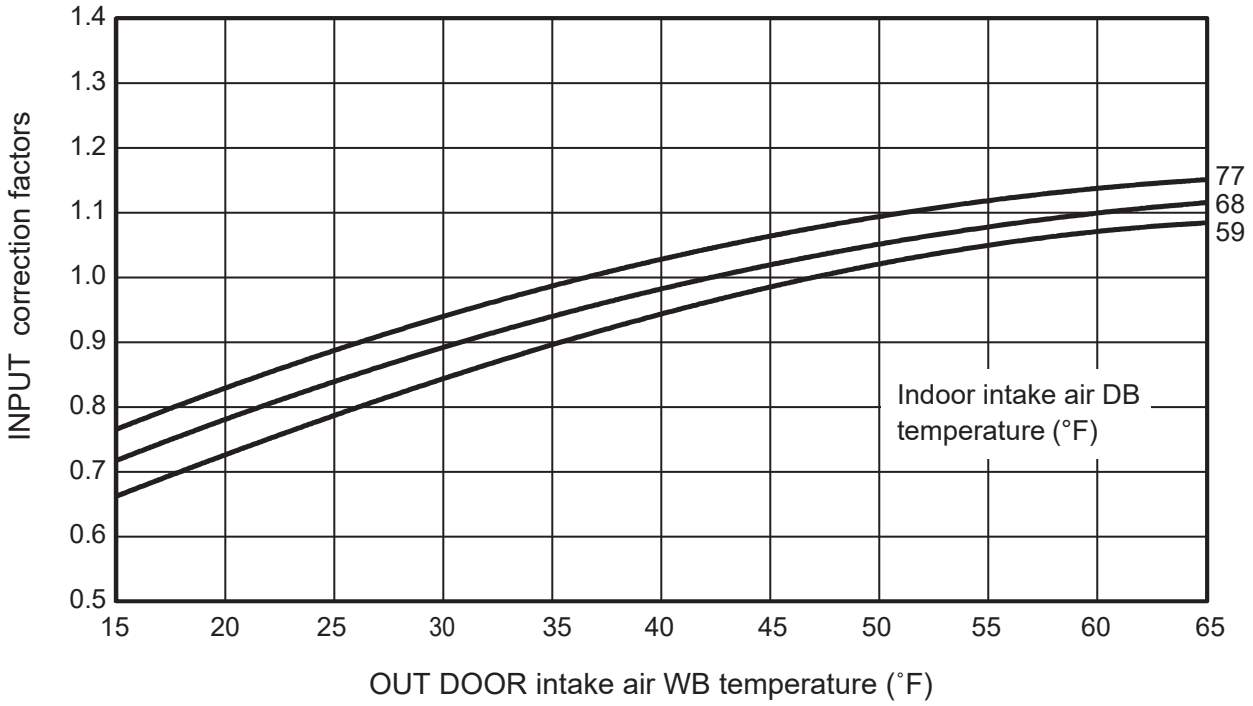


SUZ-KA24NA2 SUZ-KA30NA2 SUZ-KA36NA2

Heating capacity

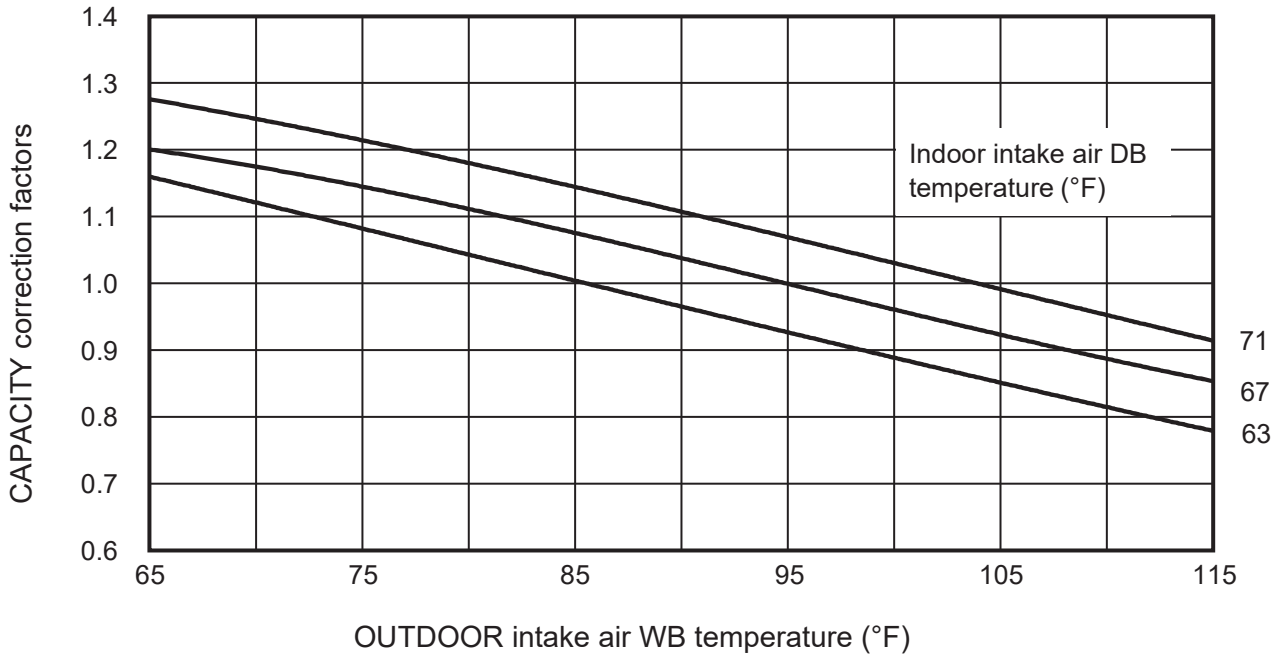


Total input (Heating)

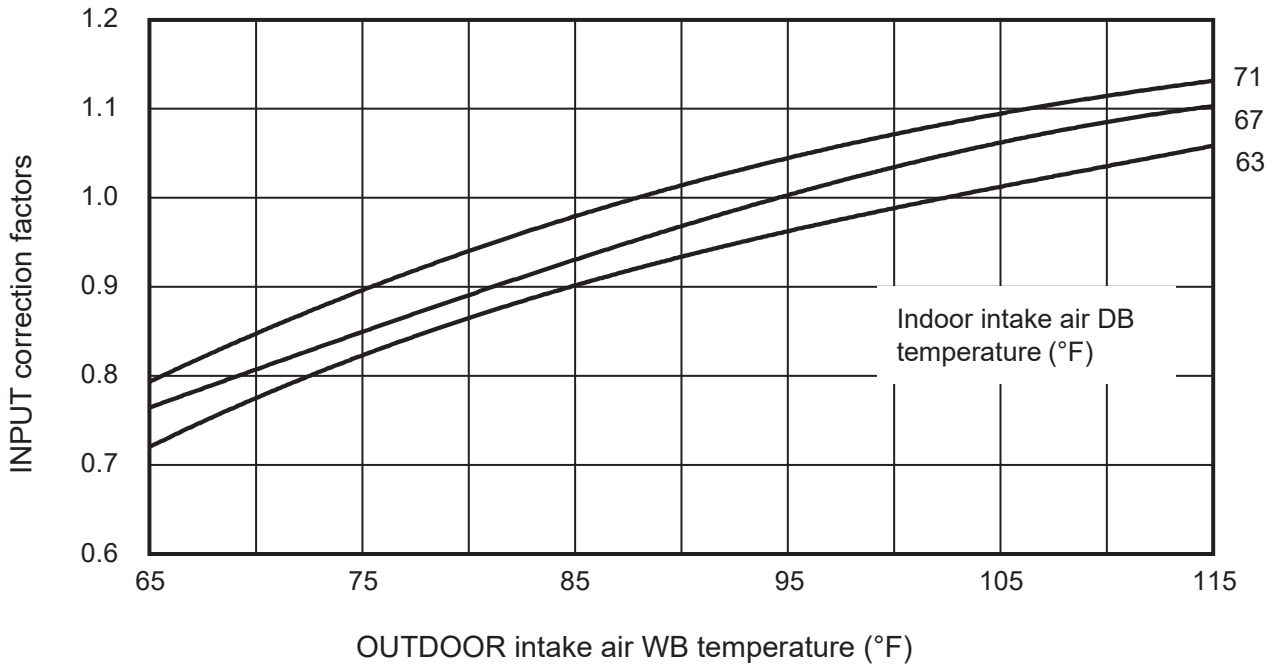


SUZ-KA09NAHZ SUZ-KA12NAHZ SUZ-KA15NAHZ SUZ-KA18NAHZ

Cooling capacity

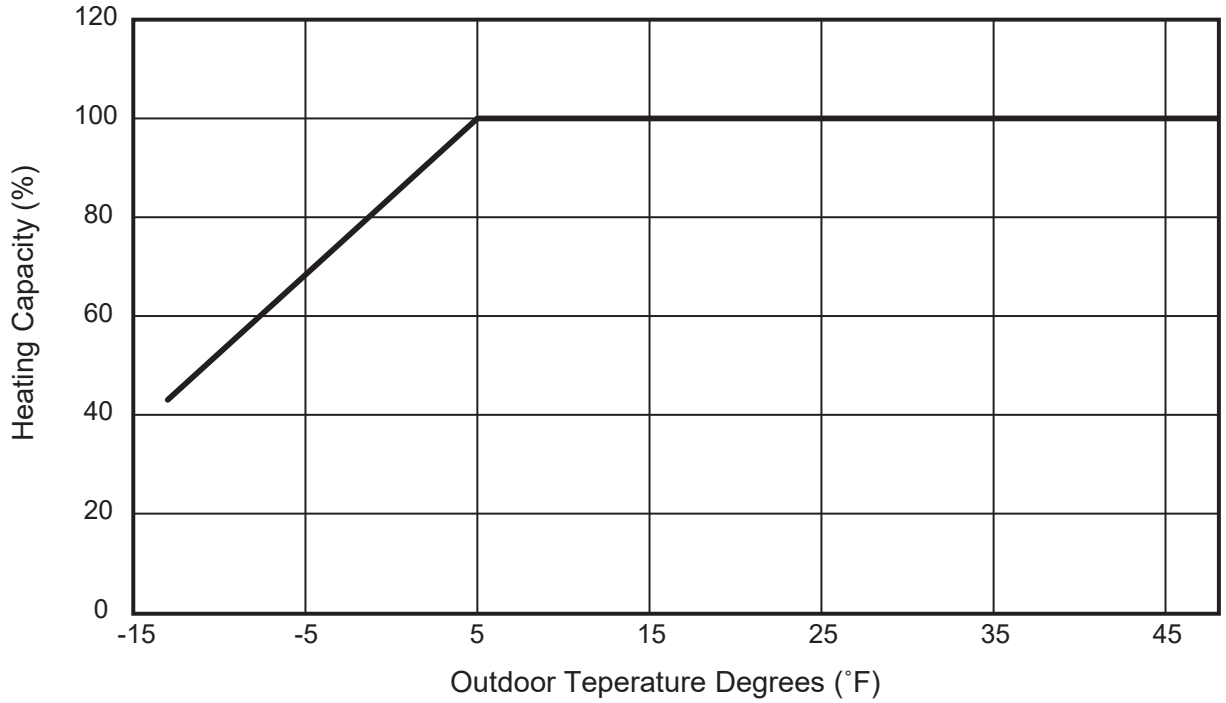


Total input (Cooling)

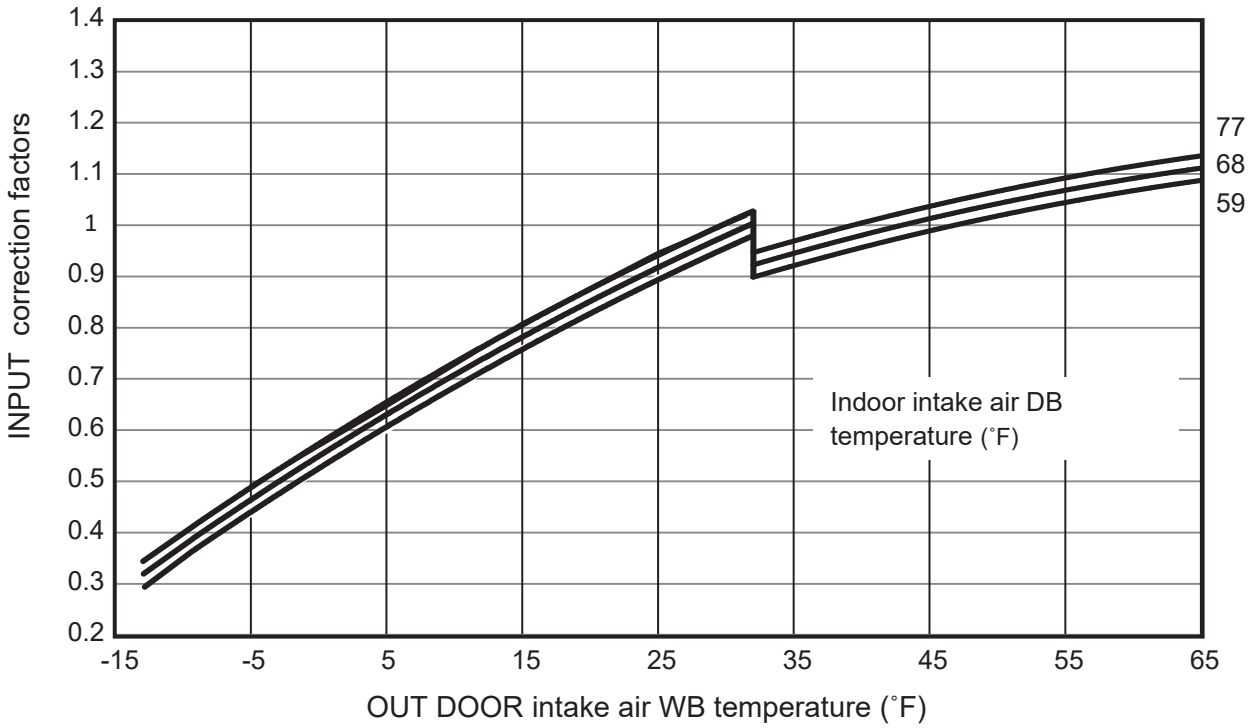


SUZ-KA09NAHZ SUZ-KA12NAHZ SUZ-KA15NAHZ SUZ-KA18NAHZ

MAX. heating capacity

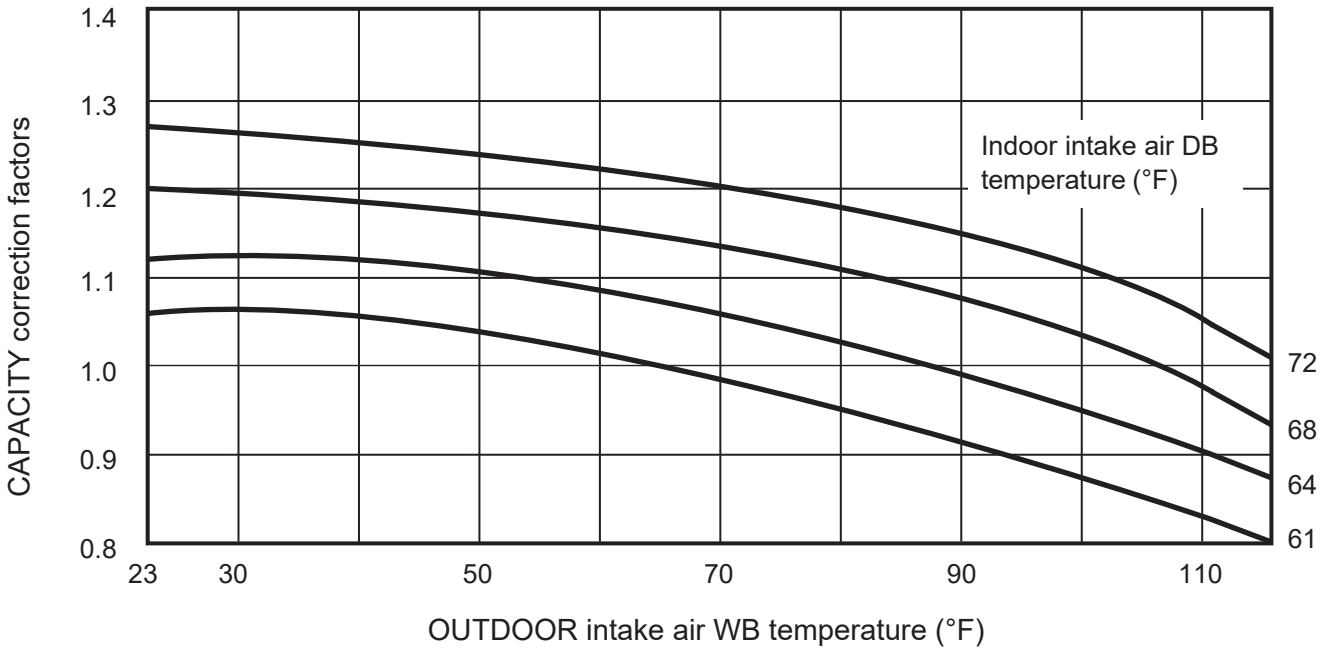


Total input (Heating)

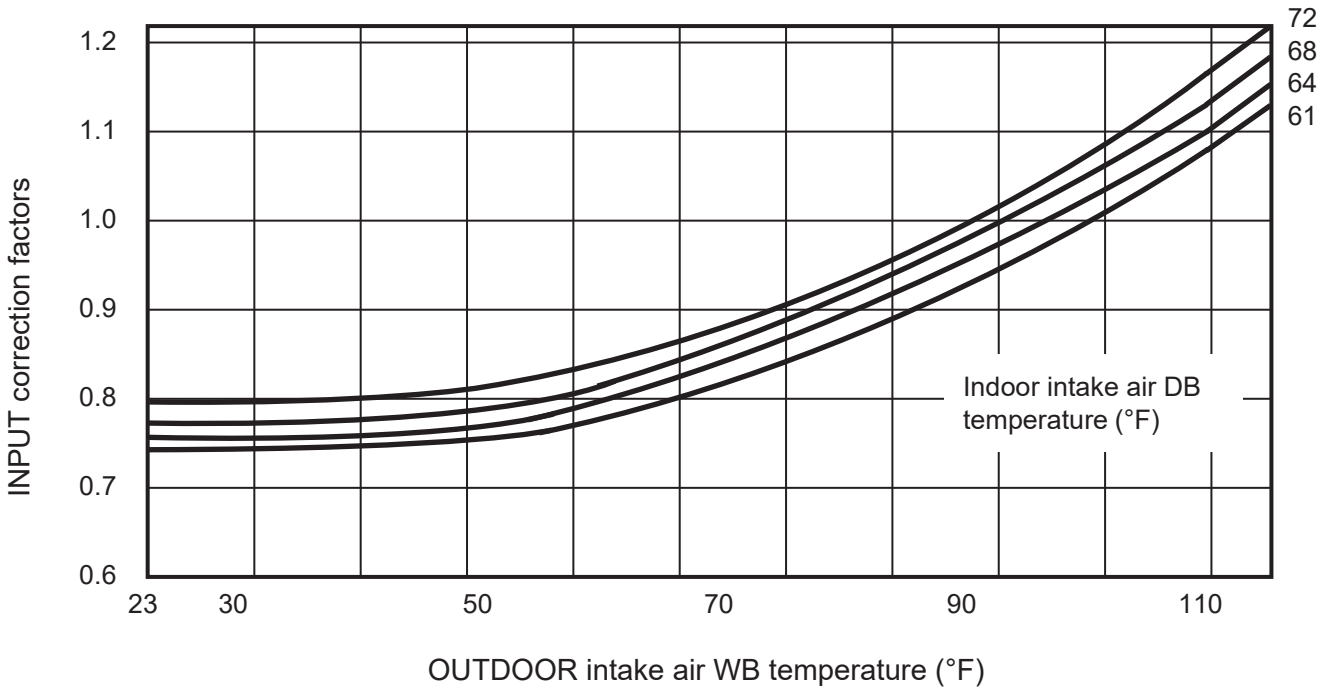


SUZ-KA24NAHZ SUZ-KA30NAHZ SUZ-KA36NAHZ

Cooling capacity

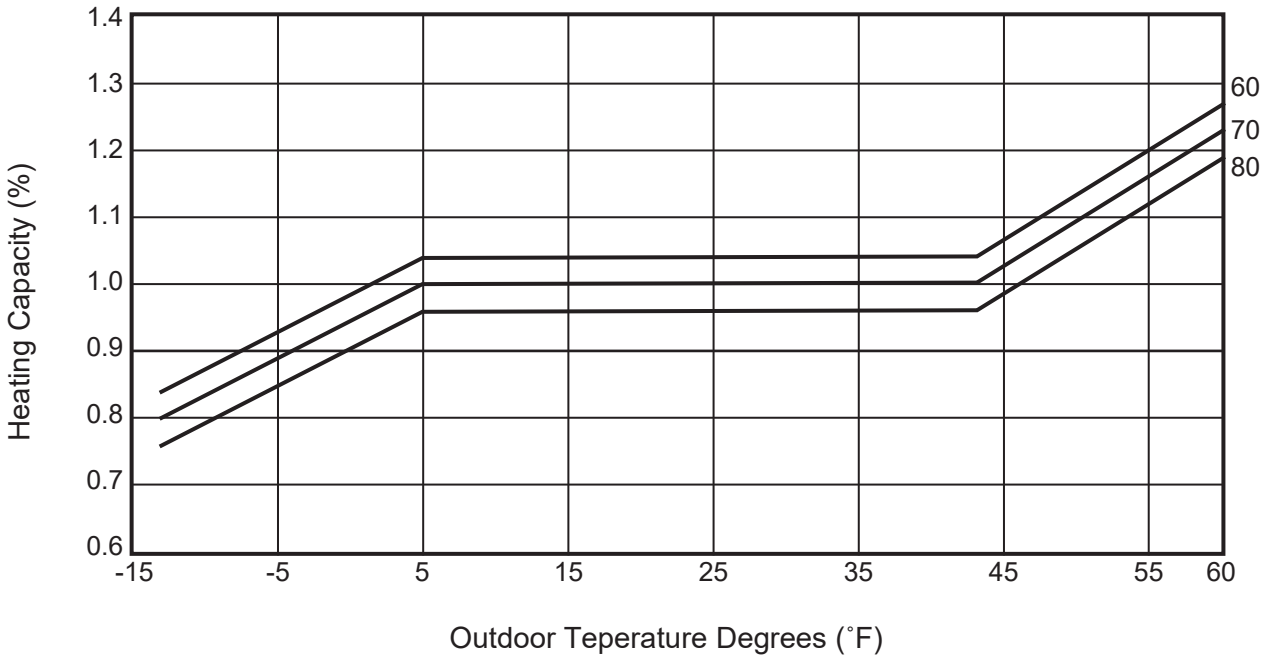


Total input (Cooling)

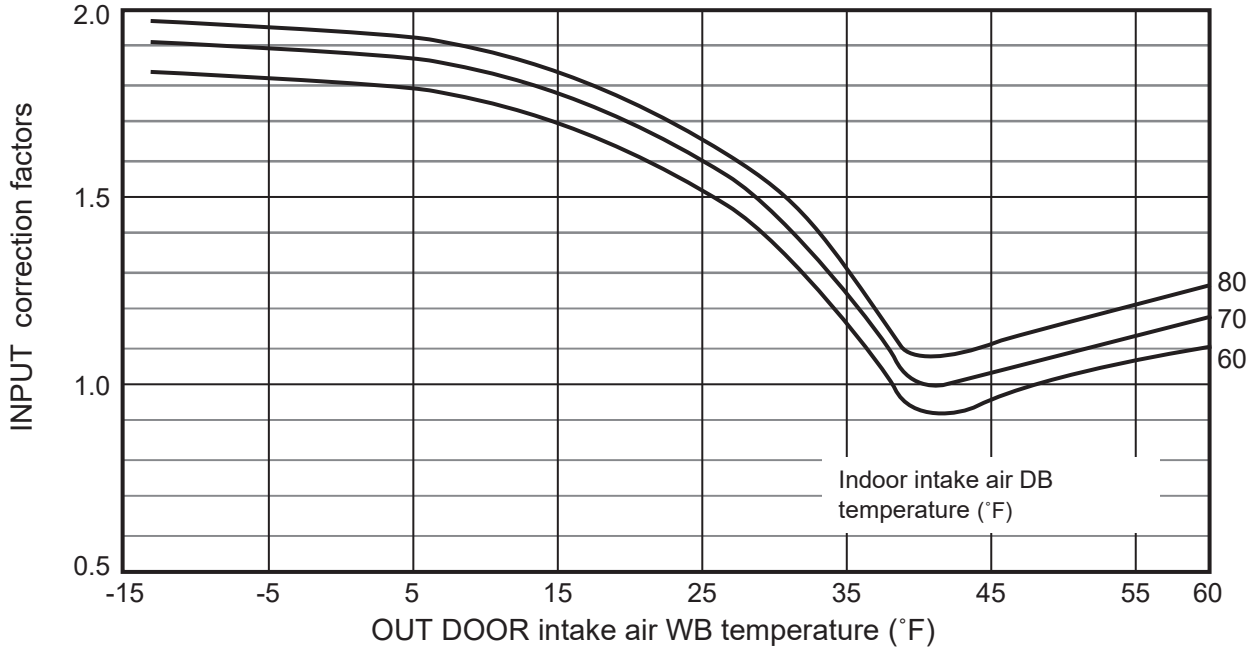


SUZ-KA24NAHZ SUZ-KA30NAHZ SUZ-KA36NAHZ

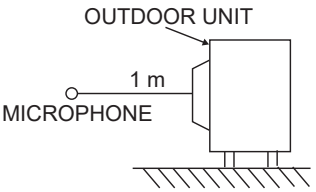
Heating capacity



Total input (Heating)

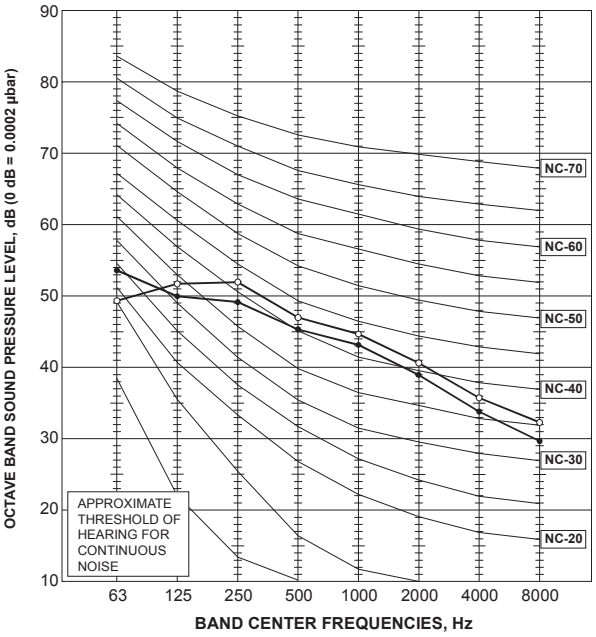


A.8.5 NOISE CRITERIA CURVES



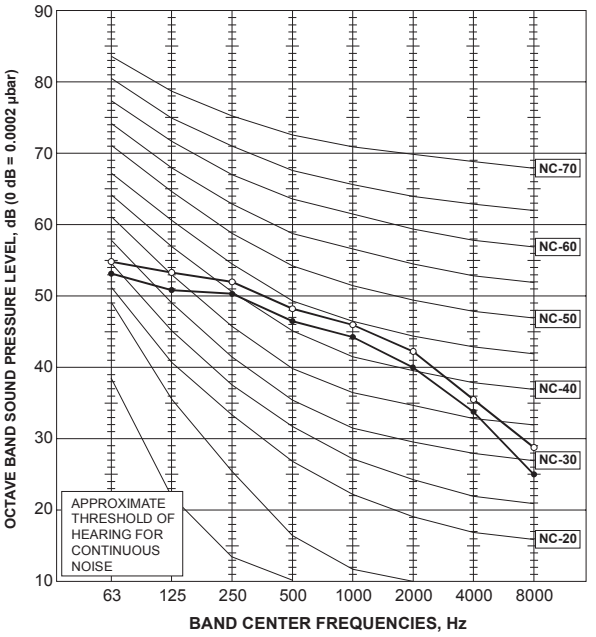
SUZ-KA09NA2

NOTCH	SPL(dB(A))	LINE
COOLING	48	●—●
HEATING	50	○—○



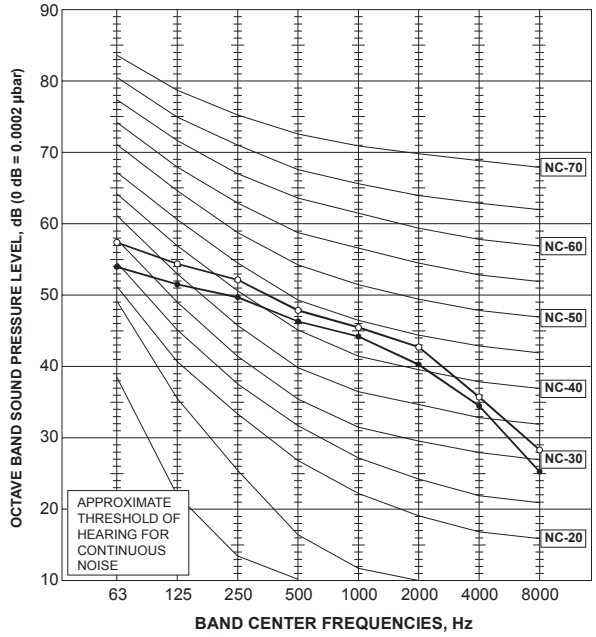
SUZ-KA12NA2

NOTCH	SPL(dB(A))	LINE
COOLING	49	●—●
HEATING	51	○—○



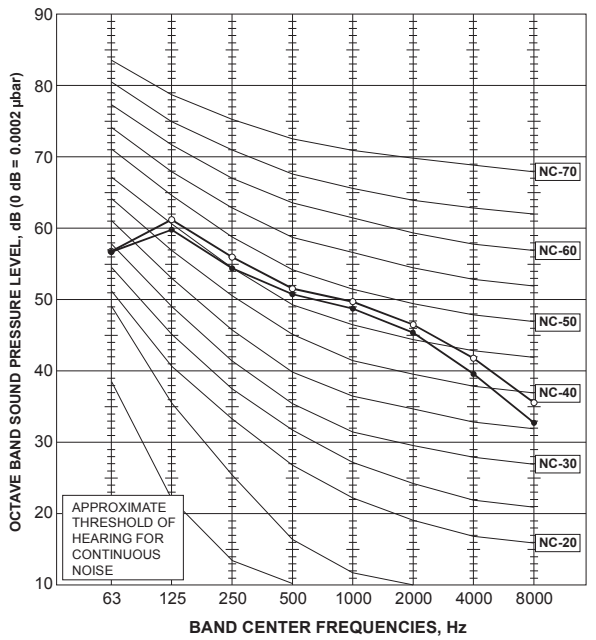
SUZ-KA15NA2

NOTCH	SPL(dB(A))	LINE
COOLING	49	●—●
HEATING	51	○—○



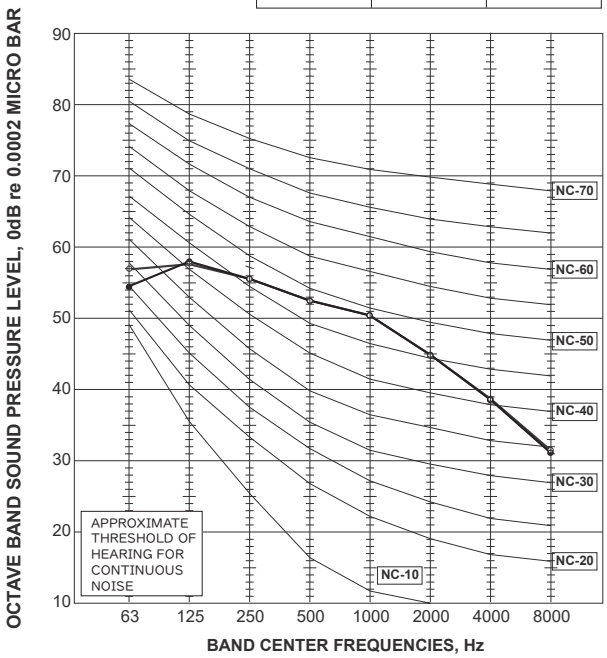
SUZ-KA18NA2

NOTCH	SPL(dB(A))	LINE
COOLING	54	●—●
HEATING	55	○—○



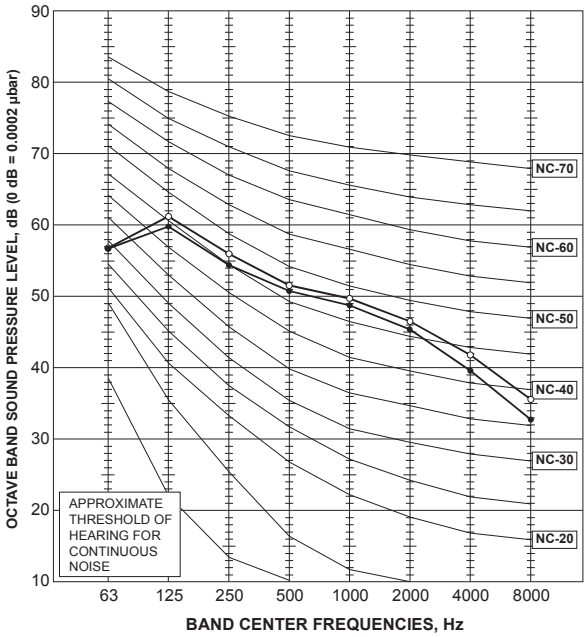
SUZ-KA24/30/36NA2

FUNCTION	SPL(dB(A))	LINE
COOLING	55	●—●
HEATING	55	○—○



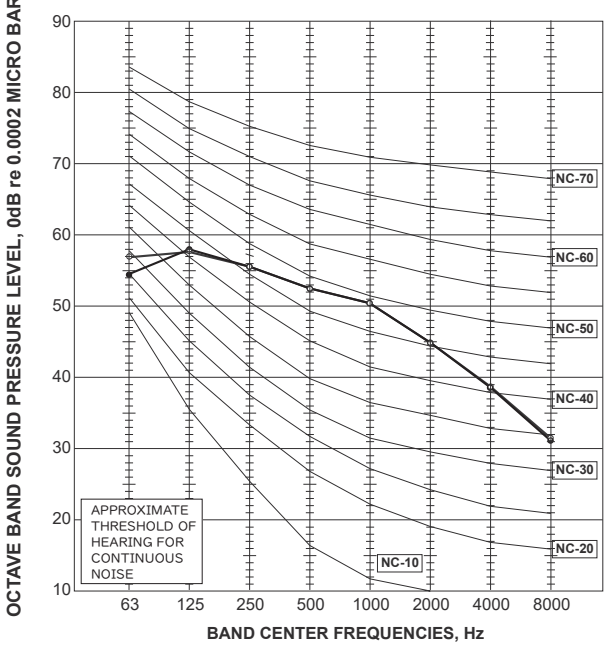
SUZ-KA09/12NAHZ

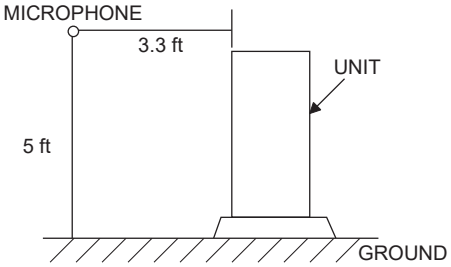
NOTCH	SPL(dB(A))	LINE
COOLING	54	●—●
HEATING	55	○—○



SUZ-KA15/18NAHZ

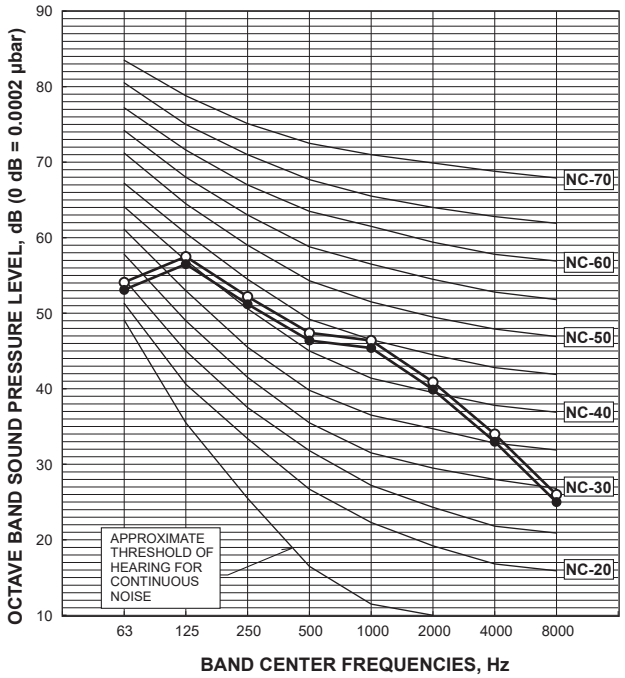
FUNCTION	SPL(dB(A))	LINE
COOLING	55	●—●
HEATING	55	○—○





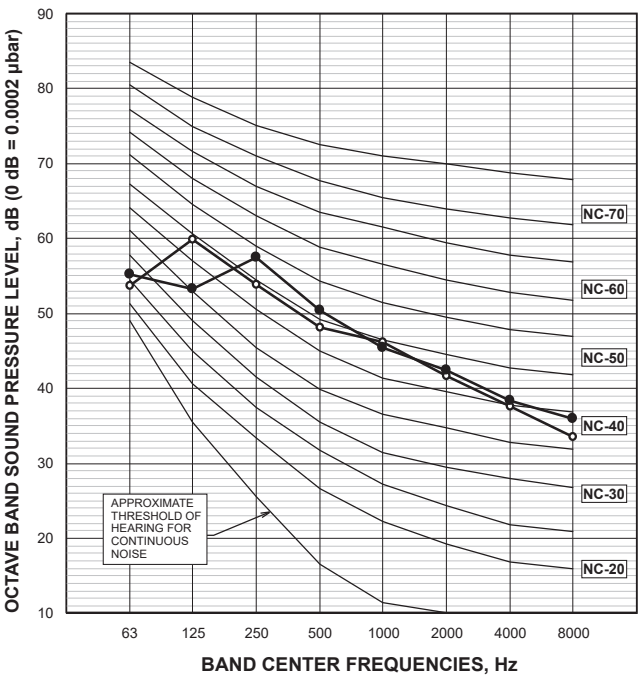
SUZ-KA24NAHZ

MODE	SPL(dB)	LINE
COOLING	52	○—○
HEATING	53	●—●



SUZ-KA30NAHZ
SUZ-KA36NAHZ

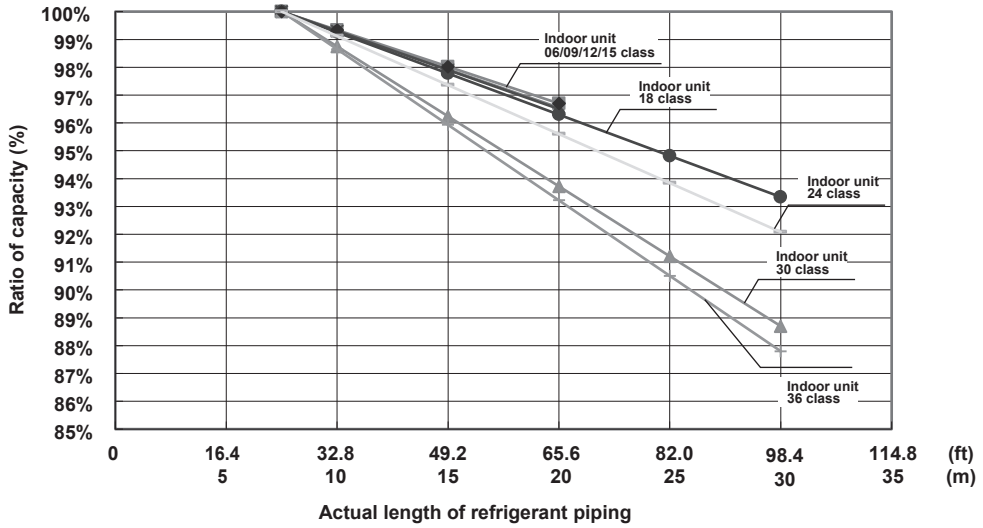
MODE	SPL(dB)	LINE
COOLING	52	○—○
HEATING	53	●—●



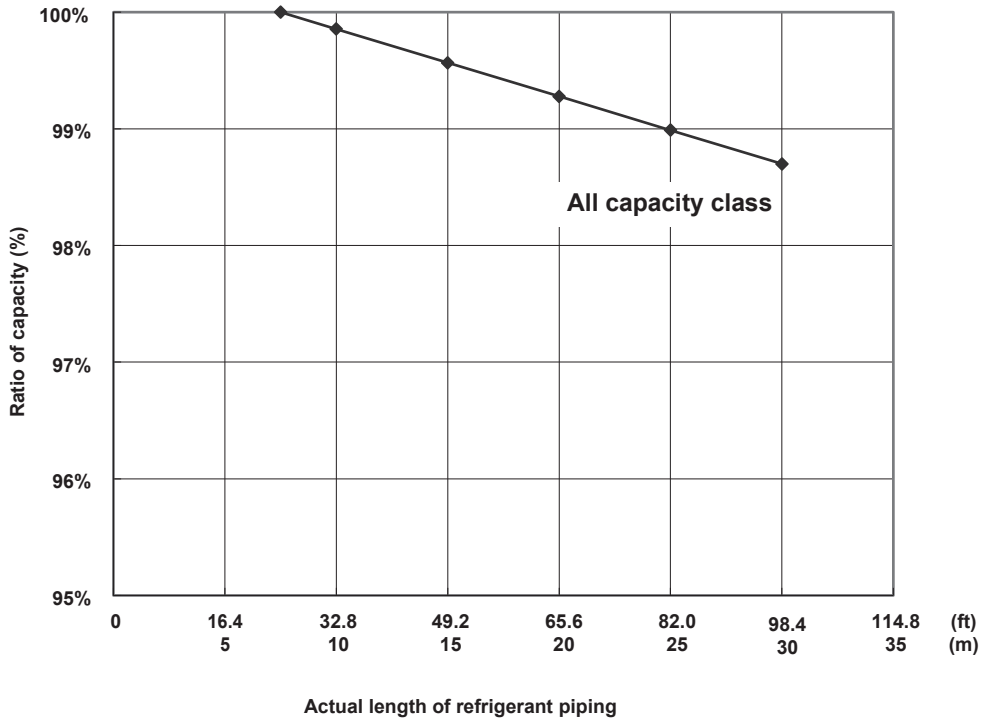
A.8.6 CAPACITY CORRECTION RATIO CURVE PIPING LENGTH

SUZ-KA09NA2
SUZ-KA12NA2
SUZ-KA15NA2

Correction ratio of capacity according to the length of piping (cooling)



Correction ratio of capacity according to the length of piping (heating)

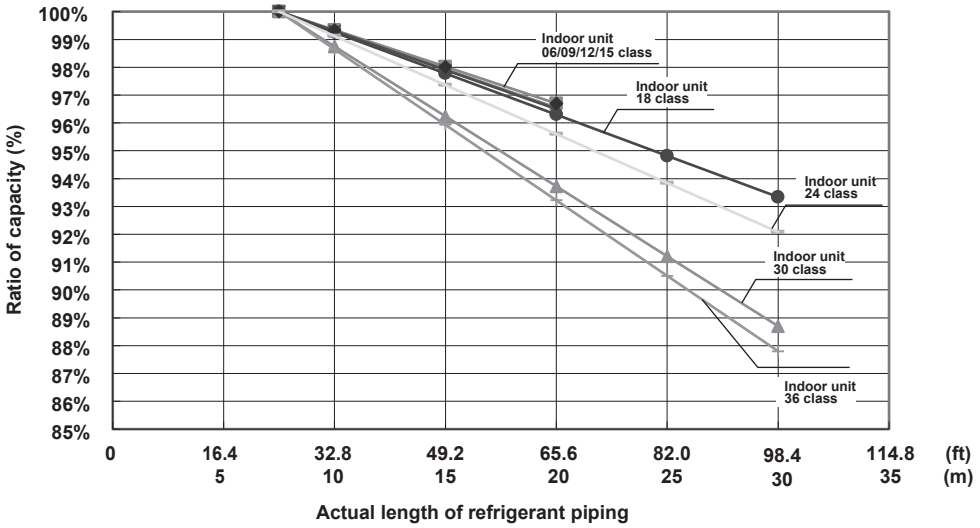


The length intended for the capacity calculation, which counts the length of refrigerant piping and the number of bends, is called actual length.

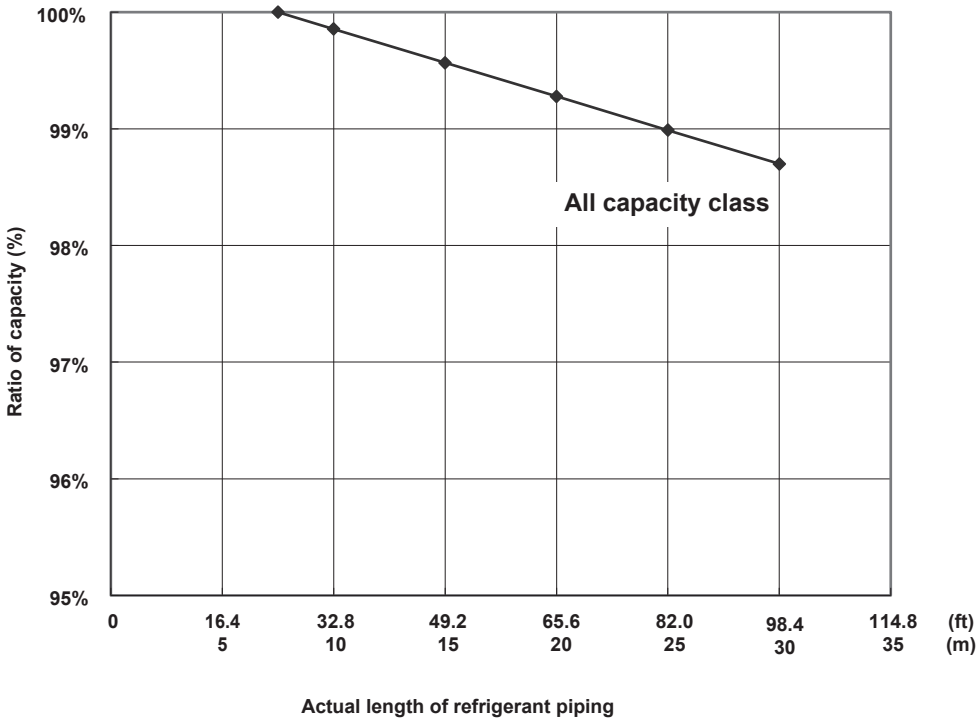
Length of refrigerant piping (ft) + (Number of bends × 0.984 ft) = Actual length of refrigerant piping (ft)
[Length of refrigerant piping (m) + (Number of bends × 0.3 m) = Actual length of refrigerant piping (m)]

SUZ-KA18NA2
SUZ-KA24NA2
SUZ-KA30NA2
SUZ-KA36NA2

Correction ratio of capacity according to the length of piping (cooling)



Correction ratio of capacity according to the length of piping (heating)

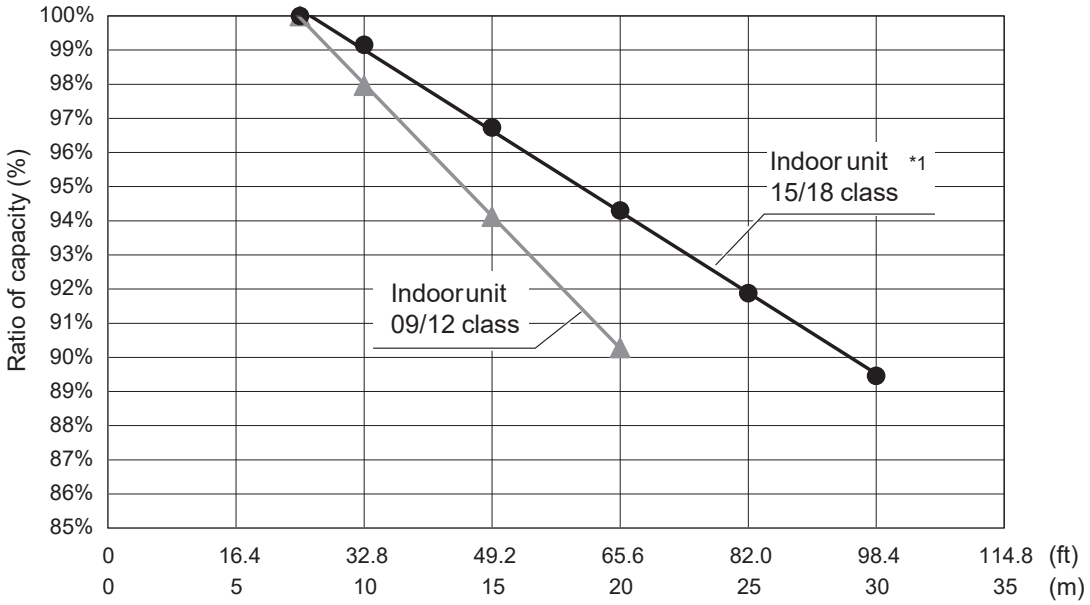


The length intended for the capacity calculation, which counts the length of refrigerant piping and the number of bends, is called actual length.

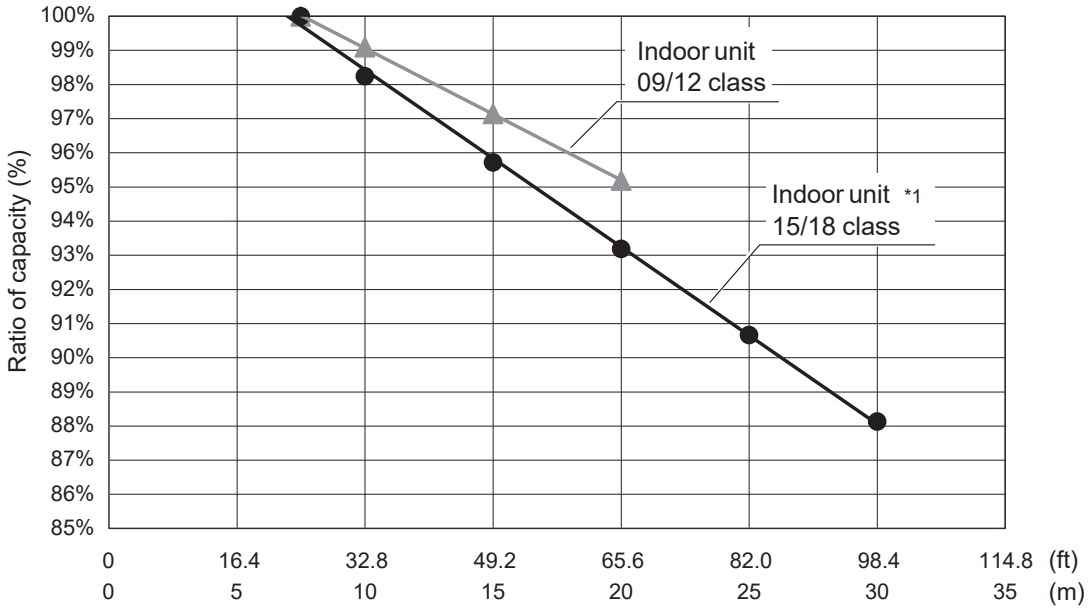
Length of refrigerant piping (ft) + (Number of bends × 0.984 ft) = Actual length of refrigerant piping (ft)
[Length of refrigerant piping (m) + (Number of bends × 0.3 m) = Actual length of refrigerant piping (m)]

SUZ-KA09NAHZ
SUZ-KA12NAHZ
SUZ-KA15NAHZ
SUZ-KA18NAHZ

Correction ratio of capacity according to the length of piping (cooling)



Correction ratio of capacity according to the length of piping (heating)

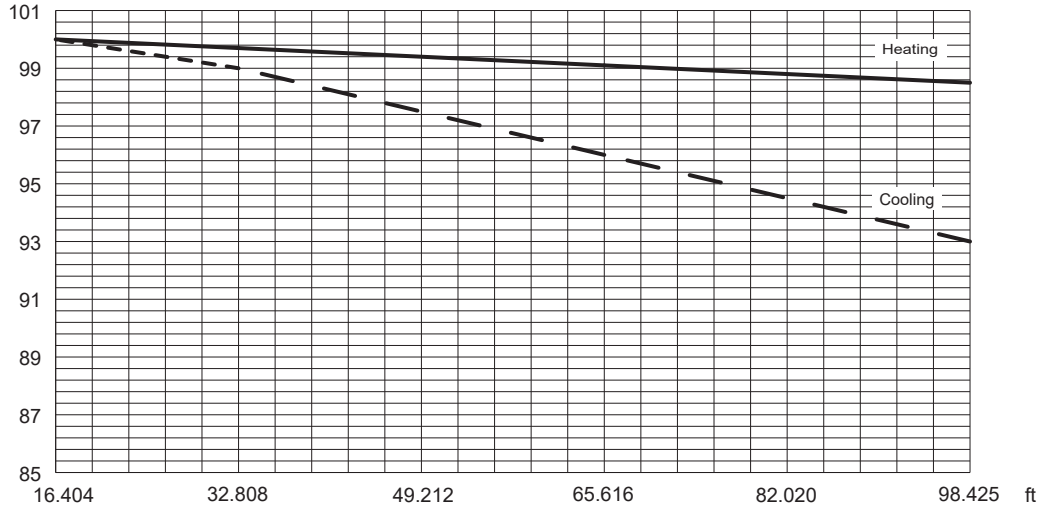


*1. Max. piping length of SUZ-KA15NAHZ is 65ft (20m)

The length intended for the capacity calculation, which counts the length of refrigerant piping and the number of bends, is called actual length.

Length of refrigerant piping (ft) + (Number of bends × 0.984 ft) = Actual length of refrigerant piping (ft)
[Length of refrigerant piping (m) + (Number of bends × 0.3 m) = Actual length of refrigerant piping (m)]

SUZ-KA24NAHZ
SUZ-KA30NAHZ
SUZ-KA36NAHZ



The length intended for the capacity calculation, which counts the length of refrigerant piping and the number of bends, is called actual length.

Length of refrigerant piping (ft) + (Number of bends × 0.984 ft) = Actual length of refrigerant piping (ft)
[Length of refrigerant piping (m) + (Number of bends × 0.3 m) = Actual length of refrigerant piping (m)]

A.8.7 EARTHQUAKE-PROOF STRENGTH ANALYSIS

Earthquake-proof strength analysis <Anchor bolt>

1.Type: SUZ Inverter Outdoor unit

2.Model name: SUZ-KA09NA2

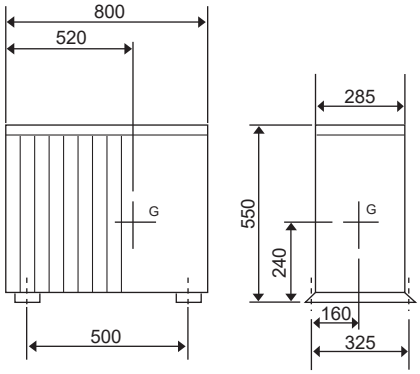
3.Specification

(1) Unit mass	W=	37	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78 $\times 10^{-6}$	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	240	mm=	0.240	m	
(4) The bolt-span from the examination angle	L=	325	mm=	0.325	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	160	mm(Lg≦L/2)=	0.160	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0			
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5			
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	362.6	N		
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	181.3	N		
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	89.3	N		
(6) The shear forces of the anchor bolt	Q=Fh/N=	90.7	N		
(7) The stress arising to the anchor bolt					
1.The tensile stress.	σ=Rb/A=	1.1	MPa＜ft=176MPa		
2.The shearing stress.	τ=Q/A=	1.2	MPa＜fs=101MPa		
3.The stress when affected by both the shearing and the tensile at the same time. However fts equals fts' when fts' less than or equal to ft, and fts equal ft when fts' is greater ft.	fts'=1.4ft-1.6τ=	244.5	MPa		
σ= 1.1 MPa	＜ fts=	101.0	MPa		
(8) The construction way of the anchor bolt					
1.The construction way of the anchor bolt.	=	Boxed J type anchor			
2.The thickness of the concrete.	=	120	mm=	0.120	m
3.The length of buried part of bolt.	=	70	mm=	0.070	m
4.The permissible withdrawal weight.	Ta=	3136	N ＞	Rb= 89	N

Since the results from the examination above, the anchor bolt has enough strength.



Earthquake-proof strength analysis <Anchor bolt>

1.Type: SUZ Inverter Outdoor unit

2.Model name: SUZ-KA12NA2

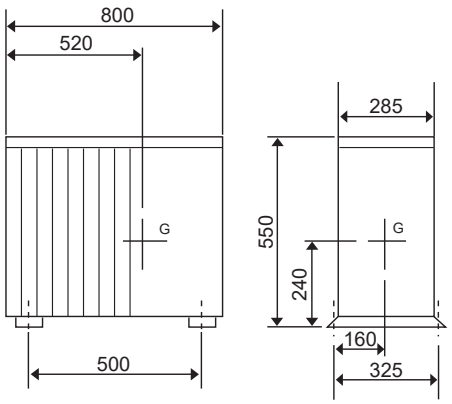
3.Specification

(1) Unit mass	W=	37	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78 $\times 10^{-6}$	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	240	mm=	0.240	m	
(4) The bolt-span from the examination angle	L=	325	mm=	0.325	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	160	mm(Lg≦L/2)=	0.160	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0				
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5				
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	362.6	N			
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	181.3	N			
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	89.3	N			
(6) The shear forces of the anchor bolt	Q=Fh/N=	90.7	N			
(7) The stress arising to the anchor bolt						
1.The tensile stress.	σ=Rb/A=	1.1	MPa＜ft=176MPa			
2.The shearing stress.	τ=Q/A=	1.2	MPa＜fs=101MPa			
3.The stress when affected by both the shearing and the tensile at the same time. However fts equals fts' when fts' less than or equal to ft, and fts equal ft when fts' is greater ft.	fts'=1.4ft-1.6 τ =	244.5	MPa			
σ= 1.1 MPa	＜ fts=	101.0	MPa			
(8) The construction way of the anchor bolt						
1.The construction way of the anchor bolt.	=	Boxed J type anchor				
2.The thickness of the concrete.	=	120	mm=	0.120	m	
3.The length of buried part of bolt.	=	70	mm=	0.070	m	
4.The permissible withdrawal weight.	Ta=	3136	N ＞	Rb=	89	N

Since the results from the examination above, the anchor bolt has enough strength.



Earthquake-proof strength analysis <Anchor bolt>

1.Type: SUZ Inverter Outdoor unit

2.Model name: SUZ-KA15NA2

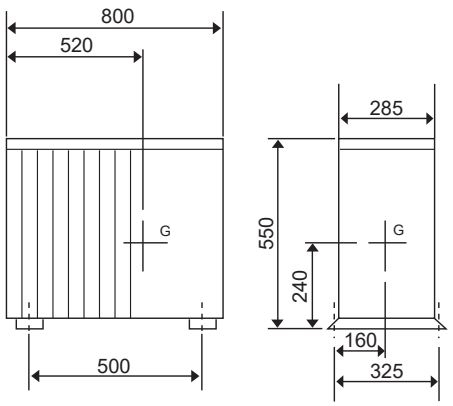
3.Specification

(1) Unit mass	W=	37	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78 $\times 10^{-6}$	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	240	mm=	0.240	m	
(4) The bolt-span from the examination angle	L=	325	mm=	0.325	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	160	mm(Lg≦L/2)=	0.160	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0				
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5				
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	362.6	N			
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	181.3	N			
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	89.3	N			
(6) The shear forces of the anchor bolt	Q=Fh/N=	90.7	N			
(7) The stress arising to the anchor bolt						
1.The tensile stress.	σ=Rb/A=	1.1	MPa＜ft=176MPa			
2.The shearing stress.	τ=Q/A=	1.2	MPa＜fs=101MPa			
3.The stress when affected by both the shearing and the tensile at the same time. However fts equals fts' when fts' less than or equal to ft, and fts equal ft when fts' is greater ft.	fts'=1.4ft-1.6τ=	244.5	MPa			
σ= 1.1 MPa	＜ fts=	101.0	MPa			
(8) The construction way of the anchor bolt						
1.The construction way of the anchor bolt.	=	Boxed J type anchor				
2.The thickness of the concrete.	=	120	mm=	0.120	m	
3.The length of buried part of bolt.	=	70	mm=	0.070	m	
4.The permissible withdrawal weight.	Ta=	3136	N ＞	Rb=	89	N

Since the results from the examination above, the anchor bolt has enough strength.



Earthquake-proof strength analysis <Anchor bolt>

1.Type: SUZ Inverter Outdoor unit

2.Model name: SUZ-KA18NA2

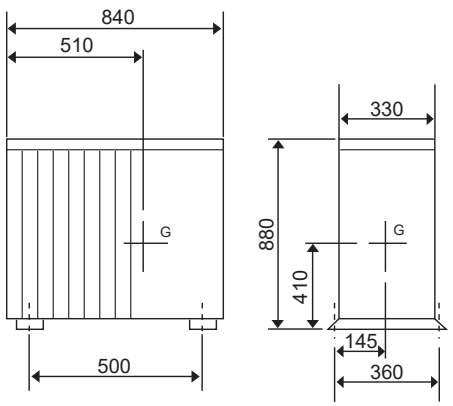
3.Specification

(1) Unit mass	W=	57.5	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78 ×10^{-6}	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	410	mm=	0.410	m	
(4) The bolt-span from the examination angle	L=	360	mm=	0.360	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	145	mm(Lg≦L/2)=	0.145	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0			
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5			
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	563.5	N		
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	281.8	N		
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	264.1	N		
(6) The shear forces of the anchor bolt	Q=Fh/N=	140.9	N		
(7) The stress arising to the anchor bolt					
1.The tensile stress.	σ=Rb/A=	3.4	MPa＜ft=176MPa		
2.The shearing stress.	τ=Q/A=	1.8	MPa＜fs=101MPa		
3.The stress when affected by both the shearing and the tensile at the same time. However fts equals fts' when fts' less than or equal to ft, and fts equal ft when fts' is greater ft.	fts'=1.4ft-1.6τ=	243.5	MPa		
σ= 3.4 MPa	＜ fts=	101.0	MPa		
(8) The construction way of the anchor bolt					
1.The construction way of the anchor bolt.	=	Boxed J type anchor			
2.The thickness of the concrete.	=	120	mm=	0.120	m
3.The length of buried part of bolt.	=	70	mm=	0.070	m
4.The permissible withdrawal weight.	Ta=	3136	N ＞	Rb= 264	N

Since the results from the examination above, the anchor bolt has enough strength.



Earthquake-proof strength analysis <Anchor bolt>

1.Type: SUZ Inverter Outdoor unit

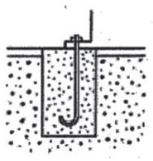
2.Model name: SUZ-KA24NA2

3.Specification

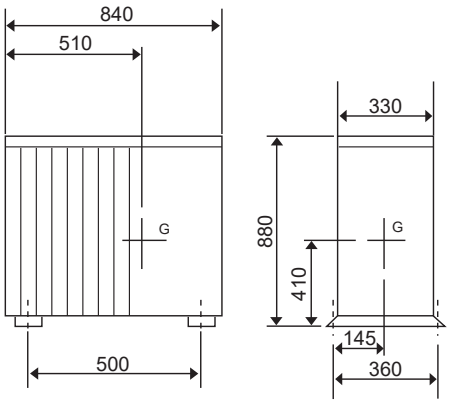
(1) Unit mass	W=	58.5	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78 $\times 10^{-6}$	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	410	mm=	0.410	m	
(4) The bolt-span from the examination angle	L=	360	mm=	0.360	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	145	mm(Lg≦L/2)=	0.145	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0			
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5			
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	573.3	N		
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	286.7	N		
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	268.7	N		
(6) The shear forces of the anchor bolt	Q=Fh/N=	143.3	N		
(7) The stress arising to the anchor bolt					
1.The tensile stress.	σ=Rb/A=	3.4	MPa＜ft=176MPa		
2.The shearing stress.	τ=Q/A=	1.8	MPa＜fs=101MPa		
3.The stress when affected by both the shearing and the tensile at the same time. However fts equals fts' when fts' less than or equal to ft, and fts equal ft when fts' is greater ft.	fts'=1.4ft-1.6τ=	243.5	MPa		
σ= 3.4 MPa	＜ fts=	101.0	MPa		
(8) The construction way of the anchor bolt					
1.The construction way of the anchor bolt.	=	Boxed J type anchor			
2.The thickness of the concrete.	=	120	mm=	0.120	m
3.The length of buried part of bolt.	=	70	mm=	0.070	m
4.The permissible withdrawal weight.	Ta=	3136	N ＞	Rb= 269	N



Since the results from the examination above, the anchor bolt has enough strength.



Earthquake-proof strength analysis <Anchor bolt>

1.Type: SUZ Inverter Outdoor unit

2.Model name: SUZ-KA30NA2

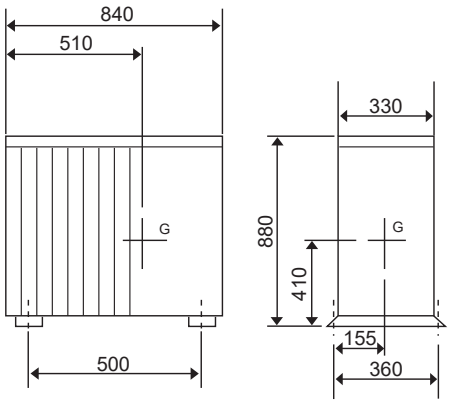
3.Specification

(1) Unit mass	W=	58.5	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78 $\times 10^{-6}$	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	410	mm=	0.410	m	
(4) The bolt-span from the examination angle	L=	360	mm=	0.360	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	155	mm(Lg≦L/2)=	0.155	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0			
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5			
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	573.3	N		
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	286.7	N		
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	264.8	N		
(6) The shear forces of the anchor bolt	Q=Fh/N=	143.3	N		
(7) The stress arising to the anchor bolt					
1.The tensile stress.	σ=Rb/A=	3.4	MPa＜ft=176MPa		
2.The shearing stress.	τ=Q/A=	1.8	MPa＜fs=101MPa		
3.The stress when affected by both the shearing and the tensile at the same time. However fts equals fts' when fts' less than or equal to ft, and fts equal ft when fts' is greater ft.	fts'=1.4ft-1.6τ=	243.5	MPa		
σ= 3.4 MPa	＜ fts=	101.0	MPa		
(8) The construction way of the anchor bolt					
1.The construction way of the anchor bolt.	=	Boxed J type anchor			
2.The thickness of the concrete.	=	120	mm=	0.120	m
3.The length of buried part of bolt.	=	70	mm=	0.070	m
4.The permissible withdrawal weight.	Ta=	3136	N ＞	Rb= 265	N

Since the results from the examination above, the anchor bolt has enough strength.



Earthquake-proof strength analysis <Anchor bolt>

1.Type: SUZ Inverter Outdoor unit

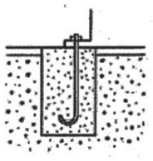
2.Model name: SUZ-KA36NA2

3.Specification

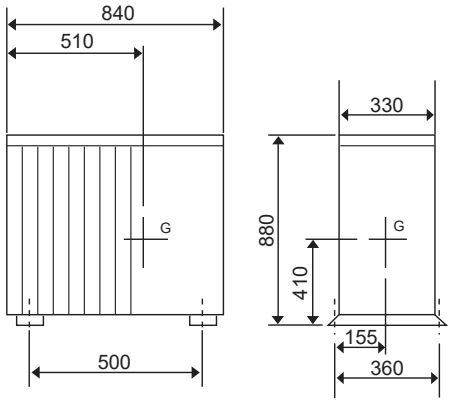
(1) Unit mass	W=	58.5	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78 $\times 10^{-6}$	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	410	mm=	0.410	m	
(4) The bolt-span from the examination angle	L=	360	mm=	0.360	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	155	mm(Lg≦L/2)=	0.155	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0			
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5			
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	573.3	N		
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	286.7	N		
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	264.8	N		
(6) The shear forces of the anchor bolt	Q=Fh/N=	143.3	N		
(7) The stress arising to the anchor bolt					
1.The tensile stress.	σ=Rb/A=	3.4	MPa＜ft=176MPa		
2.The shearing stress.	τ=Q/A=	1.8	MPa＜fs=101MPa		
3.The stress when affected by both the shearing and the tensile at the same time. However fts equals fts' when fts' less than or equal to ft, and fts equal ft when fts' is greater ft.	fts'=1.4ft-1.6τ=	243.5	MPa		
σ= 3.4 MPa	＜ fts=	101.0	MPa		
(8) The construction way of the anchor bolt					
1.The construction way of the anchor bolt.	=	Boxed J type anchor			
2.The thickness of the concrete.	=	120	mm=	0.120	m
3.The length of buried part of bolt.	=	70	mm=	0.070	m
4.The permissible withdrawal weight.	Ta=	3136	N ＞ Rb=	265	N



Since the results from the examination above, the anchor bolt has enough strength.



Earthquake-proof strength analysis <Anchor bolt>

1.Type: H2i SUZ Inverter Outdoor unit

2.Model name: SUZ-KA09NAHZ

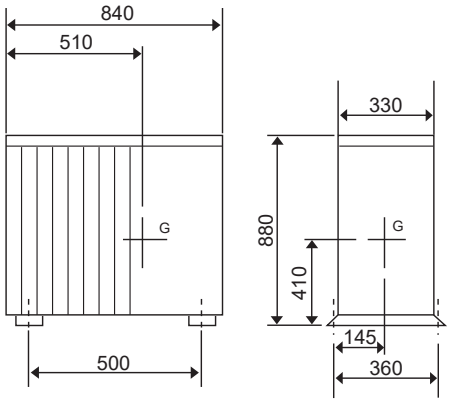
3.Specification

(1) Unit mass	W=	58.5	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78 $\times 10^{-6}$	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	410	mm=	0.410	m	
(4) The bolt-span from the examination angle	L=	360	mm=	0.360	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	145	mm(Lg≦L/2)=	0.145	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0			
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5			
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	573.3	N		
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	286.7	N		
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	268.7	N		
(6) The shear forces of the anchor bolt	Q=Fh/N=	143.3	N		
(7) The stress arising to the anchor bolt					
1.The tensile stress.	σ=Rb/A=	3.4	MPa＜ft=176MPa		
2.The shearing stress.	τ=Q/A=	1.8	MPa＜fs=101MPa		
3.The stress when affected by both the shearing and the tensile at the same time. However fts equals fts' when fts' less than or equal to ft, and fts equal ft when fts' is greater ft.	fts'=1.4ft-1.6τ=	243.5	MPa		
σ= 3.4 MPa	＜ fts=	101.0	MPa		
(8) The construction way of the anchor bolt					
1.The construction way of the anchor bolt.	=	Boxed J type anchor			
2.The thickness of the concrete.	=	120	mm=	0.120	m
3.The length of buried part of bolt.	=	70	mm=	0.070	m
4.The permissible withdrawal weight.	Ta=	3136	N ＞ Rb=	269	N

Since the results from the examination above, the anchor bolt has enough strength.



Earthquake-proof strength analysis <Anchor bolt>

1.Type: H2i SUZ Inverter Outdoor unit

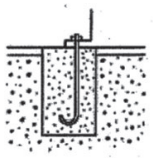
2.Model name: SUZ-KA12NAHZ

3.Specification

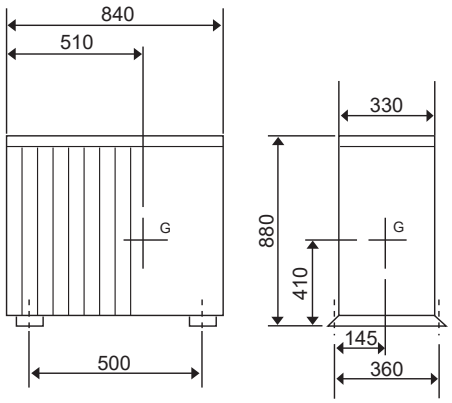
(1) Unit mass	W=	58.5	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78 $\times 10^{-6}$	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	410	mm=	0.410	m	
(4) The bolt-span from the examination angle	L=	360	mm=	0.360	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	145	mm(Lg≦L/2)=	0.145	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0			
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5			
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	573.3	N		
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	286.7	N		
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	268.7	N		
(6) The shear forces of the anchor bolt	Q=Fh/N=	143.3	N		
(7) The stress arising to the anchor bolt					
1.The tensile stress.	σ=Rb/A=	3.4	MPa＜ft=176MPa		
2.The shearing stress.	τ=Q/A=	1.8	MPa＜fs=101MPa		
3.The stress when affected by both the shearing and the tensile at the same time. However fts equals fts' when fts' less than or equal to ft, and fts equal ft when fts' is greater ft.	fts'=1.4ft-1.6τ=	243.5	MPa		
σ= 3.4 MPa	＜ fts=	101.0	MPa		
(8) The construction way of the anchor bolt					
1.The construction way of the anchor bolt.	=	Boxed J type anchor			
2.The thickness of the concrete.	=	120	mm=	0.120	m
3.The length of buried part of bolt.	=	70	mm=	0.070	m
4.The permissible withdrawal weight.	Ta=	3136	N ＞ Rb=	269	N



Since the results from the examination above, the anchor bolt has enough strength.



Earthquake-proof strength analysis <Anchor bolt>

1.Type: H2i SUZ Inverter Outdoor unit

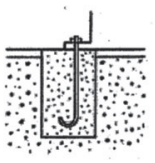
2.Model name: SUZ-KA15NAHZ

3.Specification

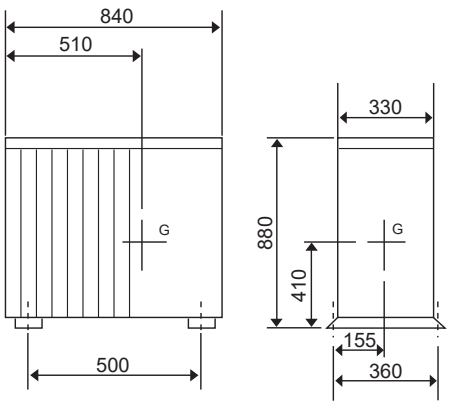
(1) Unit mass	W=	59.5	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78 ×10^{-6}	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	410	mm=	0.410	m	
(4) The bolt-span from the examination angle	L=	360	mm=	0.360	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	155	mm(Lg≦L/2)=	0.155	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0			
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5			
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	583.1	N		
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	291.6	N		
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	269.3	N		
(6) The shear forces of the anchor bolt	Q=Fh/N=	145.8	N		
(7) The stress arising to the anchor bolt					
1.The tensile stress.	σ=Rb/A=	3.5	MPa＜ft=176MPa		
2.The shearing stress.	τ=Q/A=	1.9	MPa＜fs=101MPa		
3.The stress when affected by both the shearing and the tensile at the same time. However fts equals fts' when fts' less than or equal to ft, and fts equal ft when fts' is greater ft.	fts'=1.4ft-1.6τ=	243.4	MPa		
σ= 3.5 MPa	＜ fts=	101.0	MPa		
(8) The construction way of the anchor bolt					
1.The construction way of the anchor bolt.	=	Boxed J type anchor			
2.The thickness of the concrete.	=	120	mm=	0.120	m
3.The length of buried part of bolt.	=	70	mm=	0.070	m
4.The permissible withdrawal weight.	Ta=	3136	N ＞	Rb= 269	N



Since the results from the examination above, the anchor bolt has enough strength.



Earthquake-proof strength analysis <Anchor bolt>

1.Type: H2i SUZ Inverter Outdoor unit

2.Model name: SUZ-KA18NAHZ

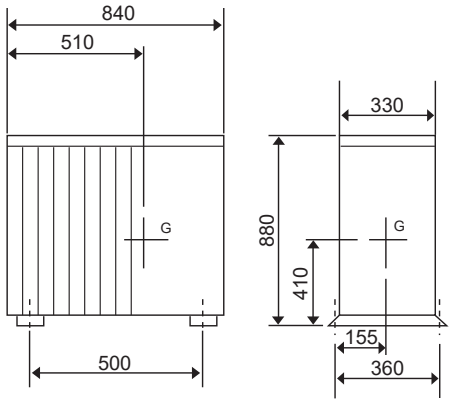
3.Specification

(1) Unit mass	W=	59.5	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78 $\times 10^{-6}$	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	410	mm=	0.410	m	
(4) The bolt-span from the examination angle	L=	360	mm=	0.360	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	155	mm(Lg≦L/2)=	0.155	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0			
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5			
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	583.1	N		
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	291.6	N		
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	269.3	N		
(6) The shear forces of the anchor bolt	Q=Fh/N=	145.8	N		
(7) The stress arising to the anchor bolt					
1.The tensile stress.	σ=Rb/A=	3.5	MPa＜ft=176MPa		
2.The shearing stress.	τ=Q/A=	1.9	MPa＜fs=101MPa		
3.The stress when affected by both the shearing and the tensile at the same time. However fts equals fts' when fts' less than or equal to ft, and fts equal ft when fts' is greater ft.	fts'=1.4ft-1.6τ=	243.4	MPa		
σ= 3.5 MPa	＜ fts=	101.0	MPa		
(8) The construction way of the anchor bolt					
1.The construction way of the anchor bolt.	=	Boxed J type anchor			
2.The thickness of the concrete.	=	120	mm=	0.120	m
3.The length of buried part of bolt.	=	70	mm=	0.070	m
4.The permissible withdrawal weight.	Ta=	3136	N ＞	Rb= 269	N

Since the results from the examination above, the anchor bolt has enough strength.



Earthquake-proof strength analysis <Anchor bolt>

1.Type: H2i SUZ Inverter Outdoor unit

2.Model name: SUZ-KA24NAHZ

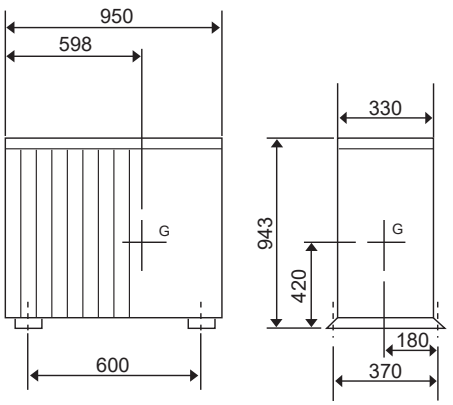
3.Specification

(1) Unit mass	W=	86	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78 $\times 10^{-6}$	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	420	mm=	0.420	m	
(4) The bolt-span from the examination angle	L=	370	mm=	0.370	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	180	mm(Lg≦L/2)=	0.180	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0			
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5			
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	842.8	N		
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	421.4	N		
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	375.8	N		
(6) The shear forces of the anchor bolt	Q=Fh/N=	210.7	N		
(7) The stress arising to the anchor bolt					
1.The tensile stress.	σ=Rb/A=	4.8	MPa＜ft=176MPa		
2.The shearing stress.	τ=Q/A=	2.7	MPa＜fs=101MPa		
3.The stress when affected by both the shearing and the tensile at the same time. However fts equals fts' when fts' less than or equal to ft, and fts equal ft when fts' is greater ft.	fts'=1.4ft-1.6τ=	242.1	MPa		
σ= 4.8 MPa	＜ fts=	101.0	MPa		
(8) The construction way of the anchor bolt					
1.The construction way of the anchor bolt.	=	Boxed J type anchor			
2.The thickness of the concrete.	=	120	mm=	0.120	m
3.The length of buried part of bolt.	=	70	mm=	0.070	m
4.The permissible withdrawal weight.	Ta=	3136	N ＞	Rb= 376	N

Since the results from the examination above, the anchor bolt has enough strength.



Earthquake-proof strength analysis <Anchor bolt>

1.Type: H2i SUZ Inverter Outdoor unit

2.Model name: SUZ-KA30NAHZ

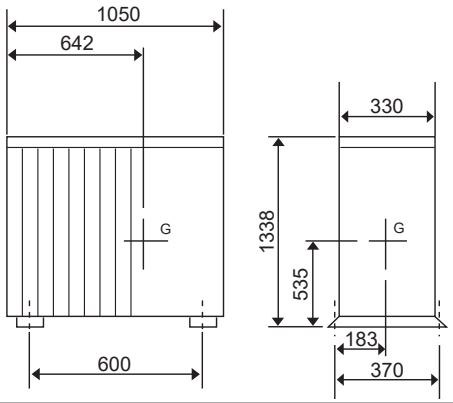
3.Specification

(1) Unit mass	W=	118	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78 $\times 10^{-6}$	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	535	mm=	0.535	m	
(4) The bolt-span from the examination angle	L=	370	mm=	0.370	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	183	mm(Lg≦L/2)=	0.183	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0			
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5			
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	1156.4	N		
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	578.2	N		
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	693.1	N		
(6) The shear forces of the anchor bolt	Q=Fh/N=	289.1	N		
(7) The stress arising to the anchor bolt					
1.The tensile stress.	σ=Rb/A=	8.9	MPa＜ft=176MPa		
2.The shearing stress.	τ=Q/A=	3.7	MPa＜fs=101MPa		
3.The stress when affected by both the shearing and the tensile at the same time. However fts equals fts' when fts' less than or equal to ft, and fts equal ft when fts' is greater ft.	fts'=1.4ft-1.6τ=	240.5	MPa		
σ= 8.9 MPa	＜ fts=	101.0	MPa		
(8) The construction way of the anchor bolt					
1.The construction way of the anchor bolt.	=	Boxed J type anchor			
2.The thickness of the concrete.	=	120	mm=	0.120	m
3.The length of buried part of bolt.	=	70	mm=	0.070	m
4.The permissible withdrawal weight.	Ta=	3136	N ＞	Rb= 693	N

Since the results from the examination above, the anchor bolt has enough strength.



Earthquake-proof strength analysis <Anchor bolt>

1.Type: H2i SUZ Inverter Outdoor unit

2.Model name: SUZ-KA36NAHZ

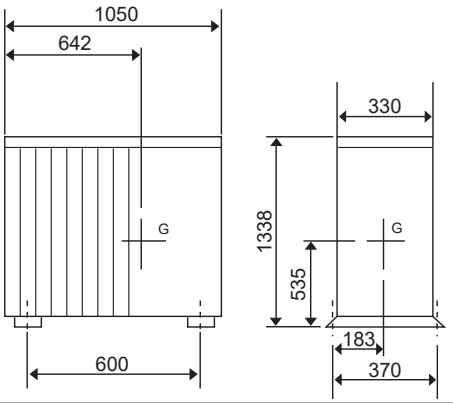
3.Specification

(1) Unit mass	W=	118	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78 $\times 10^{-6}$	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	535	mm=	0.535	m	
(4) The bolt-span from the examination angle	L=	370	mm=	0.370	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	183	mm(Lg≦L/2)=	0.183	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0			
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5			
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	1156.4	N		
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	578.2	N		
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	693.1	N		
(6) The shear forces of the anchor bolt	Q=Fh/N=	289.1	N		
(7) The stress arising to the anchor bolt					
1.The tensile stress.	σ=Rb/A=	8.9	MPa＜ft=176MPa		
2.The shearing stress.	τ=Q/A=	3.7	MPa＜fs=101MPa		
3.The stress when affected by both the shearing and the tensile at the same time. However fts equals fts' when fts' less than or equal to ft, and fts equal ft when fts' is greater ft.	fts'=1.4ft-1.6τ=	240.5	MPa		
σ= 8.9 MPa	＜ fts=	101.0	MPa		
(8) The construction way of the anchor bolt					
1.The construction way of the anchor bolt.	=	Boxed J type anchor			
2.The thickness of the concrete.	=	120	mm=	0.120	m
3.The length of buried part of bolt.	=	70	mm=	0.070	m
4.The permissible withdrawal weight.	Ta=	3136	N ＞	Rb= 693	N

Since the results from the examination above, the anchor bolt has enough strength.



A.9 MULTI SYSTEM (MXZ)

A.9.1 SPECIFICATIONS A-736
A.9.1.1 Inverter Heat Pump A-736
A.9.2 OUTLINES AND DIMENSIONS A-748
A.9.2.1 Inverter Heat Pump A-748
A.9.3 WIRING DIAGRAM A-756
A.9.3.1 Inverter Heat Pump A-756
A.9.4 REFRIGERANT SYSTEM DIAGRAM A-766
A.9.4.1 Inverter Heat Pump A-766
A.9.4.2 Refrigerant Pipe Length and Pipe Size A-774
A.9.4.3 Necessary Conditions For System Construction A-782
A.9.5 PERFORMANCE CURVES A-785
A.9.5.1 Inverter Heat Pump A-785
A.9.5.2 STANDARD OPERATION DATA A-822
A.9.6 NOISE CRITERIA CURVES A-828
A.9.6.1 Inverter Heat Pump A-828
A.9.7 ACTUATOR CONTROL A-831
A.9.7.1 MXZ Series A-831
A.9.8 CAPACITY CORRECTION RATIO CURVE FOR PIPING LENGTH A-832
A.9.9 POSITION OF THE CENTER OF GRAVITY A-836
A.9.10 COMBINATION TABLE A-837
A.9.11 STANDARD CAPACITY DIAGRAM A-877
A.9.12 PART LOAD CAPACITY CHART A-885

A.9.1 SPECIFICATIONS

A.9.1.1 Inverter Heat Pump

Item			Outdoor model	MXZ-2C20NA2-U1	
			Indoor type	Non-Duct (09+09)	Duct (09+12)
Capacity	Cooling	*1	Btu/h	18,000	20,000
	Heating 47	*1	Btu/h	22,000	22,000
	Heating 17	*2	Btu/h	1,2500	13,500
Power consumption	Cooling	*1	W	1,417	2,000
	Heating 47	*1	W	1,641	1,771
	Heating 17	*2	W	1,300	1,350
EER	Cooling			12.7	10.0
SEER	Cooling			20.0	16.0
HSPF IV(V)	Heating			10.0	9.3
COP	Heating			3.93	3.64
External finish				Munsell 3.0Y 7.8/1.1	
Power supply			V, phase, Hz	208/230, 1, 60	
Max. fuse size (time delay)			A	20	
Min. circuit ampacity			A	17.2	
Fan motor			F.L.A	1.77	
Compressor	Model			SNB140FQUH2T	
	Winding resistance (at 68 ºF)		Ω	U-V1.99 V-W 1.99 W-U 1.99	
			R.L.A	10.7	
			L.R.A	15.5	
Refrigerant control				LEV	
Sound level			dB(A)	50/54	
Defrost method				Reverse cycle	
Dimensions	W		in.	33-1/16	
	D		in.	13	
	H		in.	27-15/16	
Weight			lb.	126	
Remote controller				Wireless type	
Control voltage (by built-in transformer)				12 - 24 VDC	
Refrigerant piping				Not supplied (optional parts)	
Valve size	Liquid		in.	1/4	
	Gas		in.	3/8	
Connection method	Indoor			Flared	
	Outdoor			Flared	
Refrigerant charge (R410A)			lb.	5 lb. 15 oz.	
Refrigeration oil (Model)			fl oz. (L)	20.3 (0.6) (NEO22)	

NOTE: Test conditions are based on ARI 210/240.

Unit: °F

Mode	Test	Indoor air condition		Outdoor air condition	
		Dry bulb	Wet bulb	Dry bulb	Wet bulb
Cooling	*1: "A" Cooling steady state at rated compressor speed	80	67	95	(75)
	"B-2" Cooling steady state at rated compressor speed	80	67	82	(65)
	"B-1" Cooling steady state at minimum compressor speed	80	67	82	(65)
	Low ambient cooling steady state at minimum compressor speed	80	67	67	(53.5)
	Intermediate cooling steady state at intermediate compressor speed	80	67	87	(69)
Heating	*1: Standard rating-heating at rated compressor speed	70	60	47	43
	*2: Low temperature heating at maximum compressor speed	70	60	17	15
	Maximum temperature heating at minimum compressor speed	70	60	62	56.5
	High temperature heating at minimum compressor speed	70	60	47	43
	Frost accumulation at rated compressor speed	70	60	35	33
	Frost accumulation at intermediate compressor speed	70	60	35	33

Item			Outdoor model	MXZ-3C24NA2-U1	
			Indoor type	Non-Duct (06+09+09)	Duct (09+09+09)
Capacity	Cooling	*1	Btu/h	22,000	23,600
	Heating 47	*1	Btu/h	25,000	24,600
	Heating 17	*2	Btu/h	19,600	19,600
Power consumption	Cooling	*1	W	1,620	2,100
	Heating 47	*1	W	1,750	1,900
	Heating 17	*2	W	2,580	2,440
EER	Cooling			13.6	11.2
SEER	Cooling			20.0	16.0
HSPF IV(V)	Heating			9.8 (7.6)	9.2 (7.6)
COP	Heating			4.20	3.80
External finish				Munsell 3.0Y 7.8/1.1	
Power supply			V, phase, Hz	208/230, 1, 60	
Max. fuse size (time delay)			A	25	
Min. circuit ampacity			A	22.1	
Fan motor			F.L.A	2.43	
Compressor	Model			SNB220FQGMC	
	Winding resistance (at 68 ºF)		Ω	U-V 0.95 V-W 0.95 W-U 0.95	
			R.L.A	12	
			L.R.A	13.7	
Refrigerant control				LEV	
Sound level			dB(A)	51/55	
Defrost method				Reverse cycle	
Dimensions	W		in.	37-13/32	
	D		in.	13	
	H		in.	31-11/32	
Weight			lb.	137	
Remote controller				Wireless type	
Control voltage (by built-in transformer)				12-24 VDC	
Refrigerant piping				Not supplied (optional parts)	
Valve size	Liquid		in.	1/4	
	Gas		in.	A:1/2 B,C:3/8	
Connection method	Indoor			Flared	
	Outdoor			Flared	
Refrigerant charge (R410A)			lb.	6lb. 13oz.	
Refrigeration oil (Model)			fl oz. (L)	23.7 (0.7) (FV50S)	

NOTE: Test conditions are based on ARI 210/240.

Unit: °F

Mode	Test	Indoor air condition		Outdoor air condition	
		Dry bulb	Wet bulb	Dry bulb	Wet bulb
Cooling	*1: "A" Cooling steady state at rated compressor speed	80	67	95	(75)
	"B-2" Cooling steady state at rated compressor speed	80	67	82	(65)
	"B-1" Cooling steady state at minimum compressor speed	80	67	82	(65)
	Low ambient cooling steady state at minimum compressor speed	80	67	67	(53.5)
	Intermediate cooling steady state at intermediate compressor speed	80	67	87	(69)
Heating	*1: Standard rating-heating at rated compressor speed	70	60	47	43
	*2: Low temperature heating at maximum compressor speed	70	60	17	15
	Maximum temperature heating at minimum compressor speed	70	60	62	56.5
	High temperature heating at minimum compressor speed	70	60	47	43
	Frost accumulation at rated compressor speed	70	60	35	33
	Frost accumulation at intermediate compressor speed	70	60	35	33

Item			Outdoor model	MXZ-3C30NA2-U1	
			Indoor type	Non-Duct (09+09+12)	Duct (09+09+12)
Capacity	Cooling	*1	Btu/h	28,400	27,400
	Heating 47	*1	Btu/h	28,600	27,600
	Heating 17	*2	Btu/h	21,000	21,000
Power consumption	Cooling	*1	W	2,680	2,840
	Heating 47	*1	W	2,150	2,220
	Heating 17	*2	W	2,740	2,820
EER	Cooling			10.6	9.6
SEER	Cooling			19.0	16.2
HSPF IV(V)	Heating			10.6 (8.0)	9.6 (8.0)
COP	Heating			3.90	3.64
External finish				Munsell 3.0Y 7.8/1.1	
Power supply			V, phase, Hz	208/230, 1, 60	
Max. fuse size (time delay)			A	25	
Min. circuit ampacity			A	22.1	
Fan motor			F.L.A	2.43	
Compressor	Model			SNB220FQGMC	
	Winding resistance (at 68 ºF)		Ω	U-V 0.95 V-W 0.95 W-U 0.95	
			R.L.A	12	
			L.R.A	13.7	
Refrigerant control				LEV	
Sound level			dB(A)	52/56	
Defrost method				Reverse cycle	
Dimensions	W		in.	37-13/32	
	D		in.	13	
	H		in.	31-11/32	
Weight			lb.	137	
Remote controller				Wireless type	
Control voltage (by built-in transformer)				12-24 VDC	
Refrigerant piping				Not supplied (optional parts)	
Valve size	Liquid		in.	1/4	
	Gas		in.	A:1/2 B,C:3/8	
Connection method	Indoor			Flared	
	Outdoor			Flared	
Refrigerant charge (R410A)			lb.	6lb. 13oz.	
Refrigeration oil (Model)			fl oz. (L)	23.7 (0.7) (FV50S)	

NOTE: Test conditions are based on ARI 210/240.

Unit: °F

Mode	Test	Indoor air condition		Outdoor air condition	
		Dry bulb	Wet bulb	Dry bulb	Wet bulb
Cooling	*1: "A" Cooling steady state at rated compressor speed	80	67	95	(75)
	"B-2" Cooling steady state at rated compressor speed	80	67	82	(65)
	"B-1" Cooling steady state at minimum compressor speed	80	67	82	(65)
	Low ambient cooling steady state at minimum compressor speed	80	67	67	(53.5)
	Intermediate cooling steady state at intermediate compressor speed	80	67	87	(69)
Heating	*1: Standard rating-heating at rated compressor speed	70	60	47	43
	*2: Low temperature heating at maximum compressor speed	70	60	17	15
	Maximum temperature heating at minimum compressor speed	70	60	62	56.5
	High temperature heating at minimum compressor speed	70	60	47	43
	Frost accumulation at rated compressor speed	70	60	35	33
	Frost accumulation at intermediate compressor speed	70	60	35	33

Item			Outdoor model	MXZ-4C36NA2-U1	
			Indoor type	Non-Duct (09+09+09+09)	Duct (09+09+09+09)
Capacity	Cooling	*1	Btu/h	35,400	34,400
	Heating 47	*1	Btu/h	36,000	34,400
	Heating 17	*2	Btu/h	26,600	26,600
Power consumption	Cooling	*1	W	3,760	3,940
	Heating 47	*1	W	3,020	3,100
	Heating 17	*2	W	3,440	3,540
EER	Cooling			9.4	8.7
SEER	Cooling			19.2	16.0
HSPF IV(V)	Heating			11.0 (8.4)	9.8 (8.4)
COP	Heating			3.50	3.25
External finish				Munsell 3.0Y 7.8/1.1	
Power supply			V, phase, Hz	208/230, 1, 60	
Max. fuse size (time delay)			A	25	
Min. circuit ampacity			A	22.1	
Fan motor			F.L.A	2.43	
Compressor	Model			SNB220FQGMC	
	Winding resistance (at 68 ºF)		Ω	U-V 0.95 V-W 0.95 W-U 0.95	
			R.L.A	12	
			L.R.A	13.7	
Refrigerant control				LEV	
Sound level			dB(A)	54/56	
Defrost method				Reverse cycle	
Dimensions	W		in.	37-13/32	
	D		in.	13	
	H		in.	31-11/32	
Weight			lb.	139	
Remote controller				Wireless type	
Control voltage (by built-in transformer)				12-24 VDC	
Refrigerant piping				Not supplied (optional parts)	
Valve size	Liquid		in.	1/4	
	Gas		in.	A:1/2 B,C,D:3/8	
Connection method	Indoor			Flared	
	Outdoor			Flared	
Refrigerant charge (R410A)			lb.	6lb. 13oz.	
Refrigeration oil (Model)			fl oz. (L)	23.7 (0.7) (FV50S)	

NOTE: Test conditions are based on ARI 210/240.

Unit: °F

Mode	Test	Indoor air condition		Outdoor air condition	
		Dry bulb	Wet bulb	Dry bulb	Wet bulb
Cooling	*1: "A" Cooling steady state at rated compressor speed	80	67	95	(75)
	"B-2" Cooling steady state at rated compressor speed	80	67	82	(65)
	"B-1" Cooling steady state at minimum compressor speed	80	67	82	(65)
	Low ambient cooling steady state at minimum compressor speed	80	67	67	(53.5)
	Intermediate cooling steady state at intermediate compressor speed	80	67	87	(69)
Heating	*1: Standard rating-heating at rated compressor speed	70	60	47	43
	*2: Low temperature heating at maximum compressor speed	70	60	17	15
	Maximum temperature heating at minimum compressor speed	70	60	62	56.5
	High temperature heating at minimum compressor speed	70	60	47	43
	Frost accumulation at rated compressor speed	70	60	35	33
	Frost accumulation at intermediate compressor speed	70	60	35	33

Item			Outdoor model	MXZ-5C42NA2-U1	
			Indoor type	Non-Duct (06+09+09+09+09)	Duct (09+09+09+09+09)
Capacity	Cooling	*1	Btu/h	40,500	37,500
	Heating 47	*1	Btu/h	45,000	41,000
	Heating 17	*2	Btu/h	30,500	29,100
Power consumption	Cooling	*1	W	4,403	4,112
	Heating 47	*1	W	3,575	3,463
	Heating 17	*2	W	4,800	5,500
EER	Cooling			9.2	9.0
SEER	Cooling			19.7	15.2
HSPF IV(V)	Heating			10.3 (7.7)	9.1 (7.7)
COP	Heating			3.69	3.47
External finish				Munsell 3.0Y 7.8/1.1	
Power supply			V, phase, Hz	208/230, 1, 60	
Max. fuse size (time delay)			A	40	
Min. circuit ampacity			A	32.5	
Fan motor			F.L.A	2.43	
Compressor	Model			MNB33FBTMC-L	
	Winding resistance (at 68 ºF)		Ω	U-V 0.30 V-W 0.30 W-U 0.30	
			R.L.A	20	
			L.R.A	28.8	
Refrigerant control				LEV	
Sound level			dB(A)	56/58	
Defrost method				Reverse cycle	
Dimensions	W		in.	37-13/32	
	D		in.	13	
	H		in.	41-17/64	
Weight			lb.	189	
Remote controller				Wireless type	
Control voltage (by built-in transformer)				12-24 VDC	
Refrigerant piping				Not supplied (optional parts)	
Valve size	Liquid		in.	1/4	
	Gas		in.	A:1/2 B,C,D,E: 3/8	
Connection method	Indoor			Flared	
	Outdoor			Flared	
Refrigerant charge (R410A)			lb.	8 lb. 13 oz.	
Refrigeration oil (Model)			fl oz. (L)	37.2 (1.1) (FV50S)	

NOTE: Test conditions are based on ARI 210/240.

Unit: °F

Mode	Test	Indoor air condition		Outdoor air condition	
		Dry bulb	Wet bulb	Dry bulb	Wet bulb
Cooling	*1: "A" Cooling steady state at rated compressor speed	80	67	95	(75)
	"B-2" Cooling steady state at rated compressor speed	80	67	82	(65)
	"B-1" Cooling steady state at minimum compressor speed	80	67	82	(65)
	Low ambient cooling steady state at minimum compressor speed	80	67	67	(53.5)
	Intermediate cooling steady state at intermediate compressor speed	80	67	87	(69)
Heating	*1: Standard rating-heating at rated compressor speed	70	60	47	43
	*2: Low temperature heating at maximum compressor speed	70	60	17	15
	Maximum temperature heating at minimum compressor speed	70	60	62	56.5
	High temperature heating at minimum compressor speed	70	60	47	43
	Frost accumulation at rated compressor speed	70	60	35	33
	Frost accumulation at intermediate compressor speed	70	60	35	33

Item			Outdoor model	MXZ-2C20NAHZ2-U1	
			Indoor type	Non-Duct (09+09)	Duct (09+12)
Capacity	Cooling	*1	Btu/h	18,000	20,000
	Heating 47	*1	Btu/h	22,000	22,000
	Heating 17	*2	Btu/h	22,000	22,000
Power consumption	Cooling	*1	W	1,334	1,819
	Heating 47	*1	W	1,612	1,748
	Heating 17	*2	W	3,071	3,224
EER	Cooling			13.5	11.0
SEER	Cooling			17.0	15.0
HSPF IV(V)	Heating			9.8 (7.8)	9.5 (7.8)
COP	Heating			4.00	3.69
External finish				Munsell 3.0Y 7.8/1.1	
Power supply			V, phase, Hz	208/230, 1, 60	
Max. fuse size (time delay)			A	40	
Min. circuit ampacity			A	29.5	
Fan motor			F.L.A	2.43	
Compressor	Model			MNB33FBTMC-L	
	Winding resistance (at 68 ºF)		Ω	U-V 0.30 V-W 0.30 W-U 0.30	
			R.L.A	20	
			L.R.A	28.8	
Refrigerant control				LEV	
Sound level			dB(A)	54/58	
Defrost method				Reverse cycle	
Dimensions	W		in.	37-13/32	
	D		in.	13	
	H		in.	41-17/64	
Weight			lb.	187	
Remote controller				Wireless type	
Control voltage (by built-in transformer)				12-24 VDC	
Refrigerant piping				Not supplied (optional parts)	
Valve size	Liquid		in.	1/4	
	Gas		in.	A,B: 3/8	
Connection method	Indoor			Flared	
	Outdoor			Flared	
Refrigerant charge (R410A)			lb.	8 lb. 13 oz.	
Refrigeration oil (Model)			fl oz. (L)	37.2 (1.1) (FV50S)	

NOTE: Test conditions are based on ARI 210/240.

Unit: °F

Mode	Test	Indoor air condition		Outdoor air condition	
		Dry bulb	Wet bulb	Dry bulb	Wet bulb
Cooling	*1: "A" Cooling steady state at rated compressor speed	80	67	95	(75)
	"B-2" Cooling steady state at rated compressor speed	80	67	82	(65)
	"B-1" Cooling steady state at minimum compressor speed	80	67	82	(65)
	Low ambient cooling steady state at minimum compressor speed	80	67	67	(53.5)
	Intermediate cooling steady state at intermediate compressor speed	80	67	87	(69)
Heating	*1: Standard rating-heating at rated compressor speed	70	60	47	43
	*2: Low temperature heating at maximum compressor speed	70	60	17	15
	Maximum temperature heating at minimum compressor speed	70	60	62	56.5
	High temperature heating at minimum compressor speed	70	60	47	43
	Frost accumulation at rated compressor speed	70	60	35	33
	Frost accumulation at intermediate compressor speed	70	60	35	33

Item			Outdoor model	MXZ-3C24NAHZ2-U1	
			Indoor type	Non-Duct (06+06+09)	Duct (09+09+09)
Capacity	Cooling	*1	Btu/h	22,000	23,600
	Heating 47	*1	Btu/h	25,000	24,600
	Heating 17	*2	Btu/h	25,000	24,600
Power consumption	Cooling	*1	W	1,630	2,360
	Heating 47	*1	W	1,725	1,871
	Heating 17	*2	W	3,557	3,795
EER	Cooling			13.5	10.0
SEER	Cooling			19.0	15.5
HSPF IV(V)	Heating			10.0 (7.4)	9.0 (7.4)
COP	Heating			4.25	3.80
External finish				Munsell 3.0Y 7.8/1.1	
Power supply			V, phase, Hz	208/230, 1, 60	
Max. fuse size (time delay)			A	40	
Min. circuit ampacity			A	30.5	
Fan motor			F.L.A	2.43	
Compressor	Model			MNB33FBTMC-L	
	Winding resistance (at 68 ºF)		Ω	U-V 0.30 V-W 0.30 W-U 0.30	
			R.L.A	20	
			L.R.A	28.8	
Refrigerant control				LEV	
Sound level			dB(A)	54/58	
Defrost method				Reverse cycle	
Dimensions	W		in.	37-13/32	
	D		in.	13	
	H		in.	41-17/64	
Weight			lb.	189	
Remote controller				Wireless type	
Control voltage (by built-in transformer)				12-24 VDC	
Refrigerant piping				Not supplied (optional parts)	
Valve size	Liquid		in.	1/4	
	Gas		in.	A: 1/2 B,C: 3/8	
Connection method	Indoor			Flared	
	Outdoor			Flared	
Refrigerant charge (R410A)			lb.	8 lb. 13 oz.	
Refrigeration oil (Model)			fl oz. (L)	37.2 (1.1) (FV50S)	

NOTE: Test conditions are based on ARI 210/240.

Unit: °F

Mode	Test	Indoor air condition		Outdoor air condition	
		Dry bulb	Wet bulb	Dry bulb	Wet bulb
Cooling	*1: "A" Cooling steady state at rated compressor speed	80	67	95	(75)
	"B-2" Cooling steady state at rated compressor speed	80	67	82	(65)
	"B-1" Cooling steady state at minimum compressor speed	80	67	82	(65)
	Low ambient cooling steady state at minimum compressor speed	80	67	67	(53.5)
	Intermediate cooling steady state at intermediate compressor speed	80	67	87	(69)
Heating	*1: Standard rating-heating at rated compressor speed	70	60	47	43
	*2: Low temperature heating at maximum compressor speed	70	60	17	15
	Maximum temperature heating at minimum compressor speed	70	60	62	56.5
	High temperature heating at minimum compressor speed	70	60	47	43
	Frost accumulation at rated compressor speed	70	60	35	33
	Frost accumulation at intermediate compressor speed	70	60	35	33

Item			Outdoor model	MXZ-3C30NAHZ2-U1	
			Indoor type	Non-Duct (09+09+12)	Duct (09+09+12)
Capacity	Cooling	*1	Btu/h	28,400	27,400
	Heating 47	*1	Btu/h	28,600	27,600
	Heating 17	*2	Btu/h	28,600	27,600
Power consumption	Cooling	*1	W	2,272	2,661
	Heating 47	*1	W	2,096	2,187
	Heating 17	*2	W	4,192	4,258
EER	Cooling			12.5	10.3
SEER	Cooling			18.0	16.0
HSPF IV(V)	Heating			11.0 (8.5)	9.8 (7.7)
COP	Heating			4.00	3.70
External finish				Munsell 3.0Y 7.8/1.1	
Power supply			V, phase, Hz	208/230, 1, 60	
Max. fuse size (time delay)			A	40	
Min. circuit ampacity			A	30.5	
Fan motor			F.L.A	2.43	
Compressor	Model			MNB33FBTMC-L	
	Winding resistance (at 68 ºF)		Ω	U-V 0.30 V-W 0.30 W-U 0.30	
			R.L.A	20	
			L.R.A	28.8	
Refrigerant control				LEV	
Sound level			dB(A)	54/58	
Defrost method				Reverse cycle	
Dimensions	W		in.	37-13/32	
	D		in.	13	
	H		in.	41-17/64	
Weight			lb.	189	
Remote controller				Wireless type	
Control voltage (by built-in transformer)				12-24 VDC	
Refrigerant piping				Not supplied (optional parts)	
Valve size	Liquid		in.	1/4	
	Gas		in.	A: 1/2 B,C: 3/8	
Connection method	Indoor			Flared	
	Outdoor			Flared	
Refrigerant charge (R410A)			lb.	8 lb. 13 oz.	
Refrigeration oil (Model)			fl oz. (L)	37.2 (1.1) (FV50S)	

NOTE: Test conditions are based on ARI 210/240.

Unit: °F

Mode	Test	Indoor air condition		Outdoor air condition	
		Dry bulb	Wet bulb	Dry bulb	Wet bulb
Cooling	*1: "A" Cooling steady state at rated compressor speed	80	67	95	(75)
	"B-2" Cooling steady state at rated compressor speed	80	67	82	(65)
	"B-1" Cooling steady state at minimum compressor speed	80	67	82	(65)
	Low ambient cooling steady state at minimum compressor speed	80	67	67	(53.5)
	Intermediate cooling steady state at intermediate compressor speed	80	67	87	(69)
Heating	*1: Standard rating-heating at rated compressor speed	70	60	47	43
	*2: Low temperature heating at maximum compressor speed	70	60	17	15
	Maximum temperature heating at minimum compressor speed	70	60	62	56.5
	High temperature heating at minimum compressor speed	70	60	47	43
	Frost accumulation at rated compressor speed	70	60	35	33
	Frost accumulation at intermediate compressor speed	70	60	35	33

Service Ref.				MXZ-4C36NAHZ2-U1			MXZ-5C42NAHZ2-U1		
Standard performance	Indoor type			Non-Ducted	Mix	Ducted	Non-Ducted	Mix	Ducted
	Cooling	Capacity Rated*1	Btu/h	36,000	36,000	36,000	42,000	42,000	42,000
		Rated power consumption*1	W	2,570	2,730	2,880	3,130	3,470	3,890
		EER	Btu/h/W	14.00	13.20	12.50	13.40	12.10	10.80
		SEER	-	20.0	18.7	17.5	20.0	18.5	17.0
	Heating	Capacity Rated 47°F*1	Btu/h	45,000	45,000	45,000	48,000	48,000	48,000
		Capacity 17°F*2	Btu/h	45,000	45,000	45,000	48,000	48,000	48,000
		Capacity 5°F	Btu/h	45,000	45,000	45,000	48,000	48,000	48,000
		Rated power consumption 47°F*1	W	3,340	3,470	3,560	3,430	3,750	4,140
		COP 47°F*1	W/W	3.95	3.80	3.70	4.10	3.75	3.40
		HSPF Ⅳ/Ⅴ	-	11.3/9.2	11.1/9.0	11.0 / 8.9	11.0/9.1	10.8/9.1	10.6/9.1
OUTDOOR UNIT	Connectable indoor units (Max.)			4			5		
	Max. Connectable Capacity		Btu/h	46,000			54,000		
	Power supply			1 Phase 208/230 V, 60 Hz					
	Breaker Size/Max. fuse size			40 A/44 A (When power is supplied separately) 45 A/50 A (When power is supplied from the outdoor unit)					
	Min. circuit ampacity			36 A (When power is supplied separately) 42 A (When power is supplied from the outdoor unit)					
	Sound level (Cool/Heat)		dB	49/ 53			50/ 54		
	External finish			Munsell 3Y 7.8/ 1.1					
	Refrigerant control			Linear Expansion Valve					
	Compressor			Hermetic					
		Model		ANB33FJSMT					
		Motor output	kW	2.7			3.0		
		Starting method		Inverter					
	Heat exchanger			Cross fin and tube					
	Fan	Fan (drive) × No.		Propeller fan × 2					
		Fan motor output	kW	0.074 + 0.074					
		Airflow	m³/min (CFM)	110 (3885)					
	Dimensions	Width	inch (mm)	41-11/32 (1050)					
		Depth	inch (mm)	13+1 (330+25)					
		Height	inch (mm)	52-11/16 (1338)					
	Weight		lb (kg)	278 (126)					
	Refrigerant			R410A					
		Charge	lb (kg)	10 lbs. 9 oz.(4.8)					
		Oil volume/Model	oz (L)	78 (2.3)/Ethereal oil (FV50S)					
	Protection devices	High pressure protection		HP switch					
		Compressor protection		Compressor thermo, Overcurrent detection					
		Fan motor protection		Overheating/Voltage protection					
	Guaranteed operation range		(cool)	D.B 23 to 115°F [D.B.−5 to 46°C] *3 *4					
			(heat)	D.B. −13 to 70°F [D.B. −25 to 21°C]					
REFRIGERANT PIPING	Total Piping length (Max.)		ft (m)	492 (150)					
	Farthest		ft (m)	262 (80)					
	Max. Height difference		ft (m)	164 (50)*5					
	Chargeless length		ft (m)	0					
	Piping diameter	Liquid	inch (mm)	ø3/8 (9.52)					
		Gas	inch (mm)	ø5/8 (15.88)					
	Connection method	Indoor side		Flared					
		Outdoor side		Flared					

*1 Rating conditions
Cooling Indoor : D.B. 80°F/W.B. 67 °F [D.B.26.7°C/W.B. 19.4°C]
Outdoor : D.B. 95°F [D.B. 35.0°C]
Heating Indoor : D.B. 70°F [D.B. 21.1°C]
Outdoor : D.B. 47°F/W.B. 43°F [D.B. 8.3°C/W.B. 6.1°C]

*2 Conditions
Heating Indoor : D.B. 70°F [D.B. 21.1°C]
Outdoor : D.B. 17°F/W.B. 15°F [D.B. −8.3°C/W.B. −9.4°C]

*3 D.B. 5 to 115°F [D.B. −15 to 46°C], when an optional Air Outlet Guide is installed.
*4 When the temperature is below D.B. 50°F [D.B. 10°C], noise could potentially occur.
*5 131 ft [40 m], in the case of installing outdoor unit lower than indoor unit.
Note: Refer to the indoor unit's service manual for the indoor units specifications.

Conversion formula:	kcal/h = kW × 860
	Btu/h = kW × 3412
	CFM = m³/min × 35.31

Service Ref.				MXZ-8C48NAHZ2-U1			MXZ-8C48NA2-U1		
Standard performance	Indoor type			Non-Ducted	Mix	Ducted	Non-Ducted	Mix	Ducted
	Cooling	Capacity Rated*1	Btu/h	48,000	48,000	48,000	48,000	48,000	48,000
		Rated power consumption*1	W	3,930	4,320	4,800	3,930	4,320	4,800
		EER	Btu/h/W	12.20	11.10	10.00	12.20	11.10	10.00
		SEER	-	20.0	18.0	16.0	20.0	18.0	16.0
	Heating	Capacity Rated 47°F*1	Btu/h	54,000	54,000	54,000	54,000	54,000	54,000
		Capacity 17°F*2	Btu/h	54,000	54,000	54,000	36,600	36,600	36,600
		Capacity 5°F	Btu/h	54,000	54,000	54,000	32,400	32,400	32,400
		Rated power consumption 47°F*1	W	4,220	4,520	4,800	4,220	4,520	4,800
		COP 47°F*1	W/W	3.75	3.50	3.30	3.75	3.50	3.30
		HSPF Ⅳ/Ⅴ	-	11.5/9.8	10.8/9.5	10.1/9.2	11.5/8.8	10.8/8.6	10.1/8.4
OUTDOOR UNIT	Connectable indoor units (Max.)			8					
	Max. Connectable Capacity		Btu/h	62,000					
	Power supply			1 Phase 208/230 V, 60 Hz					
	Breaker Size / Max. fuse size			40 A/44 A (When power is supplied separately) 45 A/50 A (When power is supplied from the outdoor unit)			30 A/44 A (When power is supplied separately) 40 A/50 A (When power is supplied from the outdoor unit)		
	Min. circuit ampacity			36 A (When power is supplied separately) 42 A (When power is supplied from the outdoor unit)			29 A (When power is supplied separately) 35 A (When power is supplied from the outdoor unit)		
	Sound level (Cool/Heat)		dB	51/ 54					
	External finish			Munsell 3Y 7.8 / 1.1					
	Refrigerant control			Linear Expansion Valve					
	Compressor			Hermetic					
		Model		ANB33FJSMT			ANB33FNHMT		
		Motor output	kW	3.4					
		Starting method		Inverter					
	Heat exchanger			Cross fin and tube					
	Fan	Fan (drive) × No.		Propeller fan × 2					
		Fan motor output	kW	0.074 + 0.074					
		Airflow	m³/min (CFM)	110 (3885)					
	Dimensions	Width	inch (mm)	41-11/32 (1050)					
		Depth	inch (mm)	13+1 (330+25)					
		Height	inch (mm)	52-11/16 (1338)					
	Weight		lb (kg)	278 (126)			271 (123)		
	Refrigerant			R410A					
		Charge	lb (kg)	10 lbs. 9 oz. (4.8)					
		Oil volume/Model	oz (L)	78 (2.3) / Ethereal oil (FV50S)					
	Protection devices	High pressure protection		HP switch					
		Compressor protection		Compressor thermo, Over current detection					
		Fan motor protection		Overheating/Voltage protection					
	Guaranteed operation range		(cool)	D.B. 23 to 115°F [D.B. −5 to 46°C] *3 *4					
			(heat)	D.B. −13 to 70°F [D.B. −25 to 21°C]			D.B. −4 to 70°F [D.B. −20 to 21°C]		
REFRIGERANT PIPING	Total Piping length (Max.)		ft (m)	492 (150)					
	Farthest		ft (m)	262 (80)					
	Max. Height difference		ft (m)	164 (50)*5					
	Chargeless length		ft (m)	0					
	Piping diameter	Liquid	inch (mm)	ø3/8 (9.52)					
		Gas	inch (mm)	ø5/8 (15.88)					
	Connection method	Indoor side		Flared					
		Outdoor side		Flared					

*1 Rating conditions
Cooling Indoor : D.B. 80°F/W.B. 67°F [D.B. 26.7°C/W.B. 19.4°C]
Outdoor : D.B. 95°F [D.B. 35.0°C]
Heating Indoor : D.B. 70°F [D.B. 21.1°C]
Outdoor : D.B. 47°F/W.B. 43°F [D.B. 8.3°C/W.B. 6.1°C]

*2 Conditions
Heating Indoor : D.B. 70°F [D.B. 21.1°C]
Outdoor : D.B. 17°F/W.B. 15°F [D.B. −8.3°C/W.B. −9.4°C]

*3 D.B. 5 to 115°F [D.B. −15 to 46°C], when an optional Air Outlet Guide is installed.
*4 When the temperature is below D.B. 50°F [D.B. 10°C], noise could potentially occur.
*5 131 ft [40 m], in the case of installing outdoor unit lower than indoor unit.
Note: Refer to the indoor unit's service manual for the indoor units specifications.

Conversion formula:	kcal/h = kW × 860
	Btu/h = kW × 3412
	CFM = m³/min × 35.31

Service Ref.				MXZ-8C60NA2-U1		
Standard performance	Indoor type			Non-Ducted	Mix	Ducted
	Cooling	Capacity Rated*1	Btu/h	60,000	60,000	60,000
		Rated power consumption*1	W	4,800	5,360	6,000
		EER	Btu/h/W	12.50	11.20	10.00
		SEER	-	19.5	18.2	17.0
	Heating	Capacity Rated 47°F*1	Btu/h	66,000	66,000	66,000
		Capacity 17°F*2	Btu/h	65,000	65,000	65,000
		Capacity 5°F	Btu/h	57,000	57,000	57,000
		Rated power consumption 47°F*1	W	5,530	5,530	5,530
		COP 47°F*1	W/W	3.50	3.50	3.50
		HSPF Ⅳ/Ⅴ	-	10.7/9.0	10.7/9.0	10.7/9.0
OUTDOOR UNIT	Connectable indoor units (Max.)			8		
	Max. Connectable Capacity		Btu/h	78,000		
	Power supply			1 Phase 208/230 V, 60 Hz		
	Breaker Size/Max. fuse size			40 A/45 A (When power is supplied separately) 50 A/55 A (When power is supplied from the outdoor unit)		
	Min. circuit ampacity			36A (When power is supplied separately) 46A (When power is supplied from the outdoor unit)		
	Sound level (Cool/Heat)		dB	58/59		
	External finish			Munsell 3Y 7.8/ 1.1		
	Refrigerant control			Linear Expansion Valve		
	Compressor			Hermetic		
		Model		ANB52FYDMT		
		Motor output	kW	4.2		
		Starting method		Inverter		
	Heat exchanger			Cross fin and tube		
	Fan	Fan (drive) × No.		Propeller fan × 2		
		Fan motor output	kW	0.2 + 0.2		
		Airflow	m³/min (CFM)	138 (4879)		
	Dimensions	Width	inch (mm)	41-11/32 (1050)		
		Depth	inch (mm)	13+1 (330+25)		
		Height	inch (mm)	52-11/16 (1338)		
	Weight		lb (kg)	302 (137)		
	Refrigerant			R410A		
		Charge	lb (kg)	11 lbs. 4 oz.(5.1)		
		Oil volume/Model	oz (L)	78 (2.3)/Ethereal oil (FVC68D)		
	Protection devices	High pressure protection		HP switch		
		Compressor protection		Compressor thermo, Overcurrent detection		
		Fan motor protection		Overheating/Voltage protection		
	Guaranteed operation range		(cool)	D.B 23 to 115°F [D.B.−5 to 46°C] *3 *4		
			(heat)	D.B. −4 to 70°F [D.B. −20 to 21°C]		
REFRIGERANT PIPING	Total Piping length (Max.)		ft (m)	492 (150)		
	Farthest		ft (m)	262 (80)		
	Max. Height difference		ft (m)	164 (50)*5		
	Chargeless length		ft (m)	0		
	Piping diameter	Liquid	inch (mm)	ø3/8 (9.52)		
		Gas	inch (mm)	ø3/4 (19.05)		
	Connection method	Indoor side		Flared		
		Outdoor side		Flared		

*1 Rating conditions
Cooling Indoor : D.B. 80°F/W.B. 67 °F [D.B.26.7°C/W.B. 19.4°C]
Outdoor : D.B. 95°F [D.B. 35.0°C]
Heating Indoor : D.B. 70°F [D.B. 21.1°C]
Outdoor : D.B. 47°F/W.B. 43°F [D.B. 8.3°C/W.B. 6.1°C]

*2 Conditions
Heating Indoor : D.B. 70°F [D.B. 21.1°C]
Outdoor : D.B. 17°F/W.B. 15°F [D.B. −8.3°C/W.B. −9.4°C]

*3 D.B. 5 to 115°F [D.B. −15 to 46°C], when an optional Air Outlet Guide is installed.
*4 When the temperature is below D.B. 50°F [D.B. 10°C], noise could potentially occur.
*5 131 ft [40 m], in the case of installing outdoor unit lower than indoor unit.
Note: Refer to the indoor unit's service manual for the indoor units specifications.

Conversion formula:	kcal/h = kW × 860
	Btu/h = kW × 3412
	CFM = m³/min × 35.31

BRANCH BOX

Model name				PAC-MKA52BC	PAC-MKA32BC
Connectable number of indoor units				Maximum 5	Maximum 3
Power supply				Single phase, 208/230 V, 60 Hz	
Input			kW	0.003	
Running current			A	0.05	
External finish				Galvanized sheets	
Dimensions	Width		inch (mm)	17-23/32 (450)	
	Depth		inch (mm)	11-1/32 (280)	
	Height		inch (mm)	6-11/16 (170)	
Weight			lb (kg)	16 (7.4)	15 (6.7)
Piping connection (Flare)	Branch (indoor side)*	Liquid	inch (mm)	ø1/4 (6.35) × 5 {A,B,C,D,E}	ø1/4 (6.35) × 3 {A,B,C}
		Gas	inch (mm)	ø3/8 (9.52) × 4 {A,B,C,D}, ø1/2 (12.7) × 1{E}	ø3/8 (9.52) × 3 {A,B,C}
	Main (outdoor side)	Liquid	inch (mm)	ø3/8 (9.52)	
		Gas	inch (mm)	ø5/8 (15.88)	

*The piping connection size differs according to the type and capacity of indoor units. Match the piping connection size for indoor and branch box. If the piping connection size of branch box does not match the piping connection size of indoor units, use optional different-diameter (deformed) joints to the branch box side. (Connect deformed joint directly to the branch box side.)

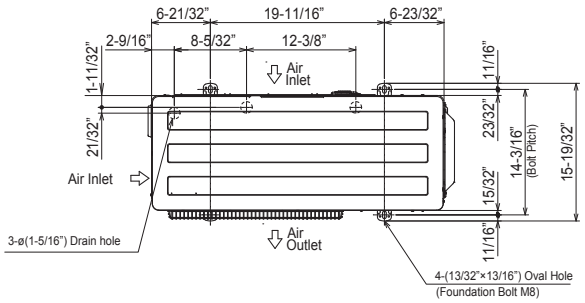
A.9.2 OUTLINES AND DIMENSIONS

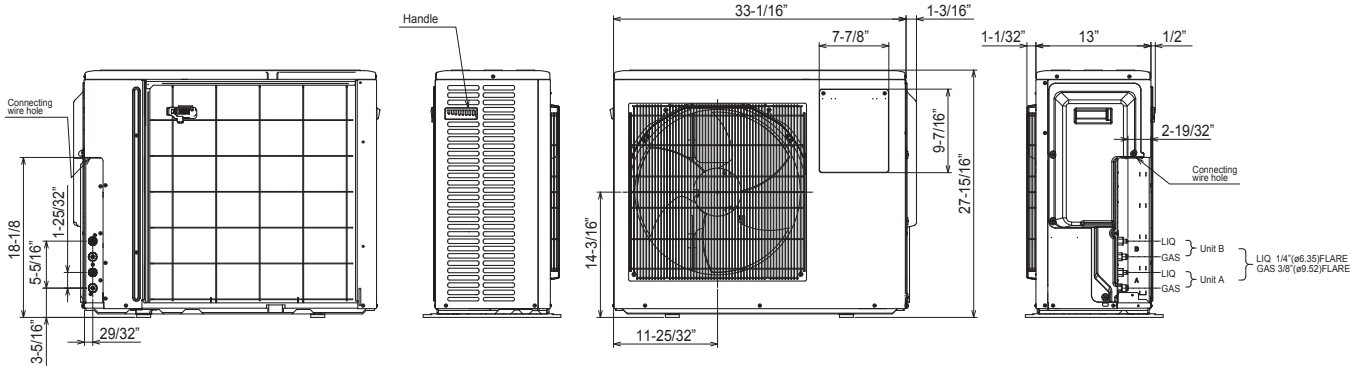
A.9.2.1 Inverter Heat Pump

Unit: inch(mm)

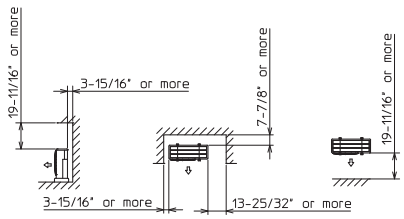
MXZ-2C20NA2-U1

OUTDOOR UNIT

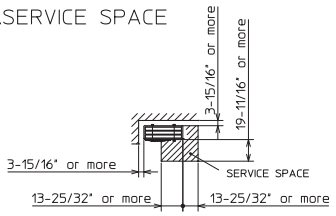


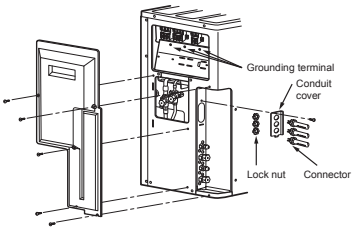


1.FREE SPACE



2.SERVICE SPACE

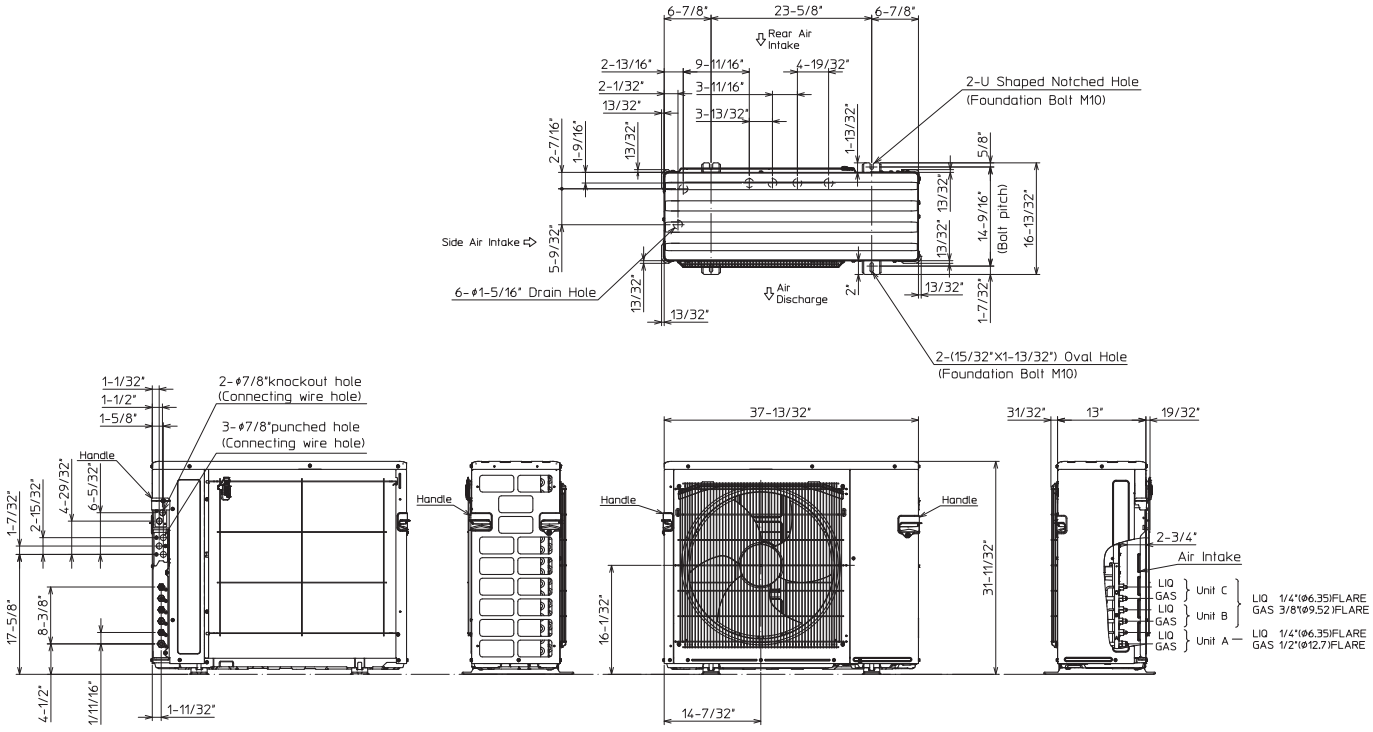




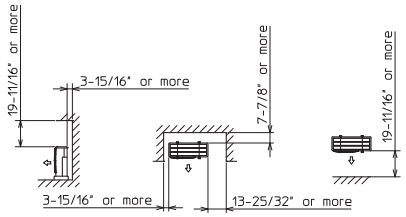
Unit: inch(mm)

MXZ-3C24NA2-U1 MXZ-3C30NA2-U1

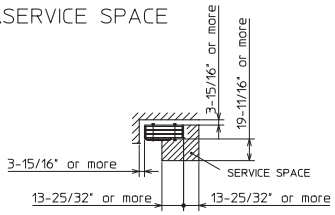
OUTDOOR UNIT

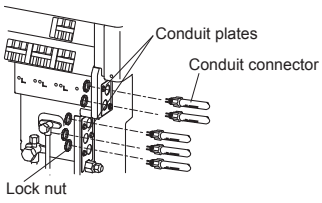


1.FREE SPACE



2.SERVICE SPACE

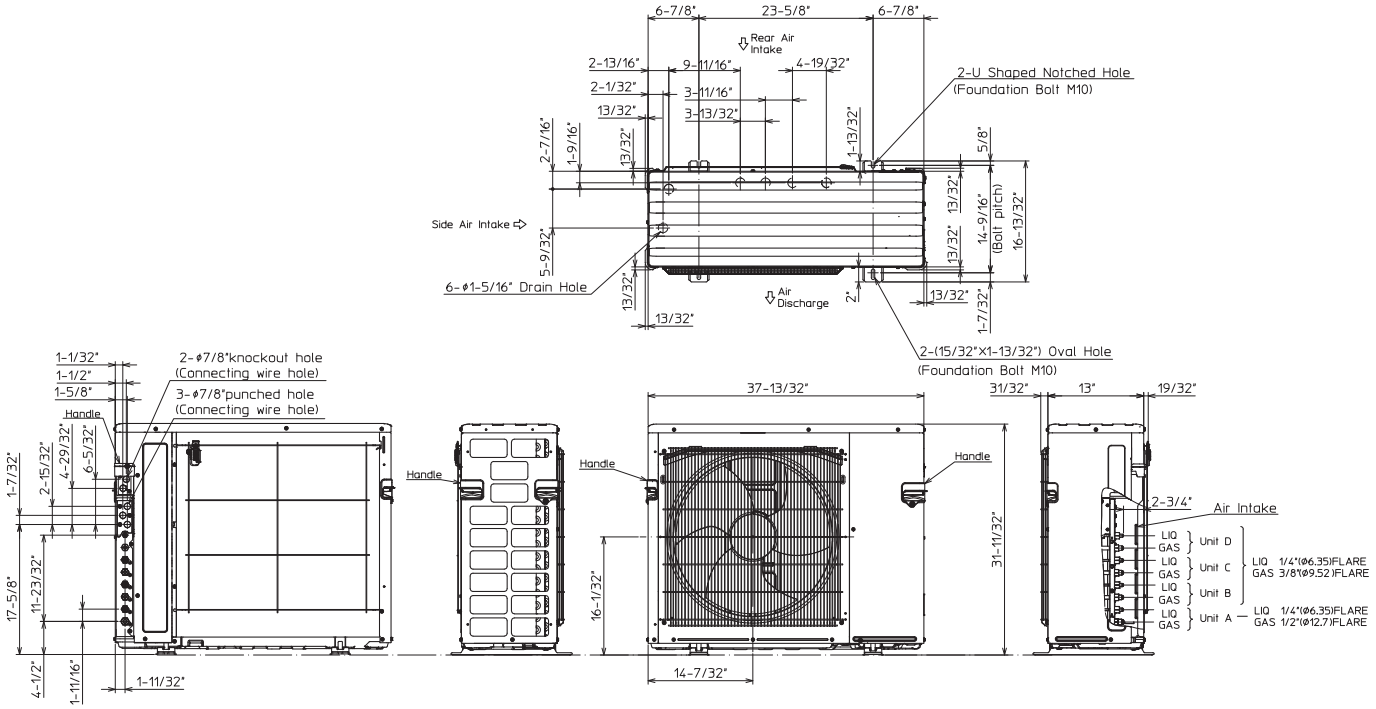




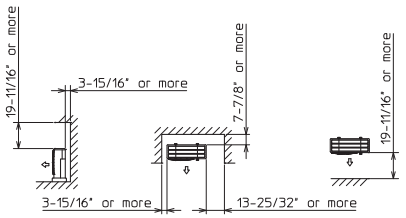
Unit: inch(mm)

MXZ-4C36NA2-U1

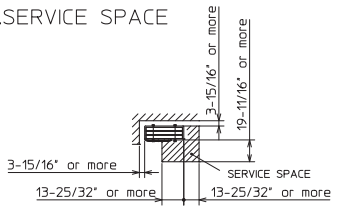
OUTDOOR UNIT

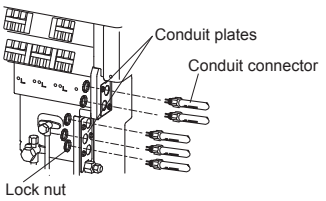


1.FREE SPACE



2.SERVICE SPACE

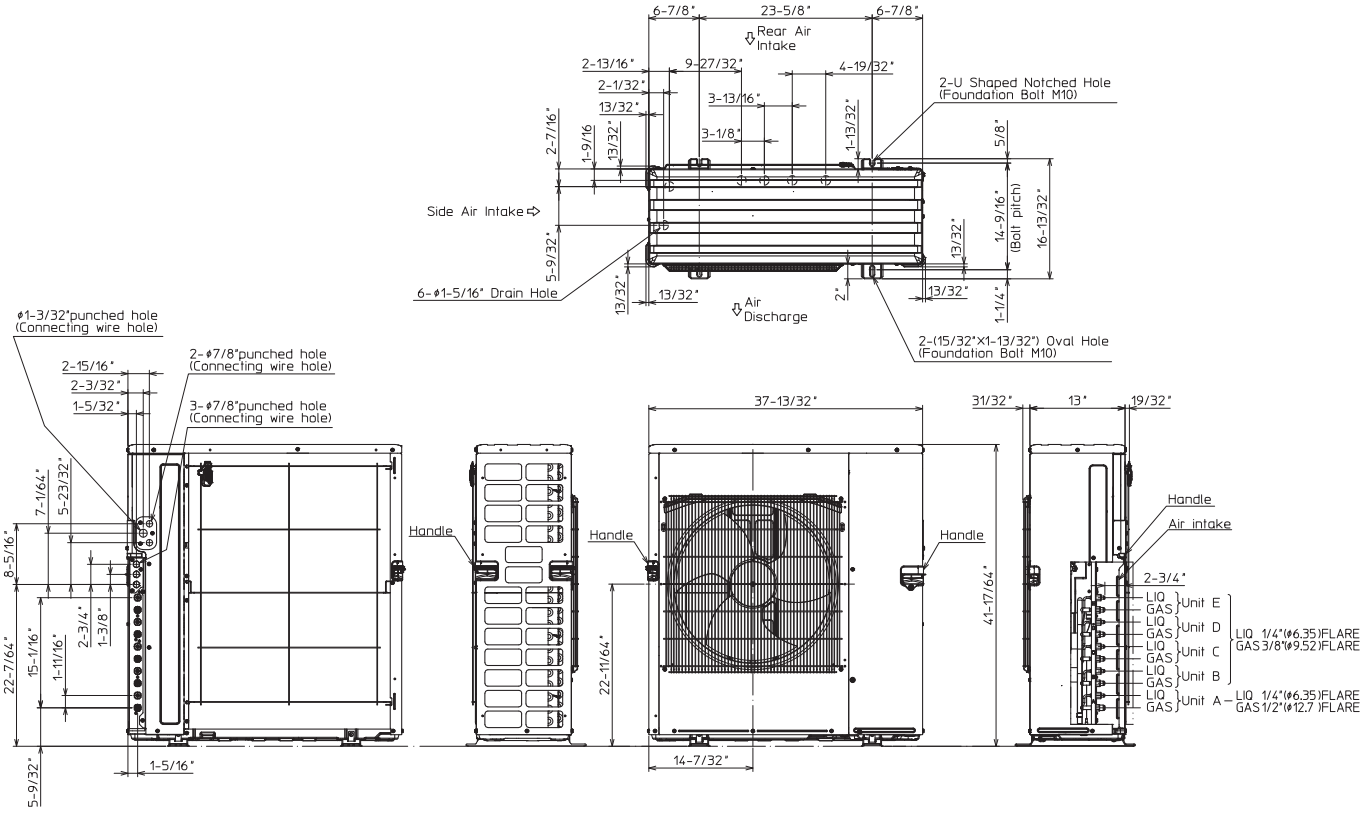




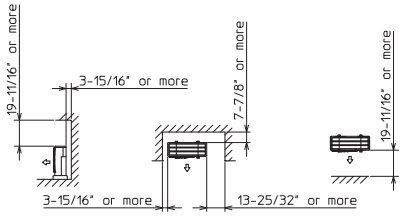
Unit: inch(mm)

MXZ-5C42NA2-U1

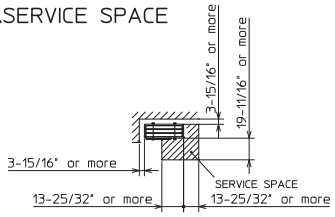
OUTDOOR UNIT

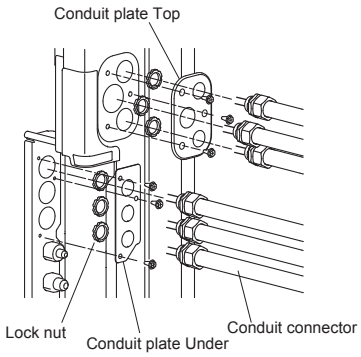


1.FREE SPACE



2.SERVICE SPACE

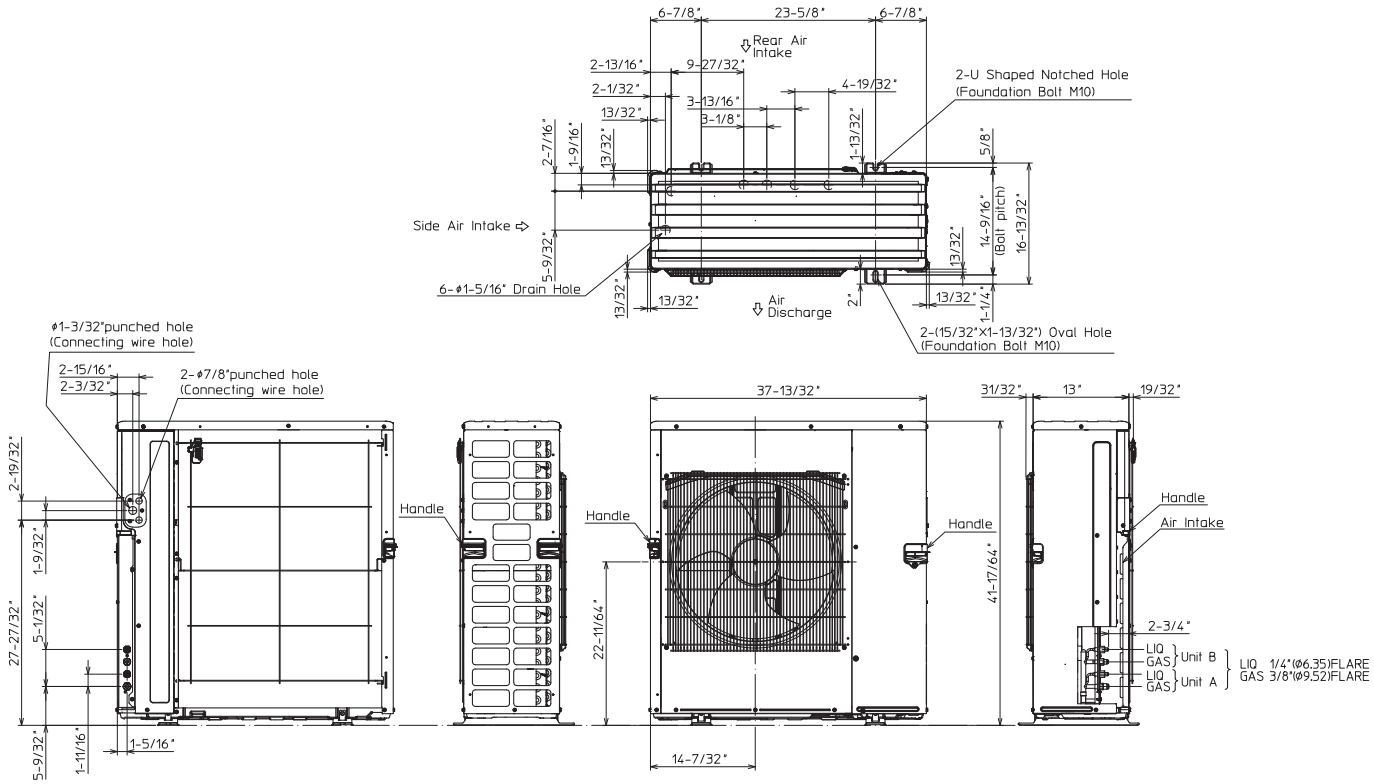




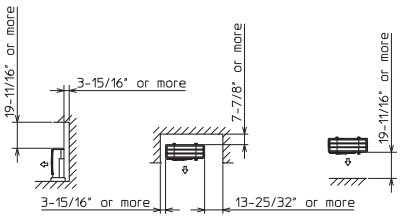
Unit: inch(mm)

MXZ-2C20NAHZ2-U1

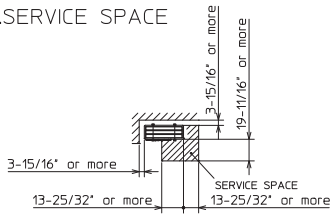
OUTDOOR UNIT

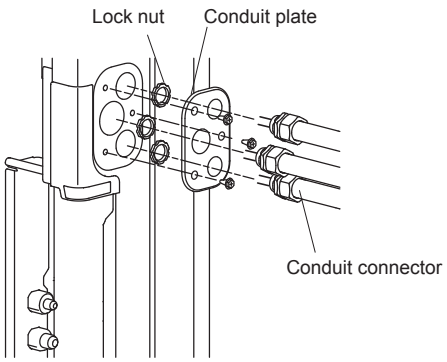


1.FREE SPACE



2.SERVICE SPACE

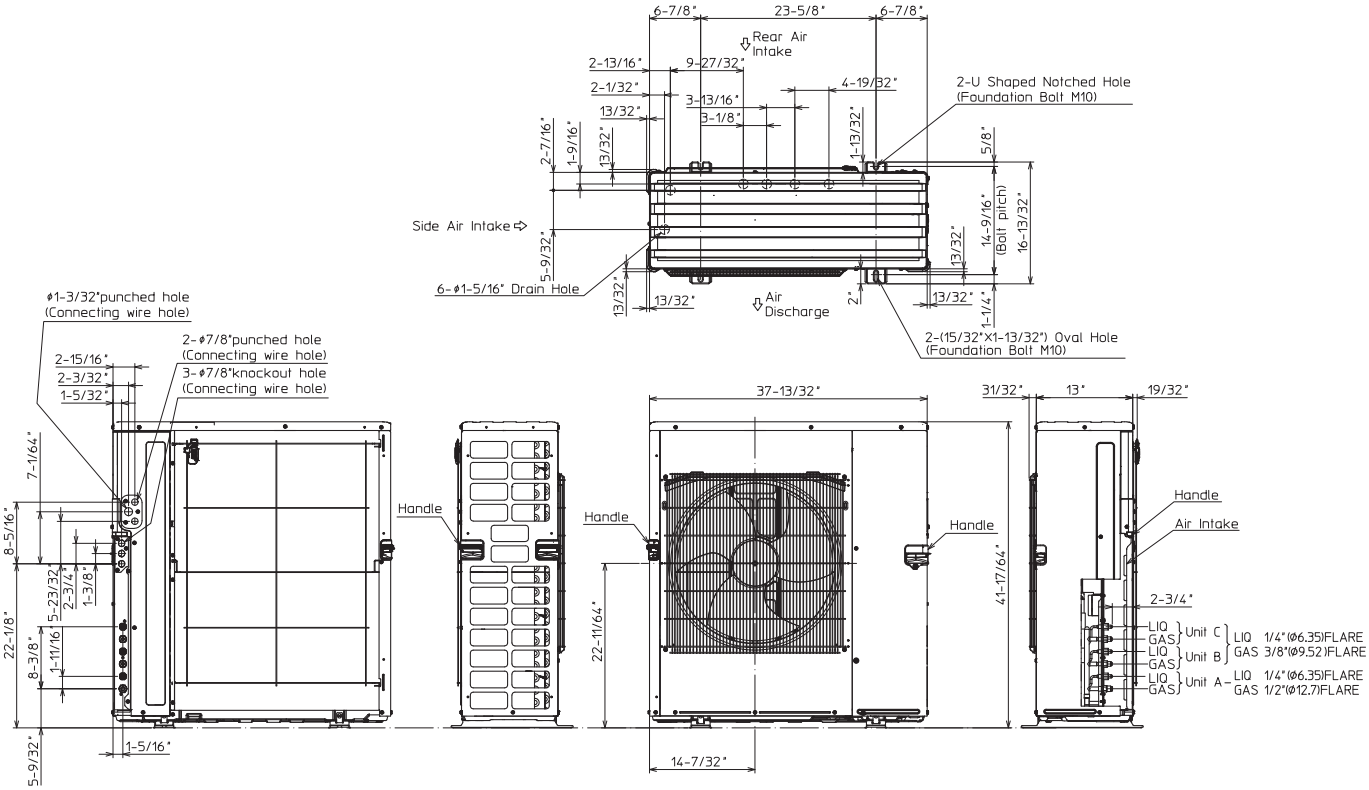




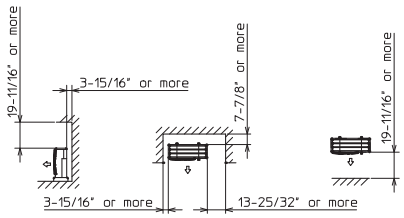
Unit: inch(mm)

MXZ-3C24NAHZ2-U1 MXZ-3C30NAHZ2-U1

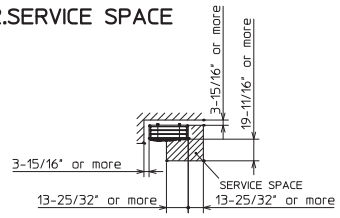
OUTDOOR UNIT

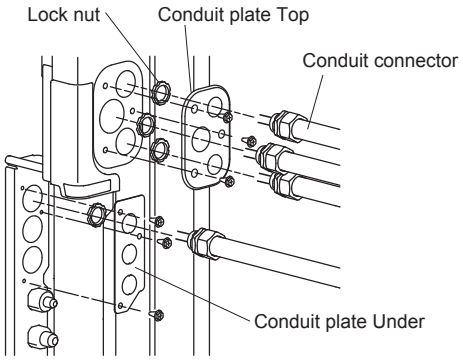


1.FREE SPACE



2.SERVICE SPACE

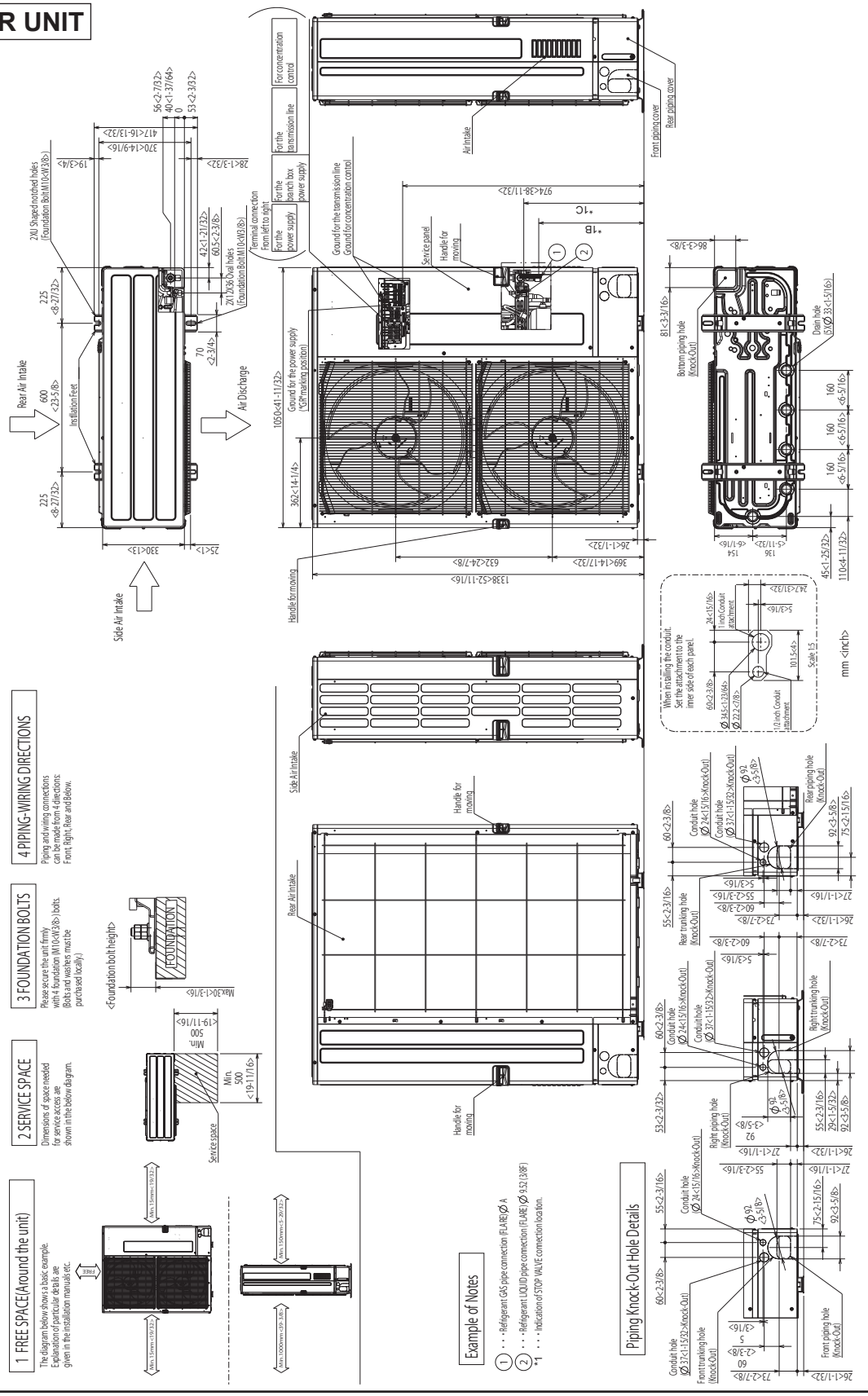




Unit: mm<Inch>

MXZ-8C48NA2-U1 MXZ-8C60NA2-U1
MXZ-4C36NAHZ2-U1 MXZ-5C42NAHZ2-U1 MXZ-8C48NAHZ2-U1

OUTDOOR UNIT



Unit: mm<Inch>

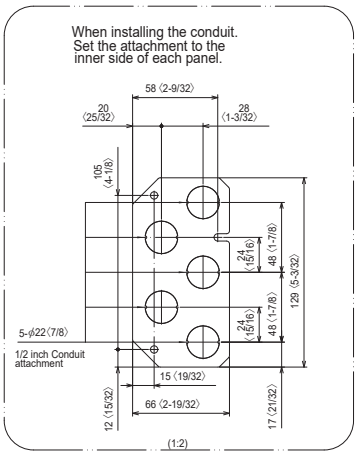
PAC-MKA52BC

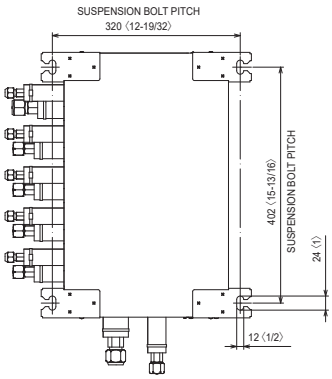
BRANCH BOX

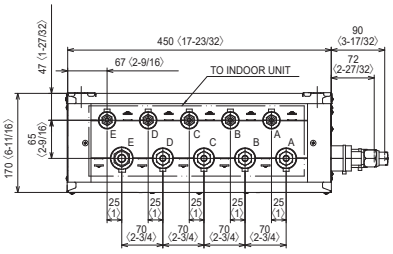
SUSPENSION BOLT: W3/8(M10)

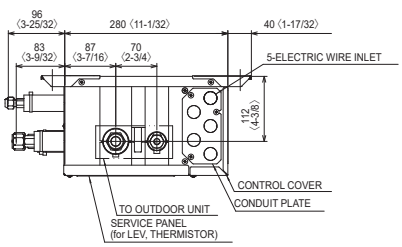
REFRIGERANT PIPE FLARED CONNECTION Unit: inch

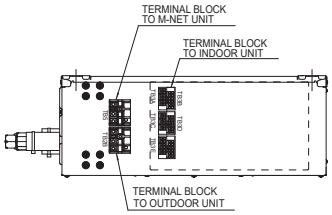
	A	B	C	D	E	TO OUTDOOR UNIT
LIQUID PIPE	1/4F	1/4F	1/4F	1/4F	1/4F	3/8F
GAS PIPE	3/8F	3/8F	3/8F	3/8F	1/2F	5/8F









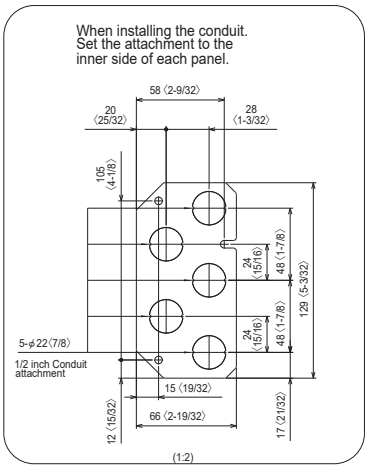


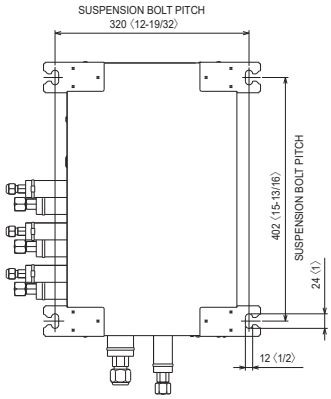
PAC-MKA32BC

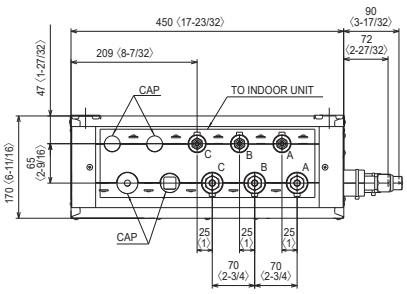
SUSPENSION BOLT: W3/8(M10)

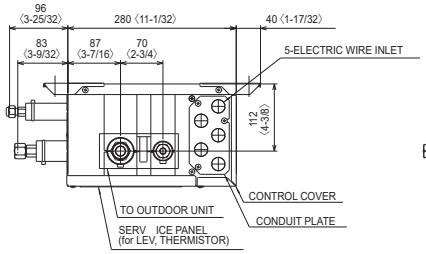
REFRIGERANT PIPE FLARED CONNECTION Unit: inch

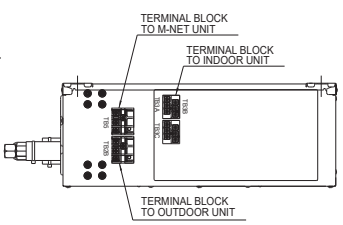
	A	B	C			TO OUTDOOR UNIT
LIQUID PIPE	1/4F	1/4F	1/4F			3/8F
GAS PIPE	3/8F	3/8F	3/8F			5/8F









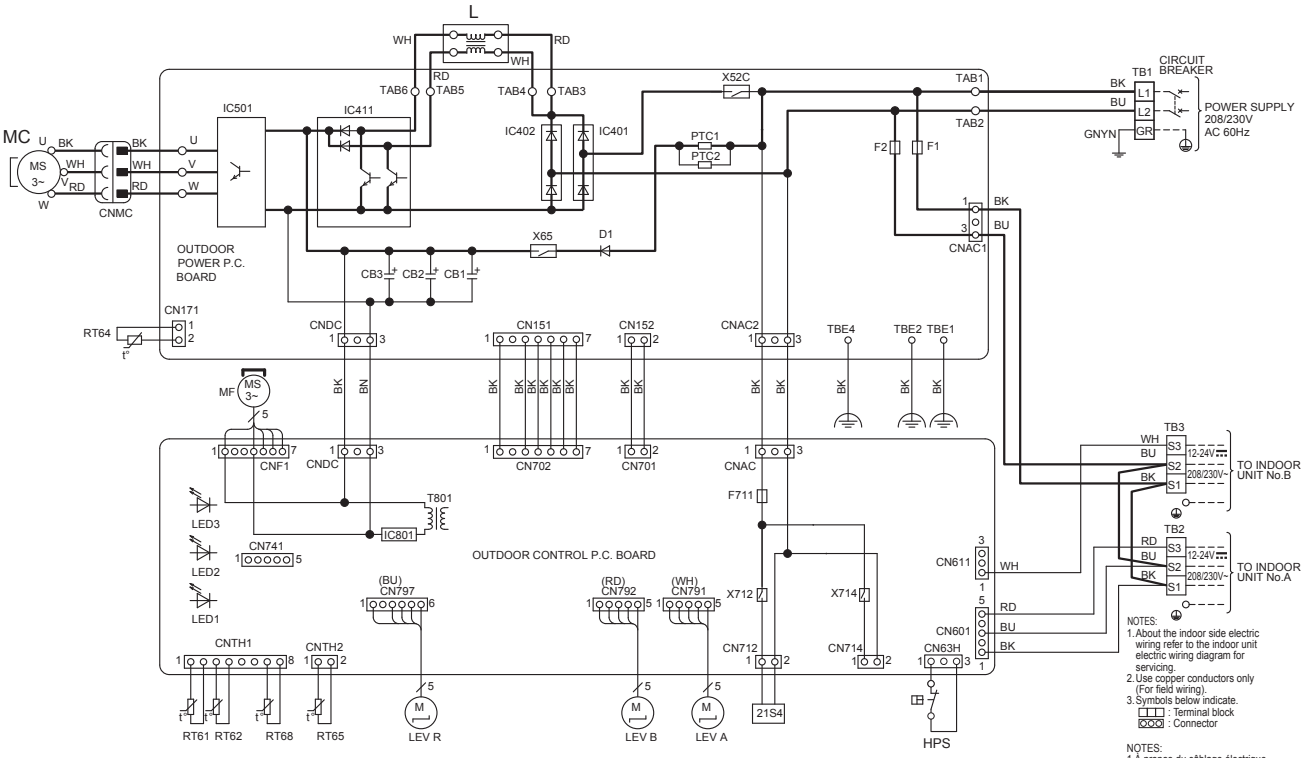


A.9.3 WIRING DIAGRAM

A.9.3.1 Inverter Heat Pump

MXZ-2C20NA2-U1

OUTDOOR UNIT



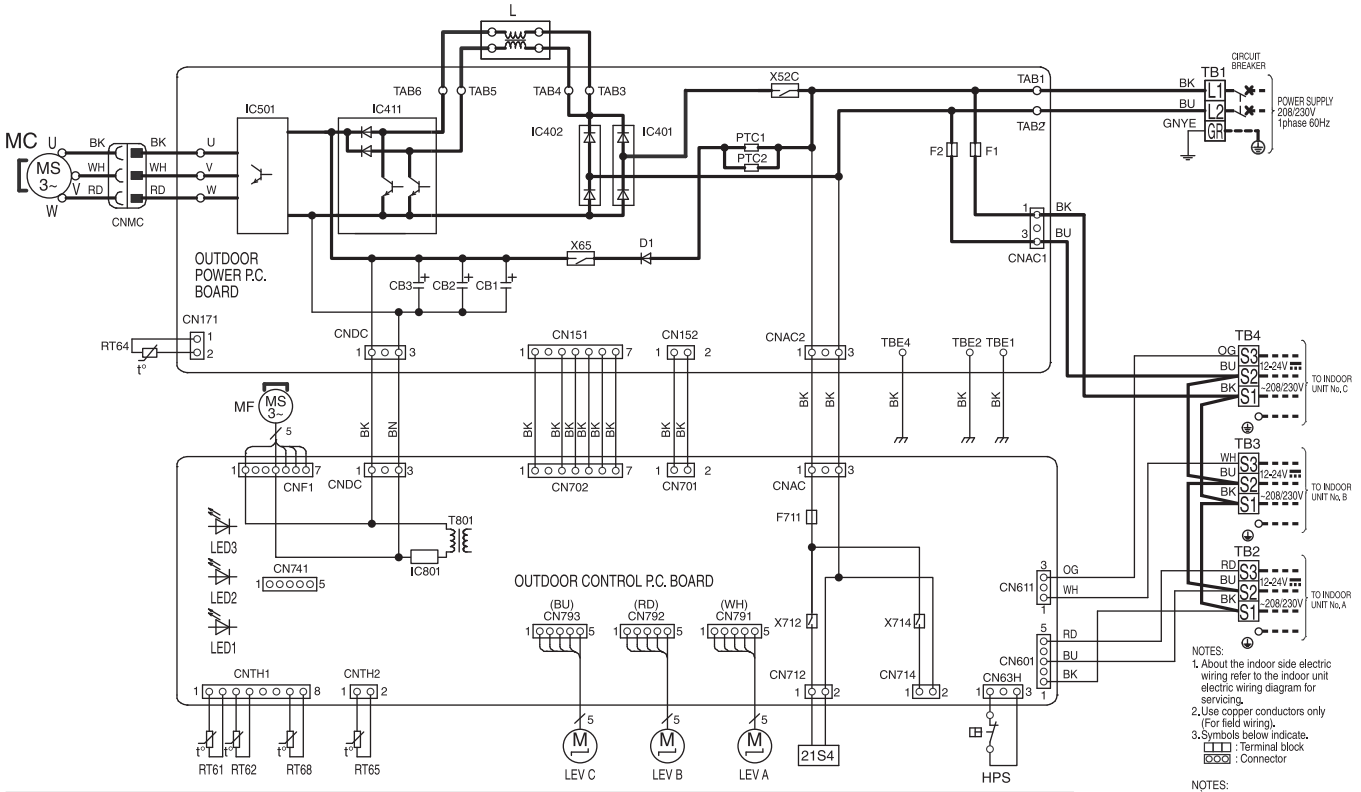
NOTES:
1. About the indoor side electric wiring refer to the indoor unit electric wiring diagram for servicing.
2. Use copper conductors only (For field wiring).
3. Symbols below indicate.
: Terminal block
: Connector

NOTES:
1. À propos du câblage électrique de côté intérieur se référer à l'unité intérieure câblage schéma électrique pour l'entretien.
2. Utiliser des conducteurs en cuivre (Pour le câblage).
3. Symbole ci-dessous indique.
:Bornier
:Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	IC401, 402	DIODE BRIDGE	LEV A, B, R	EXPANSION VALVE COIL	RT64	FIN TEMP. THERMISTOR	X52C	RELAY
D1	DIODE	IC411	POWER FACTOR CONTROLLER	MC	COMPRESSOR	RT65	AMBIENT TEMP. THERMISTOR	X65	RELAY
F1	FUSE (T6.3AL250V)	IC501	POWER MODULE	MF	FAN MOTOR	RT68	OUTDOOR HEAT EXCHANGER	X712	RELAY
F2	FUSE (T6.3AL250V)	IC801	POWER DEVICE	PTC1, 2	CIRCUIT PROTECTION		TEMPERATURE THERMISTOR	X714	RELAY
F711	FUSE (T3.15AL250V)	L	REACTOR	RT61	DEFROST THERMISTOR	T801	TRANSFORMER	21S4	REVERSING VALVE
HPS	HIGH PRESSURE SWITCH	LED1~3	LED	RT62	DISCHARGE TEMP. THERMISTOR	TB1~3	TERMINAL BLOCK		SOLENOID COIL

MXZ-3C24NA2-U1 MXZ-3C30NA2-U1

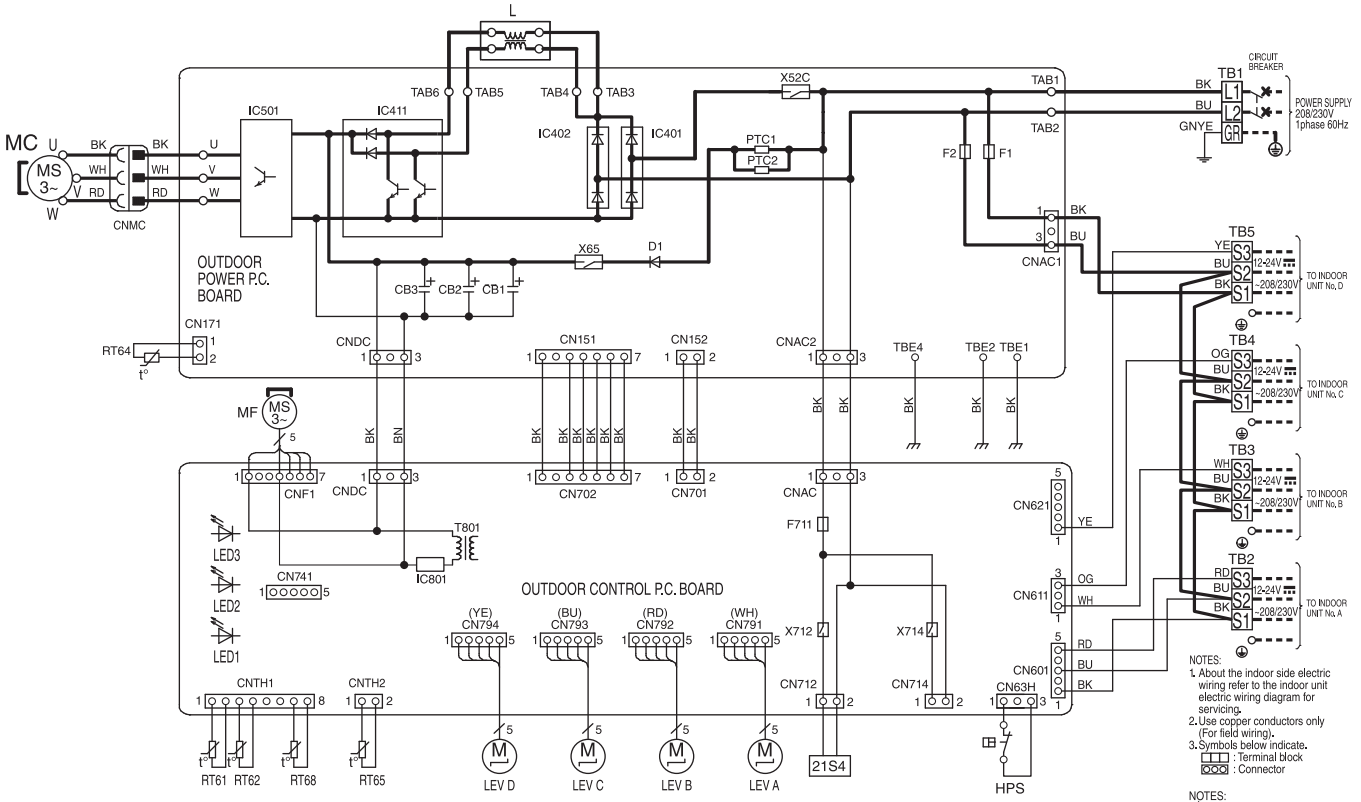
OUTDOOR UNIT



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	IC401, 402	DIODE BRIDGE	LEV A~C	EXPANSION VALVE COIL	RT64	FIN TEMP. THERMISTOR	X52C	RELAY
D1	DIODE	IC411	POWER FACTOR CONTROLLER	MC	COMPRESSOR	RT65	AMBIENT TEMP. THERMISTOR	X65	RELAY
F1	FUSE (T6.3AL 250V)	IC501	POWER MODULE	MF	FAN MOTOR	RT68	OUTDOOR HEAT EXCHANGER TEMPERATURE THERMISTOR	X712	RELAY
F2	FUSE (T6.3AL 250V)	IC801	POWER DEVICE	PTC1, 2	CIRCUIT PROTECTION			X714	RELAY
F711	FUSE (T3.15AL 250V)	L	REACTOR	RT61	DEFROST THERMISTOR	T801	TRANSFORMER	21S4	REVERSING VALVE SOLENOID COIL
HPS	HIGH PRESSURE SWITCH	LED1~3	LED	RT62	DISCHARGE TEMP. THERMISTOR	TB1~4	TERMINAL BLOCK		

MXZ-4C36NA2-U1

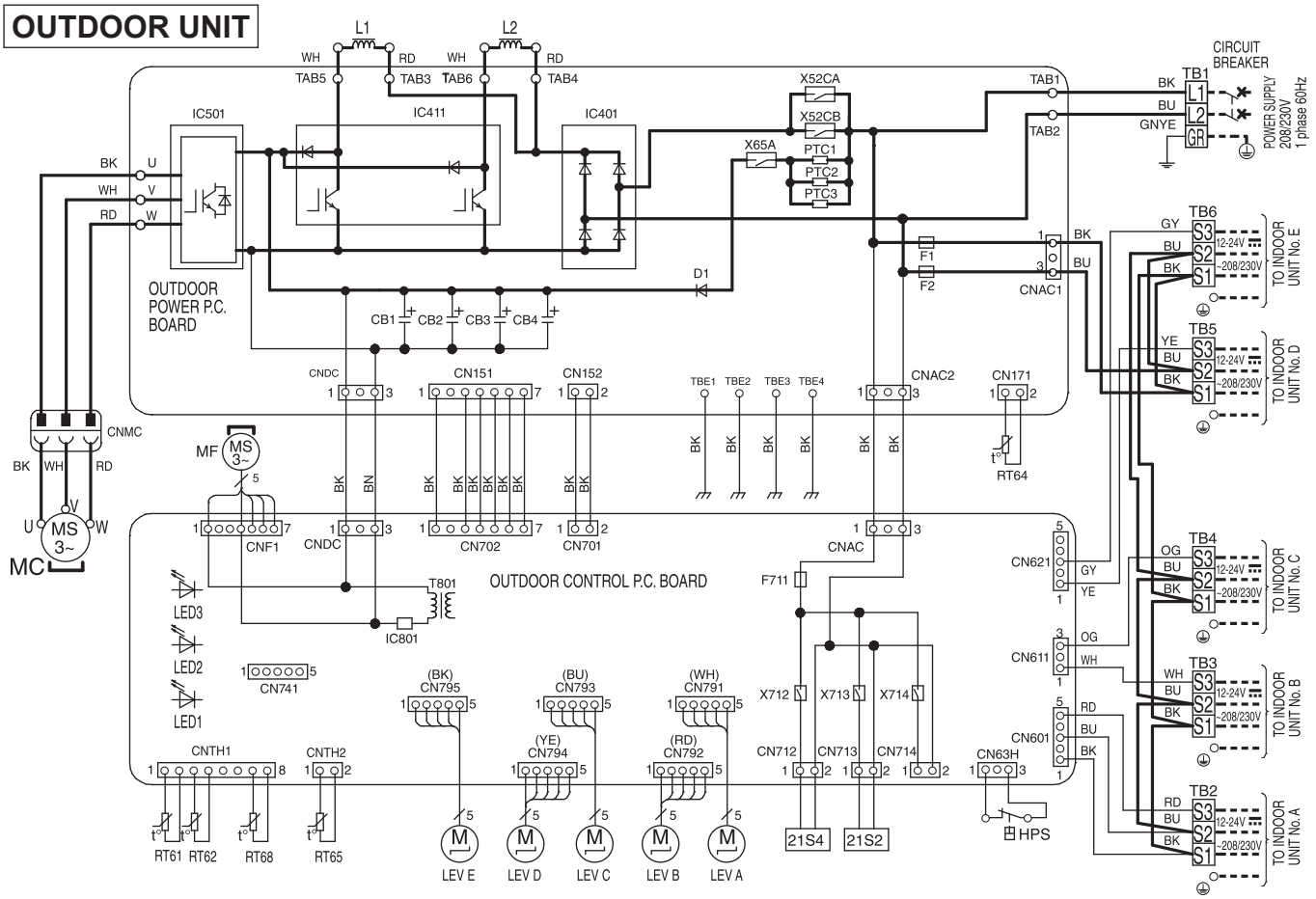
OUTDOOR UNIT



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	IC401, 402	DIODE BRIDGE	LEV A~D	EXPANSION VALVE COIL	RT64	FIN TEMP. THERMISTOR	X52C	RELAY
D1	DIODE	IC411	POWER FACTOR CONTROLLER	MC	COMPRESSOR	RT65	AMBIENT TEMP. THERMISTOR	X65	RELAY
F1	FUSE (T6.3AL 250V)	IC501	POWER MODULE	MF	FAN MOTOR	RT68	OUTDOOR HEAT EXCHANGER TEMPERATURE THERMISTOR	X712	RELAY
F2	FUSE (T6.3AL 250V)	IC801	POWER DEVICE	PTC1, 2	CIRCUIT PROTECTION			X714	RELAY
F711	FUSE (T3.15AL 250V)	L	REACTOR	RT61	DEFROST THERMISTOR	T801	TRANSFORMER	21S4	REVERSING VALVE SOLENOID COIL
HPS	HIGH PRESSURE SWITCH	LED1~3	LED	RT62	DISCHARGE TEMP. THERMISTOR	TB1~5	TERMINAL BLOCK		

MXZ-5C42NA2-U1

OUTDOOR UNIT



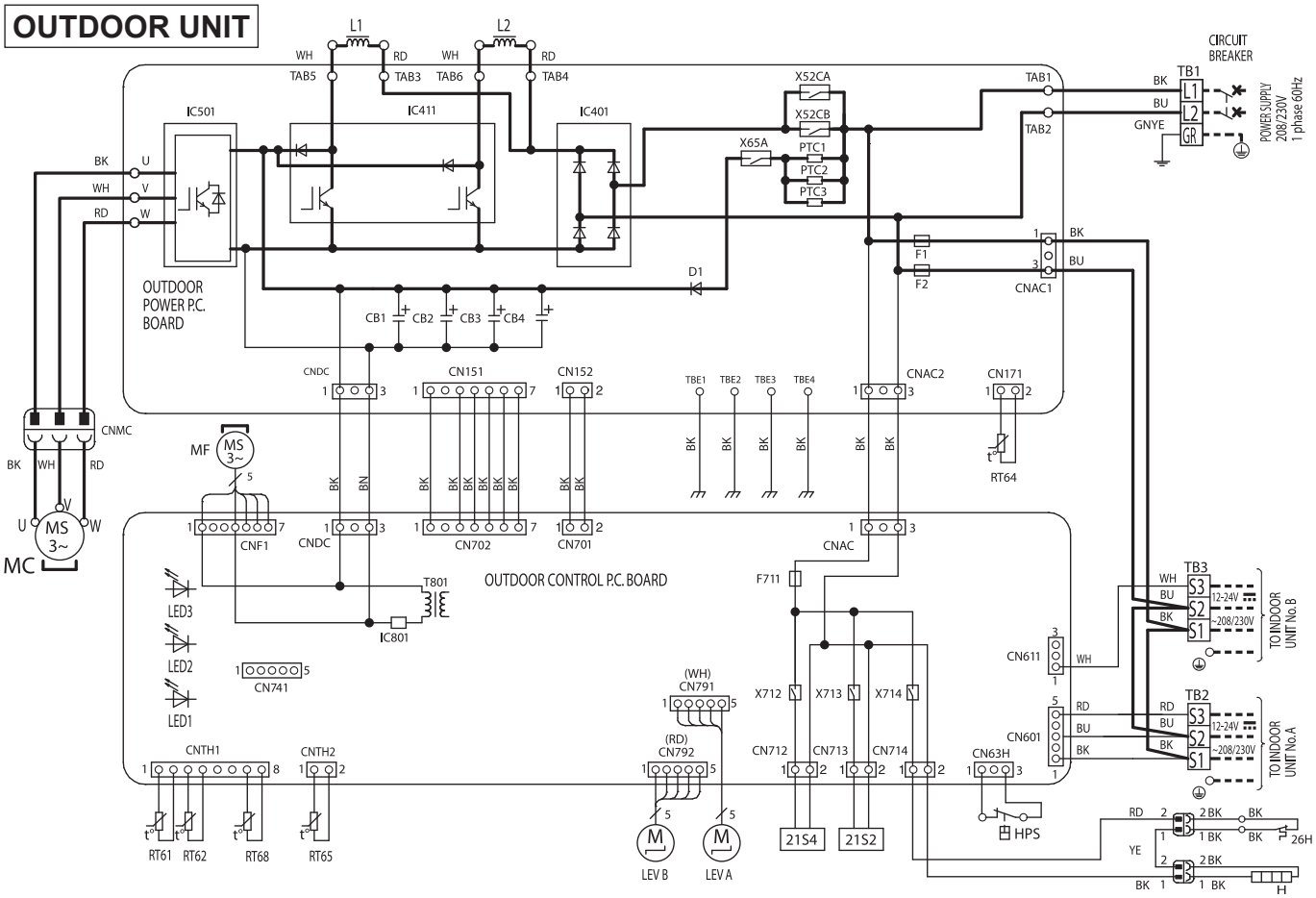
SYMBOL	NAME	SYMBOL	NAME
CB1~4	SMOOTHING CAPACITOR	RT62	DISCHARGE TEMP. THERMISTOR
D1	DIODE	RT64	FIN TEMP. THERMISTOR
F1, F2	FUSE (T6.3AL 250V)	RT65	AMBIENT TEMP. THERMISTOR
F711	FUSE (T3.15AL 250V)	RT68	OUTDOOR HEAT EXCHANGER TEMPERATURE THERMISTOR
HPS	HIGH PRESSURE SWITCH		
IC401	DIODE BRIDGE	T801	TRANSFORMER
IC411	POWER MODULE	TB1~6	TERMINAL BLOCK
IC501	POWER MODULE	X52CA, B	RELAY
IC801	POWER DEVICE	X65A	RELAY
L1, L2	REACTOR	X712	RELAY
LED 1~3	LED	X713	RELAY
LEV A~E	EXPANSION VALVE COIL	X714	RELAY
MC	COMPRESSOR	21S2	2WAY VALVE SOLENOID COIL
MF	FAN MOTOR	21S4	REVERSING VALVE SOLENOID COIL
PTC1~3	CIRCUIT PROTECTION		
RT61	DEFROST THERMISTOR		

NOTES:
1. About the indoor side electric wiring refer to the indoor unit electric wiring diagram for servicing.
2. Use copper conductors only (For field wiring).
3. Symbols below indicate.
   □□□ : Terminal block
   ⊡⊡⊡ : Connector

NOTES:
1. À propos du câblage électrique de côté intérieur se référer à l'unité intérieure câblage schéma électrique pour l'entretien.
2. Utiliser des conducteurs en cuivre (pour le câblage).
3. Symbole ci-dessous indique.
   □□□: Bornier
   ⊡⊡⊡: Connecteur

MXZ-2C20NAHZ2-U1

OUTDOOR UNIT



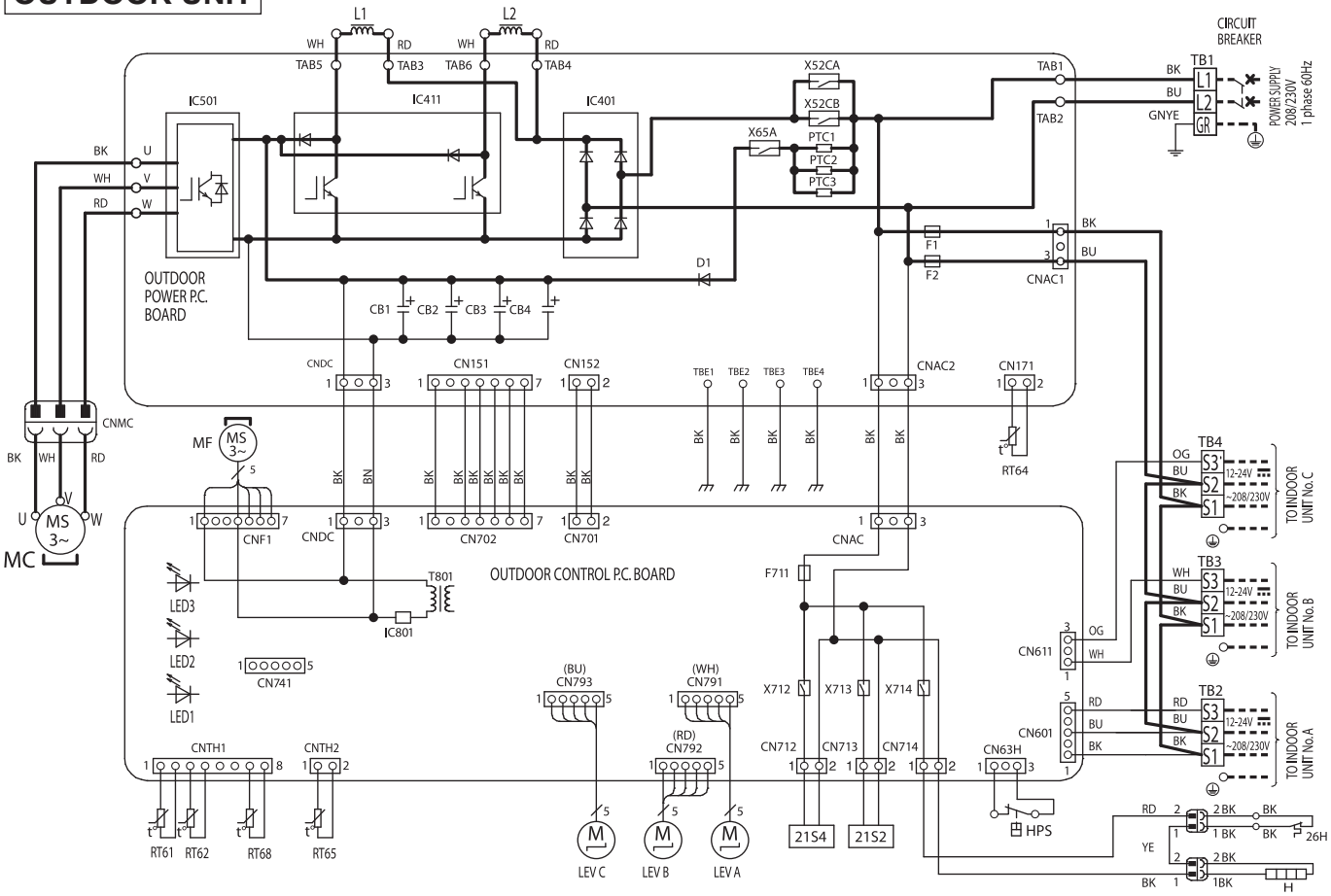
SYMBOL	NAME	SYMBOL	NAME
CB1~4	SMOOTHING CAPACITOR	RT61	DEFROST THERMISTOR
D1	DIODE	RT62	DISCHARGE TEMP. THERMISTOR
F1, F2	FUSE (T6.3AL 250V)	RT64	FIN TEMP. THERMISTOR
F711	FUSE (T3.15AL 250V)	RT65	AMBIENT TEMP. THERMISTOR
HPS	HIGH PRESSURE SWITCH	RT 68	OUTDOOR HEAT EXCHANGER
H	DEFROST HEATER		TEMPERATURE THERMISTOR
IC401	DIODE BRIDGE	T801	TRANSFORMER
IC411	POWER MODULE	TB1~3	TERMINAL BLOCK
IC501	POWER MODULE	X52CA, B	RELAY
IC801	POWER DEVICE	X65A	RELAY
L1, L2	REACTOR	X712	RELAY
LED 1~3	LED	X713	RELAY
LEV A, B	EXPANSION VALVE COIL	X714	RELAY
MC	COMPRESSOR	21S2	2WAY VALVE SOLENOID COIL
MF	FAN MOTOR	21S4	REVERSING VALVE SOLENOID COIL
PTC1~3	CIRCUIT PROTECTION	26H	HEATER PROTECTOR

NOTES:
1. About the indoor side electric wiring refer to the indoor unit electric wiring diagram for servicing.
2. Use copper conductors only (For field wiring).
3. Symbols below indicate.
   : Terminal block
   : Connector

NOTES:
1. À propos du câblage électrique de côté intérieur se référer à l'unité intérieure câblage schéma électrique pour l'entretien.
2. Utiliser des conducteurs en cuivre (pour le câblage).
3. Symbole ci-dessous indique.
   : Bornier
   : Connecteur

MXZ-3C24NAHZ2-U1 MXZ-3C30NAHZ2-U1

OUTDOOR UNIT



SYMBOL	NAME	SYMBOL	NAME
CB1~4	SMOOTHING CAPACITOR	RT61	DEFROST THERMISTOR
D1	DIODE	RT62	DISCHARGE TEMP. THERMISTOR
F1, F2	FUSE (T6.3AL 250V)	RT64	FIN TEMP. THERMISTOR
F711	FUSE (T3.15AL 250V)	RT65	AMBIENT TEMP. THERMISTOR
HPS	HIGH PRESSURE SWITCH	RT68	OUTDOOR HEAT EXCHANGER TEMPERATURE THERMISTOR
H	DEFROST HEATER		
IC401	DIODE BRIDGE	T801	TRANSFORMER
IC411	POWER MODULE	TB1~4	TERMINAL BLOCK
IC501	POWER MODULE	X52CA, B	RELAY
IC801	POWER DEVICE	X65A	RELAY
L1, L2	REACTOR	X712	RELAY
LED 1~3	LED	X713	RELAY
LEV A~C	EXPANSION VALVE COIL	X714	RELAY
MC	COMPRESSOR	21S2	2WAY VALVE SOLENOID COIL
MF	FAN MOTOR	21S4	REVERSING VALVE SOLENOID COIL
PTC1~3	CIRCUIT PROTECTION	26H	HEATER PROTECTOR

NOTES:
1. About the indoor side electric wiring refer to the indoor unit electric wiring diagram for servicing.
2. Use copper conductors only (For field wiring).
3. Symbols below indicate.
   □□□ : Terminal block
   ⊏⊐⊐ : Connector

NOTES:
1. À propos du câblage électrique de côté intérieur se référer à l'unité intérieure câblage schéma électrique pour l'entretien.
2. Utiliser des conducteurs en cuivre (pour le câblage).
3. Symbole ci-dessous indique.
   □□□ : Bornier
   ⊏⊐⊐ : Connecteur

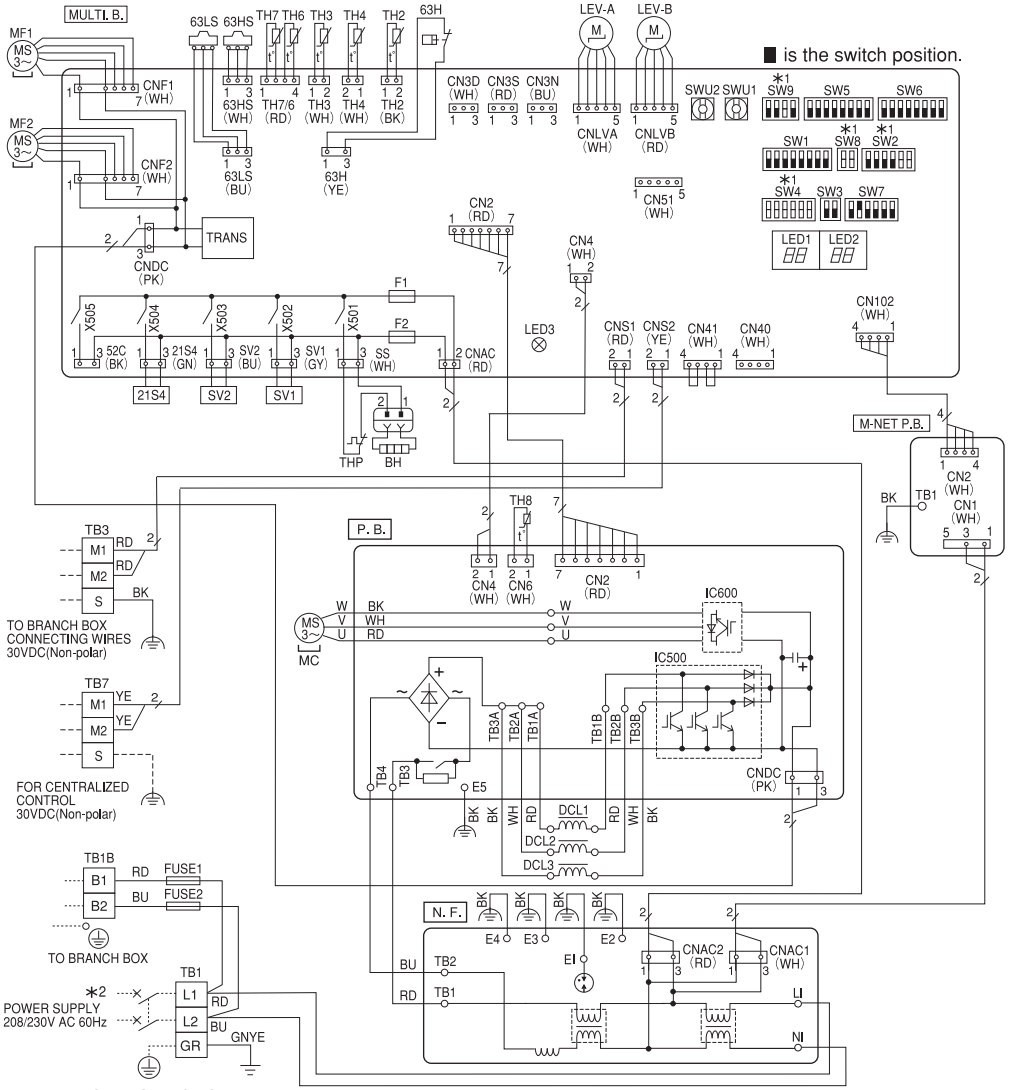
MXZ-4C36NAHZ2-U1 MXZ-5C42NAHZ2-U1 MXZ-8C48NAHZ2-U1

OUTDOOR UNIT

SYMBOL	NAME
TB1	Terminal Block 〈Power Supply〉
TB1B	Terminal Block 〈Branch Box〉
TB3	Terminal Block 〈Branch Box/Outdoor Transmission Line〉
TB7	Terminal Block 〈Centralized Control Transmission Line〉
FUSE1, FUSE2	Fuse 〈T20A L250V〉
MC	Motor for Compressor
MF1, MF2	Fan Motor
21S4	Solenoid Valve Coil 〈4-Way Valve〉
63H	High Pressure Switch
63HS	High Pressure Sensor
63LS	Low Pressure Sensor
SV1	Solenoid Valve Coil 〈Bypass Valve〉
SV2	Solenoid Valve Coil 〈Switching Valve〉
BH	Base Heater
THP	Thermal Protector
TH2	Thermistor 〈Hic Pipe〉
TH3	Thermistor 〈Outdoor Liquid Pipe〉
TH4	Thermistor 〈Compressor〉
TH6	Thermistor 〈Suction Pipe〉

SYMBOL	NAME
TH7	Thermistor 〈Ambient〉
TH8	Thermistor 〈Heat Sink〉
LEV-A, LEV-B	Linear Expansion Valve
DCL1, DCL2, DCL3	Reactor
N.F.	Noise Filter Board
LI	Connection Terminal 〈L1-Phase〉
NI	Connection Terminal 〈L2-Phase〉
TB1, TB2	ConnectionTerminal 〈Power Circuit Board〉
EI, E2, E3, E4	ConnectionTerminal 〈Electrical Parts Box〉
P.B.	Power Circuit Board
TB3, TB4	ConnectionTerminal 〈Noise Filter Board〉
U/V/W	Connection Terminal 〈U/V/W-Phase〉
TB1A, TB2A, TB3A TB1B, TB2B, TB3B	Connection Terminal 〈Reactor〉
E5	ConnectionTerminal 〈Electrical Parts Box〉
IC500	Converter
IC600	Inverter
MULTI.B.	Multi Controller Circuit Board
SW1	Switch 〈Display Selection〉
SW2	Switch 〈Function/Model Selection〉
SW3	Switch 〈Test Run〉

SYMBOL	NAME
SW4	Switch 〈Model Selection〉
SW5	Switch 〈Function Selection〉
SW6	Switch 〈Function Selection〉
SW7	Switch 〈Function Selection〉
SW8	Switch 〈Model Selection〉
SW9	Switch 〈Function/Model Selection〉
SWU1	Switch 〈Unit Address Selection, ones digit〉
SWU2	Switch 〈Unit Address Selection, tens digit〉
SS	Connector 〈Connection for Option〉
CN3D	Connector 〈Connection for Option〉
CN3S	Connector 〈Connection for Option〉
CN3N	Connector 〈Connection for Option〉
CN51	Connector 〈Connection for Option〉
LED1, LED2	LED 〈Operation Inspection Display〉
LED3	LED 〈Power Supply to Main Microcomputer〉
F1, F2	Fuse 〈T6.3A L250V〉
X501～X505	Relay
M-NET P.B.	M-NET Power Circuit Board
TB1	ConnectionTerminal 〈Electrical Parts Box〉



∗1 MODEL SELECTION
The black square (■) indicates a switch position.

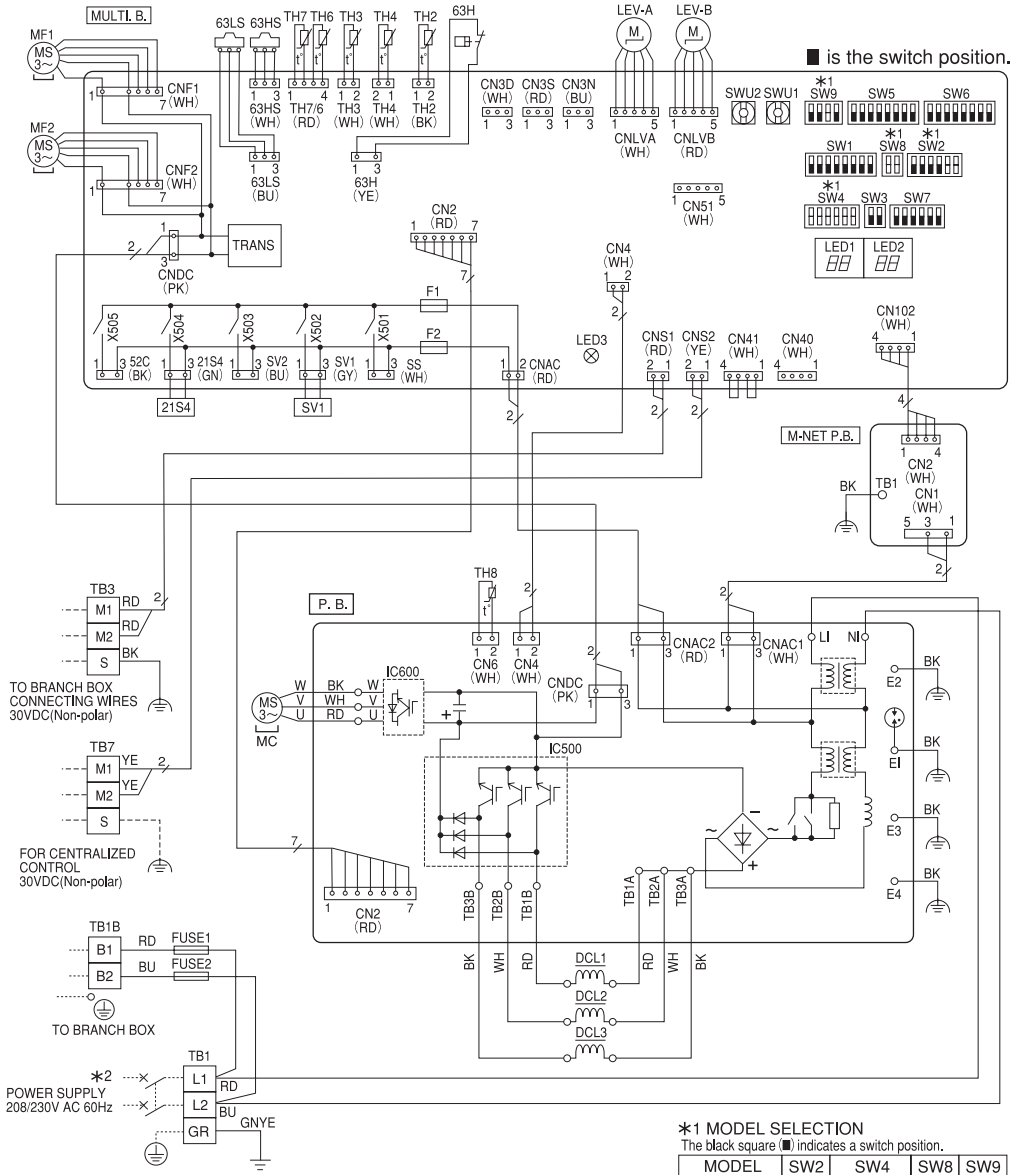
MODEL	SW2	SW4	SW8	SW9
MXZ-4C36NAHZ2	ON OFF 5 6	ON OFF 1 2 3 4 5 6	ON OFF 1 2	ON OFF 3
MXZ-5C42NAHZ2	ON OFF 5 6	ON OFF 1 2 3 4 5 6	ON OFF 1 2	ON OFF 3
MXZ-8C48NAHZ2	ON OFF 5 6	ON OFF 1 2 3 4 5 6	ON OFF 1 2	ON OFF 3

∗2 Use copper supply wires.
Utiliser des fils d'alimentation en cuivre.

MXZ-8C48NA2-U1

OUTDOOR UNIT

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
TB1	Terminal Block 〈Power Supply〉	TH7	Thermistor 〈Ambient〉	SW5	Switch 〈Function Selection〉
TB1B	Terminal Block 〈Branch Box〉	TH8	Thermistor 〈Heat Sink〉	SW6	Switch 〈Function Selection〉
TB3	Terminal Block 〈Branch Box/Outdoor Transmission Line〉	LEV-A, LEV-B	Linear Expansion Valve	SW7	Switch 〈Function Selection〉
		DCL1, DCL2, DCL3	Reactor	SW8	Switch 〈Model Selection〉
TB7	Terminal Block 〈Centralized Control Transmission Line〉	P.B.	Power Circuit Board	SW9	Switch 〈Function/Model Selection〉
		U/V/W	Connection Terminal 〈U/V/W-Phase〉	SWU1	Switch 〈Unit Address Selection, ones digit〉
FUSE1, FUSE2	Fuse 〈T20A L250V〉	LI	Connection Terminal 〈L1-Phase〉	SWU2	Switch 〈Unit Address Selection, tens digit〉
MC	Motor for Compressor	NI	Connection Terminal 〈L2-Phase〉	SS	Connector 〈Connection for Option〉
MF1, MF2	Fan Motor	TB1A, TB2A, TB3A TB1B, TB2B, TB3B	Connection Terminal 〈Reactor〉	CN3D	Connector 〈Connection for Option〉
21S4	Solenoid Valve Coil 〈4-Way Valve〉			CN3S	Connector 〈Connection for Option〉
63H	High Pressure Switch	IC500	Converter	CN3N	Connector 〈Connection for Option〉
63HS	High Pressure Sensor	IC600	Inverter	CN51	Connector 〈Connection for Option〉
63LS	Low Pressure Sensor	EI, E2, E3, E4	ConnectionTerminal 〈Electrical Parts Box〉	LED1, LED2	LED 〈Operation Inspection Display〉
SV1	Solenoid Valve Coil 〈Bypass Valve〉	MULTI.B.	Multi Controller Circuit Board	LED3	LED 〈Power Supply to Main Microcomputer〉
TH2	Thermistor 〈Hic Pipe〉	SW1	Switch 〈Display Selection〉	F1, F2	Fuse 〈T6.3A L250V〉
TH3	Thermistor 〈Outdoor Liquid Pipe〉	SW2	Switch 〈Function/Model Selection〉	X501～X505	Relay
TH4	Thermistor 〈Compressor〉	SW3	Switch 〈Test Run〉	M-NET P.B.	M-NET Power Circuit Board
TH6	Thermistor 〈Suction Pipe〉	SW4	Switch 〈Model Selection〉	TB1	ConnectionTerminal 〈Electrical Parts Box〉



∗1 MODEL SELECTION
The black square (■) indicates a switch position.

MODEL	SW2	SW4	SW8	SW9
MXZ-8C48NA2	ON OFF 5 6	ON OFF 1 2 3 4 5 6	ON OFF 1 2	ON OFF 3

∗2 Use copper supply wires.
Utiliser des fils d'alimentation en cuivre.

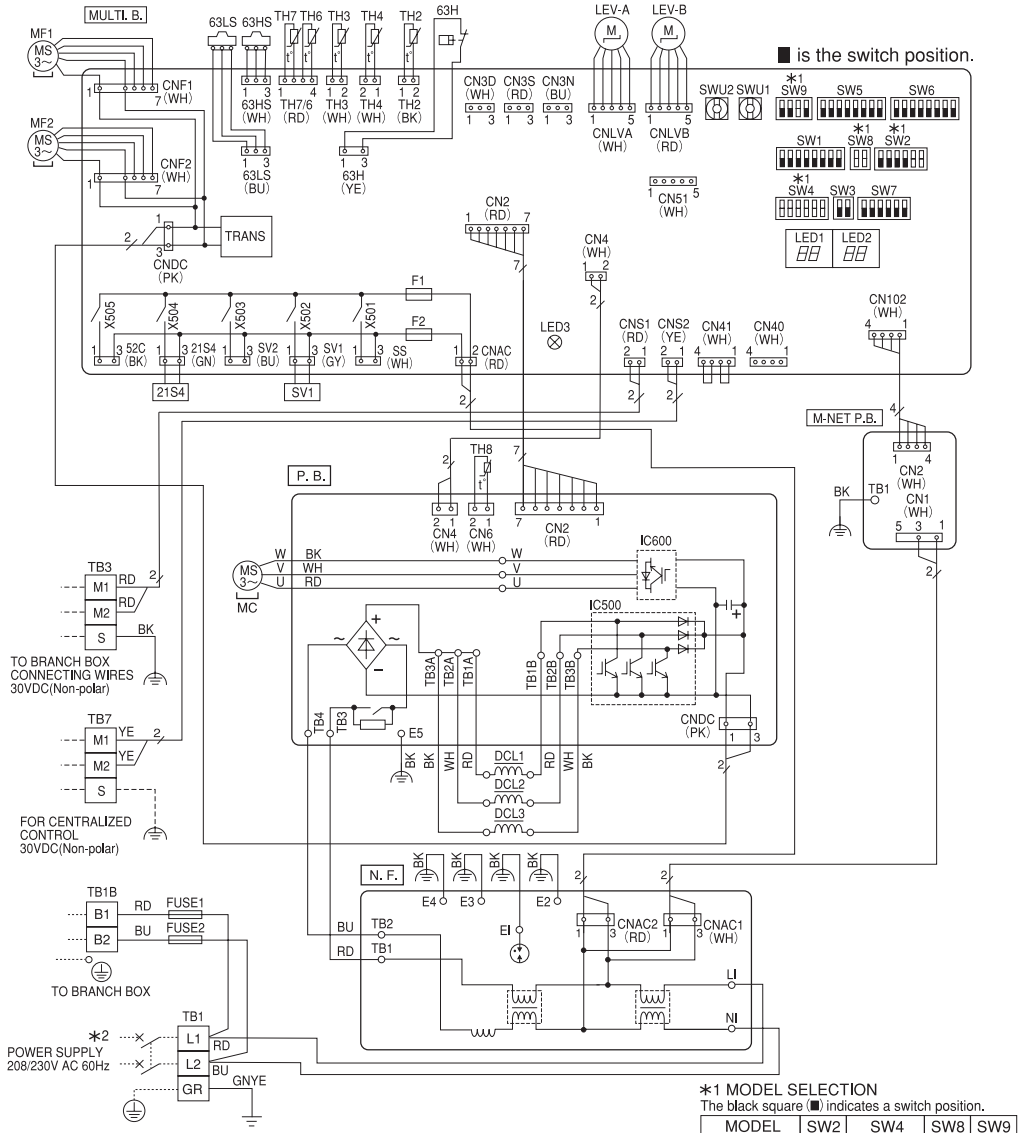
MXZ-8C60NA2-U1

OUTDOOR UNIT

SYMBOL	NAME
TB1	Terminal Block 〈Power Supply〉
TB1B	Terminal Block 〈Branch Box〉
TB3	Terminal Block 〈Branch Box/Outdoor Transmission Line〉
TB7	Terminal Block 〈Centralized Control Transmission Line〉
FUSE1, FUSE2	Fuse 〈T20A L250V〉
MC	Motor for Compressor
MF1, MF2	Fan Motor
21S4	Solenoid Valve Coil 〈4-Way Valve〉
63H	High Pressure Switch
63HS	High Pressure Sensor
63LS	Low Pressure Sensor
SV1	Solenoid Valve Coil 〈Bypass Valve〉
TH2	Thermistor 〈Hic Pipe〉
TH3	Thermistor 〈Outdoor Liquid Pipe〉
TH4	Thermistor 〈Compressor〉
TH6	Thermistor 〈Suction Pipe〉
TH7	Thermistor 〈Ambient〉
TH8	Thermistor 〈Heat Sink〉

SYMBOL	NAME
LEV-A, LEV-B	Linear Expansion Valve
DCL1, DCL2, DCL3	Reactor
N.F.	Noise Filter Board
LI	Connection Terminal 〈L1-Phase〉
NI	Connection Terminal 〈L2-Phase〉
TB1, TB2	ConnectionTerminal 〈Power Circuit Board〉
EI, E2, E3, E4	ConnectionTerminal 〈Electrical Parts Box〉
P.B.	Power Circuit Board
TB3, TB4	ConnectionTerminal 〈Noise Filter Board〉
U/V/W	Connection Terminal 〈U/V/W-Phase〉
TB1A, TB2A, TB3A TB1B, TB2B, TB3B	Connection Terminal 〈Reactor〉
E5	ConnectionTerminal 〈Electrical Parts Box〉
IC500	Converter
IC600	Inverter
MULTI.B.	Multi Controller Circuit Board
SW1	Switch 〈Display Selection〉
SW2	Switch 〈Function/Model Selection〉
SW3	Switch 〈Test Run〉
SW4	Switch 〈Model Selection〉

SYMBOL	NAME
SW5	Switch 〈Function Selection〉
SW6	Switch 〈Function Selection〉
SW7	Switch 〈Function Selection〉
SW8	Switch 〈Model Selection〉
SW9	Switch 〈Function/Model Selection〉
SWU1	Switch 〈Unit Address Selection, ones digit〉
SWU2	Switch 〈Unit Address Selection, tens digit〉
SS	Connector 〈Connection for Option〉
CN3D	Connector 〈Connection for Option〉
CN3S	Connector 〈Connection for Option〉
CN3N	Connector 〈Connection for Option〉
CN51	Connector 〈Connection for Option〉
LED1, LED2	LED 〈Operation Inspection Display〉
LED3	LED 〈Power Supply to Main Microcomputer〉
F1, F2	Fuse 〈T6.3A L250V〉
X501～X505	Relay
M-NET P.B.	M-NET Power Circuit Board
TB1	ConnectionTerminal 〈Electrical Parts Box〉



PAC-MKA52BC PAC-MKA32BC

BRANCH BOX

SYMBOL	NAME
B.C.	Branch box controller board
F1	Fuse <UL 6.3A 250V AC>
F2~F4	Fuse <UL 10A 250V AC> ∗1
SW1	Switch for indoor unit connection ∗2
SW4	Switch for function selection
SW5	Switch for function selection
CNM	Connector <Connection for service>
LED1,2	Light emitting diode ∗3
TB3A~E	Terminal block <To Indoor unit-A~E> ∗4
SW11	Address Setting ones digit
SW12	Address Setting tens digit
LEV-A~E	Linear expansion valve ∗4
TH-A~E	Thermistor <Gas pipe> ∗4
TB2B	Terminal block <To Power Supply>
TB5	Terminal block <To Transmission>

∗1 F4 for PAC-MKA52BC only
∗2 SW1 setting

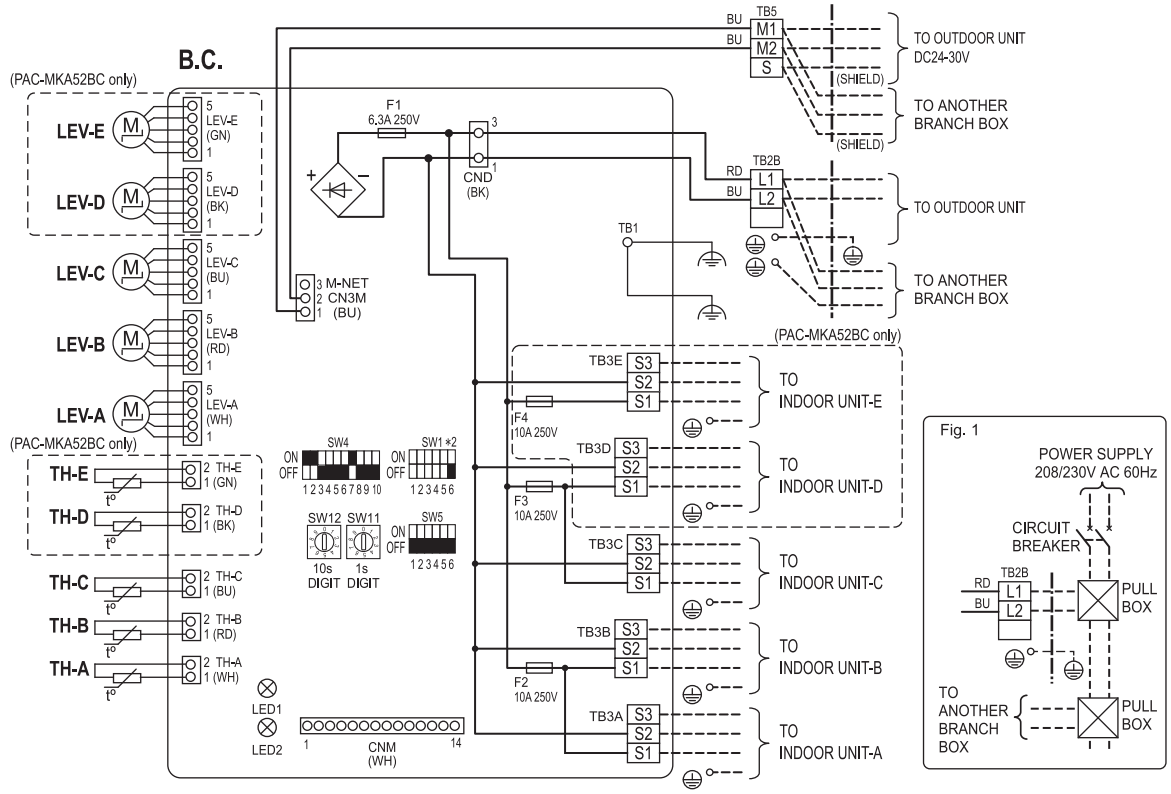


Fig. 1

		OFF	ON	
SW1-1	INDOOR UNIT-A	NOT CONNECT	CONNECT	PAC-MKA 52BC only
SW1-2	INDOOR UNIT-B	NOT CONNECT	CONNECT	
SW1-3	INDOOR UNIT-C	NOT CONNECT	CONNECT	
SW1-4	INDOOR UNIT-D	NOT CONNECT	CONNECT	
SW1-5	INDOOR UNIT-E	NOT CONNECT	CONNECT	
SW1-6	NO USE			

After each indoor unit is connected to the outdoor unit, turn on the switch corresponding to each indoor unit. For example, when the indoor units are connected to INDOOR UNIT-A and C, turn SW1-1 and SW1-3 to on.
∗3 LED on Branch box controller board for service

• start-up

Mark	Meaning	Function
LED 1	Main power supply	Main power supply (208/230V)
LED 2		Power on → Lamps are lit

• normal operating

Mark	Meaning	Function
LED 1	Main power supply	Lamp is lit
LED 2	Total number of indoor units	Blink depend on the total number <example> The total number is 2 ① Blink 2 times. ② Turn off for 3 sec. ③ Repeat ① to ②.

∗4 D and E for PAC-MKA52BC only.

<Note>
1. At servicing for outdoor unit, always follow the wiring diagram of outdoor unit.
2. Caution for electrical work.
   • Use copper supply wires.
   (Utiliser des fils d'alimentation en cuivre.)
3. When work to supply power separately to Branch box and outdoor units are applied, refer to Fig. 1.
4. For the connection method, please refer to the Branch box Installation Manual.

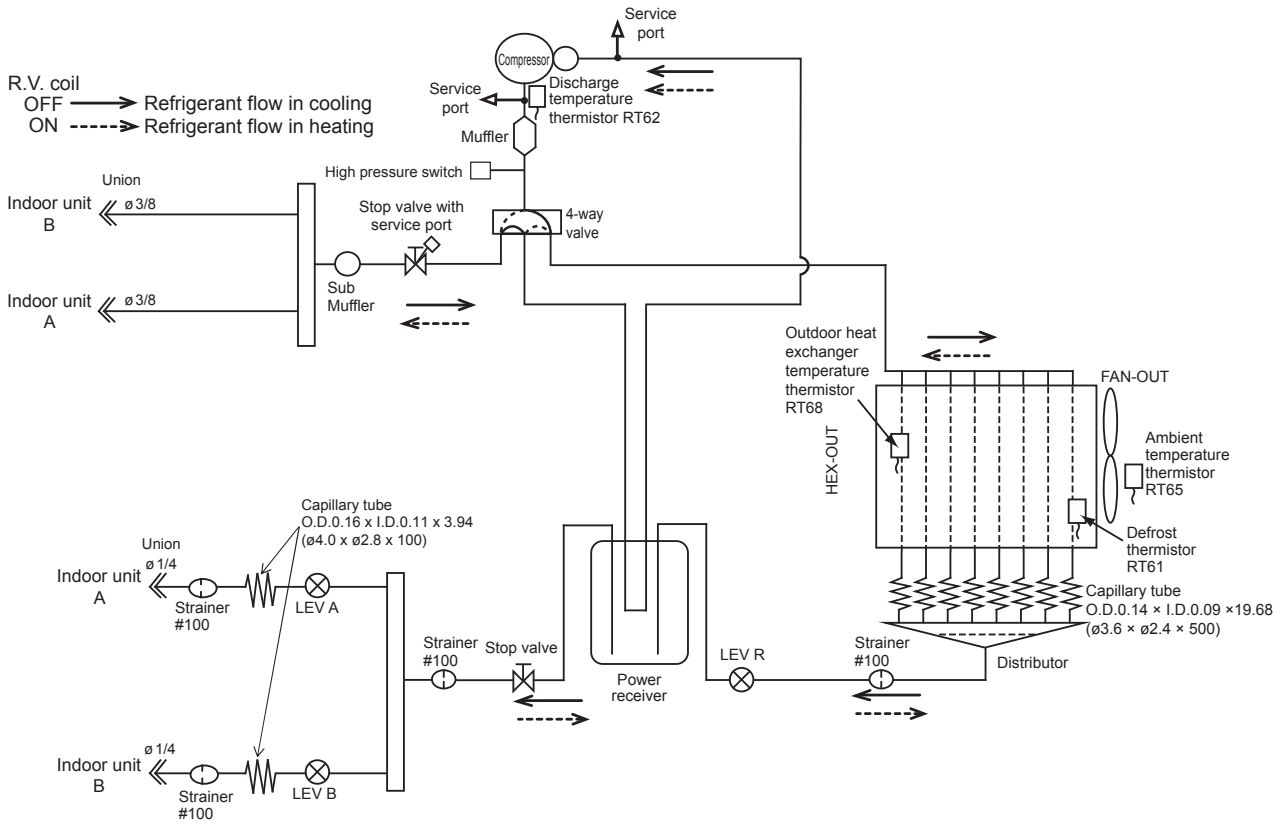
<Symbols used in wiring diagram>
: Terminal block, : Connector
: Dip switch (■(black square) indicates a switch position)

A.9.4 REFRIGERANT SYSTEM DIAGRAM

A.9.4.1 Inverter Heat Pump

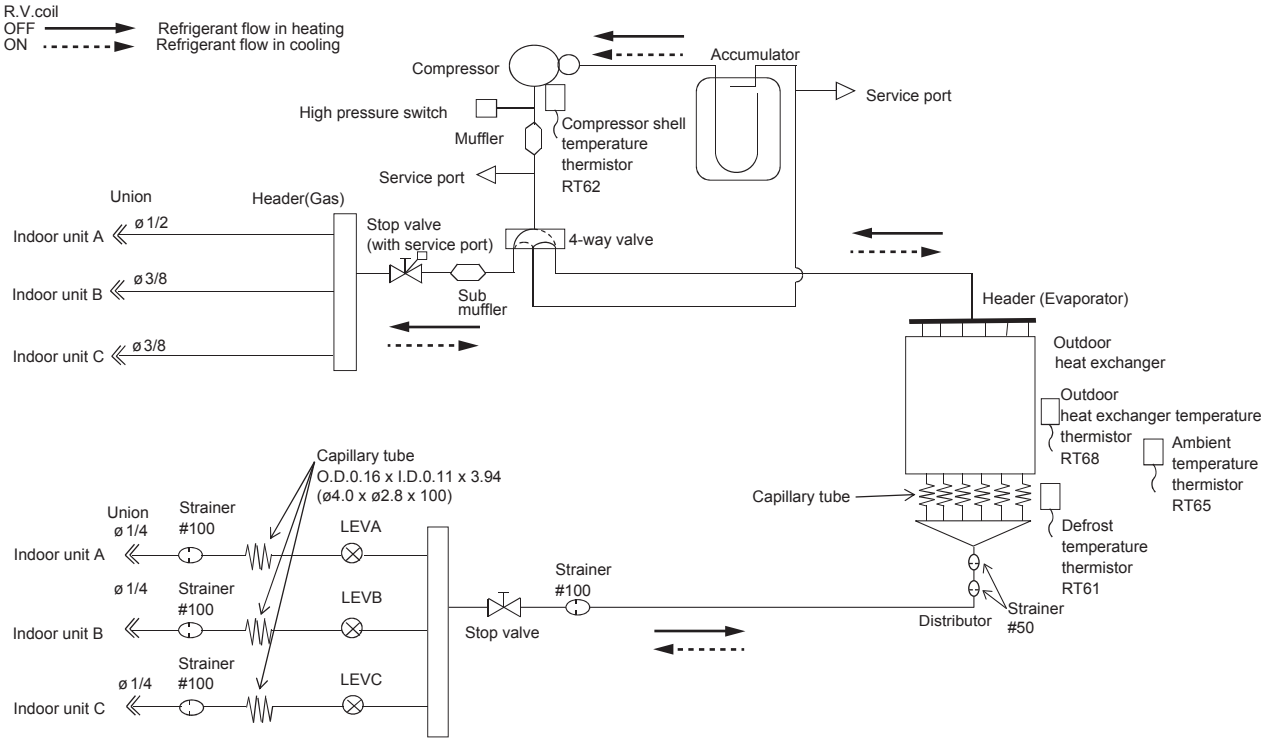
Unit: inch(mm)

MXZ-2C20NA2-U1



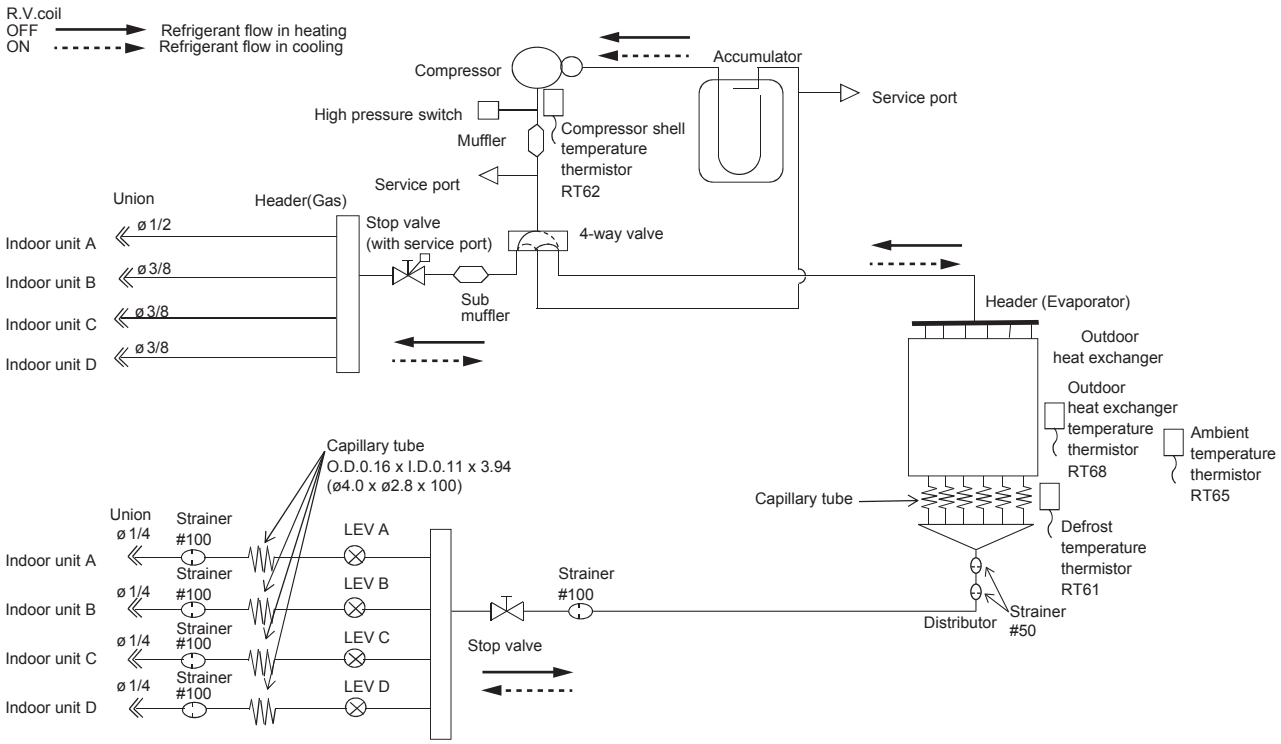
Unit: inch(mm)

MXZ-3C24NA2-U1 MXZ-3C30NA2-U1



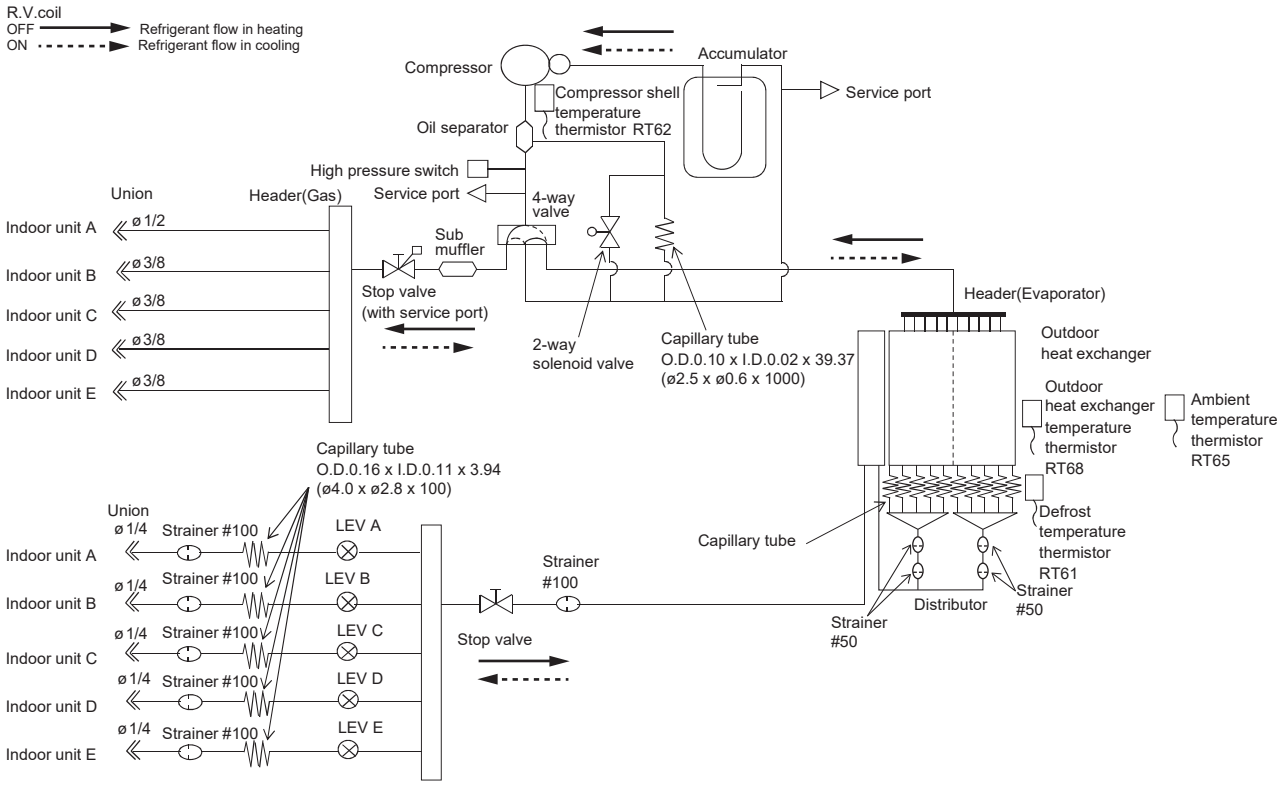
Unit: inch(mm)

MXZ-4C36NA2-U1



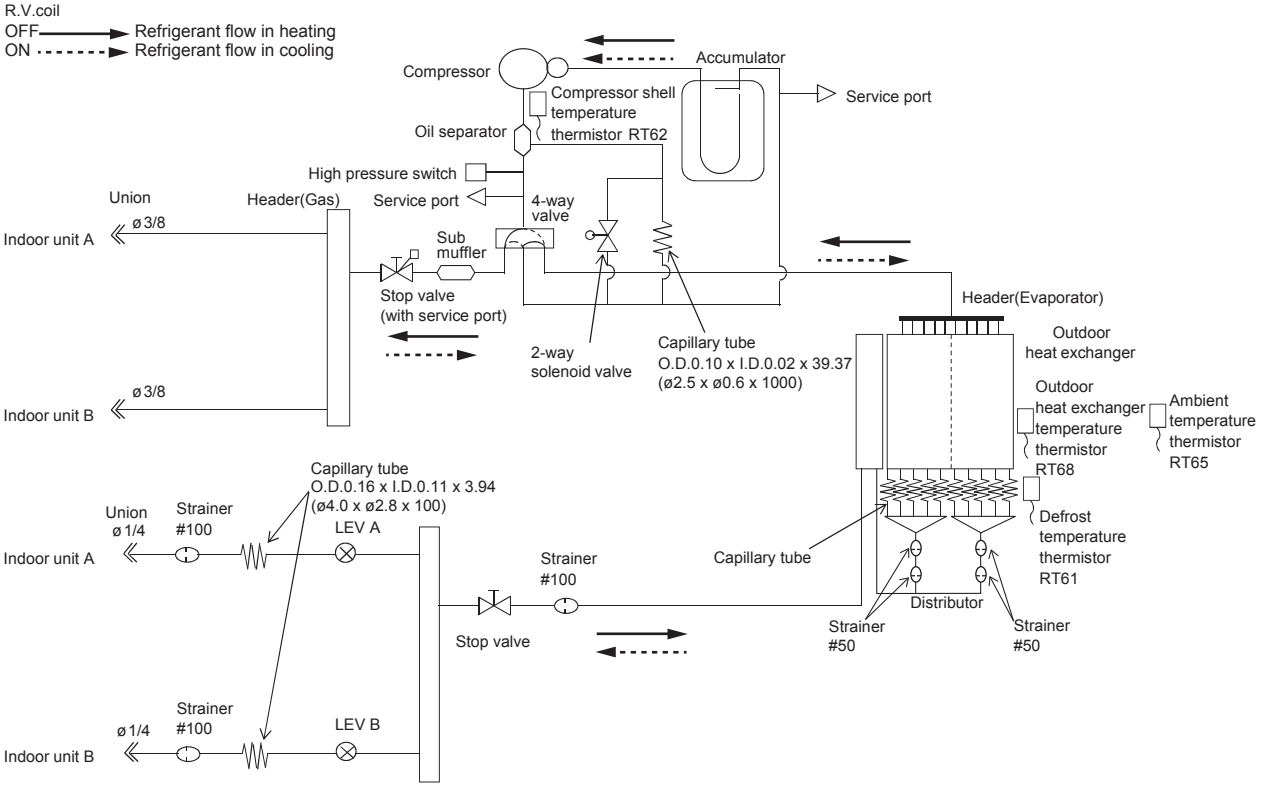
Unit: inch(mm)

MXZ-5C42NA2-U1



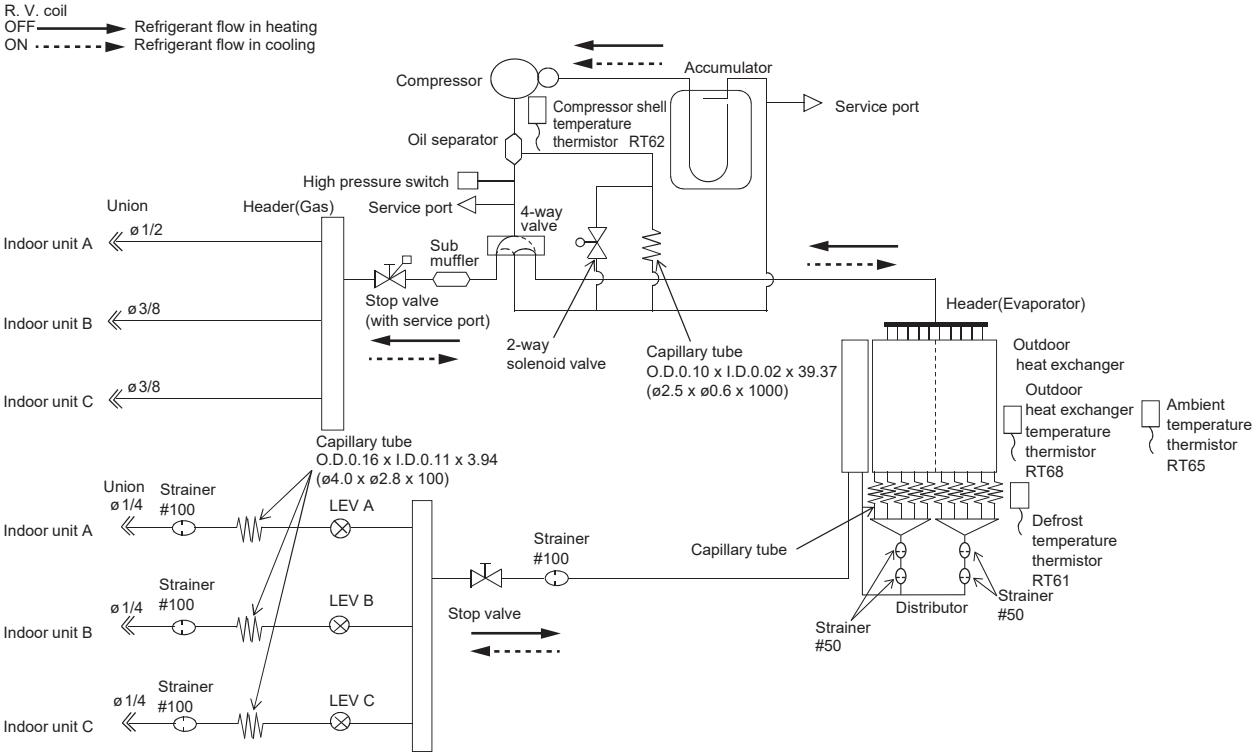
Unit: inch(mm)

MXZ-2C20NAHZ2-U1



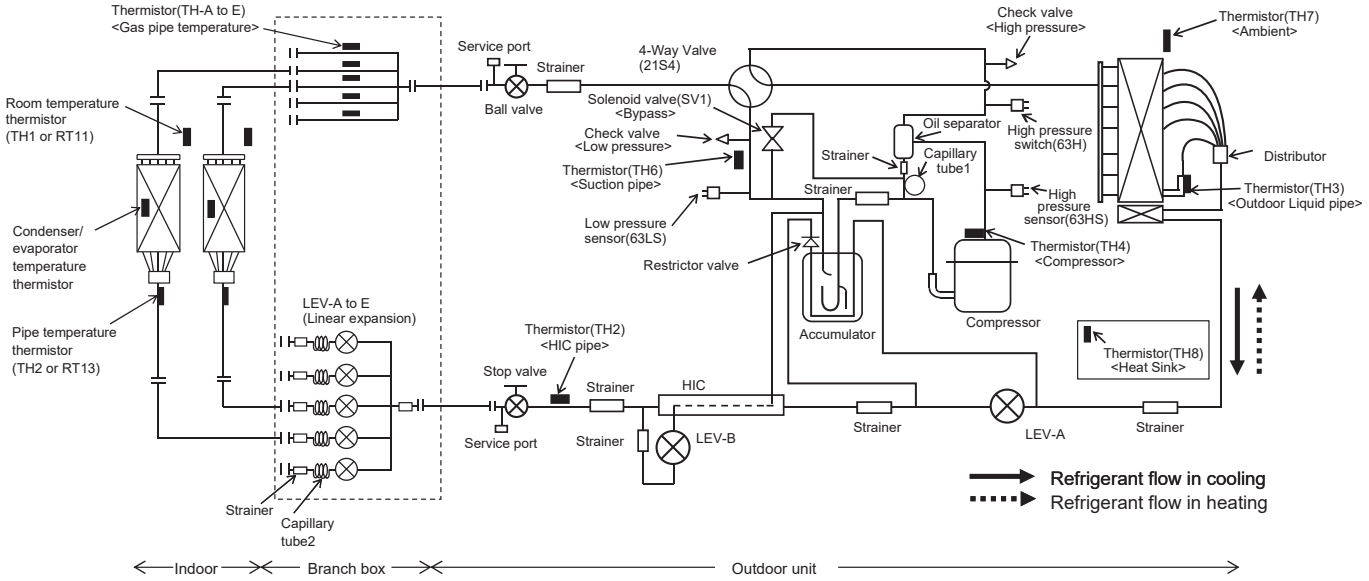
Unit: inch(mm)

MXZ-3C24NAHZ2-U1 MXZ-3C30NAHZ2-U1



Unit: inch(mm)

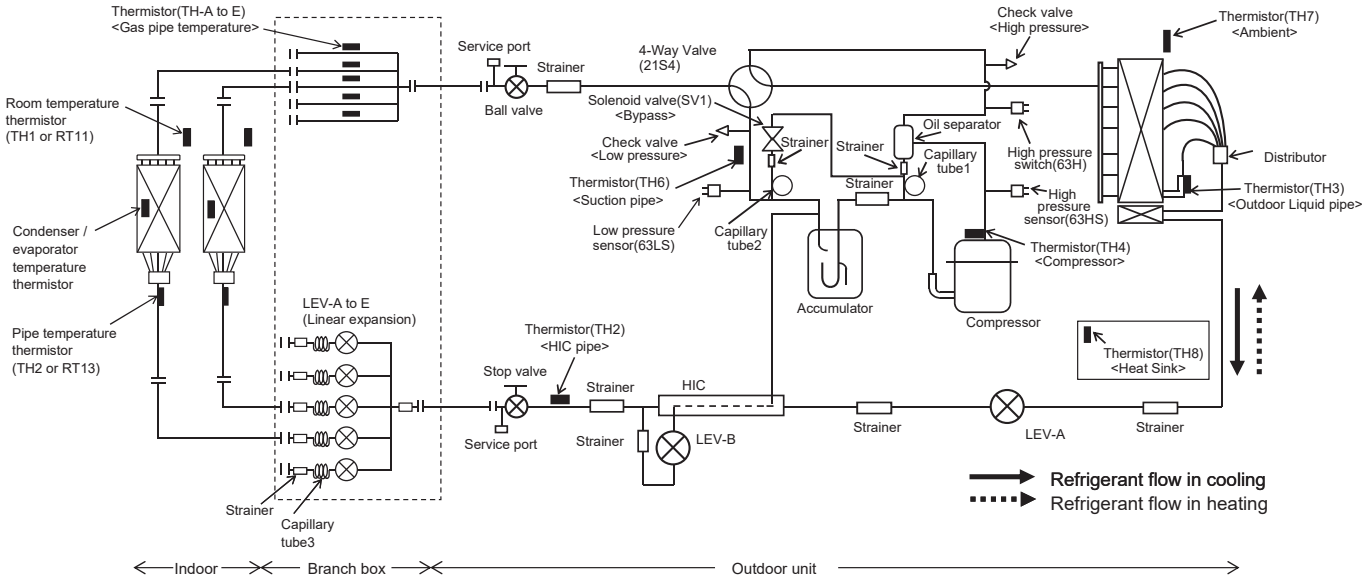
MXZ-8C48NA2-U1



Unit: inch (mm)

	Capillary tube 1 (For return of oil from oil separator)	Capillary tube 2 behind LEV (in cooling mode)
Outdoor unit	ø0.098 × ø0.031 × L(39-1/2) (ø2.5 × ø0.8 × L1000)	———
Branch box	———	(ø0.157 × ø0.117 × L(5-1/8)) × 5 ((ø4.0 × ø3.0 × L130) × 5)
	———	(ø0.157 × ø0.117 × L(5-1/8)) × 3 ((ø4.0 × ø3.0 × L130) × 3)

MXZ-8C60NA2-U1

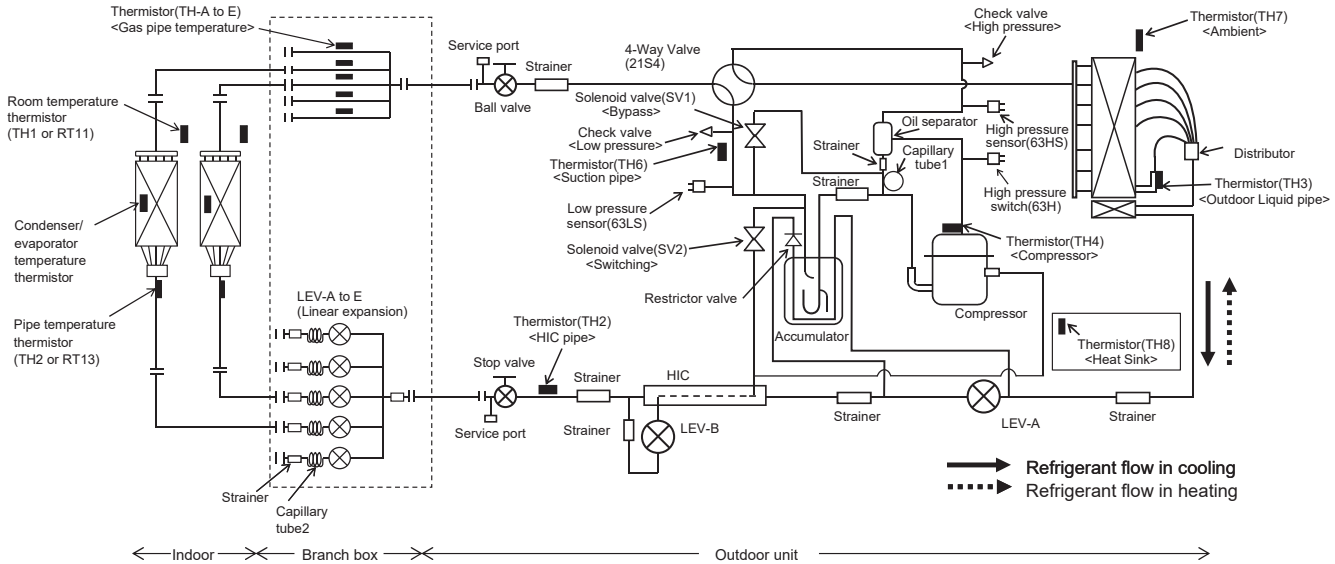


Unit: inch (mm)

	Capillary tube 1 (For return of oil from oil separator)	Capillary tube 2 (For solenoid valve (SV1))	Capillary tube 3 behind LEV (in cooling mode)
Outdoor unit	ø0.098 × ø0.031 × L(39-1/2) (ø2.5 × ø0.8 × L800)	ø0.157 × ø0.117 × L(19-5/8) (ø4.0 × ø3.0 × L500)	———
Branch box	———	———	(ø0.157 × ø0.117 × L(5-1/8)) × 5 ((ø4.0 × ø3.0 × L130) × 5)
	———	———	(ø0.157 × ø0.117 × L(5-1/8)) × 3 ((ø4.0 × ø3.0 × L130) × 3)

Unit: inch(mm)

MXZ-4C36NAHZ2-U1 MXZ-5C42NAHZ2-U1 MXZ-8C48NAHZ2-U1



Unit: inch (mm)

	Capillary tube 1 (For return of oil from oil separator)	Capillary tube 2 behind LEV (in cooling mode)
Outdoor unit	ø0.098 × ø0.031 × L(39-1/2) (ø2.5 × ø0.8 × L1000)	———
Branch box	———	(ø0.157 × ø0.117 × L(5-1/8)) × 5 ((ø4.0 × ø3.0 × L130) × 5)
	———	(ø0.157 × ø0.117 × L(5-1/8)) × 3 ((ø4.0 × ø3.0 × L130) × 3)

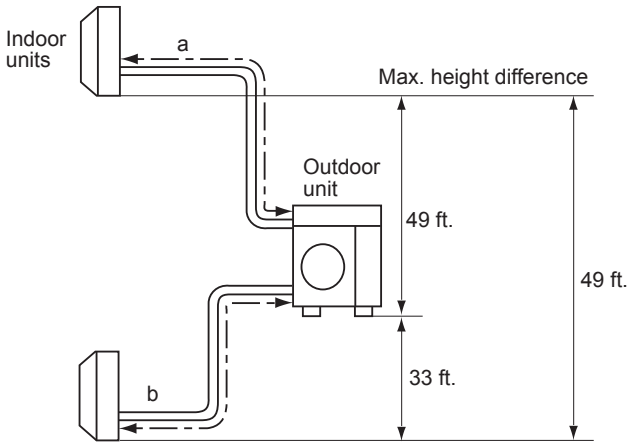
A.9.4.2 Refrigerant Pipe Length and Pipe Size
MXZ-2C20NA2-U1
Operating Range

		Indoor intake air temperature	Outdoor intake air temperature
Cooling	Maximum	95°FDB, 71°FWB	115°FDB
	Minimum	67°FDB, 57°FWB	14°FDB
Heating	Maximum	80°FDB, 67°FWB	75°FDB, 65°FWB
	Minimum	70°FDB, 60°FWB	6°FDB, 5°FWB

MAX. REFRIGERANT PIPING LENGTH & PIPE SIZE SELECTION

Piping length each indoor unit (a, b)	82 ft. MAX.
Total piping length (a+b)	164 ft. MAX.
Bending point for each unit	25 MAX.
Total bending point	50 MAX.

*It is irrelevant which unit is higher.



- Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the tables below.
- When the diameter of refrigerant pipe is different from that of outdoor unit union, use optional Different-diameter pipe. For further information on Different-diameter pipe, refer to "PARTS CATALOG".

Unit: inch

Outdoor unit union diameter		
For		
Indoor unit A	Liquid	1/4
	Gas	3/8
Indoor unit B	Liquid	1/4
	Gas	3/8

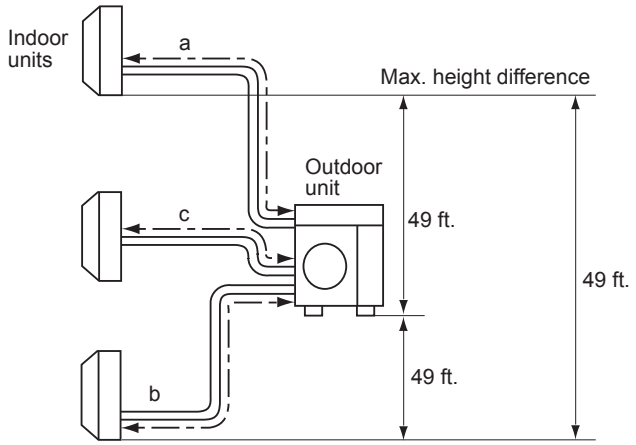
MXZ-3C24NA2-U1 MXZ-3C30NA2-U1
Operating Range

		Indoor intake air temperature	Outdoor intake air temperature
Cooling	Maximum	95°FDB, 71°FWB	115°FDB
	Minimum	67°FDB, 57°FWB	14°FDB
Heating	Maximum	80°FDB, 67°FWB	75°FDB, 65°FWB
	Minimum	70°FDB, 60°FWB	6°FDB, 5°FWB

MAX. REFRIGERANT PIPING LENGTH & PIPE SIZE SELECTION

Piping length each indoor unit (a, b, c)	82 ft. MAX.
Total piping length (a+b+c)	230 ft. MAX.
Bending point for each unit	25 MAX.
Total bending point	70 MAX.

*It is irrelevant which unit is higher.



- Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the tables below.
- When the diameter of refrigerant pipe is different from that of outdoor unit union, use optional Different-diameter pipe. For further information on Different-diameter pipe, refer to "PARTS CATALOG".

Unit: inch

Outdoor unit union diameter		
For		
Indoor unit A	Liquid	1/4
	Gas	1/2
Indoor unit B	Liquid	1/4
	Gas	3/8
Indoor unit C	Liquid	1/4
	Gas	3/8

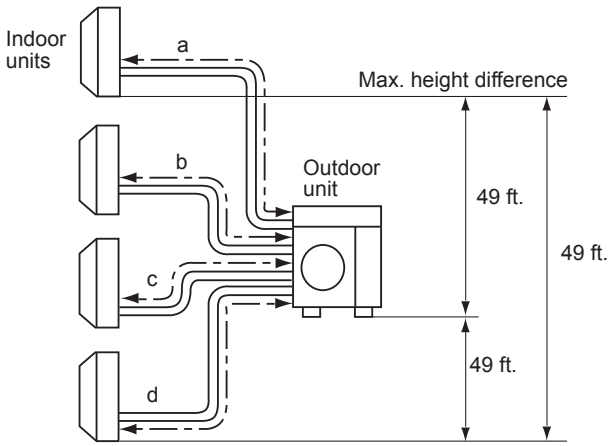
MXZ-4C36NA2-U1
Operating Range

		Indoor intake air temperature	Outdoor intake air temperature
Cooling	Maximum	95°FDB, 71°FWB	115°FDB
	Minimum	67°FDB, 57°FWB	14°FDB
Heating	Maximum	80°FDB, 67°FWB	75°FDB, 65°FWB
	Minimum	70°FDB, 60°FWB	6°FDB, 5°FWB

MAX. REFRIGERANT PIPING LENGTH & PIPE SIZE SELECTION

Piping length each indoor unit (a, b, c, d)	82 ft. MAX.
Total piping length (a+b+c+d)	230 ft. MAX.
Bending point for each unit	25 MAX.
Total bending point	70 MAX.

*It is irrelevant which unit is higher.



- Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the tables below.
- When the diameter of refrigerant pipe is different from that of outdoor unit union, use optional Different-diameter pipe. For further information on Different-diameter pipe, refer to "PARTS CATALOG".

Unit: inch

Outdoor unit union diameter		
For		
Indoor unit A	Liquid	1/4
	Gas	1/2
Indoor unit B	Liquid	1/4
	Gas	3/8
Indoor unit C	Liquid	1/4
	Gas	3/8
Indoor unit D	Liquid	1/4
	Gas	3/8

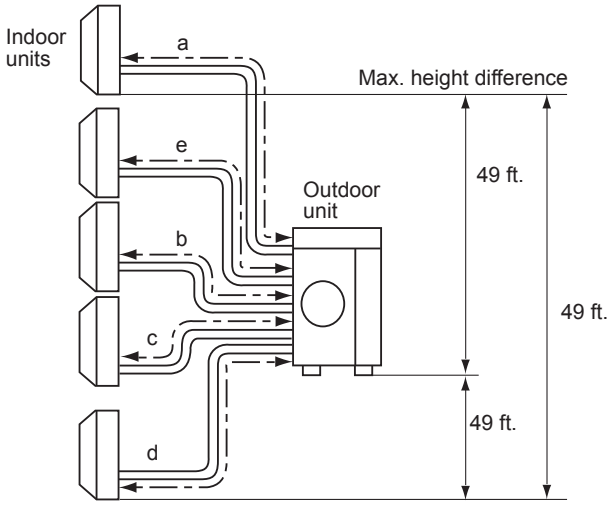
MXZ-5C42NA2-U1
Operating Range

		Indoor intake air temperature	Outdoor intake air temperature
Cooling	Maximum	95°FDB, 71°FWB	115°FDB
	Minimum	67°FDB, 57°FWB	14°FDB
Heating	Maximum	80°FDB, 67°FWB	75°FDB, 65°FWB
	Minimum	70°FDB, 60°FWB	6°FDB, 5°FWB

MAX. REFRIGERANT PIPING LENGTH & PIPE SIZE SELECTION

Piping length each indoor unit (a, b, c, d, e)	82 ft. MAX.
Total piping length (a+b+c+d+e)	262 ft. MAX.
Bending point for each unit	25 MAX.
Total bending point	80 MAX.

*It is irrelevant which unit is higher.



- Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the tables below.
- When diameter of refrigerant pipe is different from that of outdoor unit union, use optional Different-diameter pipe. For further information on Different-diameter pipe, refer to "PARTS CATALOG".

Unit: inch

Outdoor unit union diameter		
For		
Indoor unit A	Liquid	1/4
	Gas	1/2
Indoor unit B	Liquid	1/4
	Gas	3/8
Indoor unit C	Liquid	1/4
	Gas	3/8
Indoor unit D	Liquid	1/4
	Gas	3/8
Indoor unit E	Liquid	1/4
	Gas	3/8

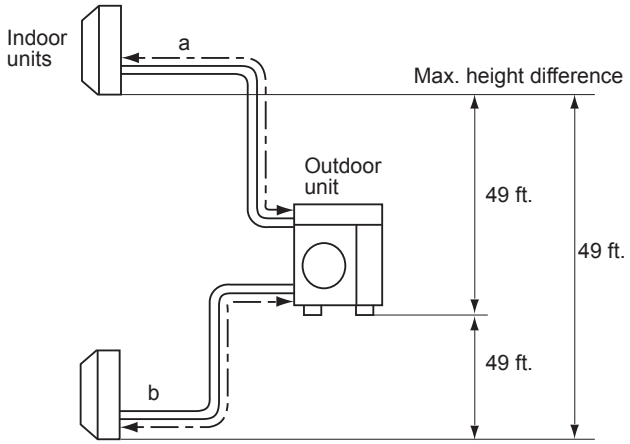
MXZ-2C20NAHZ2-U1
Operating Range

		Indoor intake air temperature	Outdoor intake air temperature
Cooling	Maximum	95°FDB, 71°FWB	115°FDB
	Minimum	67°FDB, 57°FWB	14°FDB
Heating	Maximum	80°FDB, 67°FWB	75°FDB, 65°FWB
	Minimum	70°FDB, 60°FWB	-12°FDB, -13°FWB

MAX. REFRIGERANT PIPING LENGTH & PIPE SIZE SELECTION

Piping length each indoor unit (a, b)	82 ft. MAX.
Total piping length (a+b)	164 ft. MAX.
Bending point for each unit	25 MAX.
Total bending point	50 MAX.

*It is irrelevant which unit is higher.



- Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the tables below.
- When the diameter of refrigerant pipe is different from that of outdoor unit union, use optional Different-diameter pipe. For further information on Different-diameter pipe, refer to "PARTS CATALOG".

Unit: inch

Outdoor unit union diameter		
For		
Indoor unit A	Liquid	1/4
	Gas	3/8
Indoor unit B	Liquid	1/4
	Gas	3/8

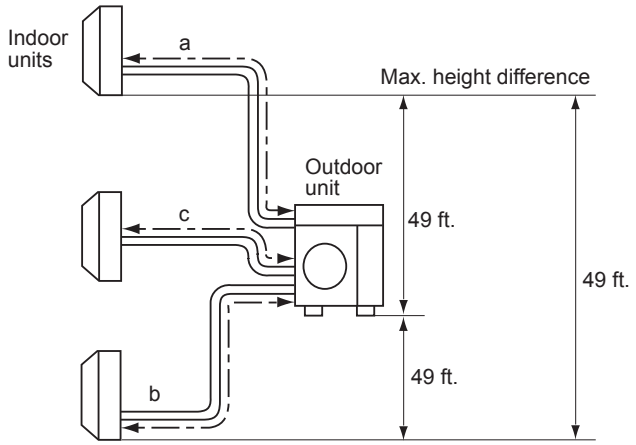
MXZ-3C24NAHZ2-U1 MXZ-3C30NAHZ2-U1
Operating Range

		Indoor intake air temperature	Outdoor intake air temperature
Cooling	Maximum	95°FDB, 71°FWB	115°FDB
	Minimum	67°FDB, 57°FWB	14°FDB
Heating	Maximum	80°FDB, 67°FWB	75°FDB, 65°FWB
	Minimum	70°FDB, 60°FWB	-12°FDB, -13°FWB

MAX. REFRIGERANT PIPING LENGTH & PIPE SIZE SELECTION

Piping length each indoor unit (a, b, c)	82 ft. MAX.
Total piping length (a+b+c)	230 ft. MAX.
Bending point for each unit	25 MAX.
Total bending point	70 MAX.

*It is irrelevant which unit is higher.



- Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the tables below.
- When the diameter of refrigerant pipe is different from that of outdoor unit union, use optional Different-diameter pipe. For further information on Different-diameter pipe, refer to "PARTS CATALOG".

Unit: inch

Outdoor unit union diameter		
For		
Indoor unit A	Liquid	1/4
	Gas	1/2
Indoor unit B	Liquid	1/4
	Gas	3/8
Indoor unit C	Liquid	1/4
	Gas	3/8

MXZ-8C48NA2-U1 MXZ-8C60NA2-U1
Operating Range

		Indoor intake air temp.		Outoor intake air temp.
		M series	S, P series	
Cooling	Maximum	90 ºFDB, 73 ºFWB 32 ºCDB, 23 ºCWB	95 ºFDB, 71 ºFWB 35 ºCDB, 22 ºCWB	115 ºFDB 46 ºCDB
	Minimum	67 ºFDB, 57 ºFWB 19 ºCDB, 14 ºCWB	67 ºFDB, 57 ºFWB 19 ºCDB, 14 ºCWB	23 ºFDB *1 -5 ºCDB
Heating	Maximum	80 ºFDB, 67 ºFWB 27 ºCDB, 19 ºCWB	80 ºFDB, 67 ºFWB 27 ºCDB, 19 ºCWB	70 ºFDB, 59 ºFWB 21 ºCDB, 15 ºCWB
	Minimum	70 ºFDB, 60 ºFWB 21 ºCDB, 16 ºCWB	70 ºFDB, 60 ºFWB 21 ºCDB, 16 ºCWB	-4 ºFWB -20 ºCWB

*1 When the temperature is below D.B. 50°F, noise could potentially occur.

MXZ-4C36NAHZ2-U1 MXZ-5C42NAHZ2-U1 MXZ-8C48NAHZ2-U1
Operating Range

		Indoor intake air temp.		Outoor intake air temp.
		M series	S, P series	
Cooling	Maximum	90 ºFDB, 73 ºFWB 32 ºCDB, 23 ºCWB	95 ºFDB, 71 ºFWB 35 ºCDB, 22 ºCWB	115 ºFDB 46 ºCDB
	Minimum	67 ºFDB, 57 ºFWB 19 ºCDB, 14 ºCWB	67 ºFDB, 57 ºFWB 19 ºCDB, 14 ºCWB	23 ºFDB *1 -5 ºCDB
Heating	Maximum	80 ºFDB, 67 ºFWB 27 ºCDB, 19 ºCWB	80 ºFDB, 67 ºFWB 27 ºCDB, 19 ºCWB	70 ºFDB, 59 ºFWB 21 ºCDB, 15 ºCWB
	Minimum	70 ºFDB, 60 ºFWB 21 ºCDB, 16 ºCWB	70 ºFDB, 60 ºFWB 21 ºCDB, 16 ºCWB	-13 ºFWB -25 ºCWB

*1 When the temperature is below D.B. 50°F, noise could potentially occur.

Installing the refrigerant piping

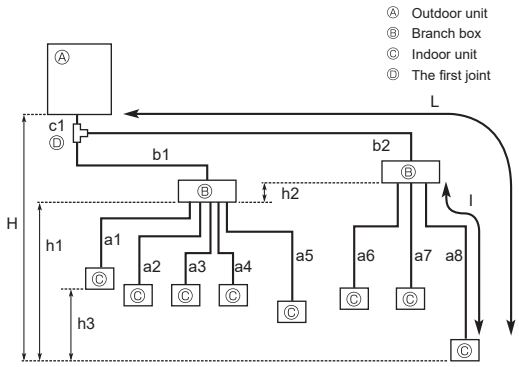


Fig. 1-1

Permissible length (one-way)	Total piping length	c1 + b1 + b2 + a1 + a2 + a3 + a4 + a5 + a6 + a7 + a8 ≤ 150 m (492 ft.)
	Farthest piping length (L)	c1 + b2 + a8 ≤ 80 m (262 ft.)
	Piping length between outdoor unit and branch boxes	c1 + b1 + b2 ≤ 55 m (180 ft.)
	Farthest branch box from the first joint (b2)	b2 ≤ 30 m (98 ft.)
	Farthest piping length after branch box (l)	a8 ≤ 25 m (82 ft.)
	Total piping length between branch boxes and indoor units	a1 + a2 + a3 + a4 + a5 + a6 + a7 + a8 ≤ 95 m (311 ft.)
Permissible height difference (one-way)	In indoor/outdoor section (H) *1	H ≤ 50 m (164 ft.) (In case of outdoor unit is set higher than indoor unit)
		H ≤ 40 m (131 ft.) (In case of outdoor unit is set lower than indoor unit)
	In branch box/indoor unit section (h1)	h1 + h2 ≤ 15 m (49 ft.)
	In each branch unit (h2)	h2 ≤ 15 m (49 ft.)
	In each indoor unit (h3)	h3 ≤ 12 m (39 ft.)
Number of bends		| c1 + b1 + a1 |, | c1 + b1 + a2 |, | c1 + b1 + a3 |, | c1 + b1 + a4 |, | c1 + b1 + a5 |, | c1 + b2 + a6 |, | c1 + b2 + a7 |, | c1 + b2 + a8 | ≤ 15

*1 Branch box should be placed within the level between the outdoor unit and indoor units.

Pipe length and height difference

Flared connections

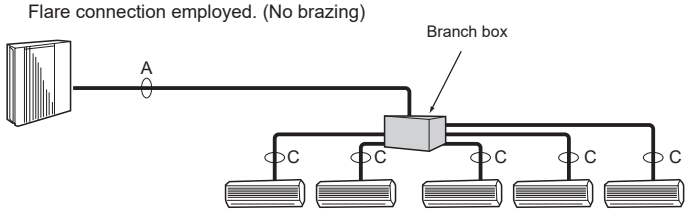
• This unit has flared connections on each indoor unit and branch box and outdoor unit sides.
• Remove the valve cover of the outdoor unit, then connect the pipe.
• Refrigerant pipes are used to connect the branch box and outdoor unit.

SIMPLIFIED PIPING SYSTEM

Piping connection size

■ **In the case of using 1-branch box**

Flare connection employed. (No brazing)



■ **In the case of using 2-branch boxes**

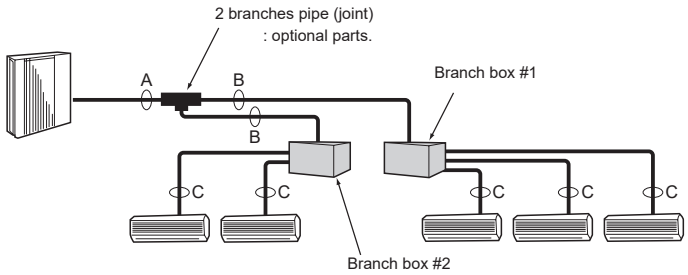


Fig. 1-2

Refrigerant pipe flared connection of branch box mm (inch)

	To indoor unit					To outdoor unit
	A	B	C	D	E	
Liquid pipe	ø6.35 (1/4)	ø6.35 (1/4)	ø6.35 (1/4)	ø6.35 (1/4)	ø6.35 (1/4)	ø9.52 (3/8)
Gas pipe	ø9.52 (3/8)	ø9.52 (3/8)	ø9.52 (3/8)	ø9.52 (3/8)	ø12.7 (1/2)	ø15.88 (5/8)

* 3-branch type : only A, B, C

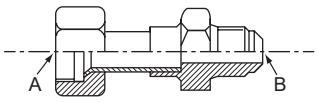


Fig. 1-3

Conversion formula

1/4 F	ø6.35 (1/4)
3/8 F	ø9.52 (3/8)
1/2 F	ø12.7 (1/2)
5/8 F	ø15.88 (5/8)
3/4 F	ø19.05 (3/4)

Pipe size (Fig. 1-2)

A

	Liquid pipe	Gas pipe
4C36	ø9.52 (3/8)	ø15.88 (5/8)
5C42		
8C48		
8C60		ø19.05 (3/4)

B

• 4C36/5C42/8C48

Liquid pipe	Gas pipe
ø9.52 (3/8)	ø15.88 (5/8)

• 8C60

Total capacity of indoor units	Liquid pipe	Gas pipe
– 54 kBtu/h	ø9.52 (3/8)	ø15.88 (5/8)
54 kBtu/h –	ø9.52 (3/8)	ø19.05 (3/4)

C

The piping connection size differs according to the type and capacity of indoor units. Match the piping connection size of branch box with indoor unit. If the piping connection size of branch box does not match the piping connection size of indoor unit, use optional different-diameter (deformed) joints to the branch box side. (Connect deformed joint directly to the branch box side.)

■ **Pipe size (Branch box-Indoor unit) *Case of M series or S series Indoor unit**

Indoor unit type	(Btu/h)	06	09	12	15	18	24	30	36
Pipe size (mm (inch))	Liquid	ø6.35 (1/4)	ø6.35 (1/4)	ø6.35 (1/4)	ø6.35 (1/4)	ø6.35 (1/4)	ø9.52 (3/8)	ø9.52 (3/8)	ø9.52 (3/8)
	Gas	ø9.52 (3/8)	ø9.52 (3/8)	ø9.52 (3/8)	ø12.7 (1/2)	ø12.7 (1/2)	ø15.88 (5/8)	ø15.88 (5/8)	ø15.88 (5/8)

■ **Pipe size (Branch box-Indoor unit) *Case of P series indoor unit**

Indoor unit type	(Btu/h)	09	12	15	18	24	30	36
Pipe size (mm (inch))	Liquid	ø6.35 (1/4)	ø6.35 (1/4)	ø6.35 (1/4)	ø6.35 (1/4)	ø9.52 (3/8)	ø9.52 (3/8)	ø9.52 (3/8)
	Gas	ø9.52 (3/8)	ø12.7 (1/2)	ø12.7 (1/2)	ø12.7 (1/2)	ø15.88 (5/8)	ø15.88 (5/8)	ø15.88 (5/8)

The lineup of a connectable indoor unit depends on a district/areas/country.

Different-diameter joint (optional parts) (Fig. 1-3)

Model name	Connected pipes diameter	Diameter A	Diameter B
	mm (inch)	mm (inch)	mm (inch)
MAC-A454JP-E	ø9.52 (3/8) → ø12.7 (1/2)	ø9.52 (3/8)	ø12.7 (1/2)
MAC-A455JP-E	ø12.7 (1/2) → ø9.52 (3/8)	ø12.7 (1/2)	ø9.52 (3/8)
MAC-A456JP-E	ø12.7 (1/2) → ø15.88 (5/8)	ø12.7 (1/2)	ø15.88 (5/8)
PAC-493PI	ø6.35 (1/4) → ø9.52 (3/8)	ø6.35 (1/4)	ø9.52 (3/8)
PAC-SG76RJ-E	ø9.52 (3/8) → ø15.88 (5/8)	ø9.52 (3/8)	ø15.88 (5/8)
PAC-SG75RJ-E	ø15.88 (5/8) → ø19.05 (3/4)	ø15.88 (5/8)	ø19.05 (3/4)

Piping preparation

① Table below shows the specifications of pipes commercially available.

Outside diameter	Insulation thickness	Insulation material
mm (inch)	mm (inch)	
6.35 (1/4)	8 (5/16)	Heat resisting foam plastic 0.045 specific gravity
9.52 (3/8)	8 (5/16)	
12.7 (1/2)	8 (5/16)	
15.88 (5/8)	8 (5/16)	
19.05 (3/4)	8 (5/16)	

② Ensure that the 2 refrigerant pipes are insulated to prevent condensation.

③ Refrigerant pipe bending radius must be 4" (100 mm) or more.

⚠ **Caution:**

Be sure to use the insulation of specified thickness. Excessive thickness may cause incorrect installation of the indoor unit and branch box, and lack of thickness may cause dew drippage.

2-branch pipe (Joint): Optional parts (According to the connection method, you can choose the favorite one.

Model name	Connection method
MSDD-50AR-E	flare
MSDD-50BR-E	brazing

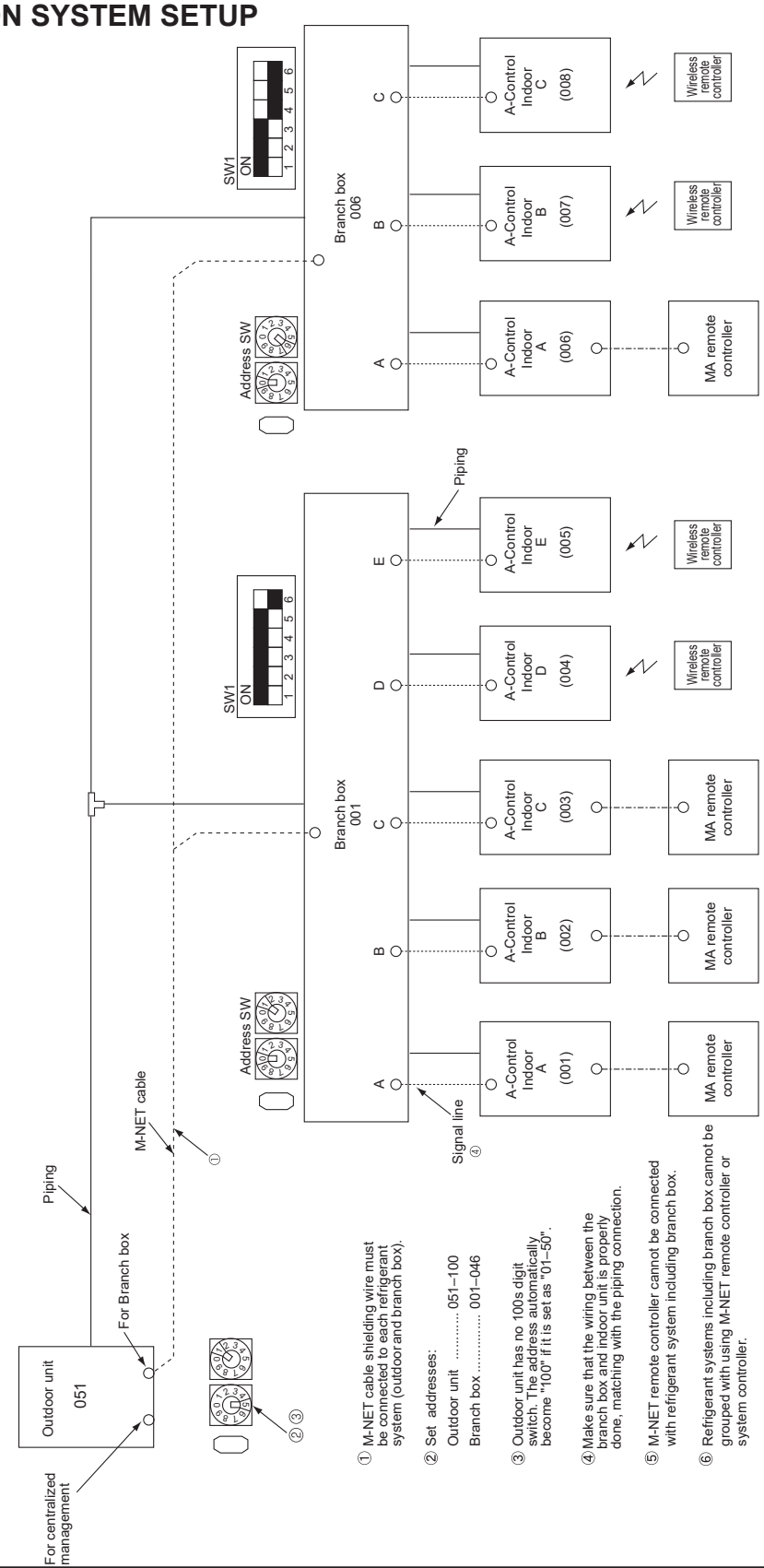
■ **Installation procedure (2 branches pipe (Joint))**

Refer to the installation manuals of MSDD-50AR-E and MSDD-50BR-E.

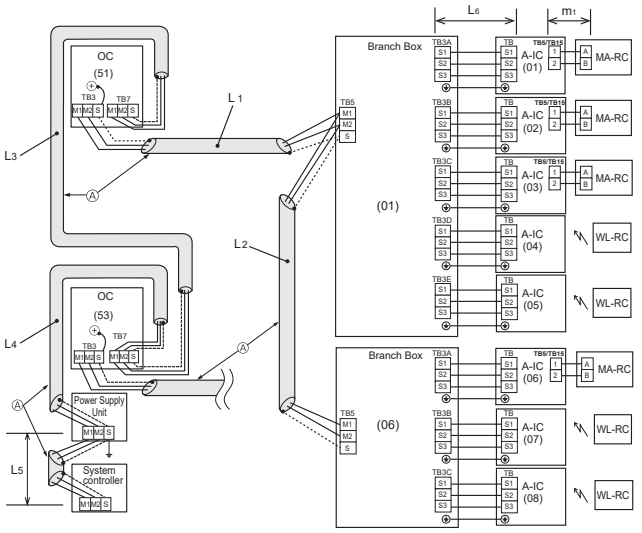
A.9.4.3 Necessary Conditions For System Construction

MXZ-8C48NA2-U1 MXZ-8C60NA2-U1
MXZ-4C36NAHZ2-U1 MXZ-5C42NAHZ2-U1 MXZ-8C48NAHZ2-U1

1. TRANSMISSION SYSTEM SETUP



2. TYPICAL CONTROL SYSTEM



MAX length via outdoor units:
$L_1 + L_2 + L_3 + L_4 + L_5 \leqq 500$ m (1640 ft.) (1.25 mm² [AWG 16] or more)
Longest transmission cable length
$L_1 + L_2$, $L_3 + L_4$, $L_5 \leqq 200$ m (656 ft.) (1.25 mm² [AWG 16] or more)

MAX transmission cable length (A-Control cable): $L_6 \leqq 25$ m (82 ft.) (2.1 mm² [AWG 14])
Remote controller cable lenght: $m_1 \leqq 200$ m (656 ft.) (0.3 to 1.25 mm² [AWG 22 to AWG 16] or more)

Note: M-NET remote controller cannot be connected with a refrigerant system which includes branch box.

(1) Difference between display and operation

① When operating the system using the system controller, details of those operations will not appear on the display of the wireless remote controller.

② The set temperature range is different in the wireless remote controller that comes with room air conditioner and the system controller. The room air conditioner has a wider range. If the target temperature is set to below 63-F [17-C] or less, or 86-F [30-C] or more by the wireless remote controller that comes with room air conditioner, the temperature displayed on the system controller may be converted to their maximum/minimum set temperature. For instance, when HEAT operation at 61-F[16-C] is set at the room air conditioner, the system controller may display 63-F [17-C].

③ When the DRY mode is set with the wireless remote controller, the room air conditioner automatically set the optimum target temperature. The system controller will display the target temperature as a set temperature.

④ When the DRY mode is set with the system controller, the room air conditioner performs the DRY mode control operation according to the temperature set with the system controller.

(2) Timer operation

① Timer operation should be set using only one controller from the remote controller that comes with the room air conditioner, the system controller or the MA remote controller. If more than one controller is used to set the timer at the same time, the timer will not function properly.

② When the timer is set with the wireless remote controller; the system controller will not show the timer display.

③ The timer set with the system controller will not be cancelled with the wireless remote controller.

(3) Manual operation prohibition

① When the manual operation (ON/OFF, set temperature, or operation mode) is prohibited with the system controller, the command to perform the prohibited operation will not be accepted from the wireless remote controller that comes with the room air conditioner. The operation partially enabled by the system controller can be operated with the wireless remote controller. Regardless of whether the operation is disabled or enabled, 3 short beeps will sound when the signal is sent from the wireless remote controller.

(4) Trouble

① If the MA remote controller or the system controller shows the abnormal indication, clear it by stopping the operation with one of the following: the MA remote controller, the system controller, or the wireless remote controller.
(Abnormal indication of the air conditioner could be recovered automatically, but that of the MA remote controller or the system controller cannot be recovered unless the operation is stopped.)

(5) Group setting

① MA group or M-NET group setting cannot be set.

(6) Restricted functions

The following functions of system controller cannot be used.

- DIDO controller (Interlock with the air conditioner)
- Fan control of energy saving control or peak cut control function
- Air conditioning charge [TG-2000A]
- Set temperature range limiting function
- Operation mode changeover limit (season changing) [PAC-SF44SRA]
- Dual set point function
- Setback mode
- Hold function
- MAC-333IF-E

A.9.5 PERFORMANCE CURVES

A.9.5.1 Inverter Heat Pump

MXZ-2C20NA2-U1 MXZ-3C24NA2-U1 MXZ-3C30NA2-U1
MXZ-4C36NA2-U1 MXZ-5C42NA2-U1
MXZ-2C20NAHZ2-U1 MXZ-3C24NAHZ2-U1 MXZ-3C30NAHZ2-U1

The standard specifications apply only to the operation of the air conditioner under normal conditions.
Since operating conditions vary according to the areas where these units are installed, the following information has been provided to clarify the operating characteristics of the air conditioner under the conditions indicated by the performance curve.

(1) GUARANTEED VOLTAGE

198 ~ 253 V 60 Hz

(2) AIR FLOW

Air flow should be set at MAX.

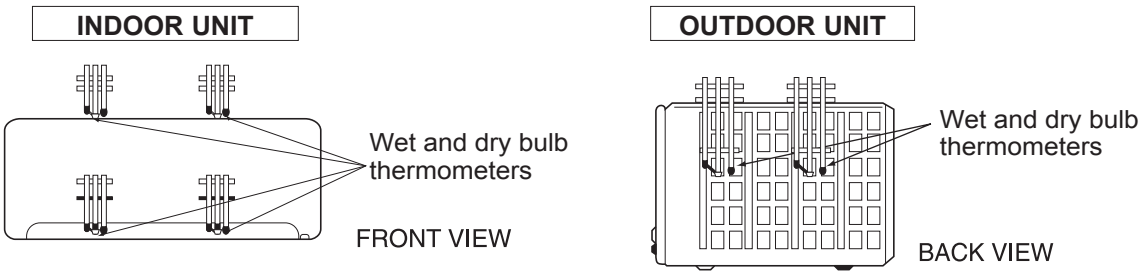
(3) MAIN READINGS

(1) Indoor intake air wet-bulb temperature :	°FWB	Cooling
(2) Indoor outlet air wet-bulb temperature :	°FWB	
(3) Outdoor intake air dry-bulb temperature :	°FDB	
(4) Total input:	W	
(5) Indoor intake air dry-bulb temperature :	°FDB	Heating
(6) Outdoor intake air wet-bulb temperature :	°FWB	
(7) Total input :	W	

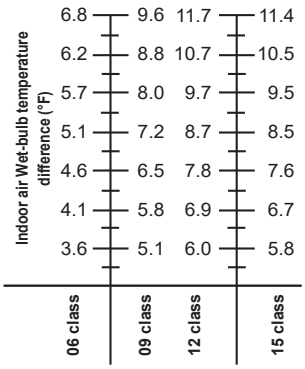
Indoor air wet and dry bulb temperature difference on the left side of the following chart shows the difference between the indoor intake air wet and dry bulb temperature and the indoor outlet air wet and dry bulb temperature for your reference at service.

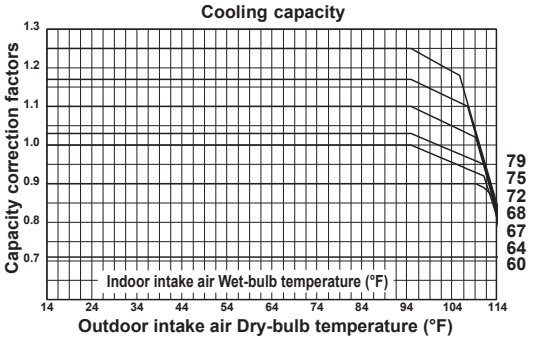
How to measure the indoor air wet and dry bulb temperature difference

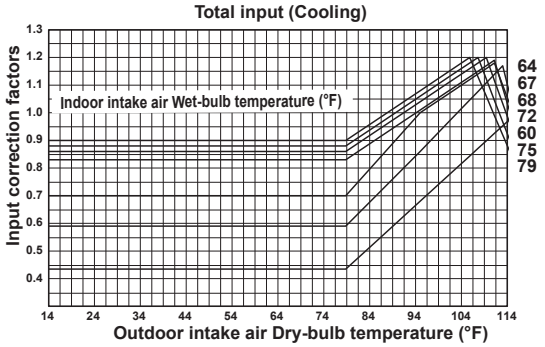
1. Attach at least 2 sets of wet and dry bulb thermometers to the indoor air intake as shown in the figure, and at least 2 sets of wet and dry bulb thermometers to the indoor air outlet. The thermometers must be attached to the position where air speed is high.
2. Attach at least 2 sets of wet and dry bulb thermometers to the outdoor air intake.
   Cover the thermometers to prevent direct rays of the sun.
3. Check that the air filter is cleaned.
4. Open windows and doors of room.
5. Press the EMERGENCY OPERATION switch once (twice) to start the EMERGENCY COOL (HEAT) MODE.
6. Compressor starts running at 33 Hz (COOL) or 45 Hz (HEAT). The frequency at each operation mode is fixed.
7. When system stabilizes after more than 15 minutes, measure temperature and take an average temperature.
8. 10 minutes later, measure temperature again and check that the temperature does not change.

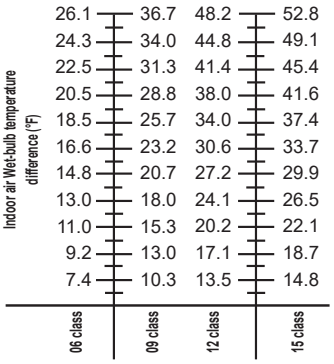


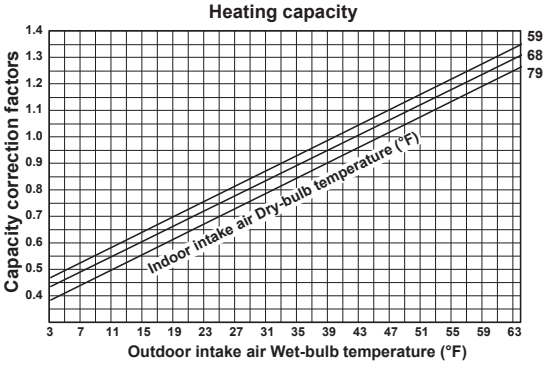
CAPACITY AND THE INPUT CURVES
MXZ-2C20NA2-U1

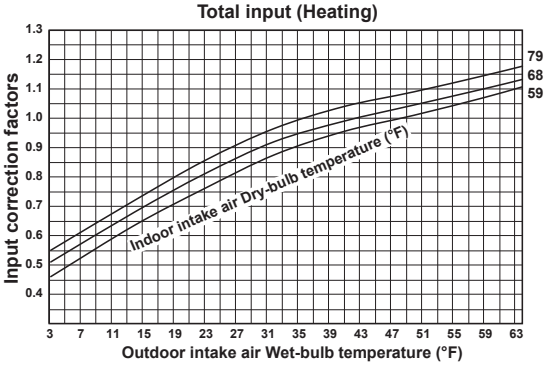




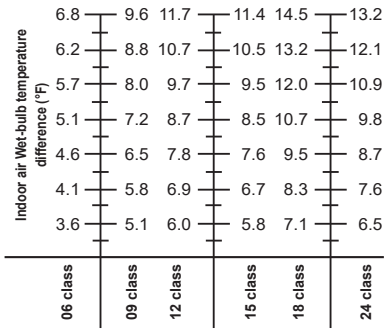


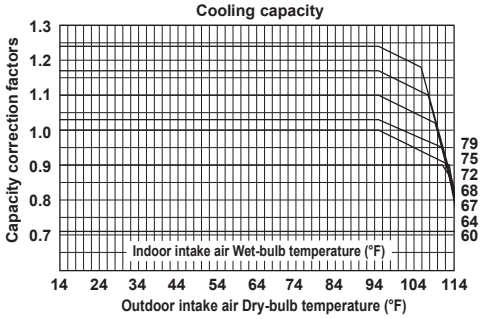


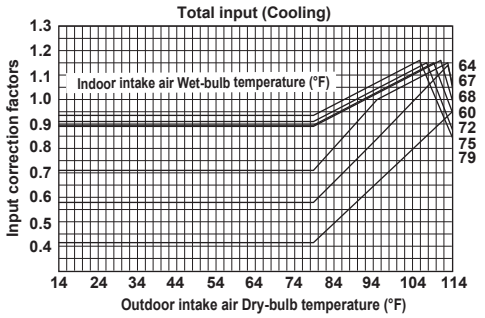


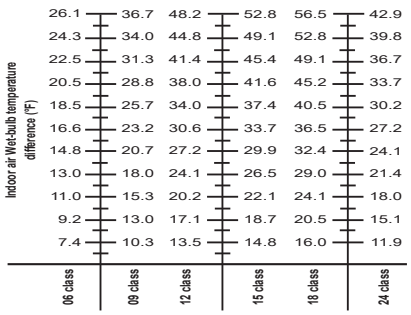


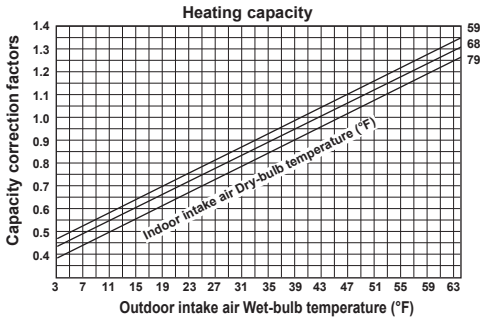
MXZ-3C24NA2-U1 MXZ-3C30NA2-U1 MXZ-4C36NA2-U1

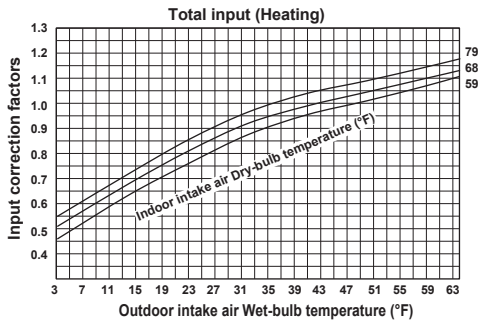




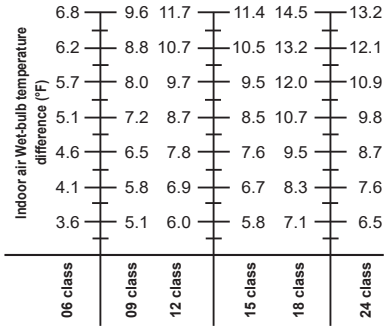


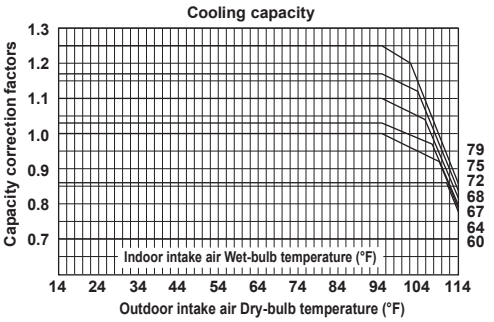


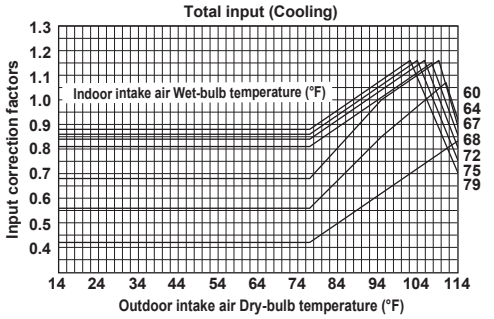


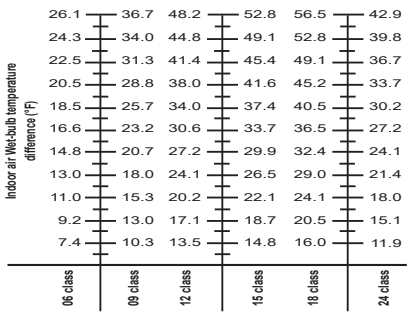


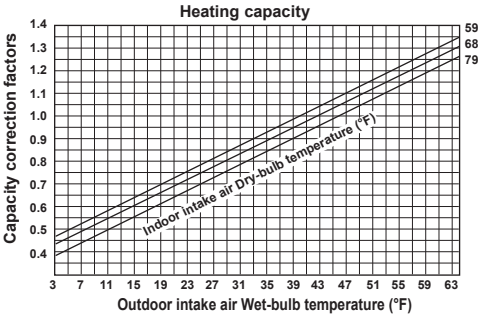
MXZ-5C42NA2-U1

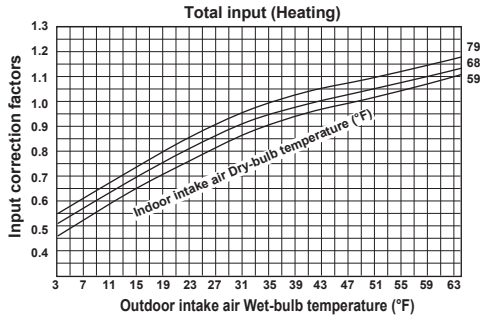




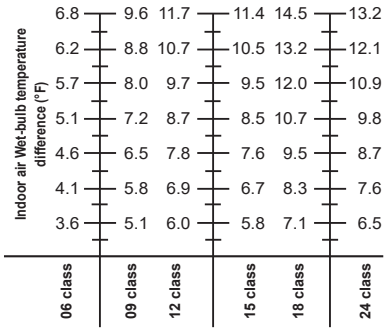


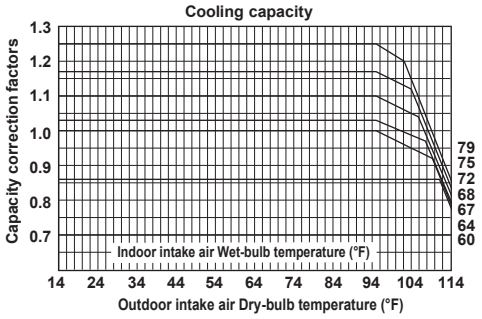


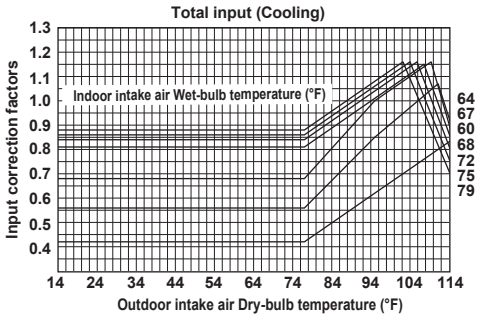


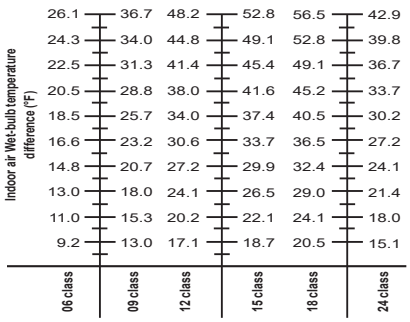


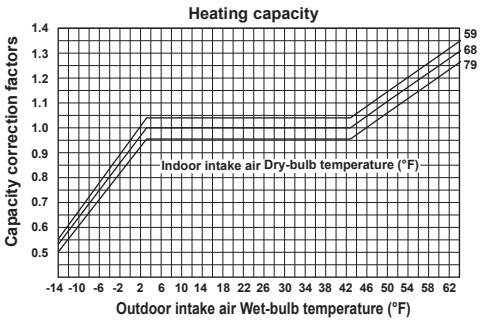
MXZ-2C20NAHZ2-U1 MXZ-3C24NAHZ2-U1 MXZ-3C30NAHZ2-U1

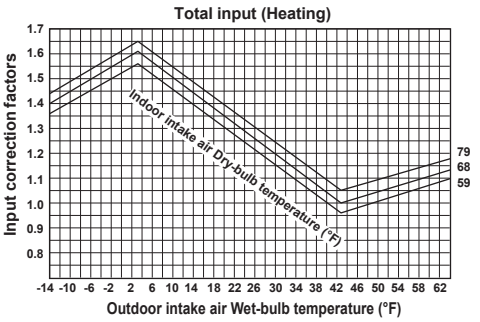






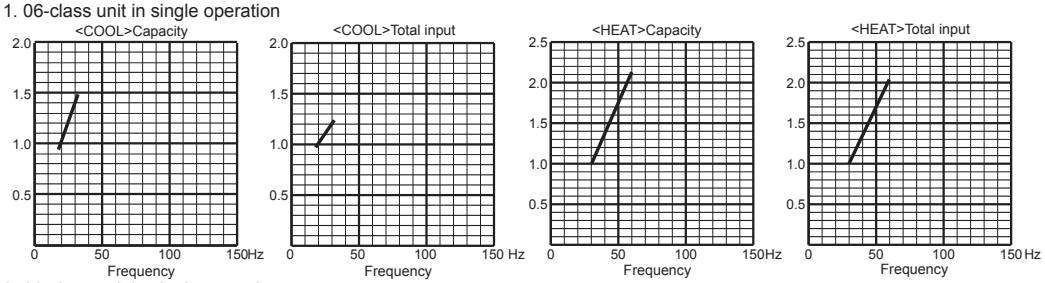




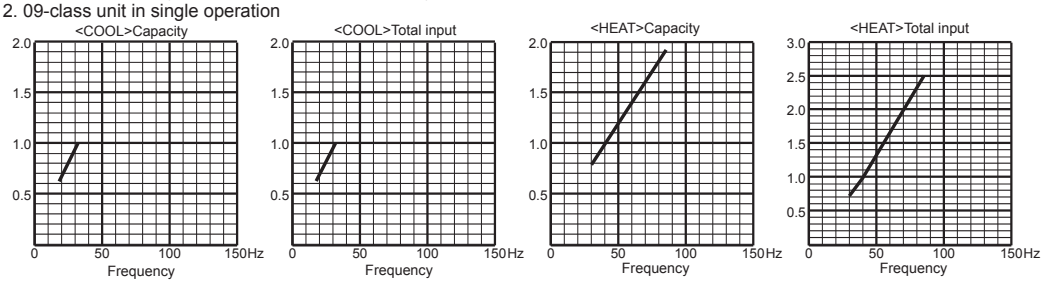


CAPACITY AND INPUT CORRECTION BY MEANS OF INVERTER OUTPUT FREQUENCY
(OUTDOOR UNIT: MXZ-2C20NA2-U1)

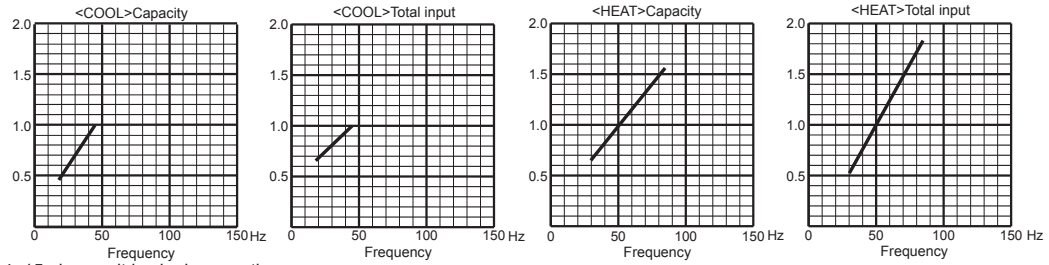
1. 06-class unit in single operation



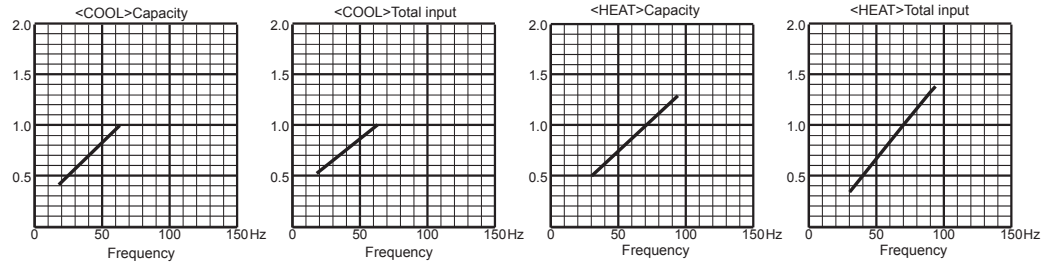
2. 09-class unit in single operation



3. 12-class unit in single operation

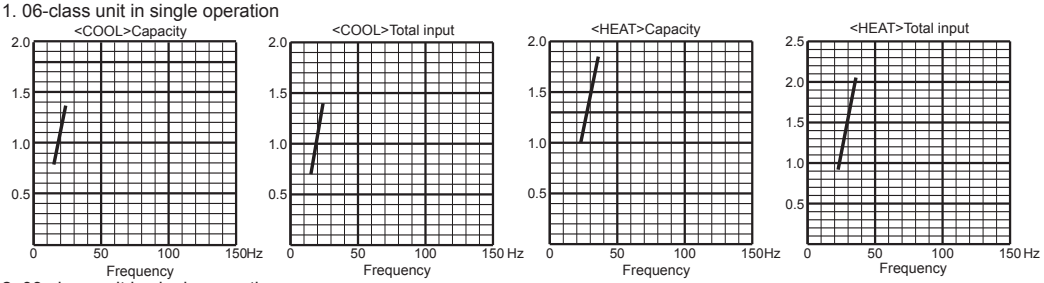


4. 15-class unit in single operation

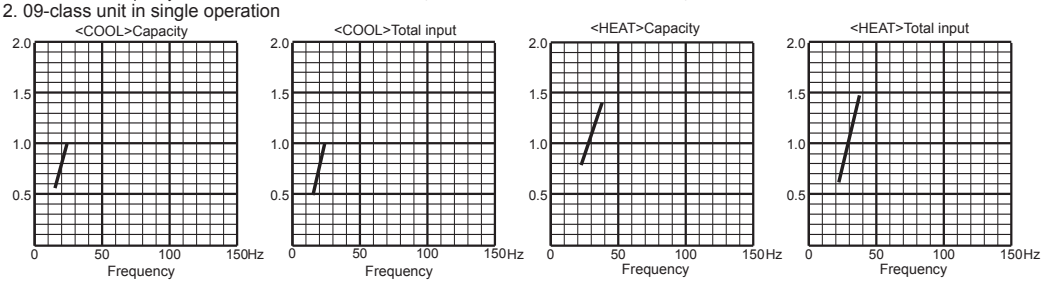


(OUTDOOR UNIT: MXZ-3C24NA2-U1 MXZ-3C30NA2-U1 MXZ-4C36NA2-U1)

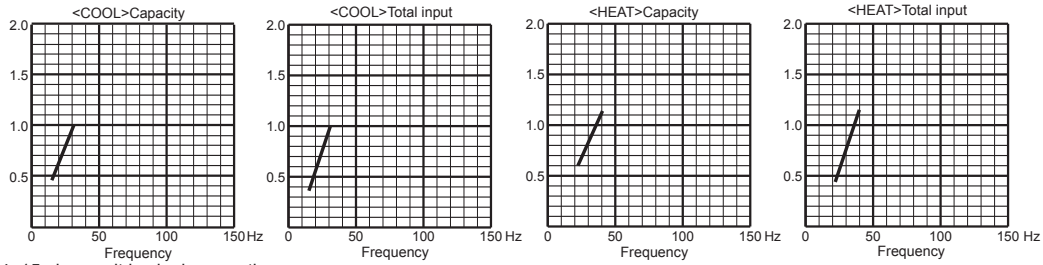
1. 06-class unit in single operation



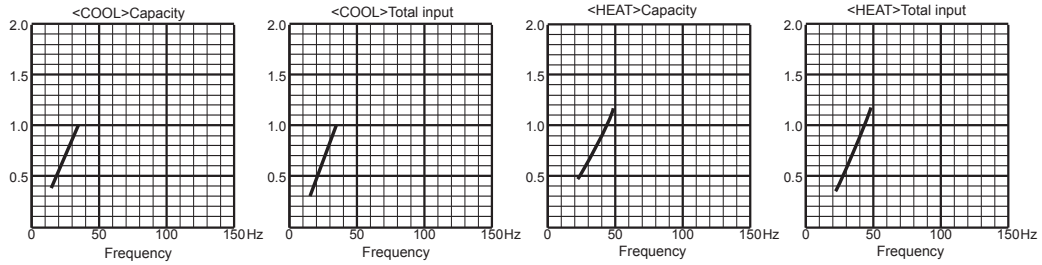
2. 09-class unit in single operation



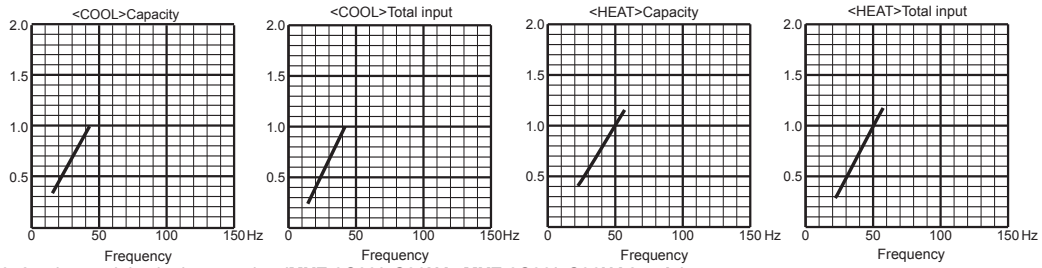
3. 12-class unit in single operation



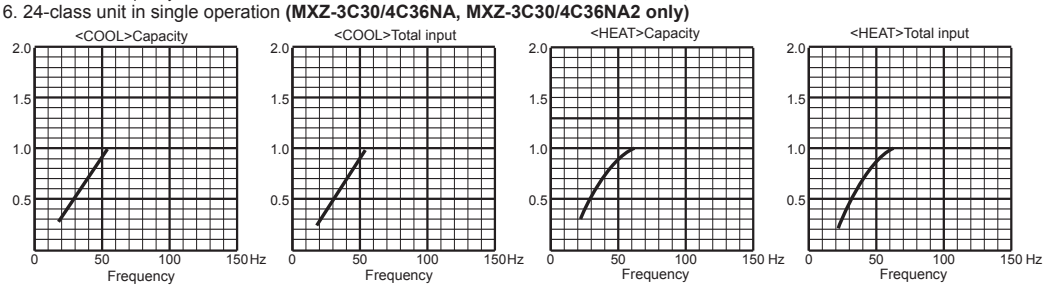
4. 15-class unit in single operation



5. 18-class unit in single operation

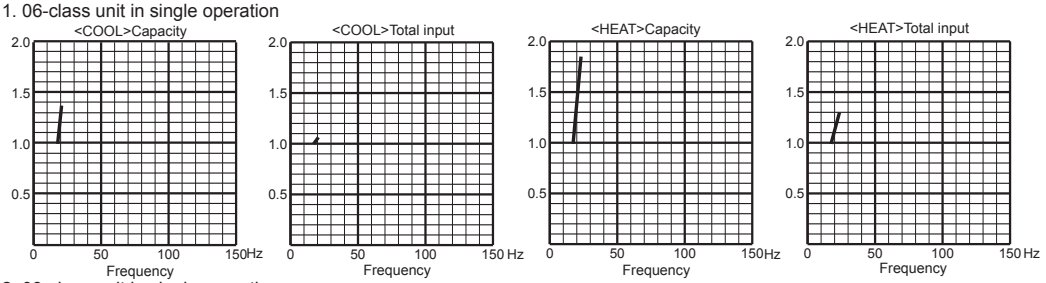


6. 24-class unit in single operation **(MXZ-3C30/4C36NA, MXZ-3C30/4C36NA2 only)**

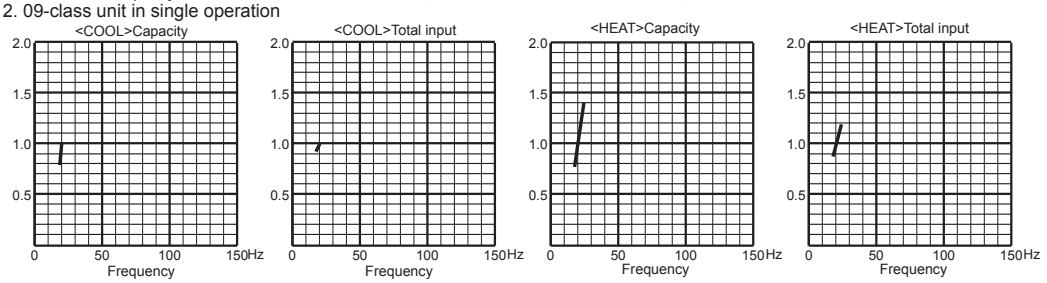


(OUTDOOR UNIT: MXZ-5C42NA2-U1 MXZ-2C20NAHZ2-U1 MXZ-3C24NAHZ2-U1 MXZ-3C30NAHZ2-U1)

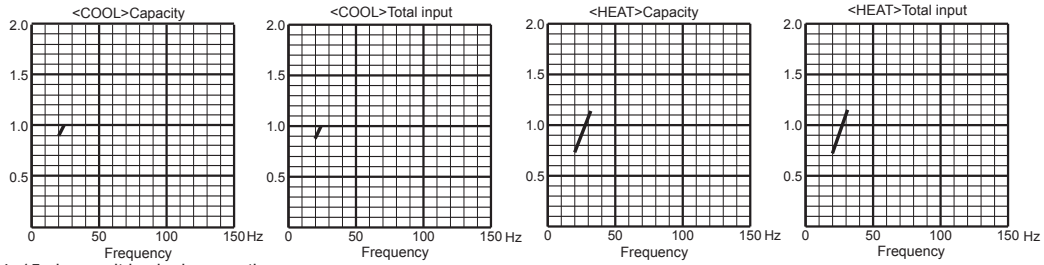
1. 06-class unit in single operation



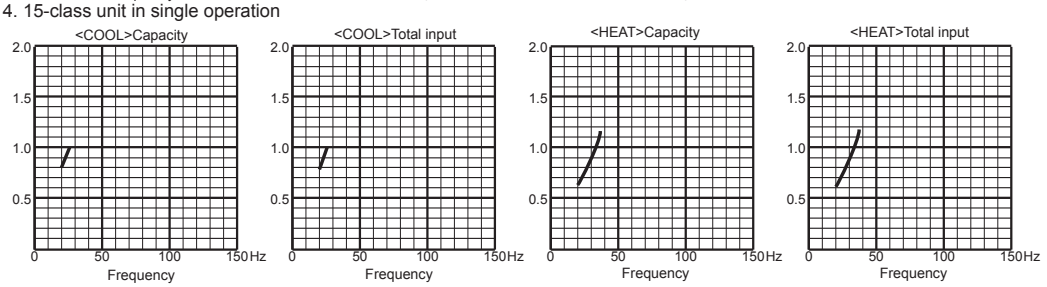
2. 09-class unit in single operation



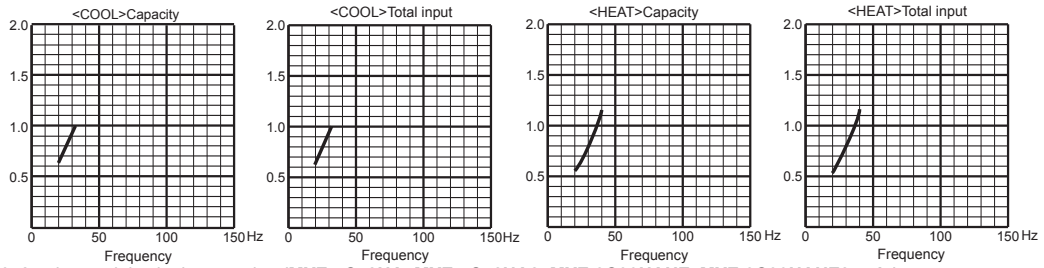
3. 12-class unit in single operation



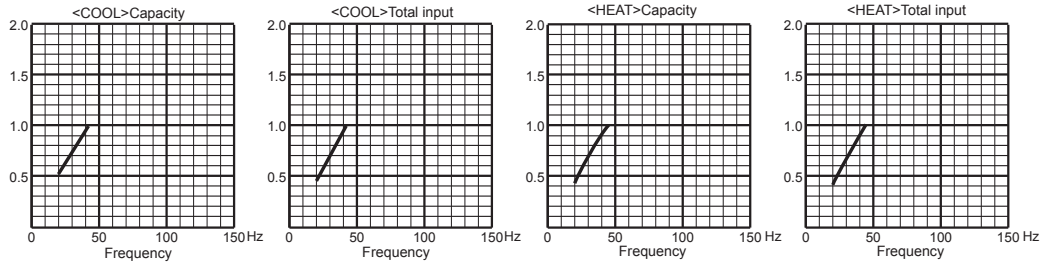
4. 15-class unit in single operation



5. 18-class unit in single operation **(MXZ-5C42NA, MXZ-5C42NA2, MXZ-3C24/30NAHZ, MXZ-3C24/30NAHZ2 only)**



6. 24-class unit in single operation **(MXZ-5C42NA, MXZ-5C42NA2, MXZ-3C30NAHZ, MXZ-3C30NAHZ2 only)**

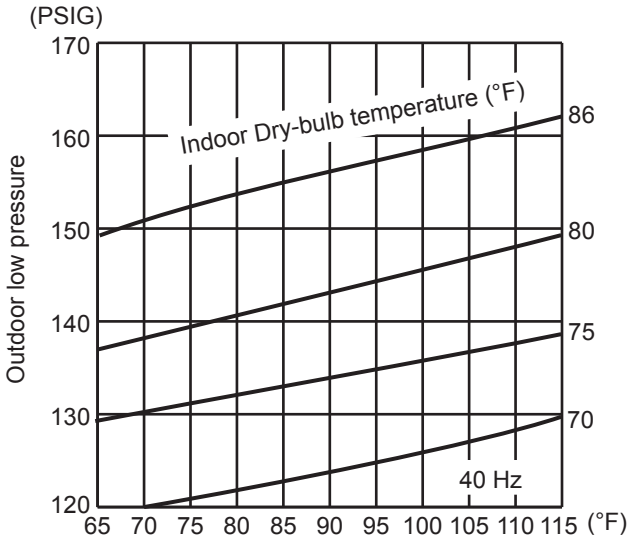


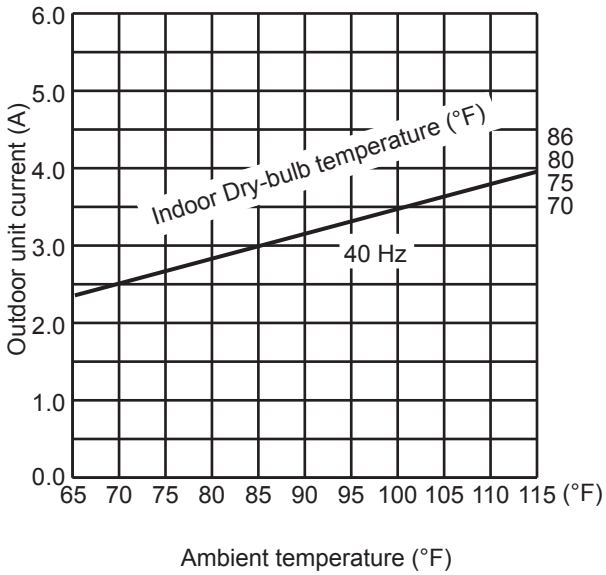
OUTDOOR LOW PRESSURE AND OUTDOOR UNIT CURRENT

1. 06-class unit in single operation
(OUTDOOR UNIT: MXZ-2C20NA2-U1)
(1) COOL operation

① Data is based on the condition of indoor humidity 50%
② Air flow speed: High
③ Inverter output frequency: 40 Hz

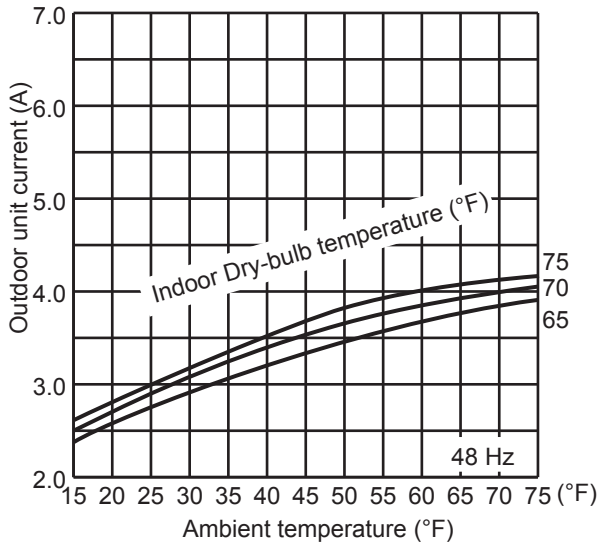
<How to work fixed-frequency operation>
1. Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2. Press emergency run ON/OFF button.
3. Compressor starts running at 40 Hz (COOL) or 48 Hz (HEAT).
4. Indoor fan runs at High speed and continues for 30 minutes.
5. To cancel this operation, press emergency run ON/OFF button or any button on remote controller.





(2) HEAT operation

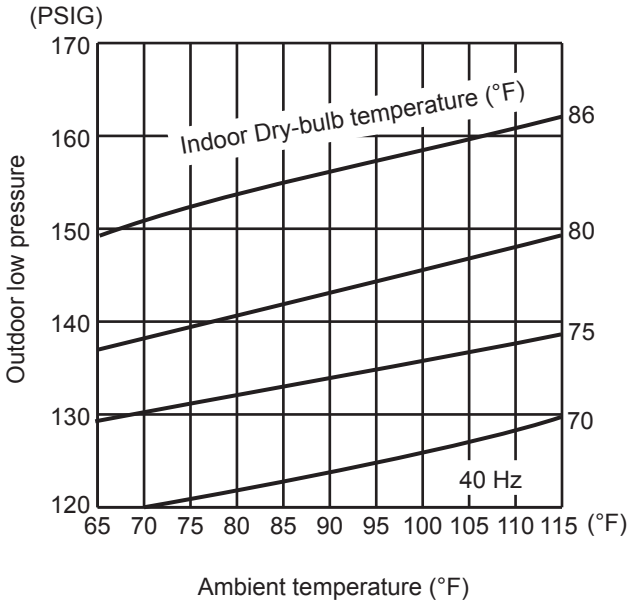
① Data is based on the condition of indoor humidity 75%
② Set air flow to High speed.
③ Inverter output frequency is 48 Hz.

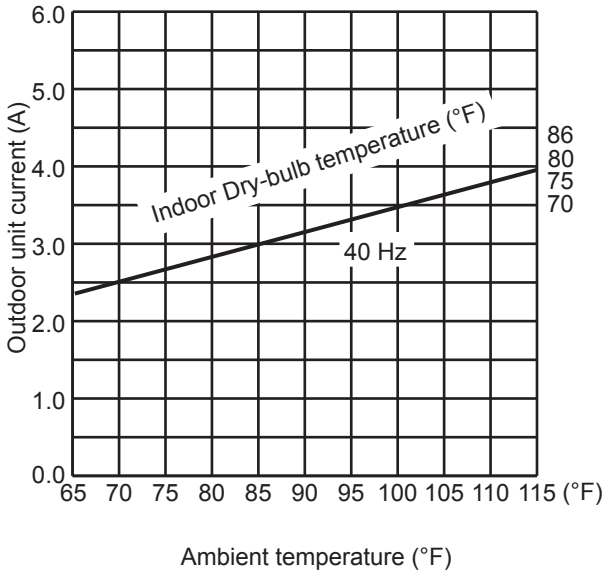


2. 09-class unit in single operation
(OUTDOOR UNIT: MXZ-2C20NA2-U1)
(1) COOL operation

① Data is based on the condition of indoor humidity 50%
② Air flow speed: High
③ Inverter output frequency: 40 Hz

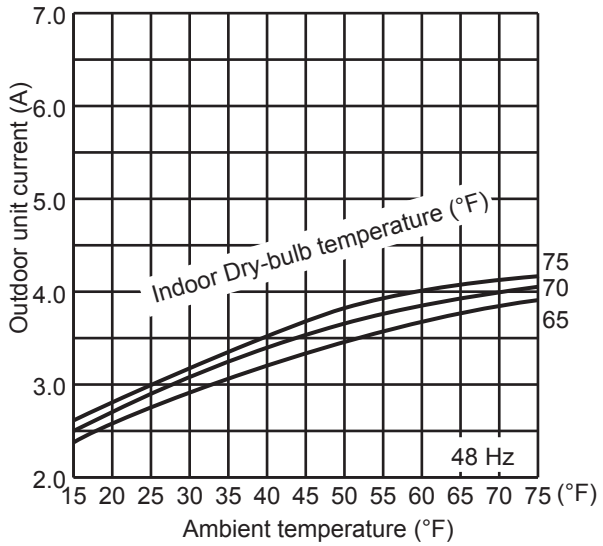
<How to work fixed-frequency operation>
1. Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2. Press emergency run ON/OFF button.
3. Compressor starts running at 40 Hz (COOL) or 48 Hz (HEAT).
4. Indoor fan runs at High speed and continues for 30 minutes.
5. To cancel this operation, press emergency run ON/OFF button or any button on remote controller.





(2) HEAT operation

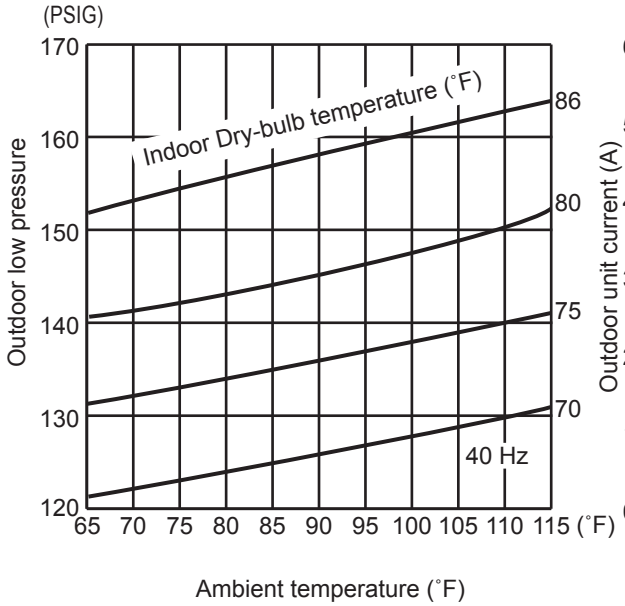
① Data is based on the condition of indoor humidity 75%
② Set air flow to High speed.
③ Inverter output frequency is 48 Hz.

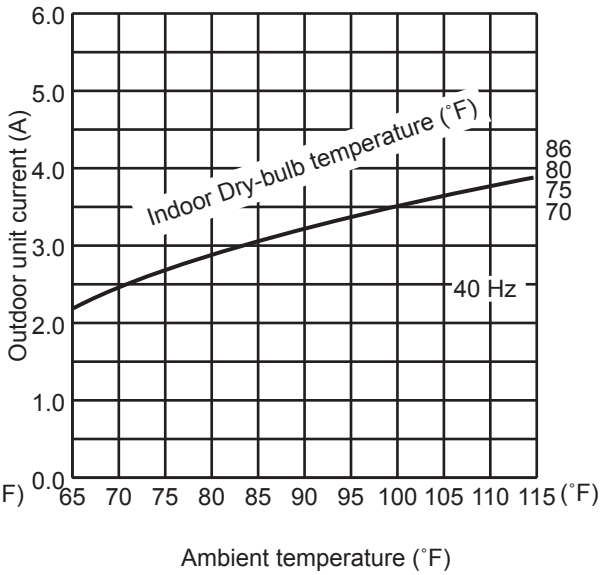


3. 12-class unit in single operation
(OUTDOOR UNIT: MXZ-2C20NA2-U1)
(1) COOL operation

① Data is based on the condition of indoor humidity 50%
② Air flow speed: High
③ Inverter output frequency: 40 Hz

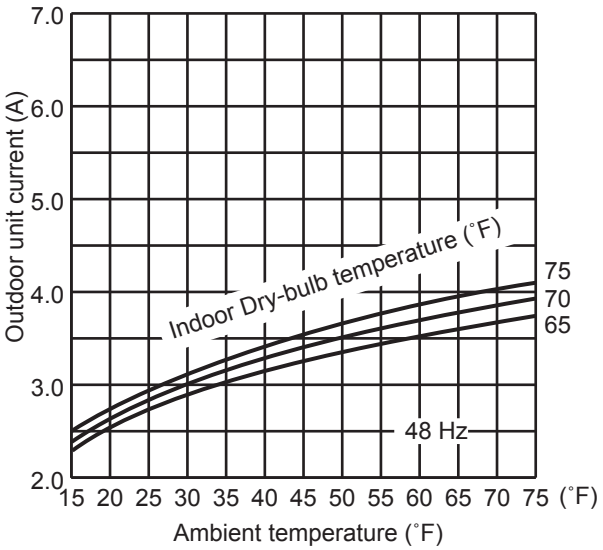
<How to work fixed-frequency operation>
1. Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2. Press emergency run ON/OFF button.
3. Compressor starts running at 40 Hz (COOL) or 48 Hz (HEAT).
4. Indoor fan runs at High speed and continues for 30 minutes.
5. To cancel this operation, press emergency run ON/OFF button or any button on remote controller.





(2) HEAT operation

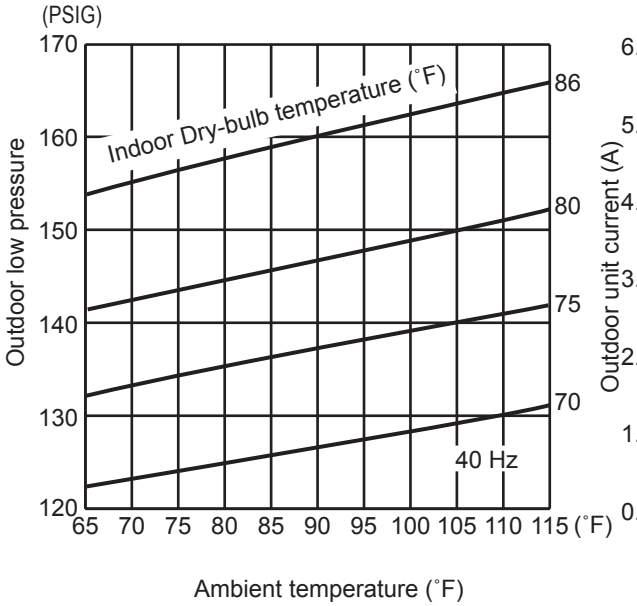
① Data is based on the condition of indoor humidity 75%
② Set air flow to High speed.
③ Inverter output frequency is 48 Hz.

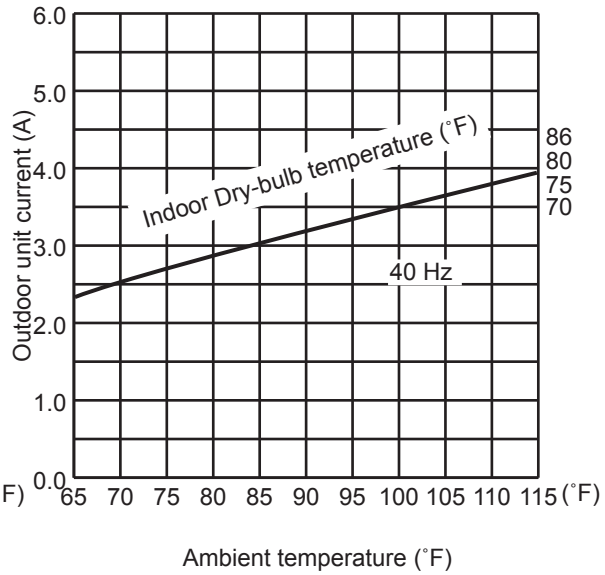


4. 15-class unit in single operation
(OUTDOOR UNIT: MXZ-2C20NA2-U1)
(1) COOL operation

① Data is based on the condition of indoor humidity 50%
② Air flow speed: High
③ Inverter output frequency: 40 Hz

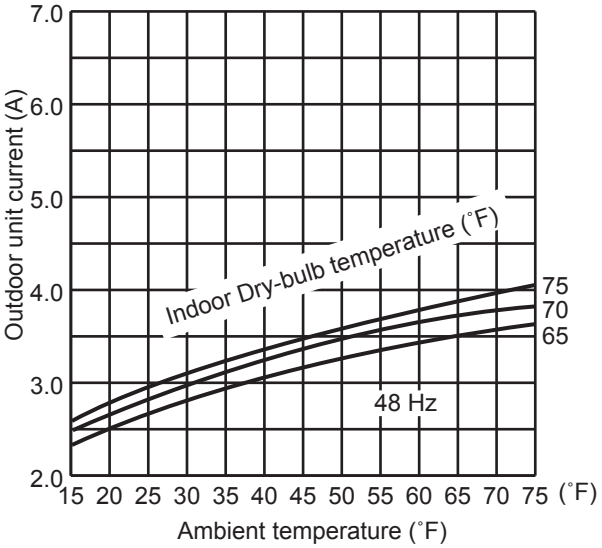
<How to work fixed-frequency operation>
1. Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2. Press emergency run ON/OFF button.
3. Compressor starts running at 40 Hz (COOL) or 48 Hz (HEAT).
4. Indoor fan runs at High speed and continues for 30 minutes.
5. To cancel this operation, press emergency run ON/OFF button or any button on remote controller.





(2) HEAT operation

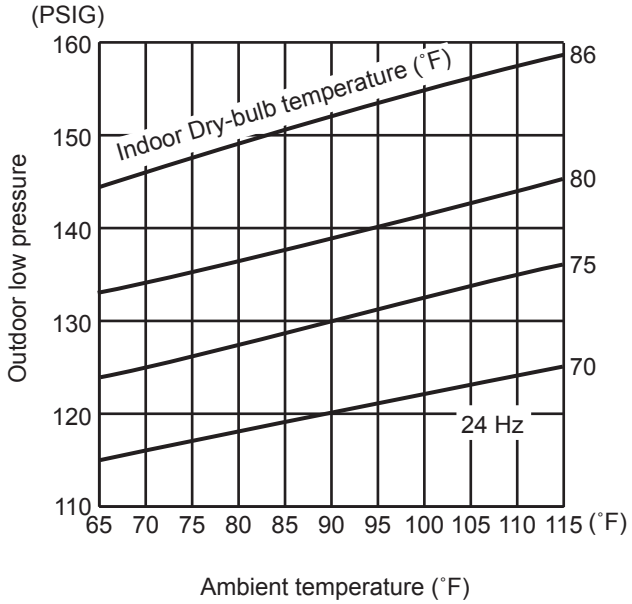
① Data is based on the condition of indoor humidity 75%
② Set air flow to High speed.
③ Inverter output frequency is 48 Hz.

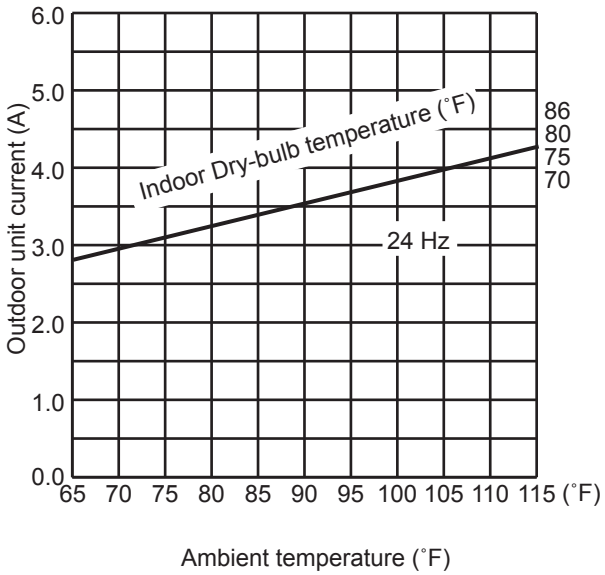


5. 06-class unit in single operation
(OUTDOOR UNIT: MXZ-3C24NA2-U1 MXZ-3C30NA2-U1 MXZ-4C36NA2-U1)
(1) COOL operation

① Data is based on the condition of indoor humidity 50%
② Air flow speed: High
③ Inverter output frequency: 24 Hz

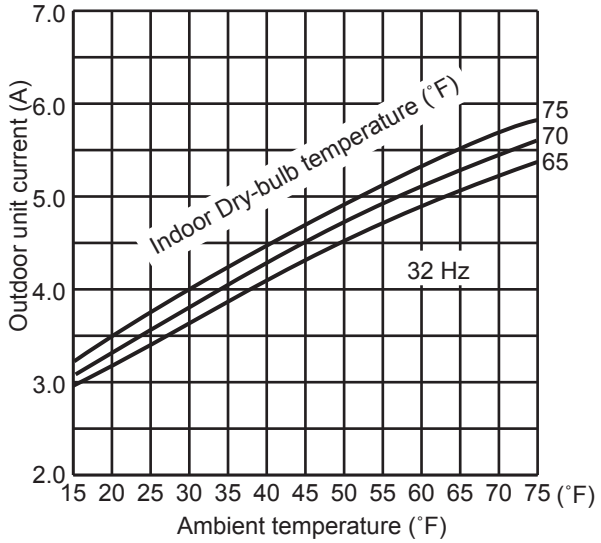
<How to work fixed-frequency operation>
1. Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2. Press emergency run ON/OFF button.
3. Compressor starts running at 24 Hz (COOL) or 32 Hz (HEAT).
4. Indoor fan runs at High speed and continues for 30 minutes.
5. To cancel this operation, press emergency run ON/OFF button or any button on remote controller.





(2) HEAT operation

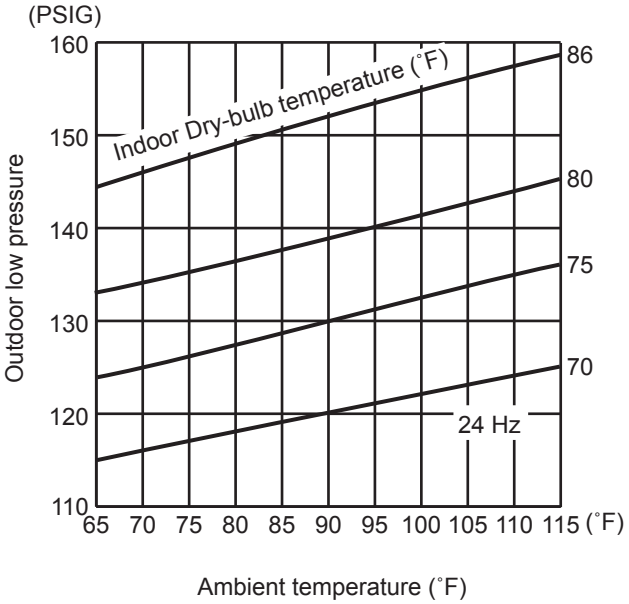
① Data is based on the condition of outdoor humidity 75%.
② Set air flow to High speed.
③ Inverter output frequency is 32 Hz.

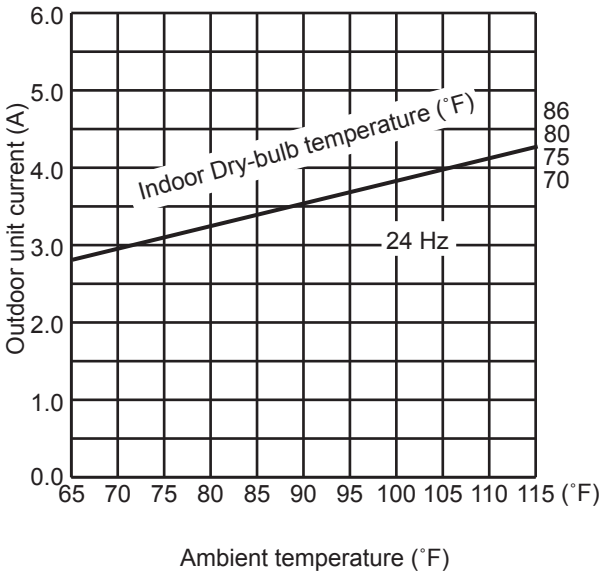


5. 09-class unit in single operation
(OUTDOOR UNIT: MXZ-3C24NA2-U1 MXZ-3C30NA2-U1 MXZ-4C36NA2-U1)
(1) COOL operation

① Data is based on the condition of indoor humidity 50%
② Air flow speed: High
③ Inverter output frequency: 24 Hz

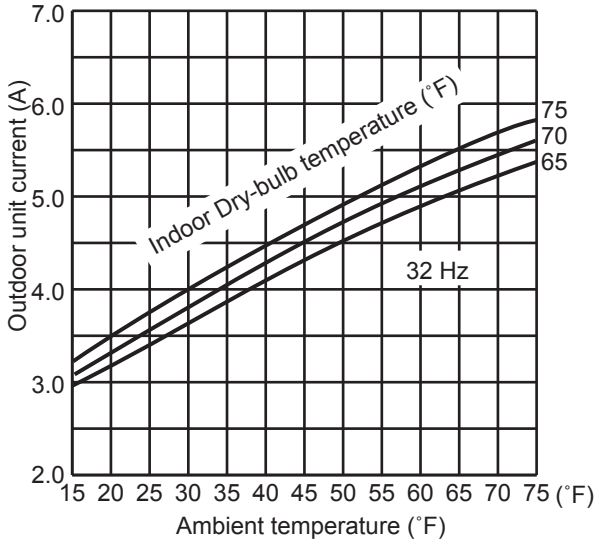
<How to work fixed-frequency operation>
1. Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2. Press emergency run ON/OFF button.
3. Compressor starts running at 24 Hz (COOL) or 32 Hz (HEAT).
4. Indoor fan runs at High speed and continues for 30 minutes.
5. To cancel this operation, press emergency run ON/OFF button or any button on remote controller.





(2) HEAT operation

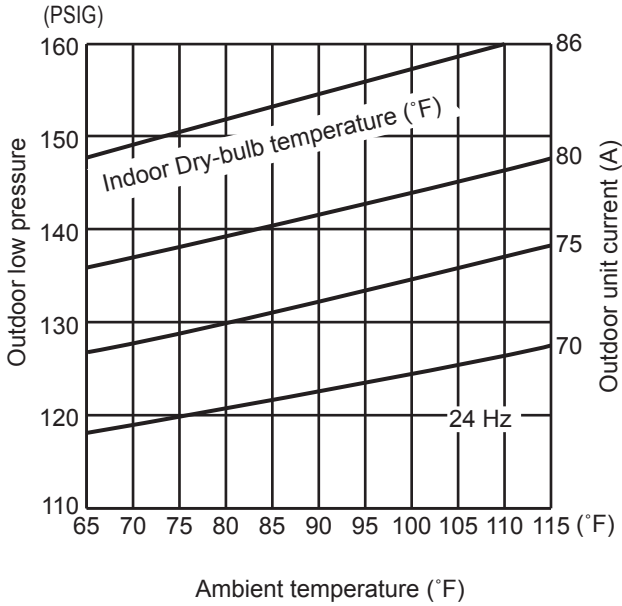
① Data is based on the condition of outdoor humidity 75%.
② Set air flow to High speed.
③ Inverter output frequency is 32 Hz.

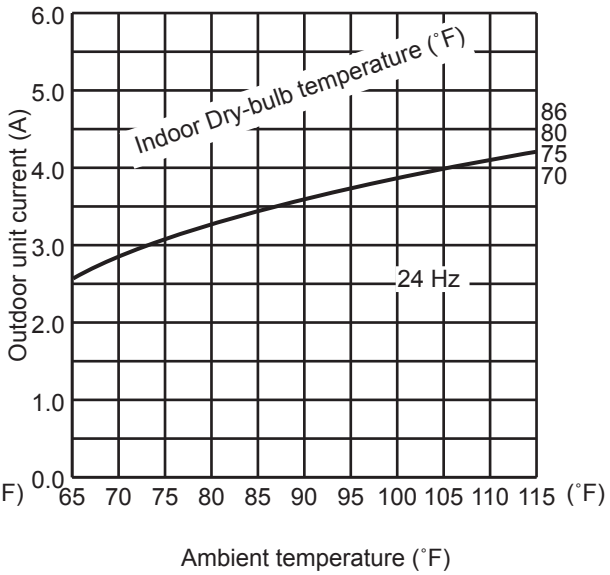


7. 12-class unit in single operation
(OUTDOOR UNIT: MXZ-3C24NA2-U1 MXZ-3C30NA2-U1 MXZ-4C36NA2-U1)
(1) COOL operation

① Data is based on the condition of indoor humidity 50%
② Air flow speed: High
③ Inverter output frequency: 24 Hz

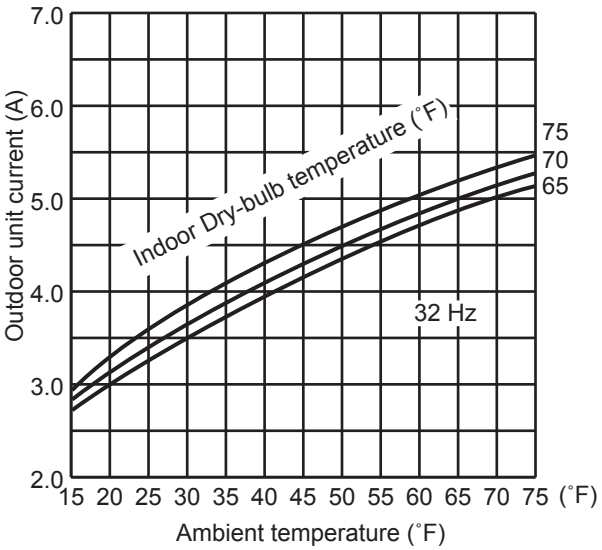
<How to work fixed-frequency operation>
1. Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2. Press emergency run ON/OFF button.
3. Compressor starts running at 24 Hz (COOL) or 32 Hz (HEAT).
4. Indoor fan runs at High speed and continues for 30 minutes.
5. To cancel this operation, press emergency run ON/OFF button or any button on remote controller.





(2) HEAT operation

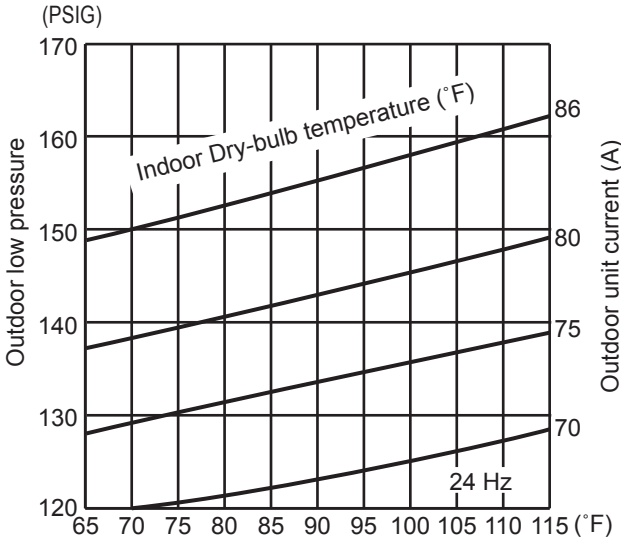
① Data is based on the condition of outdoor humidity 75%.
② Set air flow to High speed.
③ Inverter output frequency is 32 Hz.

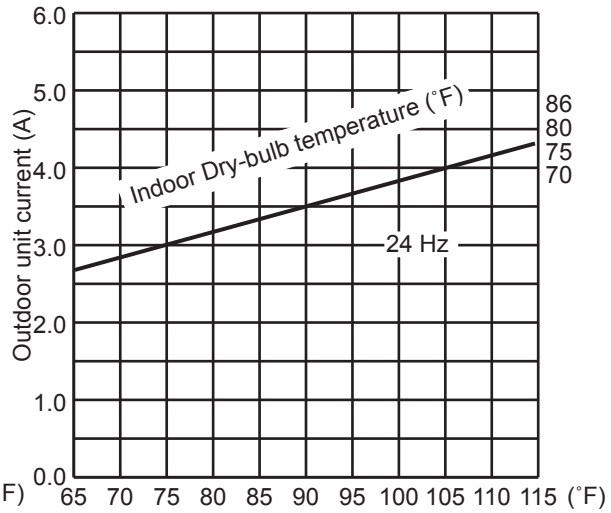


8. 15-class unit in single operation
(OUTDOOR UNIT: MXZ-3C24NA2-U1 MXZ-3C30NA2-U1 MXZ-4C36NA2-U1)
(1) COOL operation

① Data is based on the condition of indoor humidity 50%
② Air flow speed: High
③ Inverter output frequency: 24 Hz

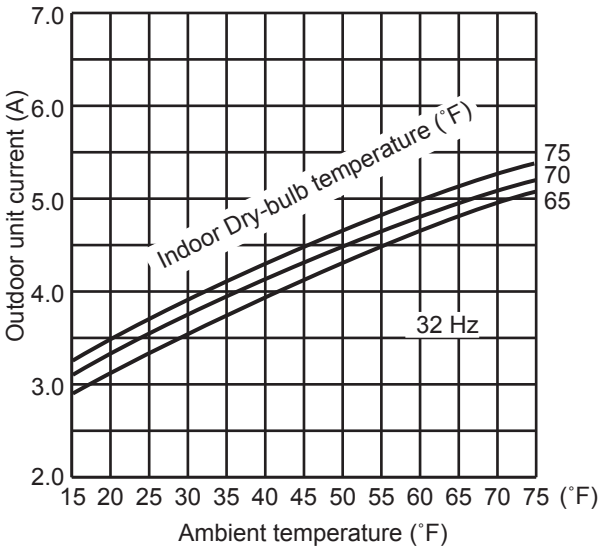
<How to work fixed-frequency operation>
1. Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2. Press emergency run ON/OFF button.
3. Compressor starts running at 24 Hz (COOL) or 32 Hz (HEAT).
4. Indoor fan runs at High speed and continues for 30 minutes.
5. To cancel this operation, press emergency run ON/OFF button or any button on remote controller.





(2) HEAT operation

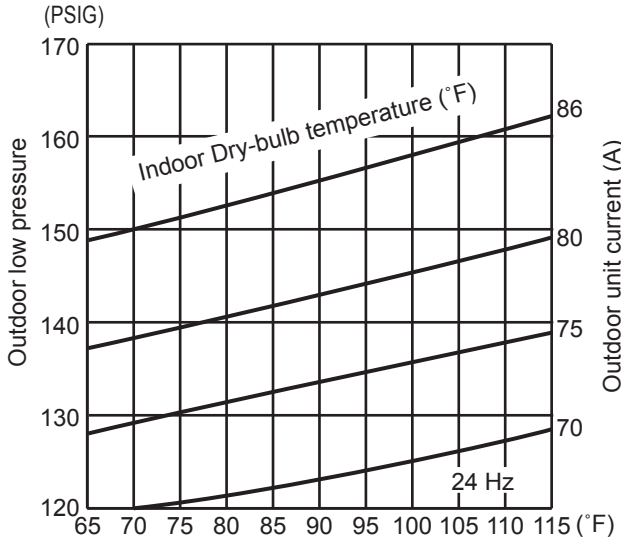
① Data is based on the condition of outdoor humidity 75%
② Set air flow to High speed.
③ Inverter output frequency is 32 Hz.

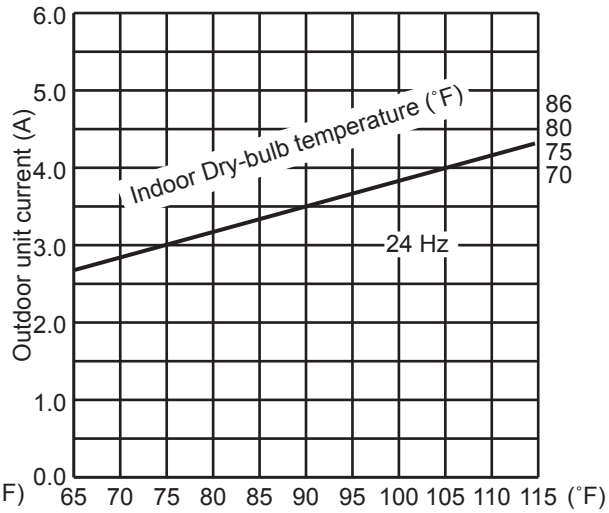


9. 18-class unit in single operation
(OUTDOOR UNIT: MXZ-3C24NA2-U1 MXZ-3C30NA2-U1 MXZ-4C36NA2-U1)
(1) COOL operation

① Data is based on the condition of indoor humidity 50%
② Air flow speed: High
③ Inverter output frequency: 24 Hz

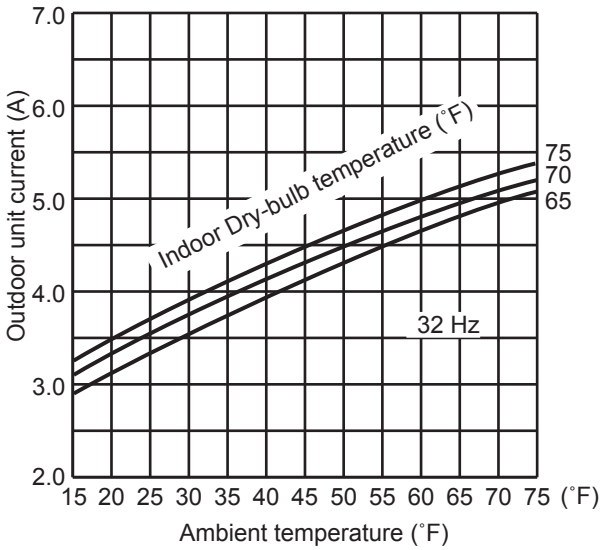
<How to work fixed-frequency operation>
1. Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2. Press emergency run ON/OFF button.
3. Compressor starts running at 24 Hz (COOL) or 32 Hz (HEAT).
4. Indoor fan runs at High speed and continues for 30 minutes.
5. To cancel this operation, press emergency run ON/OFF button or any button on remote controller.





(2) HEAT operation

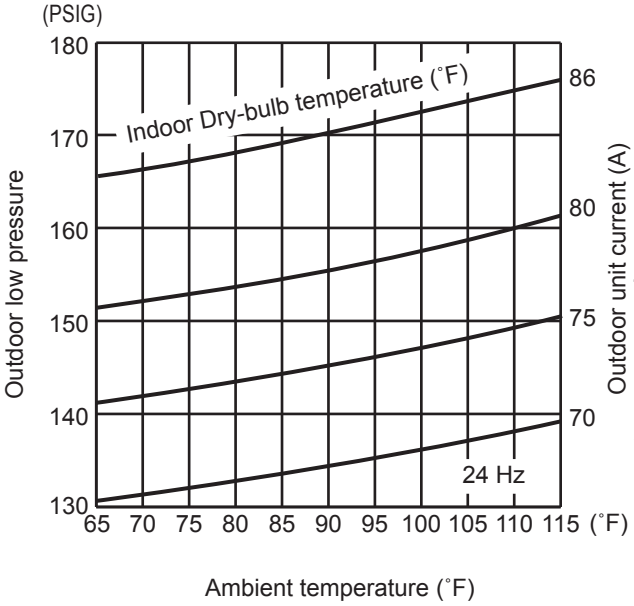
① Data is based on the condition of outdoor humidity 75%.
② Set air flow to High speed.
③ Inverter output frequency is 32 Hz.

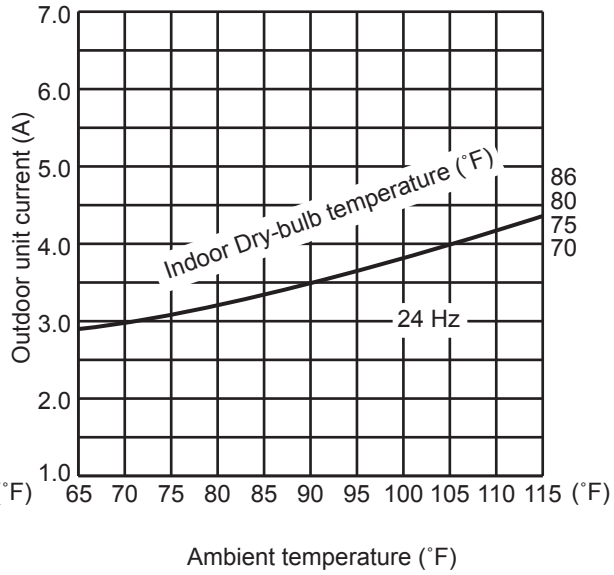


10. 24-class unit in single operation
(OUTDOOR UNIT: MXZ-3C30NA2-U1 MXZ-4C36NA2-U1)
(1) COOL operation

① Data is based on the condition of indoor humidity 50%
② Air flow speed: High
③ Inverter output frequency: 24 Hz

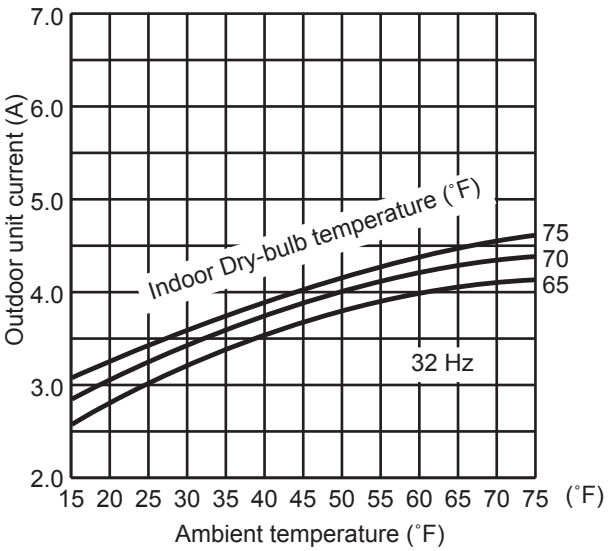
<How to work fixed-frequency operation>
1. Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2. Press emergency run ON/OFF button.
3. Compressor starts running at 24 Hz (COOL) or 32 Hz (HEAT).
4. Indoor fan runs at High speed and continues for 30 minutes.
5. To cancel this operation, press emergency run ON/OFF button or any button on remote controller.





(2) HEAT operation

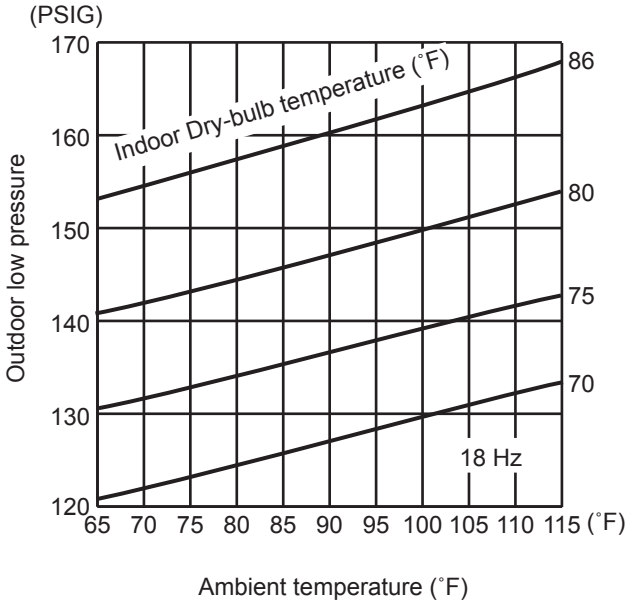
① Data is based on the condition of outdoor humidity 75%
② Set air flow to High speed.
③ Inverter output frequency is 32 Hz.

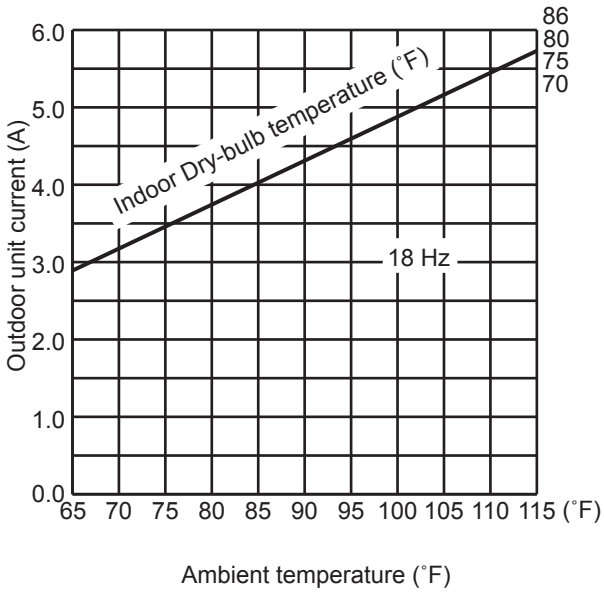


11. 06-class unit in single operation
(OUTDOOR UNIT: MXZ-5C42NA2-U1 MXZ-2C20NAHZ2-U1 MXZ-3C24NAHZ2-U1 MXZ-3C30NAHZ2-U1)
(1) COOL operation

① Data is based on the condition of indoor humidity 50%
② Air flow speed: High
③ Inverter output frequency: 18 Hz

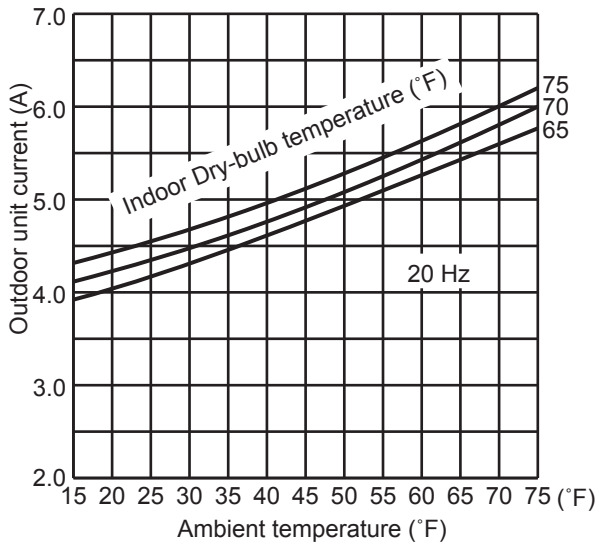
<How to work fixed-frequency operation>
1. Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2. Press emergency run ON/OFF button.
3. Compressor starts running at 18 Hz (COOL) or 20 Hz (HEAT).
4. Indoor fan runs at High speed and continues for 30 minutes.
5. To cancel this operation, press emergency run ON/OFF button or any button on remote controller.





(2) HEAT operation

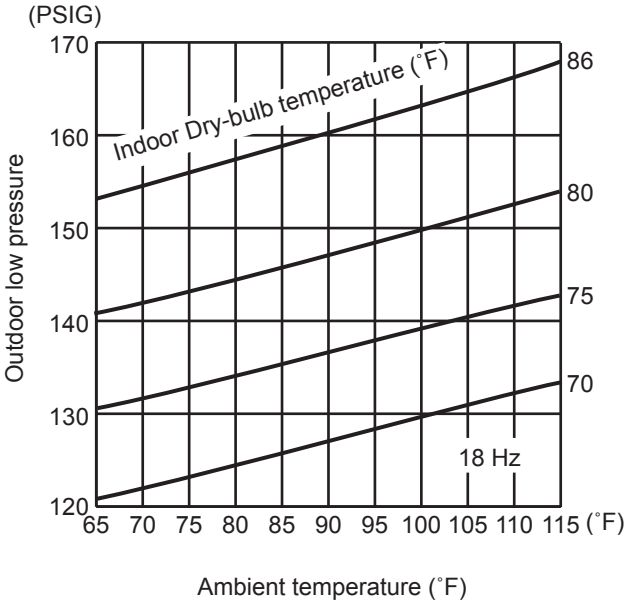
① Data is based on the condition of outdoor humidity 75%.
② Set air flow to High speed.
③ Inverter output frequency is 20 Hz.

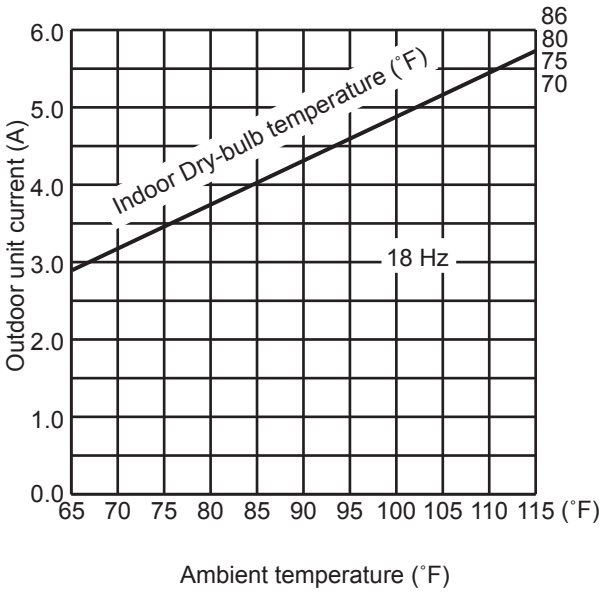


12. 09-class unit in single operation
(OUTDOOR UNIT: MXZ-5C42NA2-U1 MXZ-2C20NAHZ2-U1 MXZ-3C24NAHZ2-U1 MXZ-3C30NAHZ2-U1)
(1) COOL operation

① Data is based on the condition of indoor humidity 50%
② Air flow speed: High
③ Inverter output frequency: 18 Hz

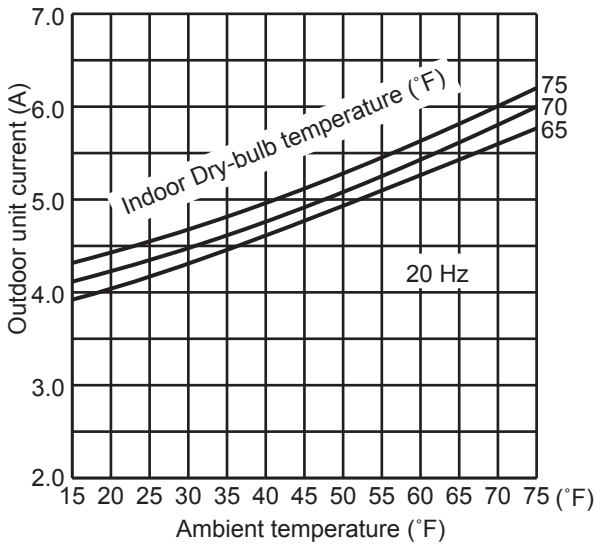
<How to work fixed-frequency operation>
1. Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2. Press emergency run ON/OFF button.
3. Compressor starts running at 18 Hz (COOL) or 20 Hz (HEAT).
4. Indoor fan runs at High speed and continues for 30 minutes.
5. To cancel this operation, press emergency run ON/OFF button or any button on remote controller.





(2) HEAT operation

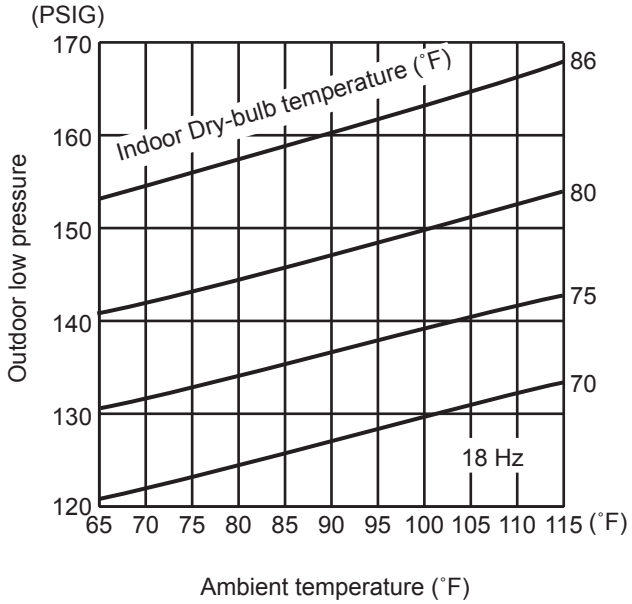
① Data is based on the condition of outdoor humidity 75%.
② Set air flow to High speed.
③ Inverter output frequency is 20 Hz.

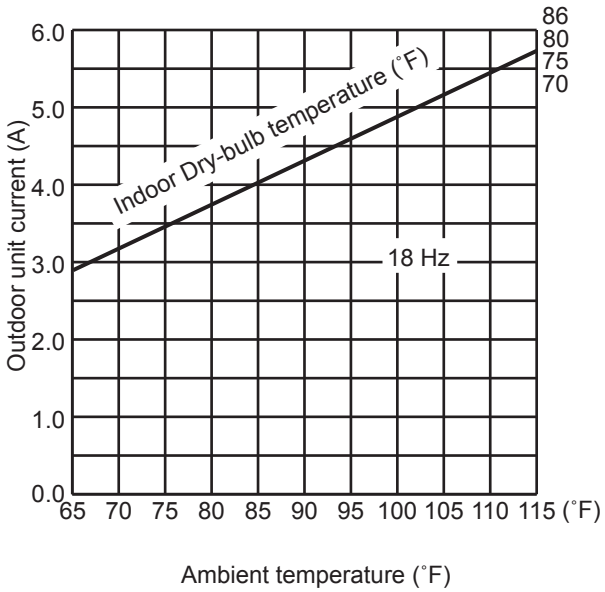


13. 12-class unit in single operation
(OUTDOOR UNIT: MXZ-5C42NA2-U1 MXZ-2C20NAHZ2-U1 MXZ-3C24NAHZ2-U1 MXZ-3C30NAHZ2-U1)
(1) COOL operation

① Data is based on the condition of indoor humidity 50%
② Air flow speed: High
③ Inverter output frequency: 18 Hz

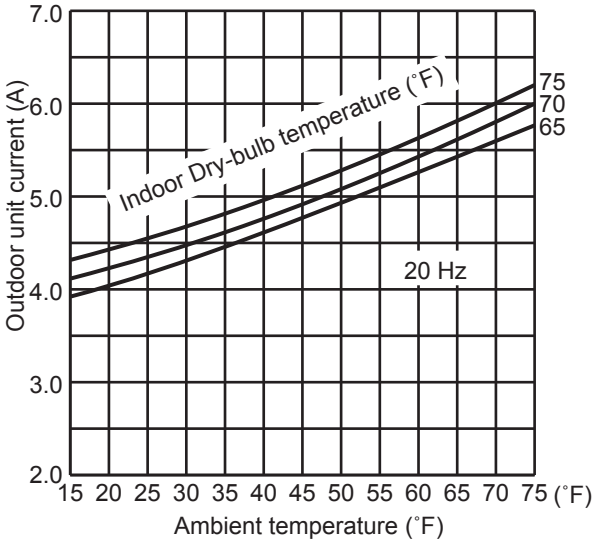
<How to work fixed-frequency operation>
1. Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2. Press emergency run ON/OFF button.
3. Compressor starts running at 18 Hz (COOL) or 20 Hz (HEAT).
4. Indoor fan runs at High speed and continues for 30 minutes.
5. To cancel this operation, press emergency run ON/OFF button or any button on remote controller.





(2) HEAT operation

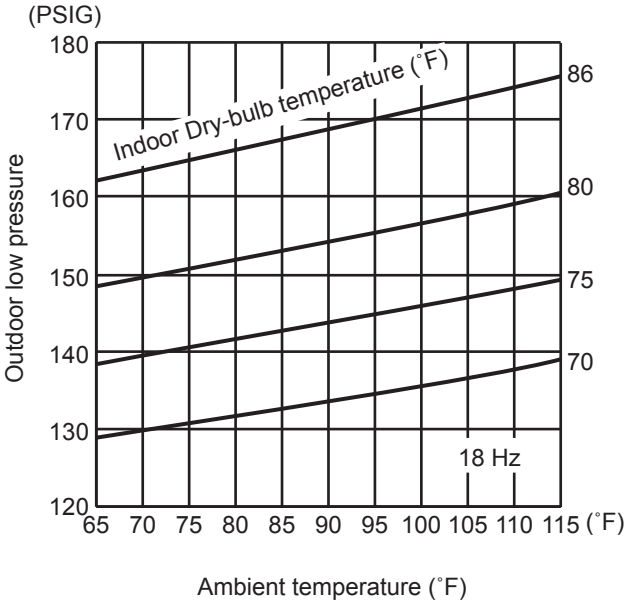
① Data is based on the condition of outdoor humidity 75%.
② Set air flow to High speed.
③ Inverter output frequency is 20 Hz.

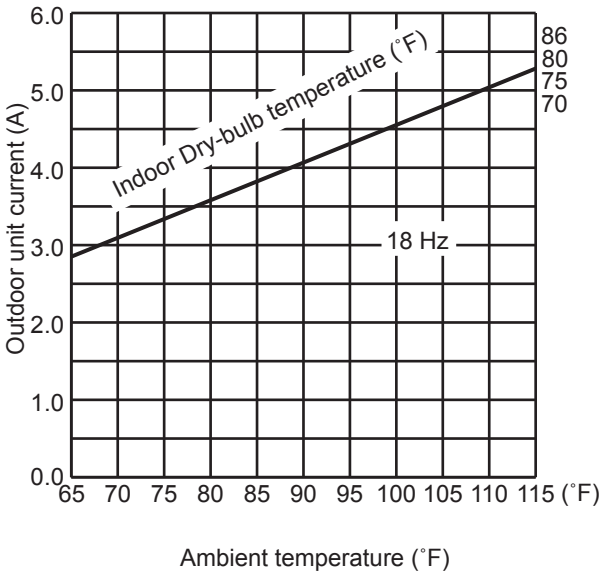


14. 15-class unit in single operation
(OUTDOOR UNIT: MXZ-5C42NA2-U1 MXZ-2C20NAHZ2-U1 MXZ-3C24NAHZ2-U1 MXZ-3C30NAHZ2-U1)
(1) COOL operation

① Data is based on the condition of indoor humidity 50%
② Air flow speed: High
③ Inverter output frequency: 18 Hz

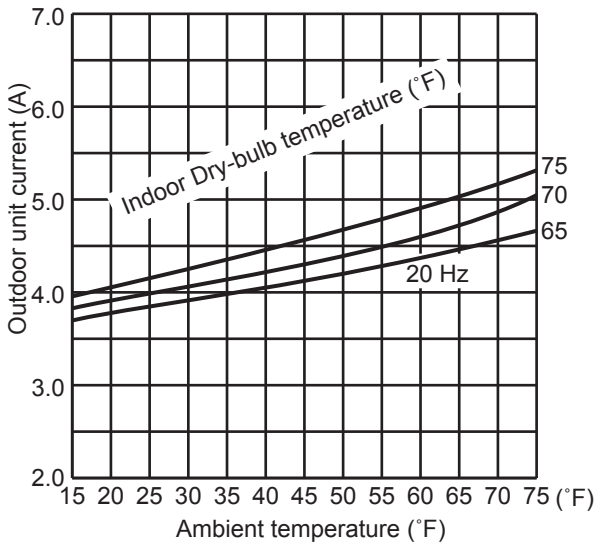
<How to work fixed-frequency operation>
1. Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2. Press emergency run ON/OFF button.
3. Compressor starts running at 18 Hz (COOL) or 20 Hz (HEAT).
4. Indoor fan runs at High speed and continues for 30 minutes.
5. To cancel this operation, press emergency run ON/OFF button or any button on remote controller.





(2) HEAT operation

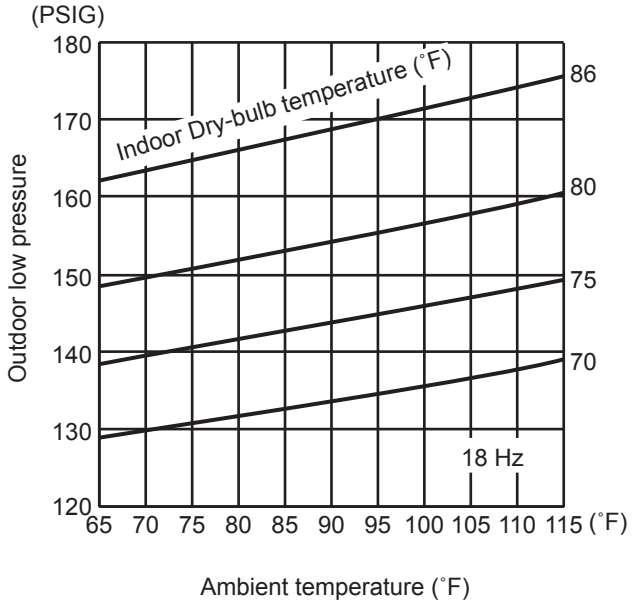
① Data is based on the condition of outdoor humidity 75%.
② Set air flow to High speed.
③ Inverter output frequency is 20 Hz.

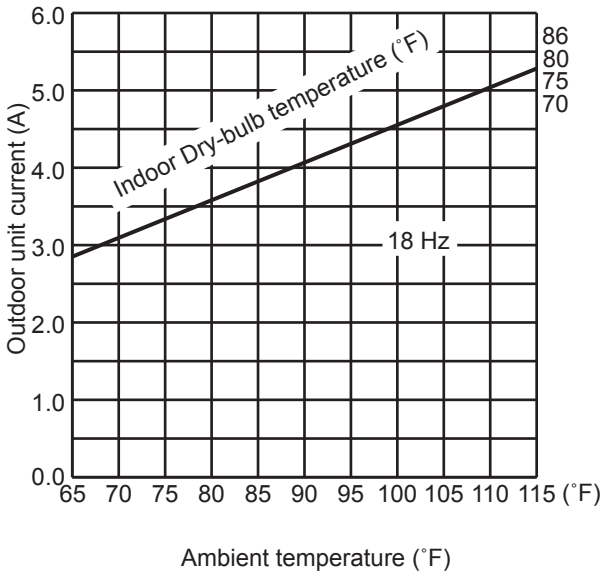


15. 18-class unit in single operation
(OUTDOOR UNIT: MXZ-5C42NA2-U1 MXZ-3C24NAHZ2-U1 MXZ-3C30NAHZ2-U1)
(1) COOL operation

① Data is based on the condition of indoor humidity 50%
② Air flow speed: High
③ Inverter output frequency: 18 Hz

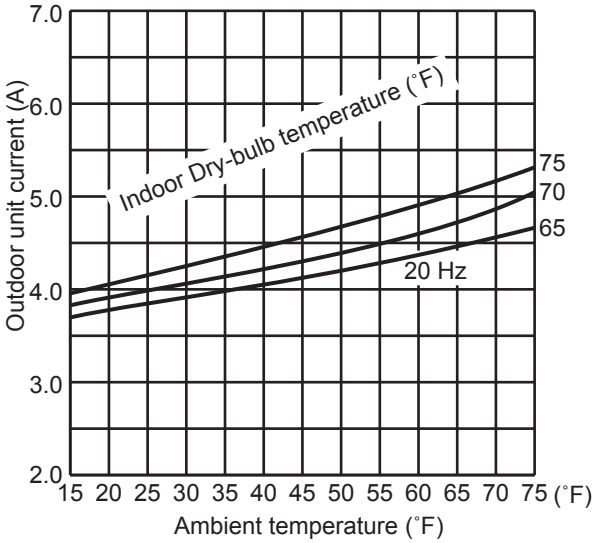
<How to work fixed-frequency operation>
1. Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2. Press emergency run ON/OFF button.
3. Compressor starts running at 18 Hz (COOL) or 20 Hz (HEAT).
4. Indoor fan runs at High speed and continues for 30 minutes.
5. To cancel this operation, press emergency run ON/OFF button or any button on remote controller.





(2) HEAT operation

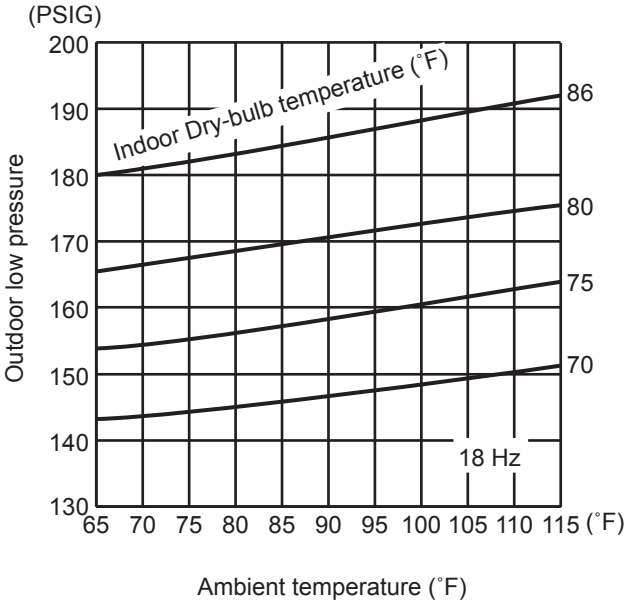
① Data is based on the condition of outdoor humidity 75%.
② Set air flow to High speed.
③ Inverter output frequency is 20 Hz.

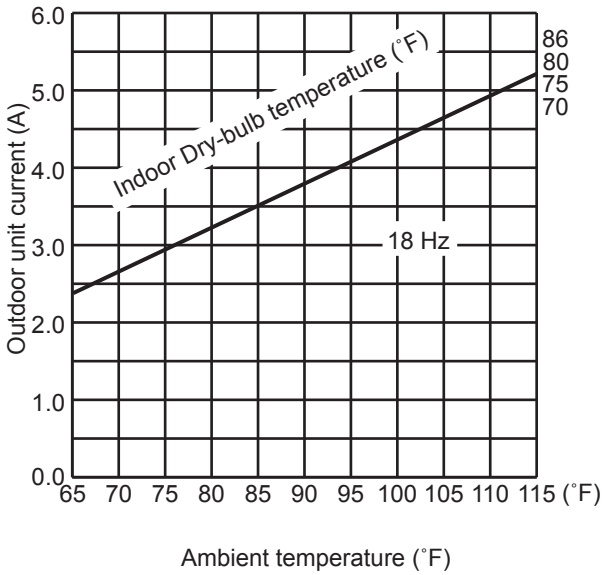


16. 24-class unit in single operation
(OUTDOOR UNIT: MXZ-5C42NA2-U1 MXZ-3C30NAHZ2-U1)
(1) COOL operation

① Data is based on the condition of indoor humidity 50%
② Air flow speed: High
③ Inverter output frequency: 18 Hz

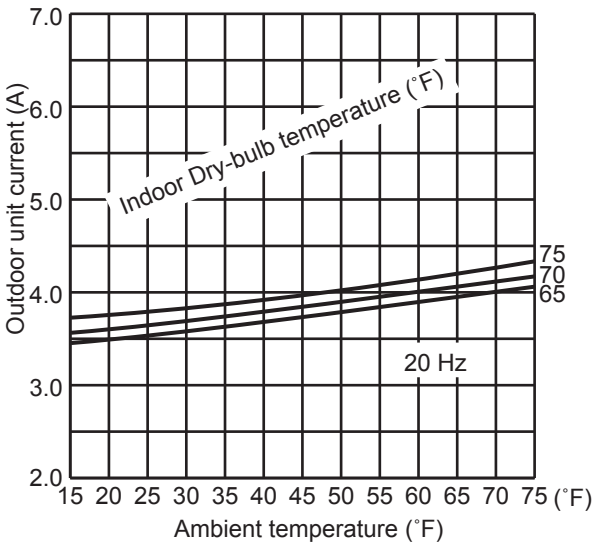
<How to work fixed-frequency operation>
1. Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2. Press emergency run ON/OFF button.
3. Compressor starts running at 18 Hz (COOL) or 20 Hz (HEAT).
4. Indoor fan runs at High speed and continues for 30 minutes.
5. To cancel this operation, press emergency run ON/OFF button or any button on remote controller.





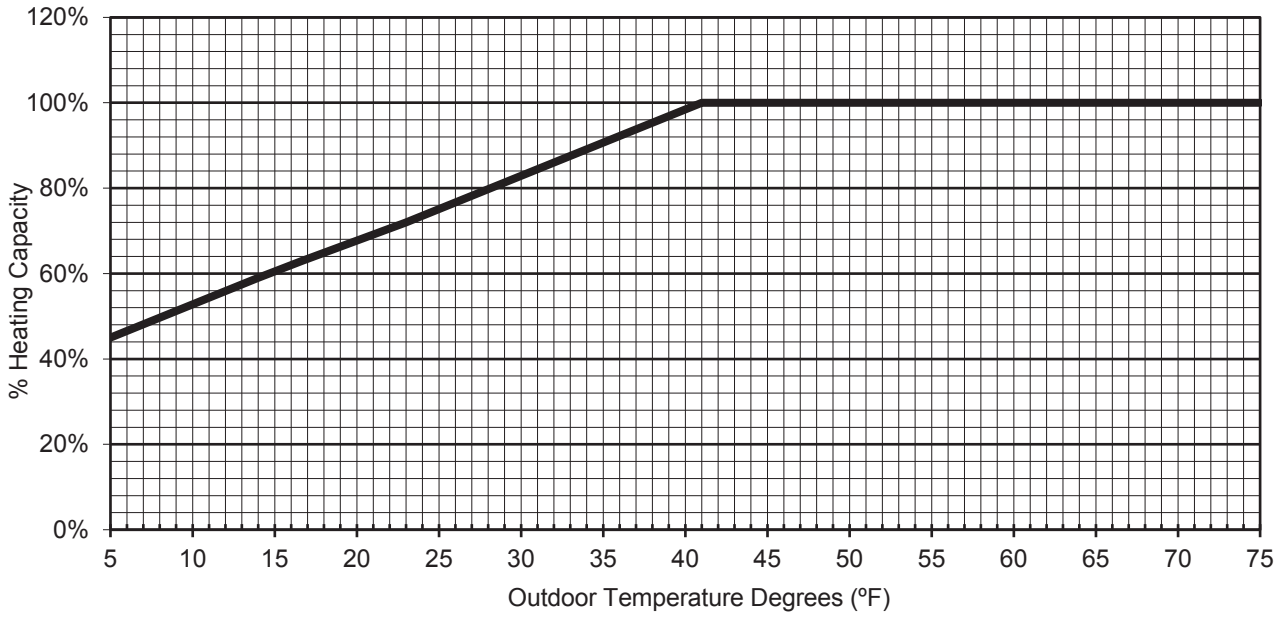
(2) HEAT operation

① Data is based on the condition of outdoor humidity 75%.
② Set air flow to High speed.
③ Inverter output frequency is 20 Hz.



MAX. HEATING CAPACITY IN LOW AMBIENT TEMPERATURE

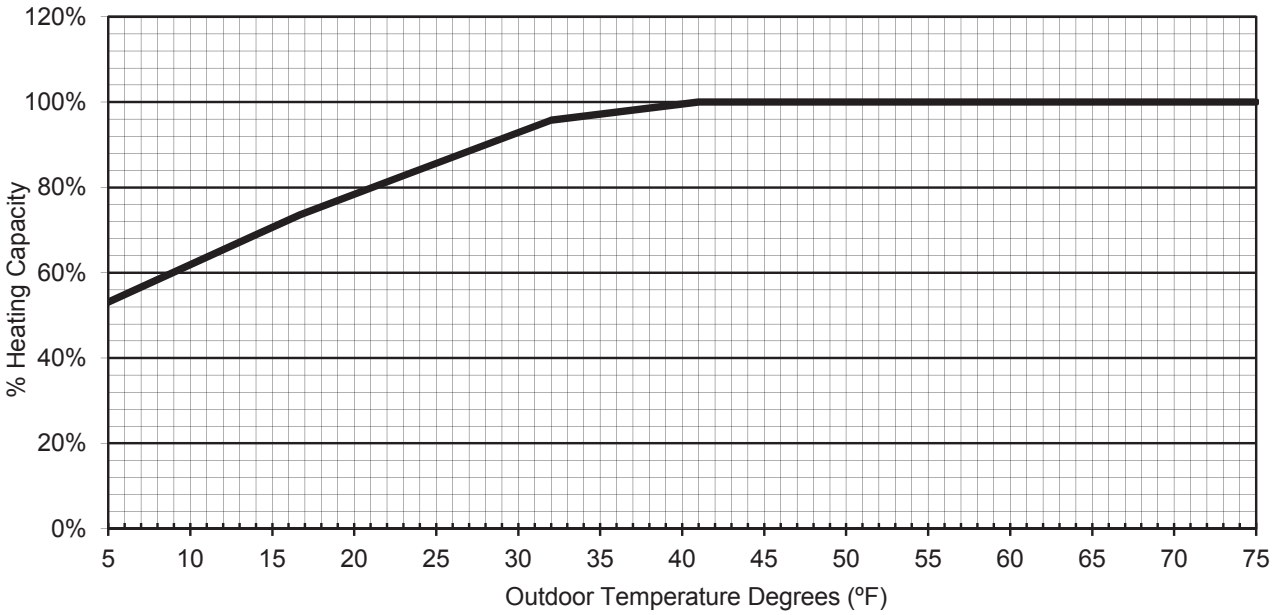
MXZ-2C20NA2-U1



HEATING CAPACITY

Outdoor Temperature Degrees (ºF)	5.0	14.0	23.0	32.0	41.0	41.9	50.0	75.0
% Heating Capacity	45%	59%	72%	86%	100%	100%	100%	100%

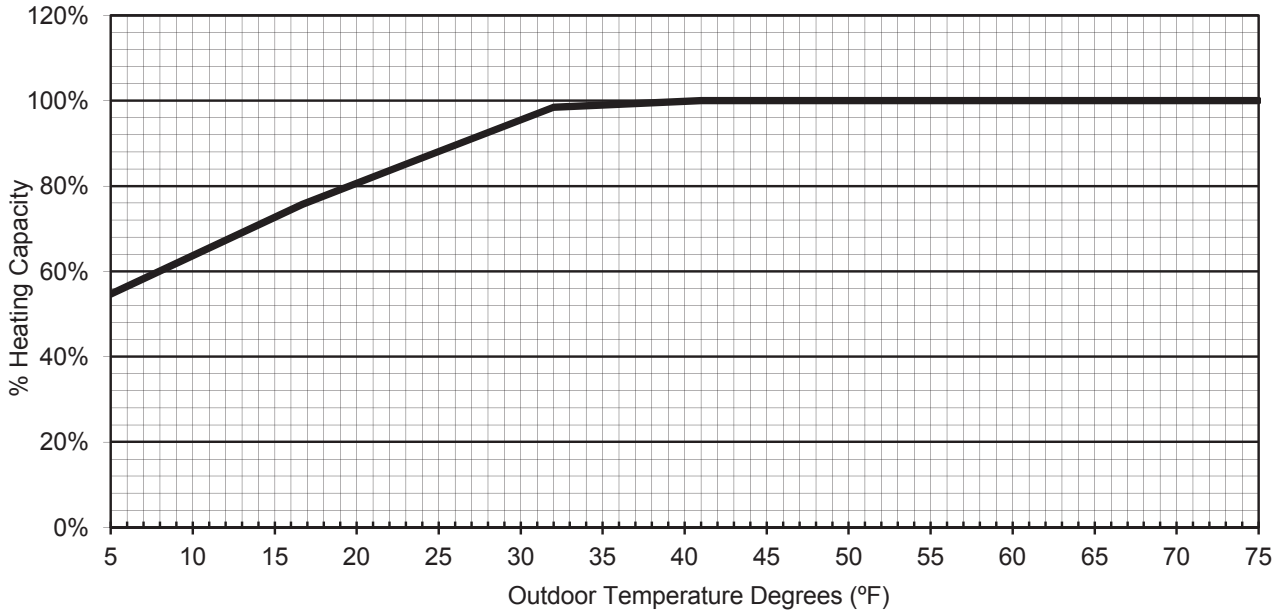
MXZ-3C24NA2-U1



HEATING CAPACITY

Outdoor Temperature Degrees (ºF)	5.0	14.0	23.0	32.0	41.0	50.0	75.0
% Heating Capacity	53%	69%	83%	96%	100%	100%	100%

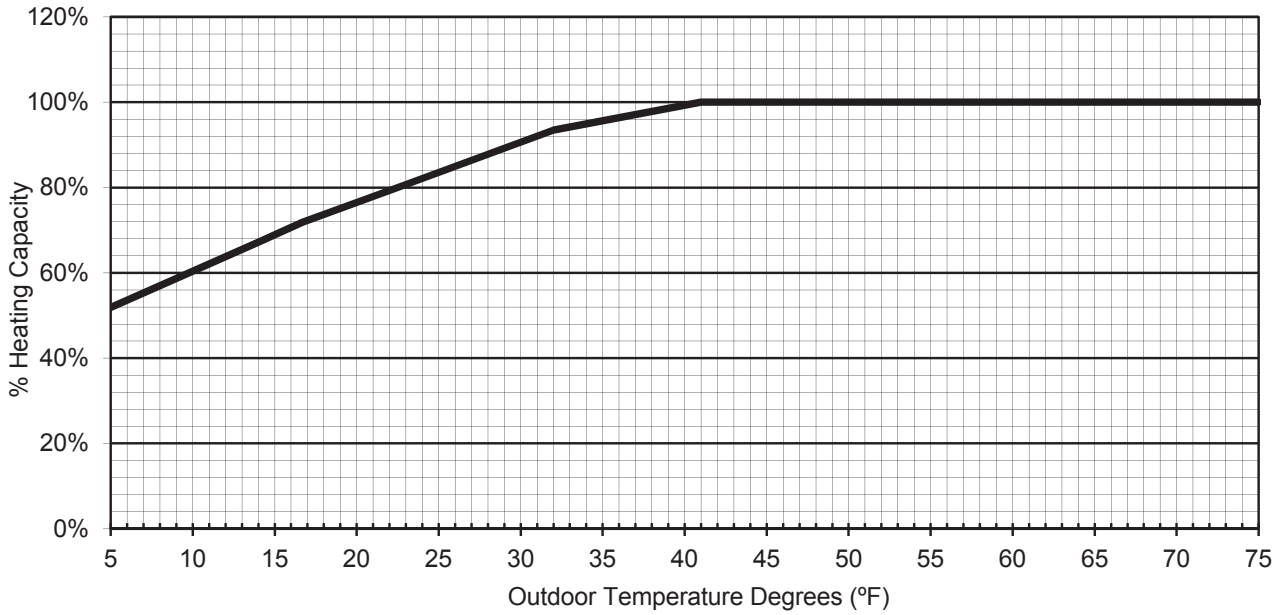
MXZ-3C30NA2-U1



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	5.0	14.0	23.0	32.0	41.0	50.0	75.0
% Heating Capacity	55%	71%	85%	98%	100%	100%	100%

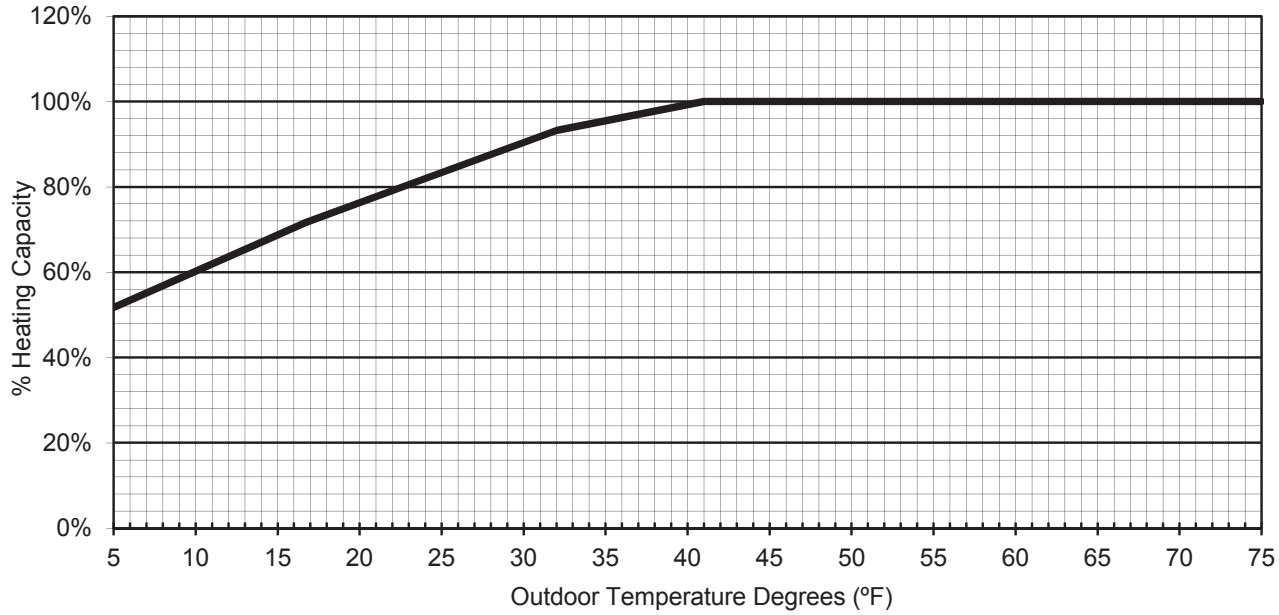
MXZ-4C36NA2-U1



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	5.0	14.0	23.0	32.0	41.0	50.0	75.0
% Heating Capacity	52%	67%	81%	93%	100%	100%	100%

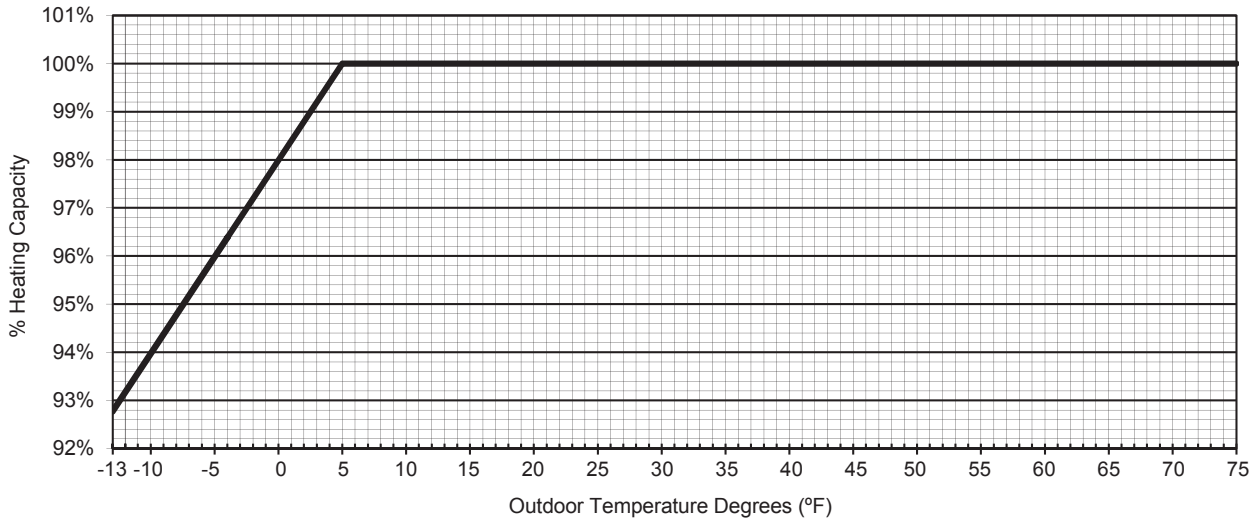
MXZ-5C42NA2-U1



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	5.0	14.0	23.0	32.0	41.0	50.0	75.0
% Heating Capacity	52%	67%	81%	93%	100%	100%	100%

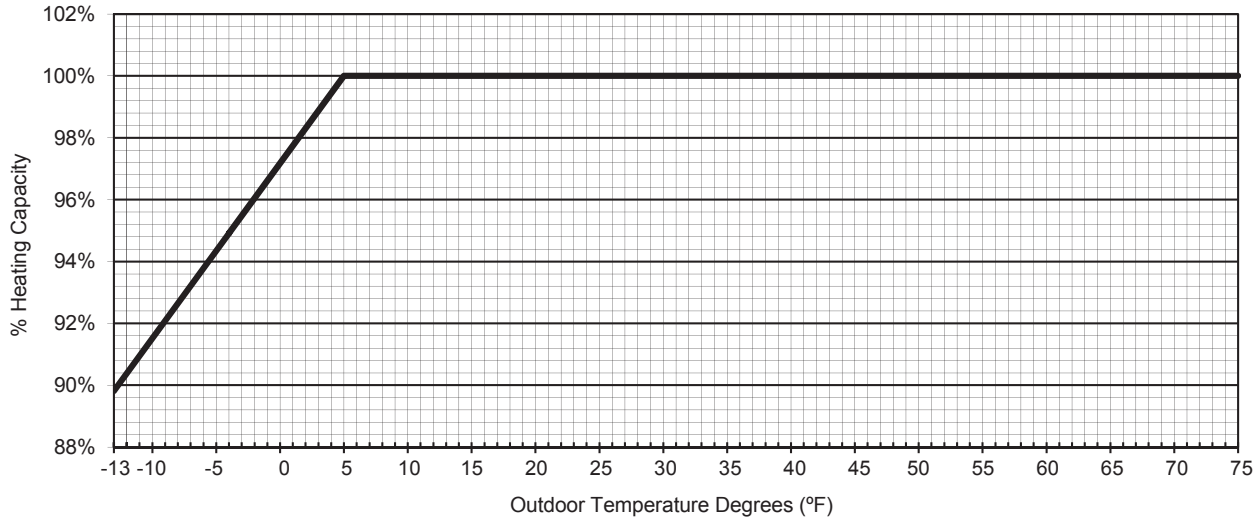
MXZ-2C20NAHZ2-U1



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-13.0	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	75.0
% Heating Capacity	93%	96%	100%	100%	100%	100%	100%	100%	100%

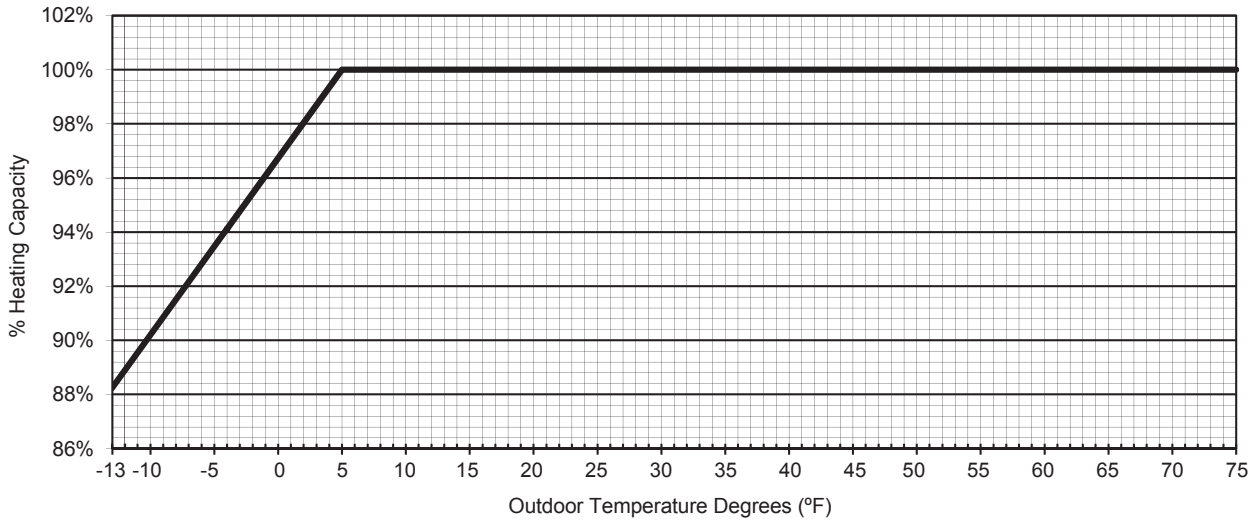
MXZ-3C24NAHZ2-U1



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-13.0	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	75.0
% Heating Capacity	90%	95%	100%	100%	100%	100%	100%	100%	100%

MXZ-3C30NAHZ2-U1



HEATING CAPACITY

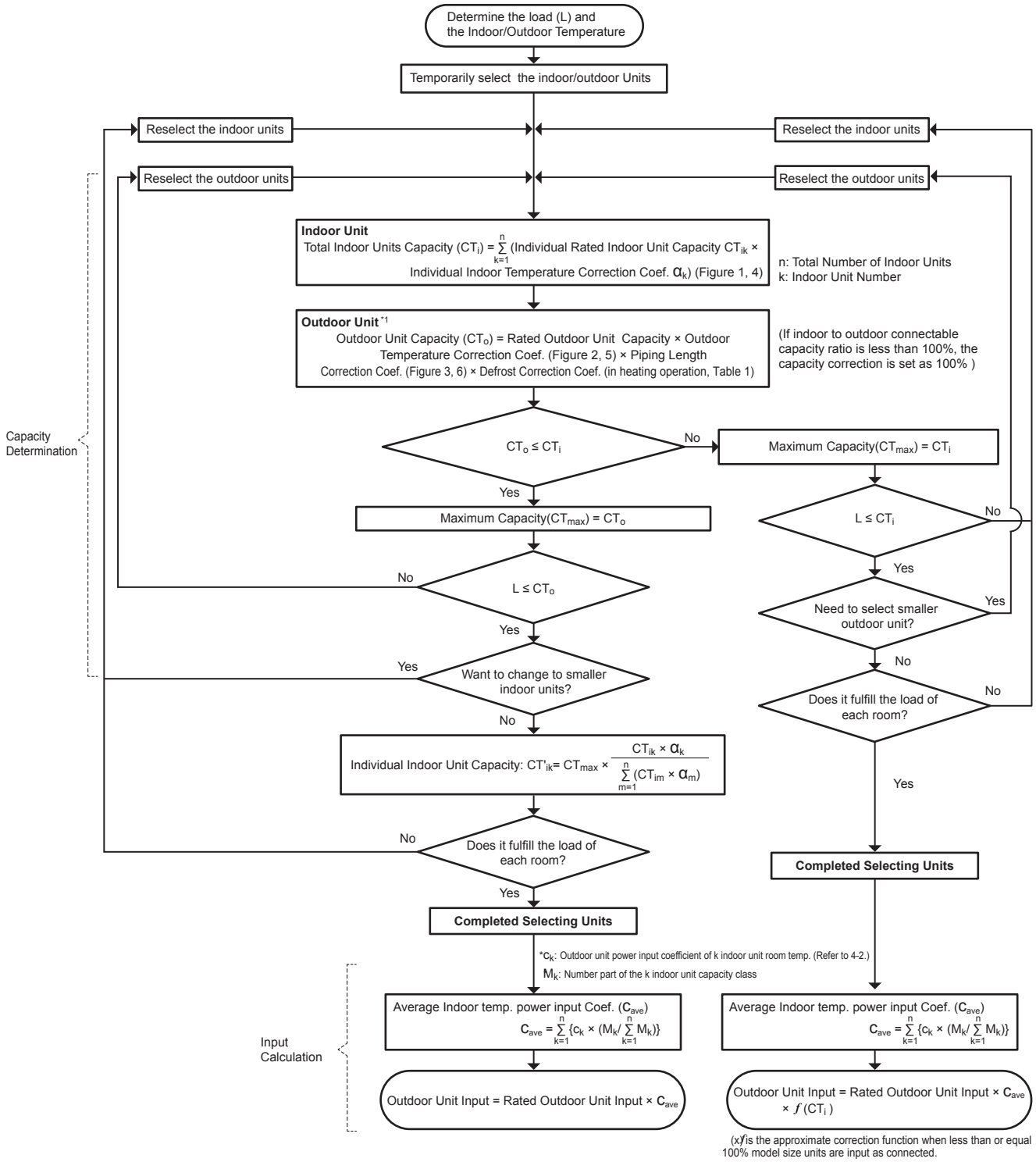
Outdoor Temperature Degrees (°F)	-13.0	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	75.0
% Heating Capacity	88%	94%	100%	100%	100%	100%	100%	100%	100%

MXZ-8C48NA2-U1 MXZ-8C60NA2-U1
MXZ-4C36NAHZ2-U1 MXZ-5C42NAHZ2-U1 MXZ-8C48NAHZ2-U1

Selection of Cooling/Heating Units

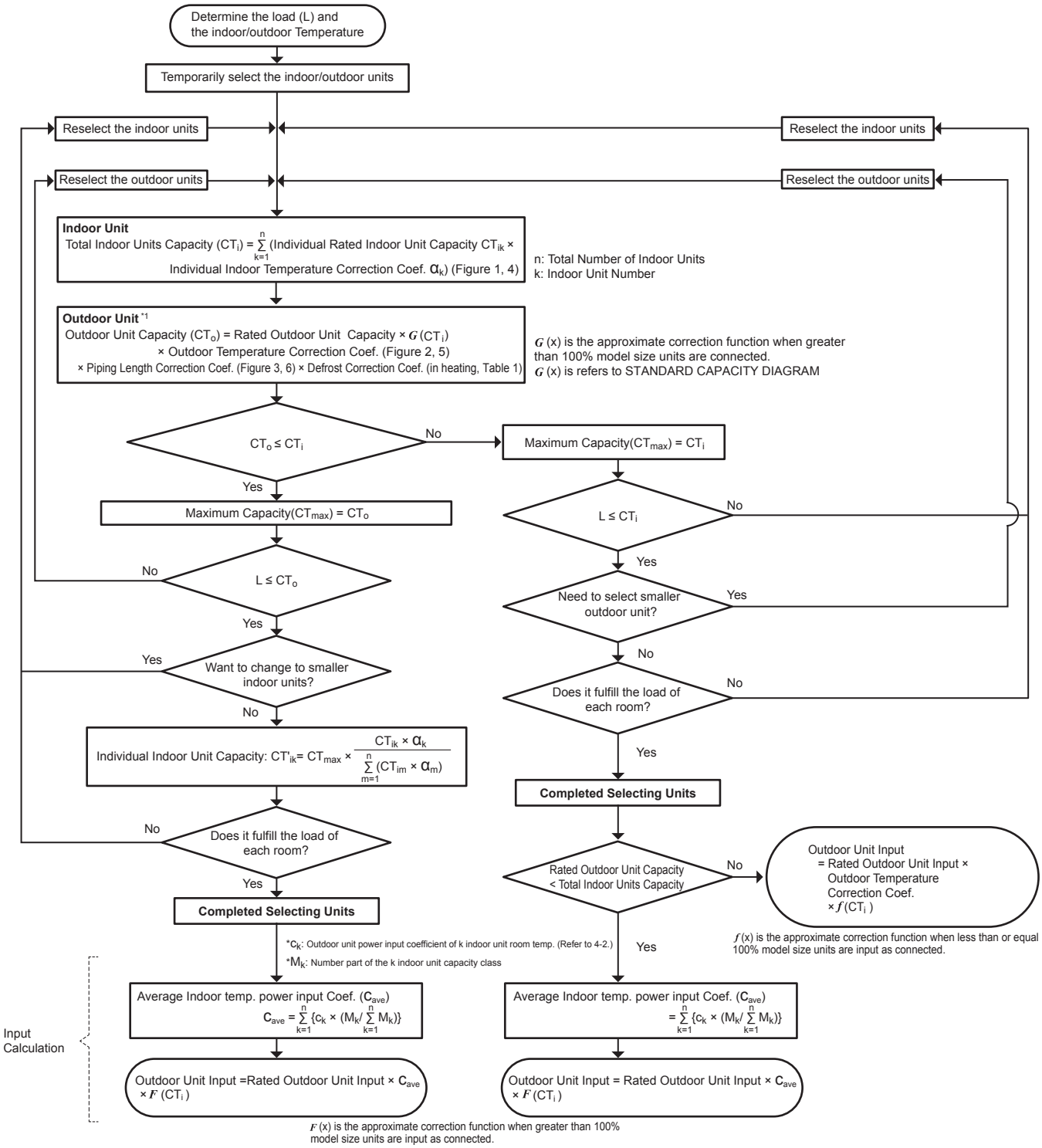
How to determine the capacity when less than or equal 100% indoor model size units are connected in total:

The purpose of this flow chart is to select the indoor and outdoor units. For other purposes, this flow chart is intended only for reference.



How to determine the capacity when greater than 100% indoor model size units are connected in total:

The purpose of this flow chart is to select the indoor and outdoor units. For other purposes, this flow chart is intended only for reference.



<Cooling>

Design Condition	
Outdoor Design Dry Bulb Temperature	**98.6ºF (37.0ºC)**
Total Cooling Load	**29.6 kBtu/h**
Room1	
Indoor Design Dry Bulb Temperature	**80.6ºF (27.0ºC)**
Indoor Design Wet Bulb Temperature	**68.0ºF (20.0ºC)**
Cooling Load	**13.6 kBtu/h**
Room2	
Indoor Design Dry Bulb Temperature	**75.2ºF (24.0ºC)**
Indoor Design Wet Bulb Temperature	**66.2ºF (19.0ºC)**
Cooling Load	**16.0 kBtu/h**
<Other>	
Indoor/Outdoor Equivalent Piping Length	**250 ft**

Rated capacity of indoor unit [kBtu/h]

Model name	Capacity class							
	06	09	12	15	18	24	30	36
SVZ	-	-	12.0	-	18.0	24.0	30.0	36.0
SLZ-KF	-	8.4	11.1	15.0	-	-	-	-
SEZ-KD	-	8.1	11.5	14.1	17.2	-	-	-
MFZ-KJ	-	9.0	12.0	15.0	17.0	-	-	-
MLZ-KP	-	9.0	12.0	-	17.2	-	-	-
MSZ-FH	6.0	9.0	12.0	15.0	17.2	-	-	-
MSZ-FS	6.0	9.0	12.0	15.0	17.2	-	-	-
MSZ-GL	6.0	9.0	12.0	14.0	17.2	22.5	-	-
MSZ-EF	-	9.0	12.0	15.0	18.0	-	-	-
PEAD	-	9.0	12.0	15.0	18.0	24.0	30.0	36.0
PLA	-	-	12.0	-	18.0	24.0	30.0	36.0

1. Cooling Calculation

(1) Temporary Selection of Indoor Units

Room1
MSZ-FH15 **15.0 kBtu/h (Rated)**
Room2
MSZ-FH18 **17.2 kBtu/h (Rated)**

(2) Total Indoor Units Capacity

15 + 18 = 33

(3) Selection of Outdoor Unit

The P36 outdoor unit is selected as total indoor units capacity is P33
MXZ-4C36 **36.0 kBtu/h**

(4) Total Indoor Units Capacity Correction Calculation

Room1
Indoor Design Wet Bulb Temperature Correction (68.0ºF) 1.02 (Refer to Figure 1)
Room2
Indoor Design Wet Bulb Temperature Correction (66.2ºF) 0.98 (Refer to Figure 1)
Total Indoor Units Capacity (CTi)
CTi = Σ (Indoor Unit Rating × Indoor Design Temperature Correction)
= 15.0 × 1.02 + 17.2 × 0.98
= 32.2 kBtu/h

(5) Outdoor Unit Correction Calculation

Outdoor Design Dry Bulb Temperature Correction (98.6ºF) 0.98 (Refer to Figure 2)
Piping Length Correction (250 ft) 0.93 (Refer to Figure 3)
Total Outdoor Unit Capacity (CTo)
CTo = Outdoor Rating × Outdoor Design Temperature Correction × Piping Length Correction
= 36.0 × 0.98 × 0.93
= 32.8 kBtu/h

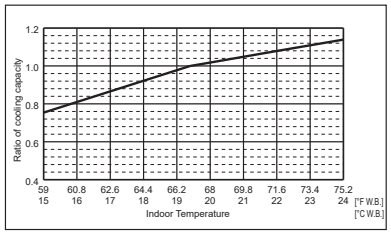


Figure 1 **Indoor unit temperature correction**
To be used to correct indoor unit only

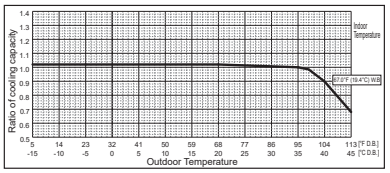


Figure 2 **Outdoor unit temperature correction**
To be used to correct outdoor unit only

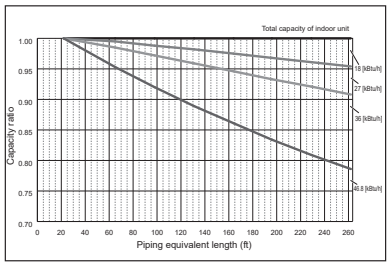


Figure 3 **Correction of refrigerant piping length**

(6) Determination of Maximum System Capacity

Comparison of Capacity between Total Indoor Units Capacity (CTi) and Total Outdoor Unit Capacity (CTo)
CTi = 32.2 < CTo = 32.8, thus, select CTi.
CTx = CTi = 32.2 kBtu/h

(7) Comparison with Essential Load

Against the essential load 29.6 kBtu/h, the maximum system capacity is 32.2 kBtu/h: Proper outdoor units have been selected.

(8) Calculation of Maximum Indoor Unit Capacity of Each Room

CTx = CTi, thus, calculate by the calculation below
Room1
Indoor Unit Rating × Indoor Design Temperature Correction
= 15.0 × 1.02
= 15.3 kBtu/h **OK: fulfills the load 13.6 kBtu/h**
Room2
Indoor Unit Rating × Indoor Design Temperature Correction
= 17.2 × 0.98
= 16.9 kBtu/h **OK: fulfills the load 16.0 kBtu/h**

Go on to the heating trial calculation since the selected units fulfill the cooling loads of Room 1, 2.

<Heating>

Design Condition	
Outdoor Design Wet Bulb Temperature	**23.0ºF (-5.0ºC)**
Total Heating Load	**34.0 kBtu/h**
Room1	
Indoor Design Dry Bulb Temperature	**69.8ºF (21.0ºC)**
Heating Load	**16.3 kBtu/h**
Room2	
Indoor Design Dry Bulb Temperature	**73.4ºF (23.0ºC)**
Heating Load	**17.7 kBtu/h**
<Other> Indoor/Outdoor Equivalent Piping Length	**230 ft**

Rated capacity of indoor unit [kBtu/h]

Model name	Capacity class							
	06	09	12	15	18	24	30	36
SVZ	-	-	12.0	-	18.0	27.0	34.0	40.0
SLZ-KF	-	10.2	13.7	17.1	-	-	-	-
SEZ-KD	-	10.9	13.6	18.0	17.2	-	-	-
MFZ-KJ	-	10.9	13.0	18.0	21.0	-	-	-
MLZ-KP	-	10.9	13.0	-	21.0	-	-	-
MSZ-FH	6.0	10.9	13.6	18.0	20.3	-	-	-
MSZ-FS	6.0	10.9	13.6	18.0	20.3	-	-	-
MSZ-GL	6.0	10.9	14.4	18.0	21.6	27.6	-	-
MSZ-EF	-	10.9	13.0	18.0	21.0	-	-	-
PEAD	-	10.9	13.5	15.7	18.0	26.0	34.0	40.0
PLA	-	-	13.5	-	18.0	26.0	34.0	40.0

2. Heating Calculation

(1) Temporary Selection of Indoor Units

Room1

MSZ-FH15 **18.0 kBtu/h (Rated)**

Room2

MSZ-FH18 **20.3 kBtu/h (Rated)**

(2) Total Indoor Units Capacity

15 + 18 = 33

(3) Selection of Outdoor Unit

The P36 outdoor unit is selected as total indoor units capacity is P33

MXZ-4C36 **45.0 kBtu/h**

(4) Total Indoor Units Capacity Correction Calculation

Room1

Indoor Design Dry Bulb Temperature Correction (69.8ºF) 1.00 (Refer to Figure 4)

Room2

Indoor Design Dry Bulb Temperature Correction (73.4ºF) 0.92 (Refer to Figure 4)

Total Indoor Units Capacity (CTi)

CTi = Σ (Indoor Unit Rating × Indoor Design Temperature Correction)

= 18.0 × 1.00 + 20.3 × 0.92

= 36.7 kBtu/h

(5) Outdoor Unit Correction Calculation

Outdoor Design Wet Bulb Temperature Correction (23.0ºF) 0.85 (Refer to Figure 5)

Piping Length Correction (230 ft) 0.96 (Refer to Figure 6)

Defrost Correction 0.95 (Refer to Table 1)

Total Outdoor Unit Capacity (CTo)

CTo = Outdoor Unit Rating × Outdoor Design Temperature Correction × Piping Length Correction × Defrost Correction

= 45.0 × 0.85 × 0.96 × 0.95

= 34.9 kBtu/h

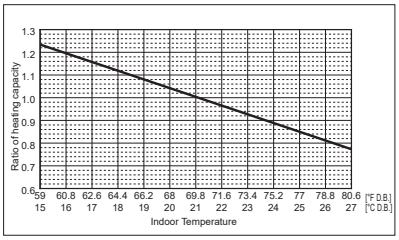


Figure 4 **Indoor unit temperature correction**
To be used to correct indoor unit only

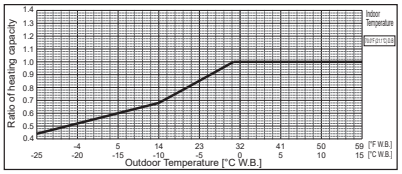


Figure 5 **Outdoor unit temperature correction**
To be used to correct outdoor unit only

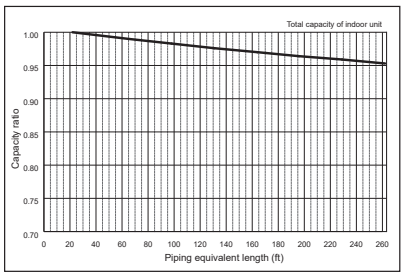


Figure 6 **Correction of refrigerant piping length**

Table 1 Table of correction factor at frost and defrost

Outdoor Intake temperature <W.B.°F (°C)>	43(6)	37(4)	36(2)	32(0)	28(−2)	25(−4)	21(−6)	18(−8)	14(−10)	5(−15)	−4(−20)	−13(−25)
Correction factor	1.00	0.98	0.89	0.88	0.89	0.90	0.95	0.95	0.95	0.95	0.95	0.95

(6) Determination of Maximum System Capacity

Comparison of Capacity between Total Indoor Units Capacity (CTi) and Total Outdoor Unit Capacity (CTo)

CTi = 36.7 > CTo = 34.9, thus, select CTo.

CTx = CTo = 34.9 kBtu/h

(7) Comparison with Essential Load

Against the essential load 34.0 kBtu/h, the maximum system capacity is 34.9 kBtu/h: Proper outdoor units have been selected.

(8) Calculation of Maximum Indoor Unit Capacity of Each Room

CTx = CTo, thus, calculate by the calculation below

Room1

Maximum Capacity × Room1 Capacity after the Temperature Correction/(Room1,2 Total Capacity after the Temperature Correction

= 34.9 × (18.0 × 1.00) / (18.0 × 1.00 + 20.3 × 0.92)

= 17.1 kBtu/h **OK: fulfills the load 16.3 kBtu/h**

Room2

Maximum Capacity × Room1 Capacity after the Temperature Correction/(Room1,2 Total Capacity after the Temperature Correction

= 34.9 × (20.3 × 0.92) / (18.0 × 1.00 + 20.3 × 0.92)

= 17.8 kBtu/h **OK: fulfills the load 17.7 kBtu/h**

Completed selecting units since the selected units fulfill the heating loads of Room 1, 2.

3. Power input of outdoor unit

Outdoor unit: MXZ-4C36
Indoor unit 1: MSZ-FH15
Indoor unit 2: MSZ-FH18

<Cooling>

(1) Rated power input of outdoor unit **2.57 kW**

(2) Calculation of the average indoor temperature power input coefficient (Cave)

Coefficient of the outdoor unit for indoor unit 1 (Outdoor temp. 98.6°F [37.0°C] D.B., Indoor temp. 68.0°F [20.0°C] W.B.)
1.04 (Refer to "A.9.5. CORRECTION BY TEMPERATURE".)
Coefficient of the outdoor unit for indoor unit 2 (Outdoor temp. 98.6°F [37.0°C] D.B., Indoor temp. 66.2°F [19.0°C] W.B.)
1.00 (Refer to "A.9.5. CORRECTION BY TEMPERATURE".)

Average indoor temp. power input coefficient $(C_{ave}) = \sum_{k=1}^{n} \{c_k \times (M_k / \sum_{k=1}^{n} M_k)\}$

n: Total number of the indoor units
k: Number of the indoor unit
c_k: Outdoor unit power input coefficient of k indoor unit room temp.
M_k: Number part of the k indoor unit capacity class

= 1.04 × 15/(15 + 18) + 1.00 × 18/(15 + 18)
= 1.02

(3) Coefficient of the partial load f(CTi)

Total Indoor units capacity
15 + 18 = 33, thus, f (CTi) = 0.96 (Refer to the tables in "A.9.11. STANDARD CAPACITY DIAGRAM".)

(4) Outdoor power input (PIo)

Maximum System Capacity (CTx) = Total Indoor unit Capacity (CTi), so use the following formula
PIo = Outdoor unit Cooling Rated Power Input × Correction Coefficient of Indoor temperature (Cave) × f (CTi)
= 2.57 × 1.02 × 0.96
= 2.52 kW

<Heating>

(1) Rated power input of outdoor unit **3.34 kW**

(2) Calculation of the average indoor temperature power input coefficient

Coefficient of the outdoor unit for indoor unit 1 (Outdoor temp. 23.0°F [−5.0°C] W.B., Indoor temp. 69.8°F [21.0°C] D.B.)
1.10 (Refer to “A.9.5. CORRECTION BY TEMPERATURE”.)

Coefficient of the outdoor unit for indoor unit 2 (Outdoor temp. 23.0F [−5.0°C] W.B., Indoor temp. 73.4°F [23.0°C] D.B.)
1.12 (Refer to “A.9.5. CORRECTION BY TEMPERATURE”.)

Average indoor temp. power input coefficient $(C_{ave}) = \sum_{k=1}^{n} \{c_k \times (M_k / \sum_{k=1}^{n} M_k)\}$

n: Total number of the indoor units
k: Number of the indoor unit
c_k : Outdoor unit power input coefficient of k indoor unit room temp.
M_k : Number part of the k indoor unit capacity class

= 1.10 × 15/(15 + 18) + 1.12 × 18/(15 + 18)
= 1.11

(3) No need to consider coefficient of partial load *f* (CTi)

(4) Outdoor power input (PIo)

Maximum System Capacity (CTx) = Total Outdoor unit Capacity (CTo), so use the following formula
PIo = Outdoor unit Heating Rated Power Input × Correction Coefficient of Indoor temperature × (Cave)
= 3.34 × 1.20 × 1.11
= 3.71 kW

CORRECTION BY TEMPERATURE

The outdoor units have varied capacity at different designing temperature. Using the nominal cooling/heating capacity value and the ratio below, the capacity can be observed at various temperature.

<Cooling>

Figure 7 Indoor unit temperature correction

To be used to correct indoor unit capacity only

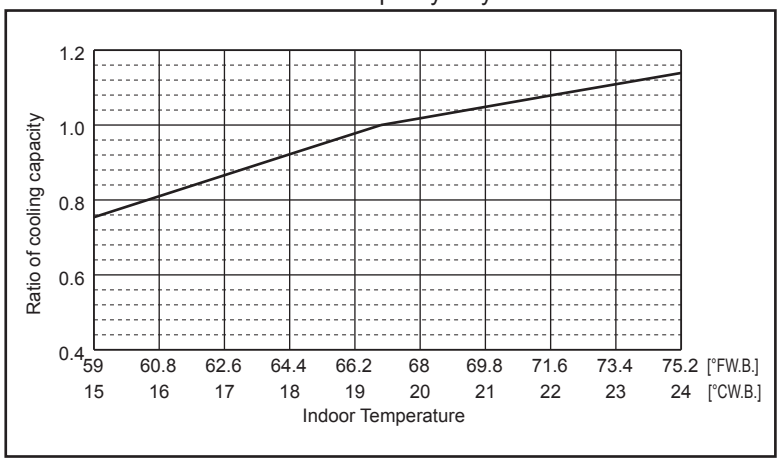
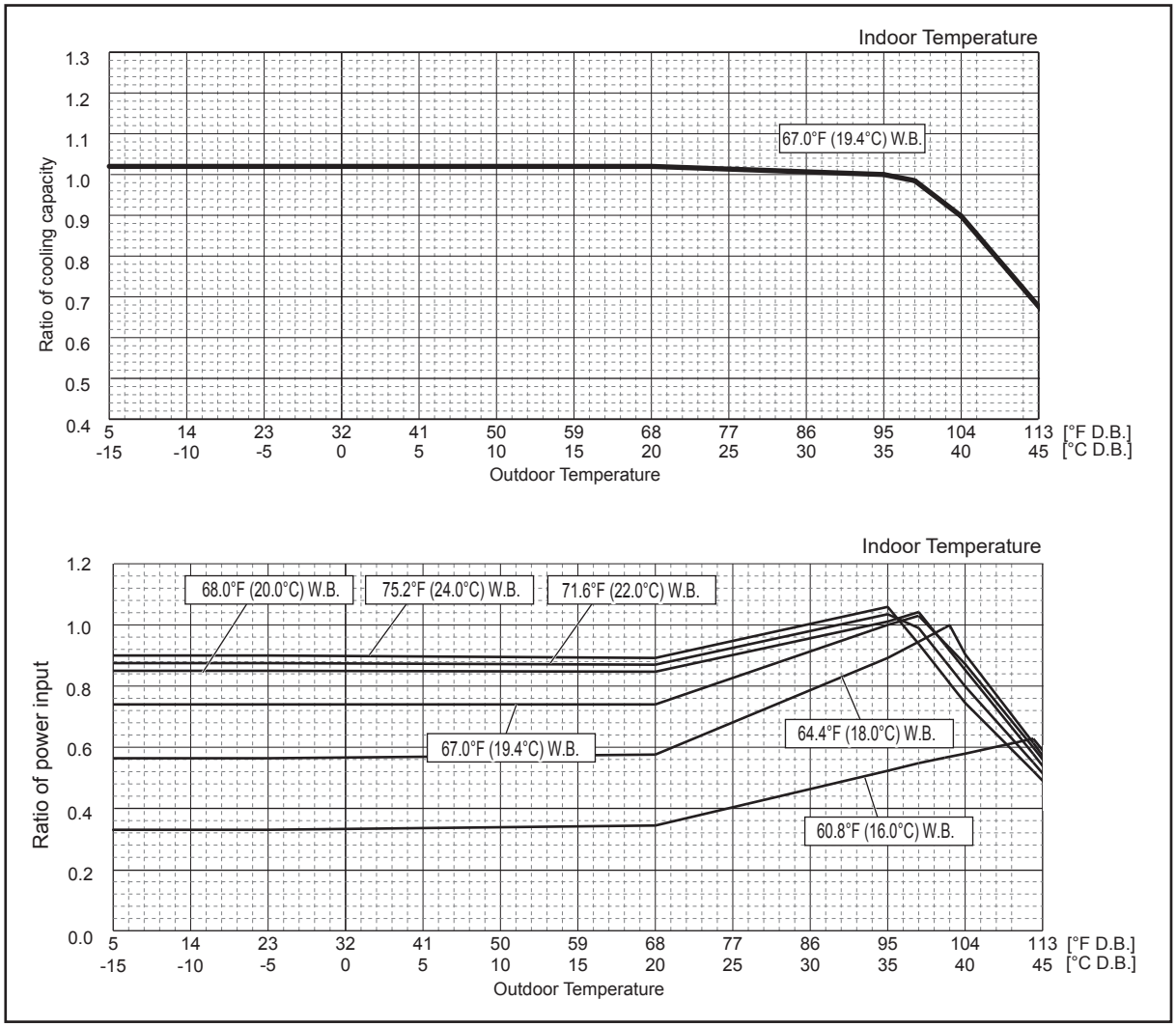


Figure 8 Outdoor unit temperature correction

To be used to correct outdoor unit capacity only



<Heating> For MXZ-8C48NA2-U1, MXZ-8C60NA2-U1

Figure 9 Indoor unit temperature correction
To be used to correct indoor unit capacity only

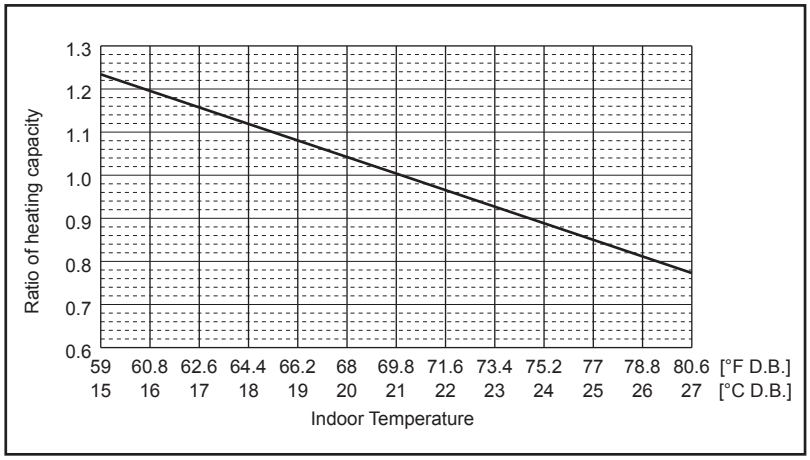
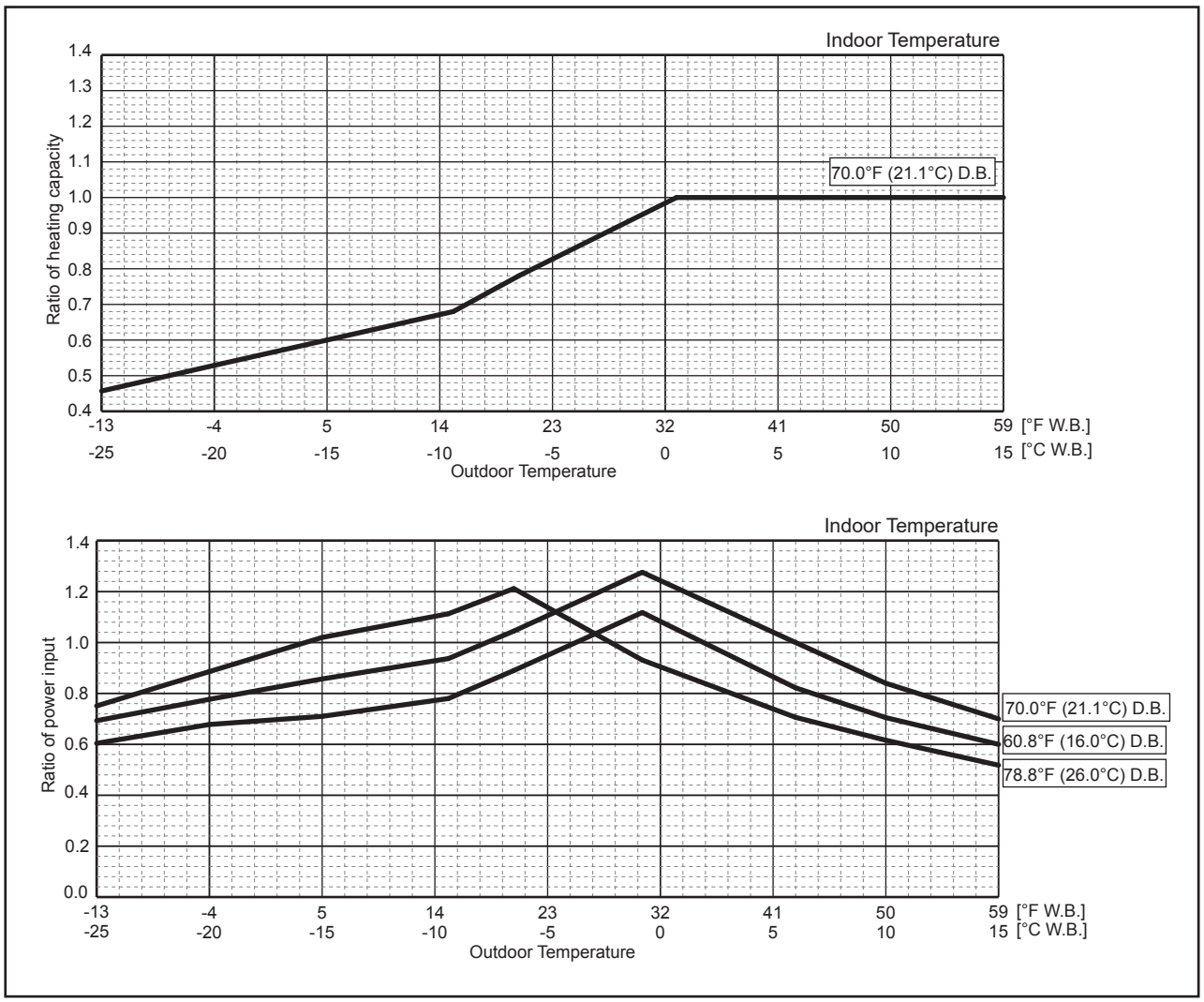


Figure 10 Outdoor unit temperature correction
To be used to correct outdoor unit capacity only



<Heating> For MXZ-4C36NAHZ2-U1, MXZ-5C42NAHZ2-U1, MXZ-8C48NAHZ2-U1

Figure 11 Indoor unit temperature correction
To be used to correct indoor unit capacity only

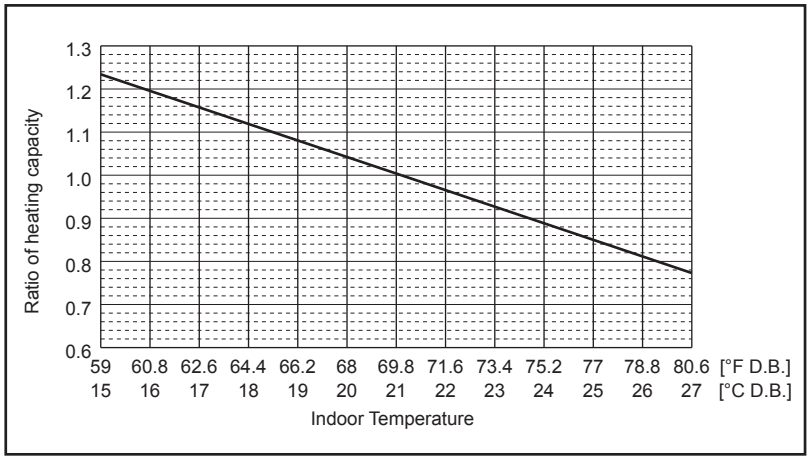
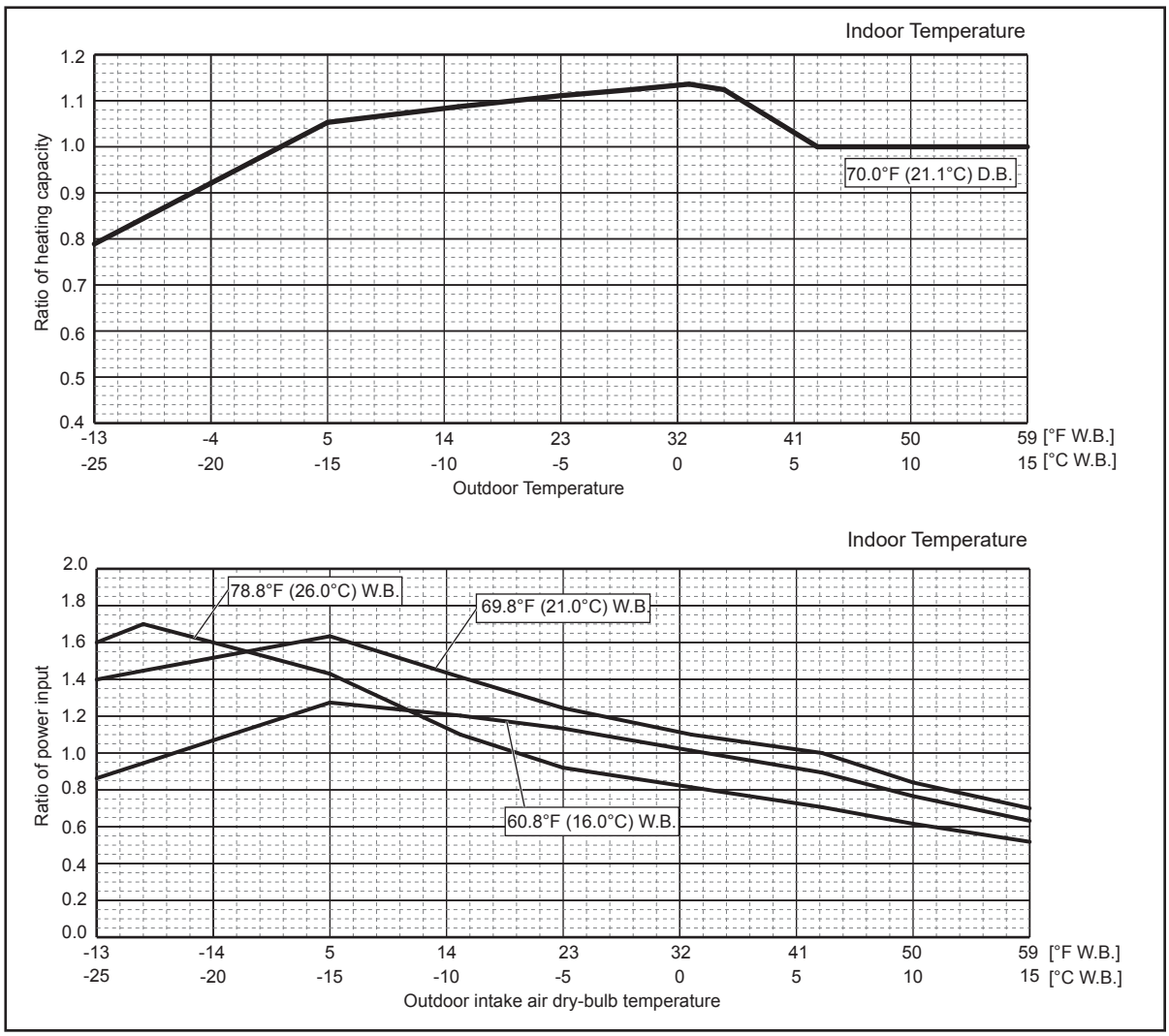


Figure 12 Outdoor unit temperature correction
To be used to correct outdoor unit capacity only



A.9.5.2 STANDARD OPERATION DATA

Model				MXZ-2C20NA2-U1			
Indoor type				Non-Duct (09+09)		Duct (09+12)	
Item			Unit	Cooling	Heating	Cooling	Heating
Total	Capacity		Btu/h	18,000	22,000	20,000	22,000
	SHF		–	–	–	–	–
	Input		kW	1.417	1.641	2.000	1.771
Electrical circuit	Power supply (V, phase, Hz)			208/230, 1, 60			
	Input		kW	1.373	1.597	1.880	1.691
	Comp. current (208/230V)		A	6.82 / 6.17	8.03 / 7.26	9.61 / 8.69	8.55 / 7.73
	Fan motor current		A	0.2	0.2	0.2	0.2
Refrigerant circuit	Condensing pressure		PSIG	396	328	419	351
	Suction pressure		PSIG	146	94	130	100
	Discharge temperature		ºF	174	165	170	168
	Condensing temperature		ºF	116	100	160	101
	Suction temperature		ºF	74	47	55	49
	Comp. shell bottom temp.		ºF	173	163	160	157
	Ref. pipe length [Total pipe length for multi-system]		ft	25 [50]			
	Refrigerant charge (R410A)		–	5 lb. 15 oz.			
Outdoor unit	Intake air temperature	DB	ºF	95	47	95	47
		WB	ºF	–	43	–	43
	Fan speed		rpm	650	700	650	700
	Airflow		CFM	1,342	1,458	1,342	1,458

Model				MXZ-3C24NA2-U1			
Indoor type				Non-Duct (06+06+09)		Duct (09+09+09)	
Item			Unit	Cooling	Heating	Cooling	Heating
Total	Capacity		Btu/h	22,000	25,000	23,600	24,600
	SHF		–	–	–	–	–
	Input		kW	1.62	1.75	2.10	1.90
Electrical circuit	Power supply (V, phase, Hz)			208/230, 1, 60			
	Input		kW	1.554	1.684	1.920	1.780
	Comp. current (208/230V)		A	7.47 / 6.76	8.1 / 7.32	9.23 / 8.35	8.56 / 7.74
	Fan motor current		A	0.3	0.3	0.3	0.3
Refrigerant circuit	Condensing pressure		PSIG	395	310	419	345
	Suction pressure		PSIG	162	101	138	102
	Discharge temperature		ºF	143	137	155	141
	Condensing temperature		ºF	116	98	120	106
	Suction temperature		ºF	59	36	50	34
	Comp. shell bottom temp.		ºF	137	128	146	131
	Ref. pipe length [Total pipe length for multi-system]		ft	25[75]			
	Refrigerant charge (R410A)		–	6lb. 13 oz.			
Outdoor unit	Intake air temperature	DB	ºF	95	47	95	47
		WB	ºF	-	43	-	43
	Fan speed		rpm	720	750	720	750
	Airflow		CFM	2,287	2,382	2,287	2,382

Model				MXZ-3C30NA2-U1			
Indoor type				Non-Duct (09+09+12)		Duct (09+09+12)	
Item			Unit	Cooling	Heating	Cooling	Heating
Total	Capacity		Btu/h	28,400	28,600	27,400	27,600
	SHF		–	–	–	–	–
	Input		kW	2.68	2.15	2.84	2.22
Electrical circuit	Power supply (V, phase, Hz)			208/230, 1, 60			
	Input		kW	2.614	2.084	2.650	2.090
	Comp. current (208/230V)		A	12.57 / 11.37	10.02 / 9.06	12.74 / 11.52	10.05 / 9.09
	Fan motor current		A	0.3	0.3	0.3	0.3
Refrigerant circuit	Condensing pressure		PSIG	432	323	439	323
	Suction pressure		PSIG	137	97	132	99
	Discharge temperature		ºF	159	136	165	136
	Condensing temperature		ºF	122	101	124	101
	Suction temperature		ºF	49	32	47	32
	Comp. shell bottom temp.		ºF	145	121	156	128
	Ref. pipe length [Total pipe length for multi-system]		ft	25[75]			
	Refrigerant charge (R410A)		–	6 lb.13 oz.			
Outdoor unit	Intake air temperature	DB	ºF	95	47	95	47
		WB	ºF	-	43	-	43
	Fan speed		rpm	720	750	720	750
	Airflow		CFM	2,287	2,382	2,287	2,382

Model				MXZ-4C36NA2-U1			
Indoor type				Non-Duct (09+09+09+09)		Duct (09+09+09+09)	
Item			Unit	Cooling	Heating	Cooling	Heating
Total	Capacity		Btu/h	35,400	36,000	34,400	34,400
	SHF		–	–	–	–	–
	Input		kW	3.76	3.02	3.94	3.10
Electrical circuit	Power supply (V, phase, Hz)			208/230, 1, 60			
	Input		kW	3.672	2.932	3.700	2.940
	Comp. current (208/230V)		A	17.65 / 15.97	14.1 / 12.75	17.79 / 16.09	14.13 / 12.78
	Fan motor current		A	0.3	0.3	0.3	0.3
Refrigerant circuit	Condensing pressure		PSIG	461	297	470	334
	Suction pressure		PSIG	141	89	129	91
	Discharge temperature		ºF	172	138	176	147
	Condensing temperature		ºF	127	95	129	103
	Suction temperature		ºF	51	28	46	29
	Comp. shell bottom temp.		ºF	162	130	165	139
	Ref. pipe length [Total pipe length for multi-system]		ft	25[100]			
	Refrigerant charge (R410A)		–	6 lb.13 oz.			
Outdoor unit	Intake air temperature	DB	ºF	95	47	95	47
		WB	ºF	-	43	-	43
	Fan speed		rpm	720	750	720	750
	Airflow		CFM	2,287	2,382	2,287	2,382

Model				MXZ-5C42NA2-U1			
Indoor type				Non-Duct (06+09+09+09+09)		Duct (09+09+09+09+09)	
Item			Unit	Cooling	Heating	Cooling	Heating
Total	Capacity		Btu/h	40,500	45,000	37,500	41,000
	SHF		-	-	-	-	-
	Input		kW	4.41	3.58	4.12	3.47
Electrical circuit	Power supply (V, phase, Hz)			208/230, 1, 60			
	Input		kW	4.300	3.465	3.870	3.270
	Comp. current (208/230V)		A	20.67 / 18.7	16.66 / 15.07	18.61 / 16.83	15.72 / 14.22
	Fan motor current		A	0.43 / 0.39	0.43 / 0.39	0.43 / 0.39	0.43 / 0.39
Refrigerant circuit	Condensing pressure		PSIG	466	305	446	326
	Suction pressure		PSIG	153	93	137	98
	Discharge temperature		ºF	172	155	165	143
	Condensing temperature		ºF	127	97	124	102
	Suction temperature		ºF	53	27	47	29
	Comp. shell bottom temp.		ºF	156	138	145	121
	Ref. pipe length [Total pipe length for multi-system]		ft	25 [125]			
	Refrigerant charge (R410A)		-	8 lb. 13 oz.			
Outdoor unit	Intake air temperature	DB	ºF	95	47	95	47
		WB	ºF	-	43	-	43
	Fan speed		rpm	630	730	630	730
	Airflow		CFM	2,118	2,542	2,118	2,542

Model				MXZ-2C20NAHZ2-U1			
Indoor type				Non-Duct (09+09)		Duct (09+12)	
Item			Unit	Cooling	Heating	Cooling	Heating
Total	Capacity		Btu/h	18,000	22,000	20,000	22,000
	SHF		-	-	-	-	-
	Input		kW	1.34	1.62	1.82	1.75
Electrical circuit	Power supply (V, phase, Hz)			208/230, 1, 60			
	Input		kW	1.296	1.574	1.670	1.660
	Comp. current (208/230V)		A	6.23 / 5.63	7.57 / 6.84	8.03 / 7.26	7.98 / 7.22
	Fan motor current		A	0.43 / 0.39	0.43 / 0.39	0.43 / 0.39	0.43 / 0.39
Refrigerant circuit	Condensing pressure		PSIG	406	341	406	334
	Suction pressure		PSIG	154	110	133	113
	Discharge temperature		ºF	158	131	148	141
	Condensing temperature		ºF	108	105	112	103
	Suction temperature		ºF	60	37	46	37
	Comp. shell bottom temp.		ºF	137	107	127	117
	Ref. pipe length [Total pipe length for multi-system]		ft	25 [50]			
	Refrigerant charge (R410A)		-	8 lb. 13 oz.			
Outdoor unit	Intake air temperature	DB	ºF	95	47	95	47
		WB	ºF	-	43	-	43
	Fan speed		rpm	630	730	630	730
	Airflow		CFM	2,118	2,542	2,118	2,542

Model				MXZ-3C24NAHZ2-U1			
Indoor type				Non-Duct (06+06+09)		Duct (09+09+09)	
Item			Unit	Cooling	Heating	Cooling	Heating
Total	Capacity		Btu/h	22,000	25,000	23,600	24,600
	SHF		-	-	-	-	-
	Input		kW	1.63	1.73	2.36	1.88
Electrical circuit	Power supply (V, phase, Hz)			208/230, 1, 60			
	Input		kW	1.564	1.661	2.180	1.760
	Comp. current (208/230V)		A	7.52 / 6.8	7.99 / 7.22	10.48 / 9.48	8.46 / 7.65
	Fan motor current		A	0.43 / 0.39	0.43 / 0.39	0.43 / 0.39	0.43 / 0.39
Refrigerant circuit	Condensing pressure		PSIG	397	302	377	329
	Suction pressure		PSIG	164	106	136	109
	Discharge temperature		ºF	144	122	152	127
	Condensing temperature		ºF	114	97	115	103
	Suction temperature		ºF	59	42	48	36
	Comp. shell bottom temp.		ºF	128	105	136	109
	Ref. pipe length [Total pipe length for multi-system]		ft	25 [75]			
	Refrigerant charge (R410A)		-	8 lb. 13 oz.			
Outdoor unit	Intake air temperature	DB	ºF	95	47	95	47
		WB	ºF	-	43	-	43
	Fan speed		rpm	630	730	630	730
	Airflow		CFM	2,118	2,542	2,118	2,542

Model				MXZ-3C30NAHZ2-U1			
Indoor type				Non-Duct (09+09+12)		Duct (09+09+12)	
Item			Unit	Cooling	Heating	Cooling	Heating
Total	Capacity		Btu/h	28,400	28,600	27,400	27,600
	SHF		-	-	-	-	-
	Input		kW	2.28	2.10	2.67	2.19
Electrical circuit	Power supply (V, phase, Hz)			208/230, 1, 60			
	Input		kW	2.214	2.031	2.480	2.060
	Comp. current (208/230V)		A	10.64 / 9.63	9.76 / 8.83	11.92 / 10.78	9.9 / 8.96
	Fan motor current		A	0.43 / 0.39	0.43 / 0.39	0.43 / 0.39	0.43 / 0.39
Refrigerant circuit	Condensing pressure		PSIG	404	321	416	329
	Suction pressure		PSIG	146	103	131	107
	Discharge temperature		ºF	146	131	153	128
	Condensing temperature		ºF	117	101	118	103
	Suction temperature		ºF	52	35	45	35
	Comp. shell bottom temp.		ºF	129	111	135	108
	Ref. pipe length [Total pipe length for multi-system]		ft	25 [75]			
	Refrigerant charge (R410A)		-	8 lb. 13 oz.			
Outdoor unit	Intake air temperature	DB	ºF	95	47	95	47
		WB	ºF	-	43	-	43
	Fan speed		rpm	650	730	650	730
	Airflow		CFM	2,224	2,542	2,224	2,542

OPERATING RANGE

(1) POWER SUPPLY

	Model		Rating	Guaranteed Voltage
Outdoor unit	**MXZ-2C20NA2-U1** **MXZ-3C24NA2-U1** **MXZ-3C30NA2-U1** **MXZ-4C36NA2-U1** **MXZ-5C42NA2-U1**	**MXZ-2C20NAHZ2-U1** **MXZ-3C24NAHZ2-U1** **MXZ-3C30NAHZ2-U1**	208/230 V 60 Hz 1ø	Min. 198 V 208 V 230 V Max. 253V

(2) OPERATION

Function	Intake air temperature / Condition	Indoor		Outdoor	
		DB (°F)	WB (°F)	DB (°F)	WB (°F)
Cooling	"A" Cooling steady state at rated compressor speed	80	67	95	(75)
	"B-2" Cooling steady state at rated compressor speed	80	67	82	(65)
	"B-1" Cooling steady state at minimum compressor speed	80	67	82	(65)
	Low ambient cooling steady state at minimum compressor speed	80	67	67	(53.5)
	Intermediate cooling steady state at intermediate compressor speed	80	67	87	(69)
Heating	Standard rating-heating at rated compressor speed	70	60	47	43
	Low temperature heating at rated compressor speed	70	60	17	15
	Max. temperature heating at minimum compressor speed	70	60	62	56.5
	High temperature heating at minimum compressor speed	70	60	47	43
	Frost accumulation at rated compressor speed	70	60	35	33
	Frost accumulation at intermediate compressor speed	70	60	35	33

STANDARD OPERATION DATA (REFERENCE DATA)

Operation				Outdoor unit model			
				MXZ-4C36NAHZ2-U1		**MXZ-5C42NAHZ2-U1**	
Operating conditions	Ambient temperature	Indoor	DB/WB	80°F/67°F	70°F/60°F	80°F/67°F	70°F/60°F
		Outdoor		95°F/75°F	47°F/43°F	95°F/75°F	47°F/43°F
	Indoor unit	No. of connected units	Unit	4		4	
		No. of units in operation		4		4	
		Model	—	09 × 4		09 × 2 + 12 ×2	
	Piping	Main pipe	ft (m)	9.84 (3)		9.84 (3)	
		Branch pipe		14.76 (4.5)		14.76 (4.5)	
		Total pipe length		68.90 (21)		68.90 (21)	
	Fan speed		—	Hi		Hi	
	Amount of refrigerant		lb oz (kg)	17 lb 7 oz (7.9)		17 lb 7 oz (7.9)	
Outdoor unit	Electric current		A	14.1	18.7	17.2	19.1
	Voltage		V	230		230	
	Compressor frequency		Hz	59	74	70	80
LEV opening	Indoor unit		Pulse	112	128	129	128
Pressure	High pressure/Low pressure		MPaG	2.57/0.98	2.78/0.64	2.72/0.80	2.80/0.56
			PSIG	373/142	403/93	395/116	406/81
Temp. of each section	Outdoor unit	Discharge	°F (°C)	143.8 (62.1)	151.5 (66.4)	148.6 (64.8)	145.8 (63.2)
		Heat exchanger outlet		100.8 (38.2)	36.7 (2.6)	101.8 (38.8)	35.6 (2.0)
		Accumulator inlet		50.5 (10.3)	36.1 (2.3)	49.5 (9.7)	34.9 (1.6)
		Compressor inlet		47.1 (8.4)	34.0 (1.1)	45.3 (7.4)	32.7 (0.4)
	Indoor unit	LEV inlet		70.0 (21.1)	103.5 (39.7)	83.7 (28.7)	100.2 (37.9)
		Heat exchanger inlet		54.1 (12.3)	138.9 (59.4)	49.6 (9.8)	132.3 (55.7)

Operation				Outdoor unit model			
				MXZ-8C48NA/NAHZ2-U1		**MXZ-8C60NA2-U1**	
Operating conditions	Ambient temperature	Indoor	DB/WB	80°F/67°F	70°F/60°F	80°F/67°F	70°F/60°F
		Outdoor		95°F/75°F	47°F/43°F	95°F/75°F	47°F/43°F
	Indoor unit	No. of connected units	Unit	4		5	
		No. of units in operation		4		5	
		Model	—	12 × 4		09 × 3 + 15 + 18	
	Piping	Main pipe	ft (m)	9.84 (3)		9.84 (3)	
		Branch pipe		14.76 (4.5)		14.76 (4.5)	
		Total pipe length		68.90 (21)		83.79 (25.5)	
	Fan speed		—	Hi		Hi	
	Amount of refrigerant		lb oz (kg)	17 lb 7 oz (7.9)		20 lb (8.9)	
Outdoor unit	Electric current		A	22.1	21.9	20.4	24.4
	Voltage		V	230		230	
	Compressor frequency		Hz	86	91	57	65
LEV opening	Indoor unit		Pulse	112	132	187	229
Pressure	High pressure/Low pressure		MPaG	2.83/0.77	2.82/0.55	2.84/0.92	2.44/0.672
			PSIG	410/112	409/80	412/134	354/97.5
Temp. of each section	Outdoor unit	Discharge	°F (°C)	157.6 (69.8)	149.2 (65.1)	167 (75.0)	133.9 (56.6)
		Heat exchanger outlet		105.6 (40.9)	34.3 (1.3)	98.8 (37.1)	51.1 (10.2)
		Accumulator inlet		47.1 (8.4)	33.4 (0.8)	49.5 (9.7)	32.4 (0.2)
		Compressor inlet		42.4 (5.8)	30.6 (−0.8)	72.5 (22.5)	31.6 (−0.2)
	Indoor unit	LEV inlet		71.1 (21.7)	98.8 (37.1)	59.7 (15.4)	81.9 (27.7)
		Heat exchanger inlet		47.5 (8.6)	134.6 (57.0)	52.5 (11.4)	104.2 (40.1)

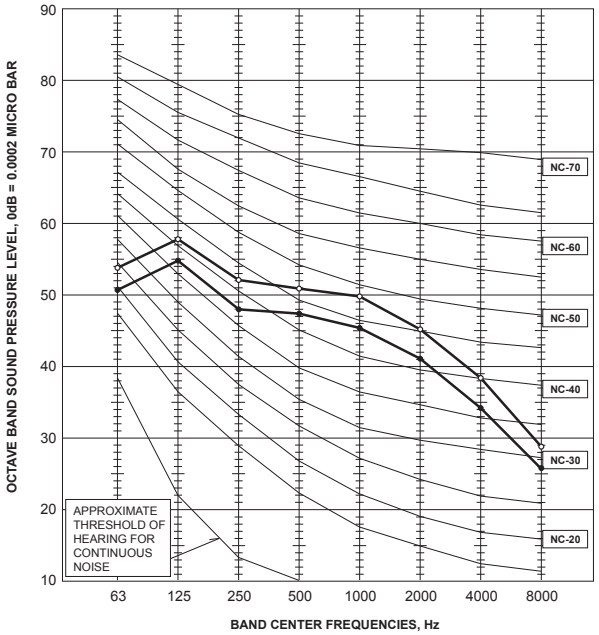
A.9.6 NOISE CRITERIA CURVES

A.9.6.1 Inverter Heat Pump

MXZ-2C20NA2-U1

OUTDOOR UNIT

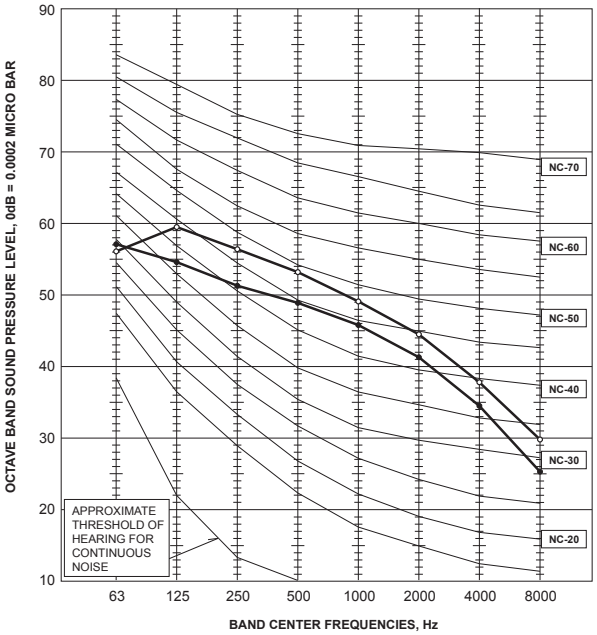
FAN SPEED	FUNCTION	SPL($dB_{(A)}$)	LINE
High	Cooling	50	●—●
High	Heating	54	○—○



MXZ-3C24NA2-U1

OUTDOOR UNIT

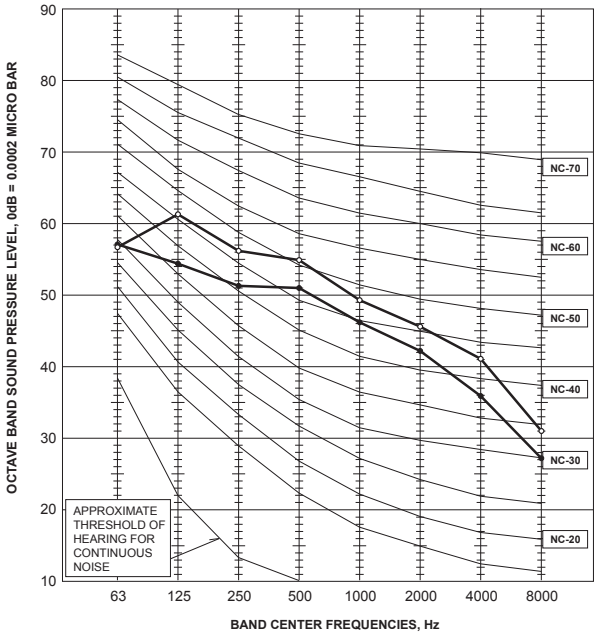
FAN SPEED	FUNCTION	SPL($dB_{(A)}$)	LINE
High	Cooling	51	●—●
High	Heating	55	○—○



MXZ-3C30NA2-U1

OUTDOOR UNIT

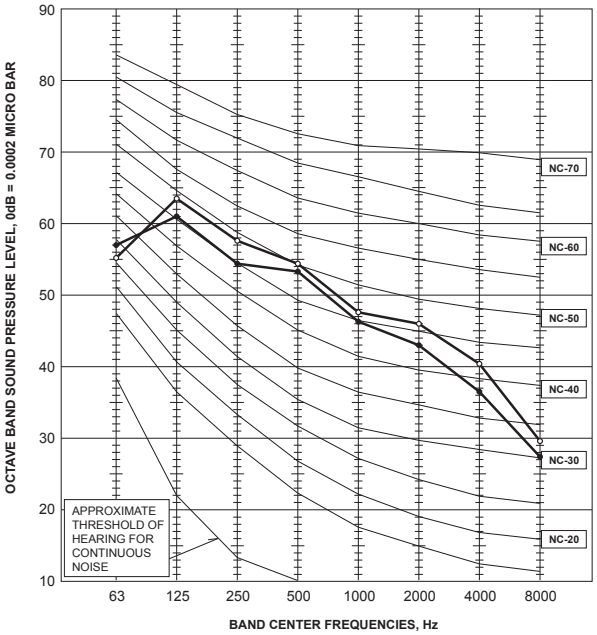
FAN SPEED	FUNCTION	SPL($dB_{(A)}$)	LINE
High	Cooling	52	●—●
High	Heating	56	○—○

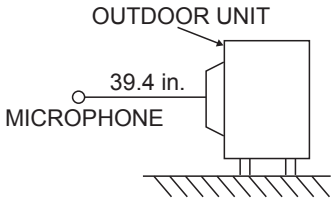


MXZ-4C36NA2-U1

OUTDOOR UNIT

FAN SPEED	FUNCTION	SPL($dB_{(A)}$)	LINE
High	Cooling	54	●—●
High	Heating	56	○—○



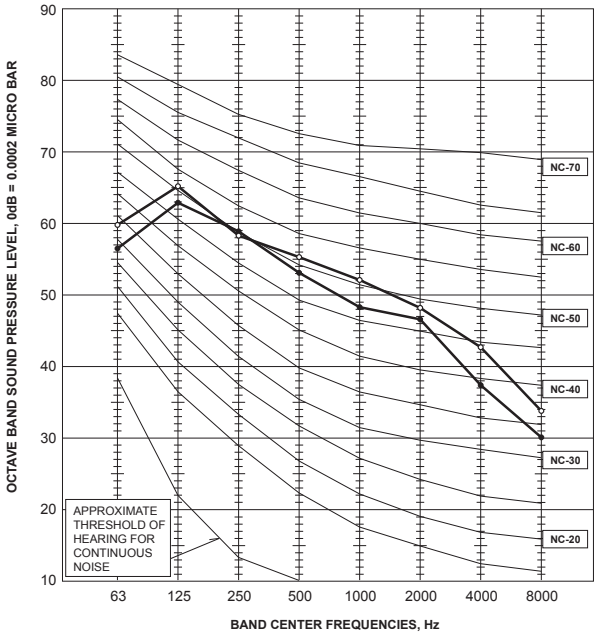


Test conditions
Cooling: Dry-bulb temperature 95°F Wet-bulb temperature 75°F
Heating: Dry-bulb temperature 45°F Wet-bulb temperature 43°F

MXZ-5C42NA2-U1

OUTDOOR UNIT

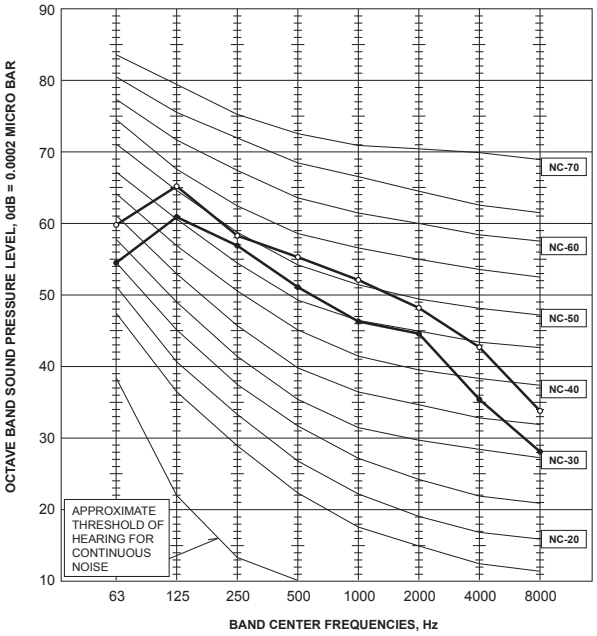
FAN SPEED	FUNCTION	SPL($dB_{(A)}$)	LINE
High	Cooling	56	●—●
High	Heating	58	○—○



MXZ-2C20NAHZ2-U1

OUTDOOR UNIT

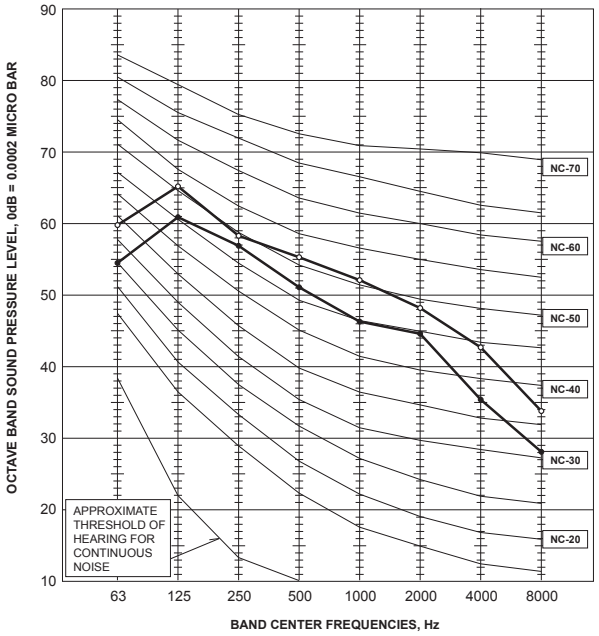
FAN SPEED	FUNCTION	SPL($dB_{(A)}$)	LINE
High	Cooling	54	●—●
High	Heating	58	○—○



MXZ-3C24NAHZ2-U1

OUTDOOR UNIT

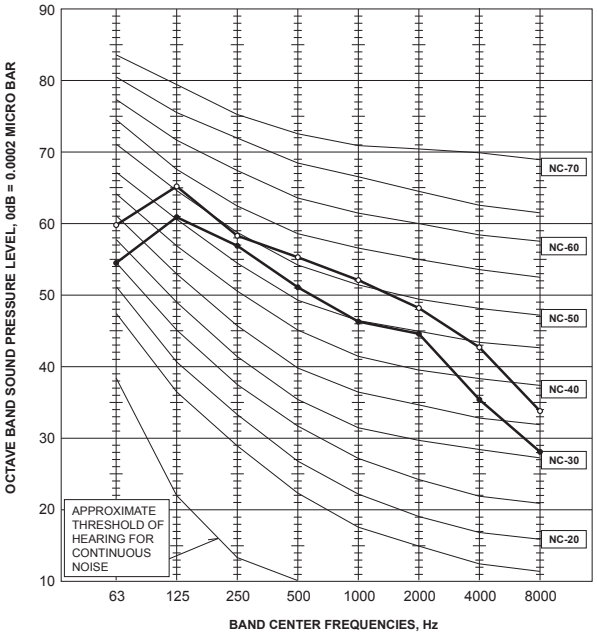
FAN SPEED	FUNCTION	SPL($dB_{(A)}$)	LINE
High	Cooling	54	●—●
High	Heating	58	○—○



MXZ-3C30NAHZ2-U1

OUTDOOR UNIT

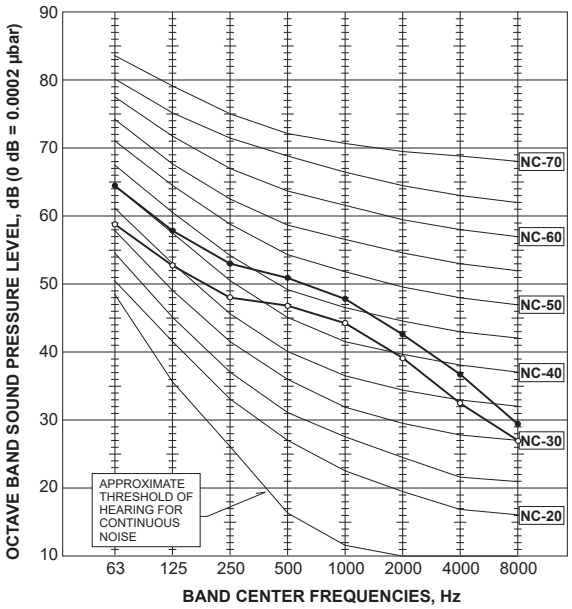
FAN SPEED	FUNCTION	SPL($dB_{(A)}$)	LINE
High	Cooling	54	●—●
High	Heating	58	○—○



MXZ-4C36NAHZ2-U1

OUTDOOR UNIT

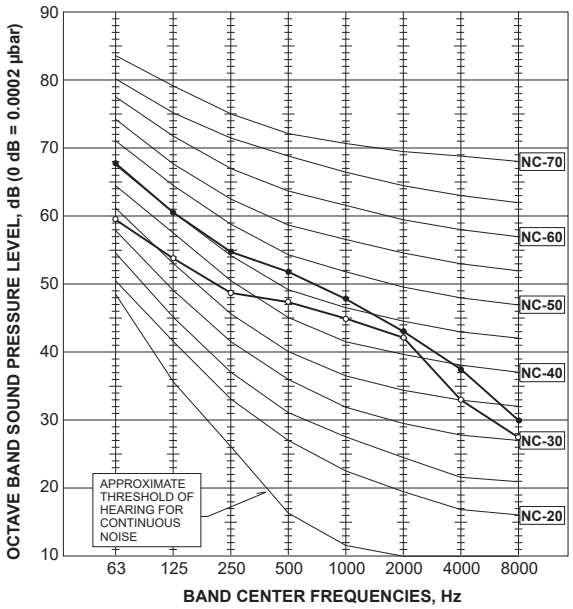
MODE	SPL(dB)	LINE
COOLING	49	○—○
HEATING	53	●—●



MXZ-5C42NAHZ2-U1

OUTDOOR UNIT

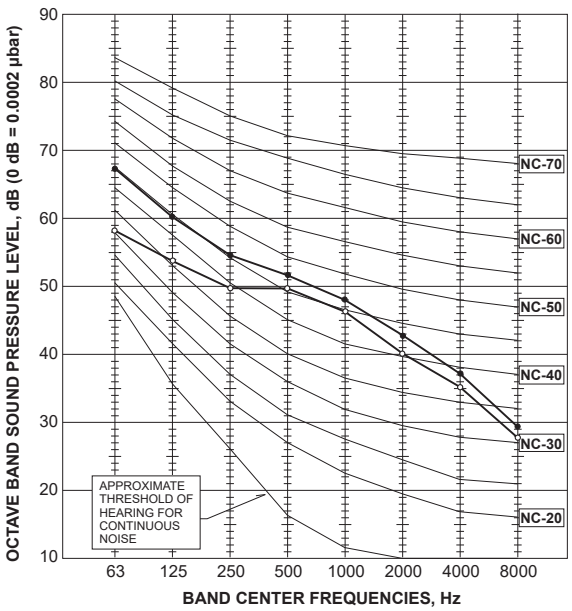
MODE	SPL(dB)	LINE
COOLING	50	○—○
HEATING	54	●—●

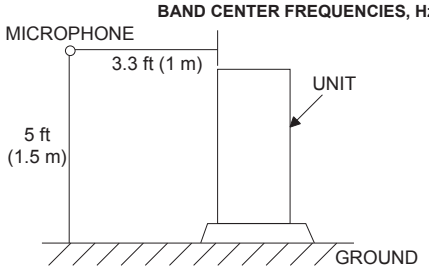


MXZ-8C48NA2-U1
MXZ-8C48NAHZ2-U1

OUTDOOR UNIT

MODE	SPL(dB)	LINE
COOLING	51	○—○
HEATING	54	●—●

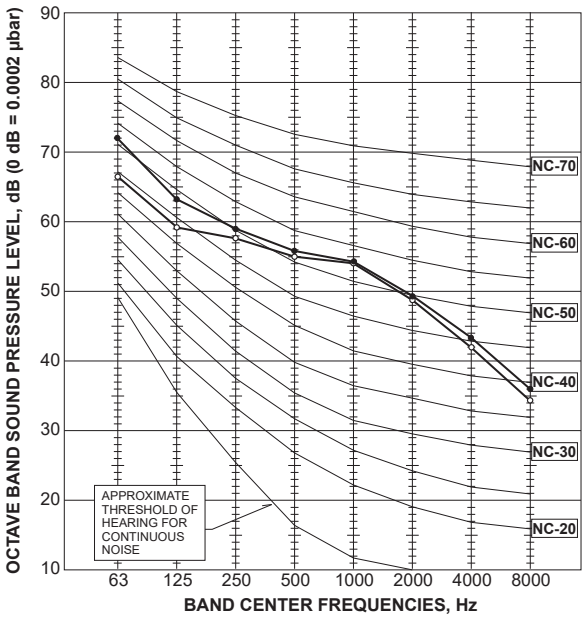




MXZ-8C60NA2-U1

OUTDOOR UNIT

MODE	SPL(dB)	LINE
COOLING	58	○—○
HEATING	59	●—●



A.9.7 ACTUATOR CONTROL

A.9.7.1 MXZ Series

MXZ-2C20NA2-U1 MXZ-3C24NA2-U1 MXZ-3C30NA2-U1
MXZ-4C36NA2-U1 MXZ-5C42NA2-U1
MXZ-2C20NAHZ2-U1 MXZ-3C24NAHZ2-U1 MXZ-3C30NAHZ2-U1

Relation between main sensor and actuator

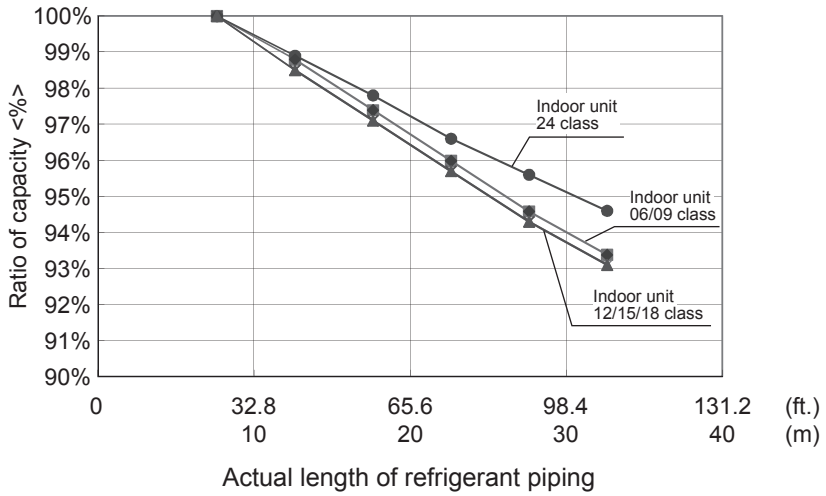
Sensor	Purpose	Actuator					
		Compressor	LEV	Outdoor fan motor	4-way valve	2-way solenoid valve *1	Defrost heater *2
Discharge temperature thermistor	Protection	○	○			○	
Indoor coil temperature thermistor	Cooling: Coil frost prevention	○				○	
	Heating: High pressure protection	○	○				
Defrost thermistor	Heating: Defrosting	○	○	○	○		
Fin temperature thermistor	Protection	○		○			
Ambient temperature thermistor	Control/Protection	○	○	○		○	
	Heating: Defrosting (Heater)						○
Outdoor heat exchanger temperature thermistor	Cooling: Control/ Protection	○	○	○		○	
Capacity code	Control	○	○				

*1 **MXZ-5C42NA2-U1, MXZ-2C20NAHZ2-U1, MXZ-3C24NAHZ2-U1, MXZ-3C30NAHZ2-U1**
*2 **MXZ-2C20NAHZ2-U1, MXZ-3C24NAHZ2-U1, MXZ-3C30NAHZ2-U1**

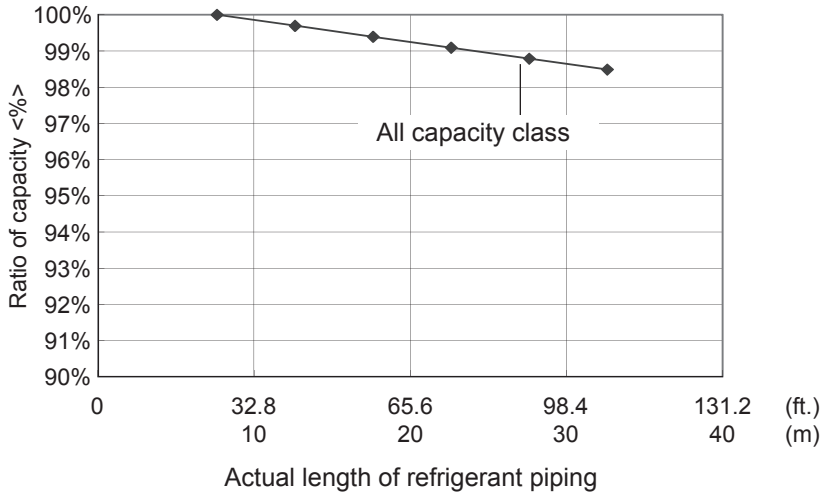
A.9.8 CAPACITY CORRECTION RATIO CURVE FOR PIPING LENGTH

MXZ-2C20NA2-U1 MXZ-3C24NA2-U1 MXZ-3C30NA2-U1
MXZ-4C36NA2-U1 MXZ-5C42NA2-U1
MXZ-2C20NAHZ2-U1 MXZ-3C24NAHZ2-U1 MXZ-3C30NAHZ2-U1

Correction ratio of capacity according to the length of piping (cooling)



Correction ratio of capacity according to the length of piping (heating)



The length intended for the capacity calculation, which counts the length of refrigerant piping and the number of bends, is called actual length.

Length of refrigerant piping (ft.) + (Number of bends × 0.984 ft.) = Actual length of refrigerant piping (ft.)
[Length of refrigerant piping (m) + (Number of bends × 0.3 m) = Actual length of refrigerant piping (m)]

MXZ-8C48NA2-U1 MXZ-8C60NA2-U1
MXZ-4C36NAHZ2-U1 MXZ-5C42NAHZ2-U1 MXZ-8C48NAHZ2-U1

CORRECTING CAPACITY FOR CHANGES IN THE LENGTH OF REFRIGERANT PIPING

During cooling, obtain the ratio (and the equivalent piping length) of the outdoor units rated capacity and the total in-use indoor capacity, and find the capacity ratio corresponding to the standard piping length from Figure 13 to 16. Then multiply by the cooling capacity from Figure 7 and 8 in "A.9.5 CORRECTION BY TEMPERATURE" to obtain the actual capacity.
During heating, find the equivalent piping length, and find the capacity ratio corresponding to standard piping length from Figure 17 to 18. Then multiply by the heating capacity from Figure 9 to 12 in "A.9.5 CORRECTION BY TEMPERATURE" to obtain the actual capacity.

(1) Capacity Correction Curve

Figure 13 MXZ-4C36NAHZ2-U1 <Cooling>

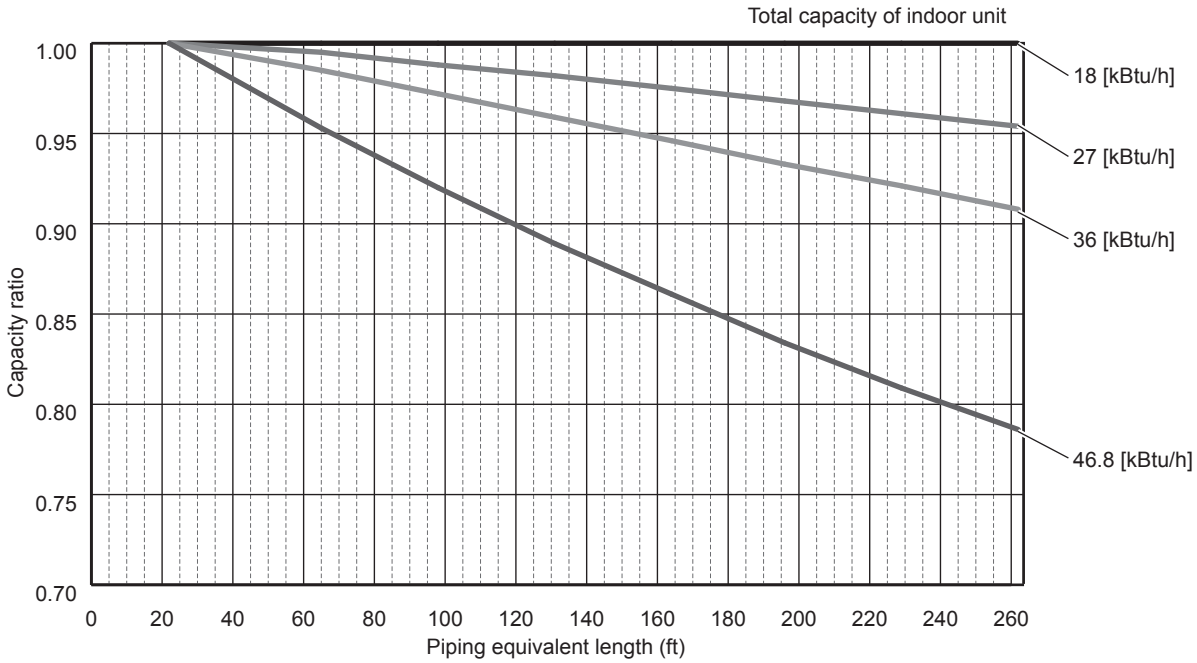


Figure 14 MXZ-5C42NAHZ2-U1 <Cooling>

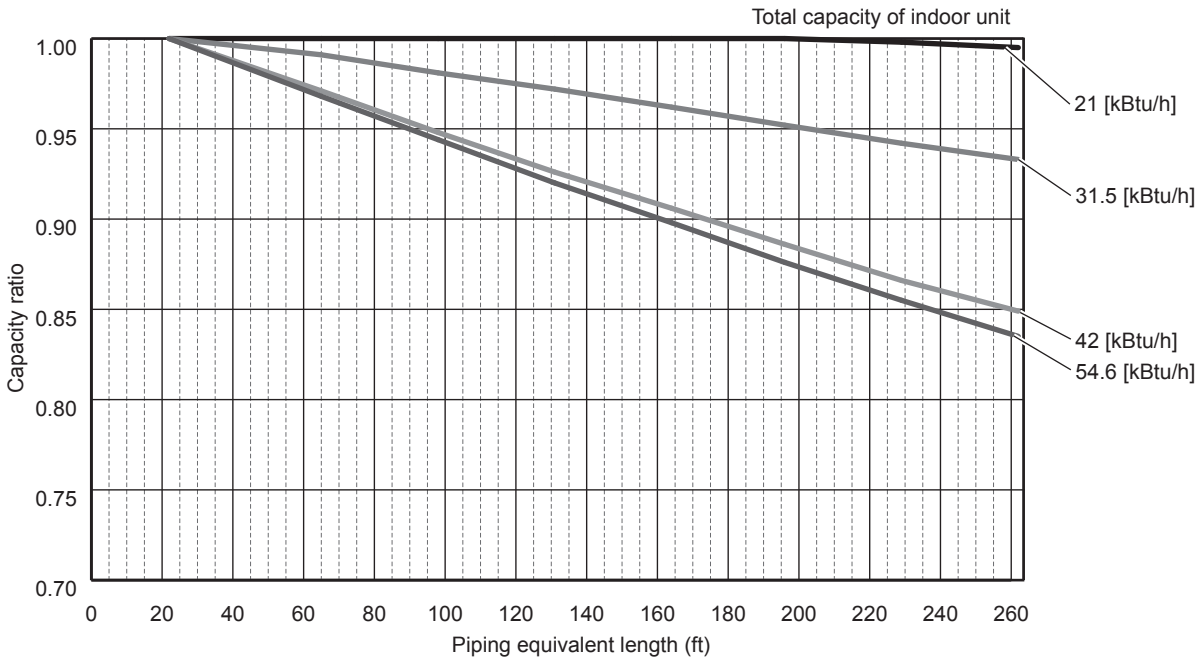


Figure 15 MXZ-8C48NA2-U1 MXZ-8C48NAHZ2-U1 <Cooling>

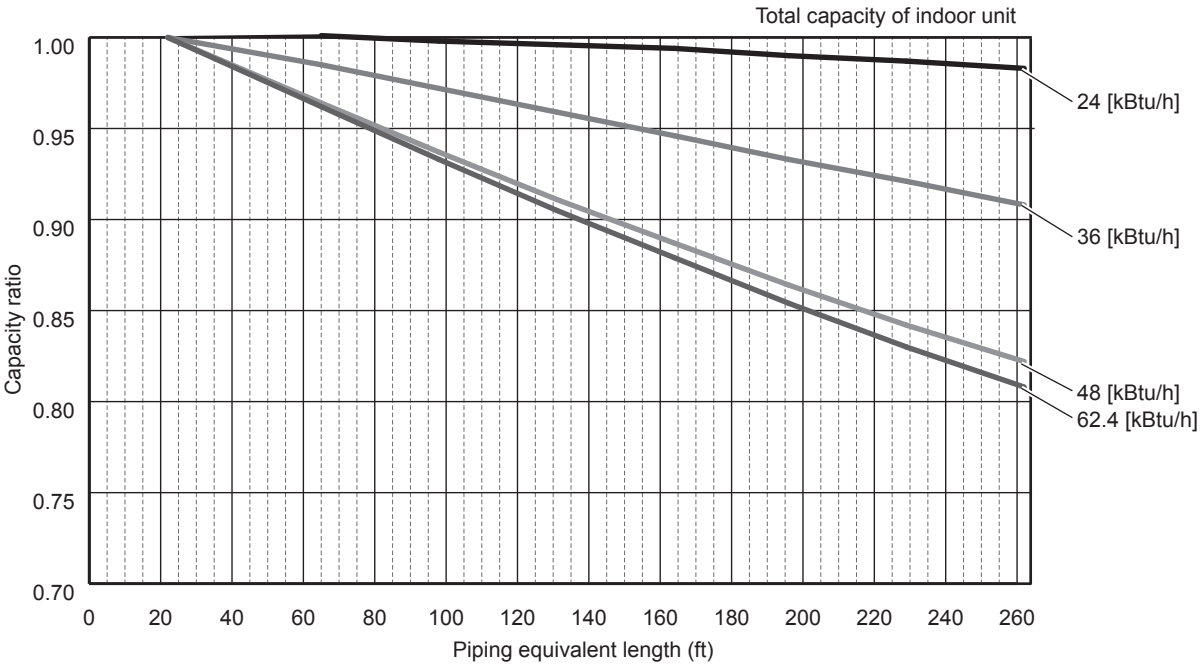


Figure 16 MXZ-8C60NA2-U1 <Cooling>

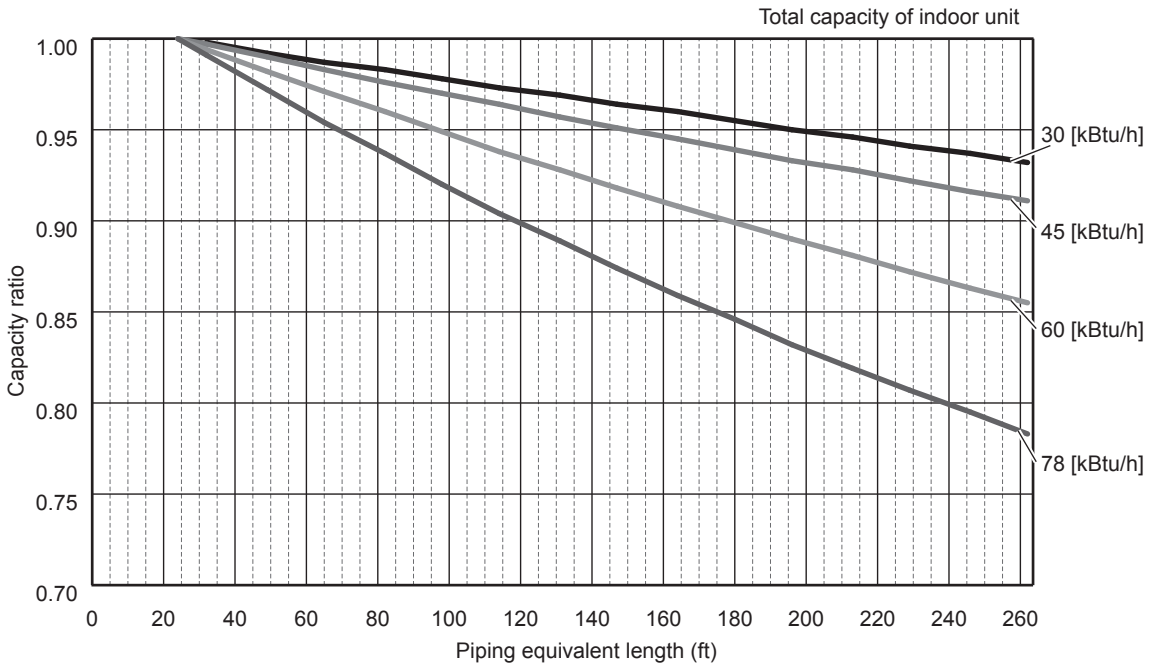


Figure 17 MXZ-4C36NAHZ2-U1 MXZ-5C42NAHZ2-U1
MXZ-8C48NA2-U1 MXZ-8C48NAHZ2-U1 <Heating>

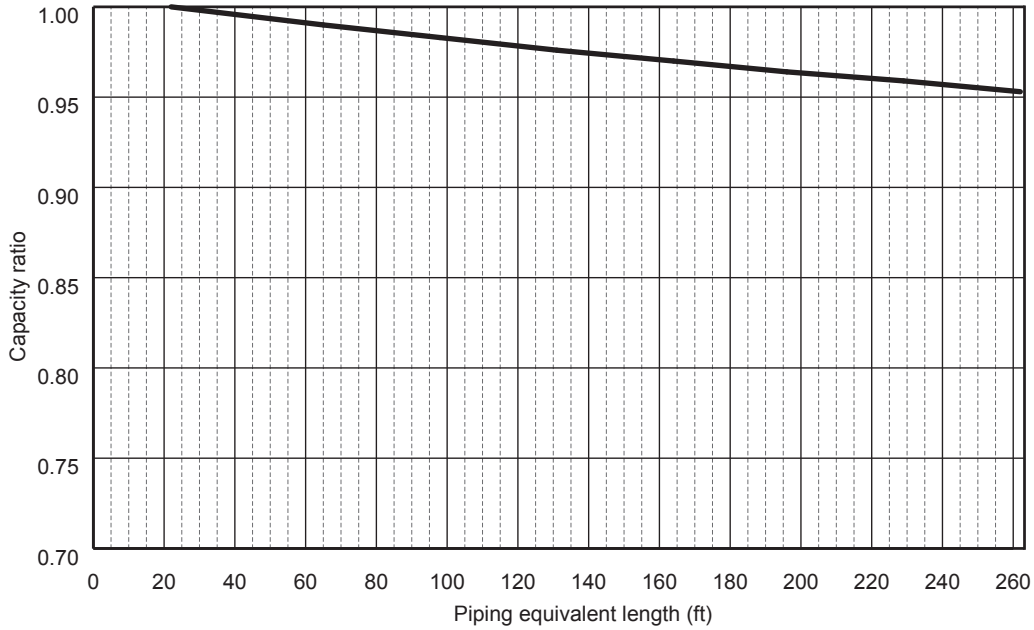
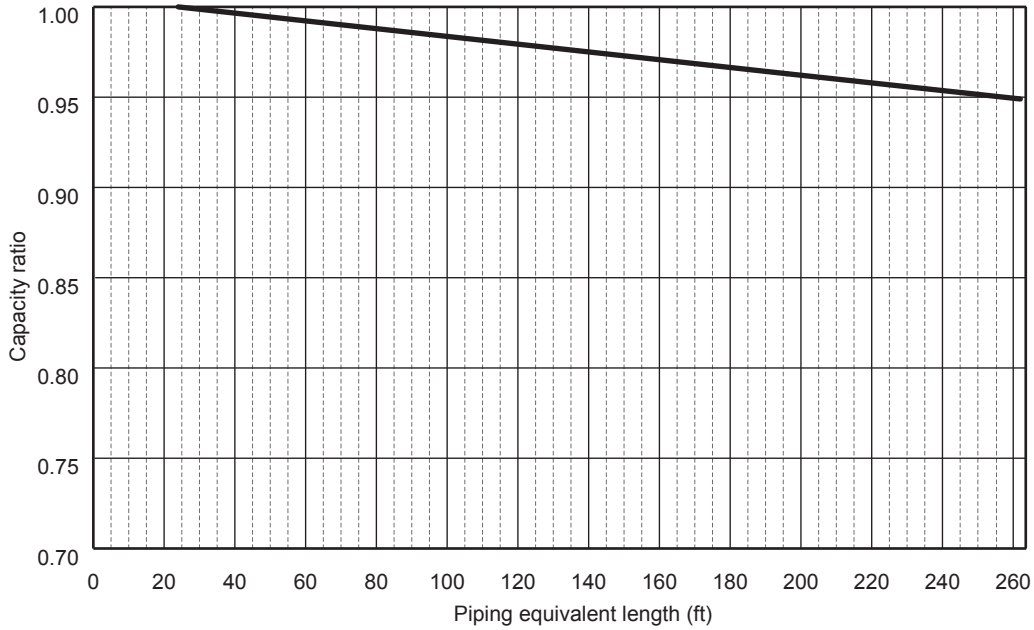


Figure 18 MXZ-8C60NA2-U1 <Heating>



(2) Method for Obtaining the Equivalent Piping Length

Equivalent length = (length of piping to farthest indoor unit) + (0.3 × number of bends in the piping) (m)

1. Correction of Heating Capacity for Frost and Defrosting

If heating capacity has been reduced due to frost formation or defrosting, multiply the capacity by the appropriate correction factor from the following table to obtain the actual heating capacity.

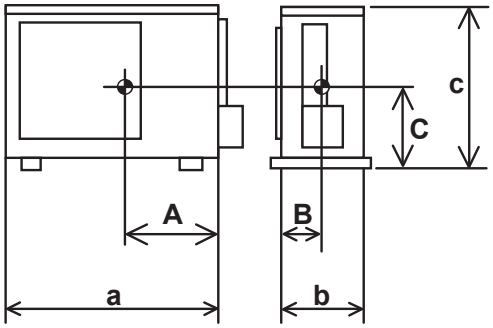
Correction factor diagram

Outdoor Intake temperature <W.B.°F (°C)>	43(6)	39(4)	36(2)	32(0)	28(−2)	25(−4)	21(−6)	18(−8)	14(−10)	5(−15)	−4(−20)	−13(−25)
Correction factor	1.00	0.98	0.89	0.88	0.89	0.90	0.95	0.95	0.95	0.95	0.95	0.95

A.9.9 POSITION OF THE CENTER OF GRAVITY

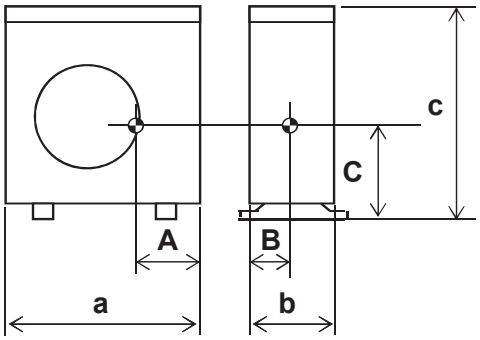
Unit: inch(mm)

MXZ-2C20NA2-U1

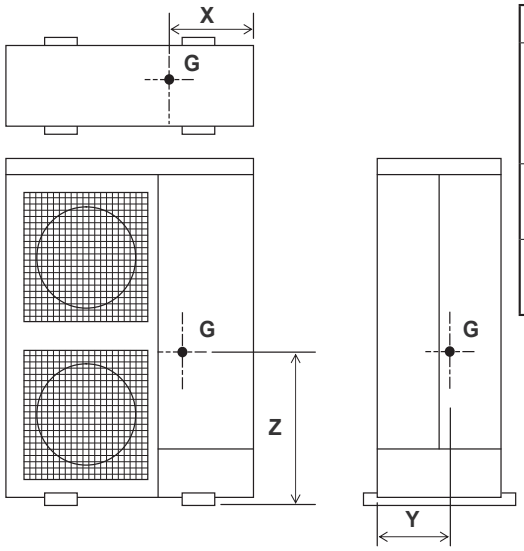


Model name	A	B	C	a	b	c
MXZ-2C20NA2-U1	11-1/32 (280)	6-3/32 (155)	13 (330)	33-1/16 (840)	13 (330)	27-15/16 (710)
MXZ-3C24NA2-U1 MXZ-3C30NA2-U1 MXZ-4C36NA2-U1	14-3/8 (365)	6-5/16 (160)	12-27/32 (326)	37-13/32 (950)	13 (330)	31-11/32 (796)
MXZ-2C20NAHZ2-U1 MXZ-3C24NAHZ2-U1 MXZ-3C30NAHZ2-U1 MXZ-5C42NA2-U1	12 (305)	5-29/32 (150)	17-23/32 (450)	37-13/32 (950)	13 (330)	41-17/64 (1048)

MXZ-3C24NA2-U1 **MXZ-2C20NAHZ2-U1**
MXZ-3C30NA2-U1 **MXZ-3C24NAHZ2-U1**
MXZ-4C36NA2-U1 **MXZ-3C30NAHZ2-U1**
MXZ-5C42NA2-U1



MXZ-4C36NAHZ2-U1
MXZ-5C42NAHZ2-U1
MXZ-8C48NAHZ2-U1
MXZ-8C48NA2-U1
MXZ-8C60NA2-U1



Model name	X	Y	Z
MXZ-4C36NAHZ2-U1 MXZ-5C42NAHZ2-U1 MXZ-8C48NAHZ2-U1	15 (380)	6-1/2 (165)	22-41/64 (575)
MXZ-8C48NA2-U1	14-9/16 (370)	6-19/64 (160)	22-7/32 (565)
MXZ-8C60NA2-U1	16-9/64 (410)	6-57/64 (175)	22-3/64 (560)

A.9.10 COMBINATION TABLE

MXZ-2C20NA2-U1 MXZ-3C24NA2-U1 MXZ-3C30NA2-U1 MXZ-4C36NA2-U1 MXZ-5C42NA2-U1 MXZ-2C20NAHZ2-U1 MXZ-3C24NAHZ2-U1 MXZ-3C30NAHZ2-U1

MXZ-2C20NA2-U1 combination table (Cooling) Non-duct

Indoor units combination		Indoor type		Cooling capacity (BTU/h)			Power consumption (W)	Current (A)	
Unit A	Unit B	Unit A	Unit B	Unit A	Unit B	Total		208V	230V
06		Wall		6000		6000	540	2.6	2.3
09		Wall		9000		9000	670	3.3	3.0
12		Wall		12000		12000	800	4.5	4.1
15		Wall		15000		15000	1060	6.4	5.8
06	06	Wall	Wall	6000	6000	12000	790	3.8	3.4
06	09	Wall	Wall	6000	9000	15000	1035	5.0	4.5
06	12	Wall	Wall	6000	12000	18000	1420	6.8	6.2
06	15	Wall	Wall	5710	14290	20000	1635	7.9	7.1
09	09	Wall	Wall	9000	9000	18000	1420	6.8	6.2
09	12	Wall	Wall	8570	11430	20000	1635	7.9	7.1
09	15	Wall	Wall	7500	12500	20000	1605	7.9	7.0
12	12	Wall	Wall	10000	10000	20000	1605	7.9	7.0

MXZ-2C20NA2-U1 combination table (Cooling) Duct

Indoor units combination		Indoor type		Cooling capacity (BTU/h)			Power consumption (W)	Current (A)	
Unit A	Unit B	Unit A	Unit B	Unit A	Unit B	Total		208V	230V
09		Duct		9000		9000	750	3.4	3.0
12		Duct		12000		12000	1010	4.5	4.1
15		Duct		15000		15000	1560	7.0	6.3
09	09	Duct	Duct	9000	9000	18000	1630	7.8	7.1
09	12	Duct	Duct	8570	11430	20000	2000	9.6	8.7
09	15	Duct	Duct	7500	12500	20000	2000	9.6	8.7
12	12	Duct	Duct	10000	10000	20000	2000	9.6	8.7

MXZ-2C20NA2-U1 combination table (Heating) Non-duct

Indoor units combination		Indoor type		Heating capacity (BTU/h)			Power consumption (W)	Current (A)	
Unit A	Unit B	Unit A	Unit B	Unit A	Unit B	Total		208V	230V
06		Wall		7400		7400	670	3.3	3.0
09		Wall		11000		11000	905	4.7	4.3
12		Wall		13600		13600	1240	6.2	5.6
15		Wall		18000		18000	1715	8.9	8.1
06	06	Wall	Wall	7400	7400	14800	1040	5.1	4.6
06	09	Wall	Wall	7360	11040	18400	1370	6.7	6.1
06	12	Wall	Wall	7000	14000	21000	1640	8.0	7.3
06	15	Wall	Wall	6290	15710	22000	1780	8.7	7.9
09	09	Wall	Wall	10500	10500	21000	1640	8.0	7.3
09	12	Wall	Wall	9430	12570	22000	1780	8.7	7.9
09	15	Wall	Wall	8250	13750	22000	1780	8.7	7.9
12	12	Wall	Wall	11000	11000	22000	1780	8.7	7.9

MXZ-2C20NA2-U1 combination table (Heating) Duct

Indoor units combination		Indoor type		Heating capacity (BTU/h)			Power consumption (W)	Current (A)	
Unit A	Unit B	Unit A	Unit B	Unit A	Unit B	Total		208V	230V
09		Duct		10900		10900	1000	4.6	4.2
12		Duct		13600		13600	1260	5.8	5.2
15		Duct		18000		18000	1650	8.4	7.6
09	09	Duct	Duct	10900	10900	21800	1810	8.7	7.9
09	12	Duct	Duct	9430	12570	22000	1770	8.6	7.7
09	15	Duct	Duct	8250	13750	22000	1770	8.6	7.7
12	12	Duct	Duct	11000	11000	22000	1770	8.6	7.7

MXZ-2C20NAHZ2-U1 combination table (Cooling) Non-duct

Indoor units combination		Indoor type		Cooling capacity (BTU/h)			Power consumption (W)	Current (A)	
Unit A	Unit B	Unit A	Unit B	Unit A	Unit B	Total		208V	230V
06		Wall		6000		6000	910	4.6	4.2
09		Wall		9000		9000	930	4.7	4.3
12		Wall		12000		12000	1020	5.2	4.7
15		Wall		14000		14000	1200	6.1	5.5
06	06	Wall	Wall	6000	6000	12000	970	4.7	4.3
06	09	Wall	Wall	6000	9000	15000	1060	5.2	4.7
06	12	Wall	Wall	6000	12000	18000	1280	6.2	5.6
06	15	Wall	Wall	5710	14290	20000	1760	8.6	7.7
09	09	Wall	Wall	9000	9000	18000	1280	6.2	5.6
09	12	Wall	Wall	8570	11430	20000	1760	8.6	7.7
09	15	Wall	Wall	7500	12500	20000	1740	8.5	7.6
12	12	Wall	Wall	10000	10000	20000	1740	8.5	7.6

MXZ-2C20NAHZ2-U1 combination table (Cooling) Duct

Indoor units combination		Indoor type		Cooling capacity (BTU/h)			Power consumption (W)	Current (A)	
Unit A	Unit B	Unit A	Unit B	Unit A	Unit B	Total		208V	230V
09		Duct		9000		9000	980	5.0	4.5
12		Duct		12000		12000	1150	5.8	5.3
15		Duct		15000		15000	1450	7.3	6.6
09	09	Duct	Duct	9000	9000	18000	1780	8.6	7.8
09	12	Duct	Duct	8570	11430	20000	1980	9.6	8.7
09	15	Duct	Duct	7500	12500	20000	1950	9.5	8.6
12	12	Duct	Duct	10000	10000	20000	1950	9.5	8.6

MXZ-2C20NAHZ2-U1 combination table (Heating) Non-duct

Indoor units combination		Indoor type		Heating capacity (BTU/h)			Power consumption (W)	Current (A)	
Unit A	Unit B	Unit A	Unit B	Unit A	Unit B	Total		208V	230V
06		Wall		7400		7400	860	4.4	3.9
09		Wall		11000		11000	950	4.8	4.4
12		Wall		14400		14400	1210	6.1	5.5
15		Wall		18000		18000	1600	8.1	7.3
06	06	Wall	Wall	7400	7400	14800	1030	5.0	4.5
06	09	Wall	Wall	7360	11040	18400	1310	6.4	5.8
06	12	Wall	Wall	7330	14670	22000	1480	7.2	6.5
06	15	Wall	Wall	6290	15710	22000	1590	7.7	7.0
09	09	Wall	Wall	11000	11000	22000	1480	7.2	6.5
09	12	Wall	Wall	9430	12570	22000	1590	7.7	7.0
09	15	Wall	Wall	8250	13750	22000	1560	7.6	6.9
12	12	Wall	Wall	11000	11000	22000	1560	7.6	6.9

MXZ-2C20NAHZ2-U1 combination table (Heating) Duct

Indoor units combination		Indoor type		Heating capacity (BTU/h)			Power consumption (W)	Current (A)	
Unit A	Unit B	Unit A	Unit B	Unit A	Unit B	Total		208V	230V
09		Duct		10900		10900	1000	5.1	4.6
12		Duct		13600		13600	1260	6.4	5.8
15		Duct		18000		18000	1650	8.4	7.6
09	09	Duct	Duct	10900	10900	21800	1700	8.3	7.5
09	12	Duct	Duct	9430	12570	22000	1930	9.4	8.5
09	15	Duct	Duct	8250	13750	22000	1960	9.5	8.6
12	12	Duct	Duct	11000	11000	22000	1960	9.5	8.6

MXZ-3C24NA2-U1 combination table (Cooling) Non-duct

Indoor units combination			Indoor type			Cooling capacity (BTU/h)				Power consumption (W)	Current (A)	
Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Total		208V	230V
06			Wall			6000			6000	870	4.4	4.0
09			Wall			9000			9000	890	4.5	4.1
12			Wall			12000			12000	980	5.0	4.5
15			Wall			14000			14000	1020	5.2	4.7
18			Wall			17200			17200	1440	7.3	6.6
06	06		Wall	Wall		6000	6000		12000	960	4.8	4.3
06	09		Wall	Wall		6000	9000		15000	1000	5.0	4.5
06	12		Wall	Wall		6000	12000		18000	1420	7.0	6.4
06	15		Wall	Wall		5710	14290		20000	1760	8.7	7.9
06	18		Wall	Wall		5450	16350		21800	2100	10.4	9.4
09	09		Wall	Wall		9000	9000		18000	1420	7.0	6.4
09	12		Wall	Wall		8570	11430		20000	1760	8.7	7.9
09	15		Wall	Wall		8180	13630		21800	2100	10.4	9.4
09	18		Wall	Wall		7270	14530		21800	2080	10.3	9.3
12	12		Wall	Wall		10900	10900		21800	2100	10.4	9.4
12	15		Wall	Wall		9690	12110		21800	2080	10.3	9.3
06	06	06	Wall	Wall	Wall	6000	6000	6000	18000	1320	6.4	5.8
06	06	09	Wall	Wall	Wall	6000	6000	9000	21000	1560	7.6	6.9
06	06	12	Wall	Wall	Wall	5500	5500	11000	22000	1960	9.5	8.6
06	06	15	Wall	Wall	Wall	5330	5330	13330	24000	2310	11.2	10.1
06	09	09	Wall	Wall	Wall	5500	8250	8250	22000	1960	9.5	8.6
06	09	12	Wall	Wall	Wall	5330	8000	10670	24000	2310	11.2	10.1
09	09	09	Wall	Wall	Wall	8000	8000	8000	24000	2310	11.2	10.1

MXZ-3C24NA2-U1 combination table (Cooling) Duct

Indoor units combination			Indoor type			Cooling capacity (BTU/h)				Power consumption (W)	Current (A)	
A	B	C	A	B	C	Unit A	Unit B	Unit C	Total		208V	230V
09			Duct			9000			9000	940	4.8	4.3
12			Duct			12000			12000	1070	5.4	4.9
15			Duct			15000			15000	1370	6.9	6.3
18			Duct			17200			17200	1770	9.0	8.1
09	09		Duct	Duct		9000	9000		18000	1750	8.7	7.8
09	12		Duct	Duct		9000	12000		21000	2040	10.1	9.1
09	15		Duct	Duct		8180	13630		21800	2300	11.4	10.3
09	18		Duct	Duct		7270	14530		21800	2260	11.2	10.1
12	12		Duct	Duct		10900	10900		21800	2300	11.4	10.3
12	15		Duct	Duct		9690	12110		21800	2260	11.2	10.1
09	09	09	Duct	Duct	Duct	7870	7870	7870	23600	1920	9.3	8.4

MXZ-3C24NA2-U1 combination table (Heating) Non-duct

Indoor units combination			Indoor type			Heating capacity (BTU/h)				Power consumption (W)	Current (A)	
Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Total		208V	230V
06			Wall			7400			7400	860	4.4	3.9
09			Wall			11000			11000	950	4.8	4.4
12			Wall			14400			14400	1210	6.1	5.5
15			Wall			18000			18000	1600	8.1	7.3
18			Wall			21600			21600	2000	10.1	9.2
06	06		Wall	Wall		7400	7400		14800	1020	5.1	4.6
06	09		Wall	Wall		7360	11040		18400	1300	6.4	5.8
06	12		Wall	Wall		7330	14670		22000	1600	7.9	7.2
06	15		Wall	Wall		6290	15710		22000	1880	9.3	8.4
06	18		Wall	Wall		6000	18000		24000	2140	10.6	9.6
09	09		Wall	Wall		11000	11000		22000	1600	7.9	7.2
09	12		Wall	Wall		9430	12570		22000	1880	9.3	8.4
09	15		Wall	Wall		9000	15000		24000	2140	10.6	9.6
09	18		Wall	Wall		8000	16000		24000	2100	10.4	9.4
12	12		Wall	Wall		12000	12000		24000	2140	10.6	9.6
12	15		Wall	Wall		10670	13330		24000	2100	10.4	9.4
06	06	06	Wall	Wall	Wall	7400	7400	7400	22200	1540	7.5	6.8
06	06	09	Wall	Wall	Wall	7090	7090	10630	24800	1690	8.2	7.4
06	06	12	Wall	Wall	Wall	6250	6250	12500	25000	1920	9.3	8.4
06	06	15	Wall	Wall	Wall	5560	5560	13890	25000	1880	9.1	8.3
06	09	09	Wall	Wall	Wall	6250	9380	9380	25000	1920	9.3	8.4
06	09	12	Wall	Wall	Wall	5560	8330	11110	25000	1880	9.1	8.3
09	09	09	Wall	Wall	Wall	8330	8330	8330	25000	1880	9.1	8.3

MXZ-3C24NA2-U1 combination table (Heating) Duct

Indoor units combination			Indoor type			Heating capacity (BTU/h)				Power consumption (W)	Current (A)	
Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Total		208V	230V
09			Duct			10900			10900	960	4.9	4.4
12			Duct			13600			13600	1220	6.2	5.6
15			Duct			18000			18000	1560	7.9	7.1
18			Duct			21600			21600	2010	10.2	9.2
09	09		Duct	Duct		10900	10900		21800	1750	8.7	7.8
09	12		Duct	Duct		9430	12570		22000	1980	9.8	8.9
09	15		Duct	Duct		9000	15000		24000	2280	11.3	10.2
09	18		Duct	Duct		8000	16000		24000	2240	11.1	10.0
12	12		Duct	Duct		12000	12000		24000	2280	11.3	10.2
12	15		Duct	Duct		10670	13330		24000	2240	11.1	10.0
09	09	09	Duct	Duct	Duct	8200	8200	8200	24600	1720	8.4	7.6

MXZ-3C24NAHZ2-U1 combination table (Cooling) Non-duct

Indoor units combination			Indoor type			Cooling capacity (BTU/h)				Power consumption (W)	Current (A)	
Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Total		208V	230V
06			Wall			6000			6000	910	4.6	4.2
09			Wall			9000			9000	930	4.7	4.3
12			Wall			12000			12000	1020	5.2	4.7
15			Wall			14000			14000	1200	6.1	5.5
18			Wall			17200			17200	1480	7.5	6.8
06	06		Wall	Wall		6000	6000		12000	970	4.8	4.4
06	09		Wall	Wall		6000	9000		15000	1060	5.3	4.8
06	12		Wall	Wall		6000	12000		18000	1280	6.3	5.7
06	15		Wall	Wall		5710	14290		20000	1750	8.7	7.8
06	18		Wall	Wall		5450	16350		21800	1820	9.0	8.2
09	09		Wall	Wall		9000	9000		18000	1280	6.3	5.7
09	12		Wall	Wall		8570	11430		20000	1750	8.7	7.8
09	15		Wall	Wall		8180	13630		21800	1820	9.0	8.2
09	18		Wall	Wall		7270	14530		21800	1800	8.9	8.1
12	12		Wall	Wall		10900	10900		21800	1820	9.0	8.2
12	15		Wall	Wall		9690	12110		21800	1800	8.9	8.1
06	06	06	Wall	Wall	Wall	6000	6000	6000	18000	1200	5.8	5.3
06	06	09	Wall	Wall	Wall	6000	6000	9000	21000	1360	6.6	6.0
06	06	12	Wall	Wall	Wall	5500	5500	11000	22000	1650	8.0	7.3
06	06	15	Wall	Wall	Wall	5330	5330	13330	24000	1950	9.5	8.6
06	09	09	Wall	Wall	Wall	5500	8250	8250	22000	1650	8.0	7.3
06	09	12	Wall	Wall	Wall	5330	8000	10670	24000	1950	9.5	8.6
09	09	09	Wall	Wall	Wall	8000	8000	8000	24000	1950	9.5	8.6

MXZ-3C24NAHZ2-U1 combination table (Cooling) Duct

Indoor units combination			Indoor type			Cooling capacity (BTU/h)				Power consumption (W)	Current (A)	
Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Total		208V	230V
09			Duct			9000			9000	980	5.0	4.5
12			Duct			12000			12000	1150	5.8	5.3
15			Duct			15000			15000	1450	7.3	6.6
18			Duct			17200			17200	1850	9.4	8.5
09	09		Duct	Duct		9000	9000		18000	1820	9.0	8.2
09	12		Duct	Duct		9000	12000		21000	2050	10.2	9.2
09	15		Duct	Duct		8180	13630		21800	2320	11.5	10.4
09	18		Duct	Duct		7270	14530		21800	2280	11.3	10.2
12	12		Duct	Duct		10900	10900		21800	2320	11.5	10.4
12	15		Duct	Duct		9690	12110		21800	2280	11.3	10.2
09	09	09	Duct	Duct	Duct	7870	7870	7870	23600	2180	10.6	9.6

MXZ-3C24NAHZ2-U1 combination table (Heating) Non-duct

Indoor units combination			Indoor type			Heating capacity (BTU/h)				Power consumption (W)	Current (A)	
Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Total		208V	230V
06			Wall			7400			7400	860	4.4	3.9
09			Wall			11000			11000	950	4.8	4.4
12			Wall			14400			14400	1210	6.1	5.5
15			Wall			18000			18000	1600	8.1	7.3
18			Wall			21600			21600	2000	10.1	9.2
06	06		Wall	Wall		7400	7400		14800	1030	5.1	4.6
06	09		Wall	Wall		7360	11040		18400	1310	6.5	5.9
06	12		Wall	Wall		7330	14670		22000	1620	8.0	7.3
06	15		Wall	Wall		6290	15710		22000	1590	7.9	7.1
06	18		Wall	Wall		5500	16500		22000	1560	7.7	7.0
09	09		Wall	Wall		11000	11000		22000	1620	8.0	7.3
09	12		Wall	Wall		9430	12570		22000	1590	7.9	7.1
09	15		Wall	Wall		8250	13750		22000	1560	7.7	7.0
09	18		Wall	Wall		7330	14670		22000	1530	7.6	6.9
12	12		Wall	Wall		11000	11000		22000	1560	7.7	7.0
12	15		Wall	Wall		9780	12220		22000	1530	7.6	6.9
06	06	06	Wall	Wall	Wall	7400	7400	7400	22200	1450	7.0	6.4
06	06	09	Wall	Wall	Wall	7090	7090	10630	24800	1670	8.1	7.3
06	06	12	Wall	Wall	Wall	6250	6250	12500	25000	1880	9.1	8.3
06	06	15	Wall	Wall	Wall	5560	5560	13890	25000	1860	9.0	8.2
06	09	09	Wall	Wall	Wall	6250	9380	9380	25000	1880	9.1	8.3
06	09	12	Wall	Wall	Wall	5560	8330	11110	25000	1860	9.0	8.2
09	09	09	Wall	Wall	Wall	8330	8330	8330	25000	1860	9.0	8.2

MXZ-3C24NAHZ2-U1 combination table (Heating) Duct

Indoor units combination			Indoor type			Heating capacity (BTU/h)				Power consumption (W)	Current (A)	
Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Total		208V	230V
09			Duct			10900			10900	1000	5.1	4.6
12			Duct			13600			13600	1260	6.4	5.8
15			Duct			18000			18000	1650	8.4	7.6
18			Duct			21600			21600	2050	10.4	9.4
09	09		Duct	Duct		10900	10900		21800	1820	9.0	8.2
09	12		Duct	Duct		9340	12460		21800	1990	9.9	8.9
09	15		Duct	Duct		8180	13630		21800	1960	9.7	8.8
09	18		Duct	Duct		7270	14530		21800	1930	9.6	8.7
12	12		Duct	Duct		10900	10900		21800	1960	9.7	8.8
12	15		Duct	Duct		9690	12110		21800	1930	9.6	8.7
09	09	09	Duct	Duct	Duct	8200	8200	8200	24600	1700	8.3	7.5

MXZ-3C30NA2-U1 combination table (Cooling) Non-duct

Indoor units combination			Indoor type			Cooling capacity (BTU/h)				Power consumption (W)	Current (A)	
Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Total		208V	230V
06			Wall			6000			6000	870	4.4	4.0
09			Wall			9000			9000	890	4.5	4.1
12			Wall			12000			12000	980	5.0	4.5
15			Wall			14000			14000	1020	5.2	4.7
18			Wall			17200			17200	1440	7.3	6.6
21			Wall			19800			19800	1840	9.3	8.4
24			Wall			22500			22500	2250	11.4	10.3
06	06		Wall	Wall		6000	6000		12000	960	4.8	4.3
06	09		Wall	Wall		6000	9000		15000	1000	5.0	4.5
06	12		Wall	Wall		6000	12000		18000	1420	7.0	6.4
06	15		Wall	Wall		5710	14290		20000	1760	8.7	7.9
06	18		Wall	Wall		5750	17250		23000	2100	10.4	9.4
06	21		Wall	Wall		5730	20070		25800	2420	12.0	10.9
06	24		Wall	Wall		5440	21760		27200	2800	13.9	12.6
09	09		Wall	Wall		9000	9000		18000	1420	7.0	6.4
09	12		Wall	Wall		8570	11430		20000	1760	8.7	7.9
09	15		Wall	Wall		8630	14380		23000	2100	10.4	9.4
09	18		Wall	Wall		8600	17200		25800	2420	12.0	10.9
09	21		Wall	Wall		8160	19040		27200	2800	13.9	12.6
09	24		Wall	Wall		7420	19780		27200	2760	13.7	12.4
12	12		Wall	Wall		11500	11500		23000	2100	10.4	9.4
12	15		Wall	Wall		11470	14330		25800	2420	12.0	10.9
12	18		Wall	Wall		10880	16320		27200	2800	13.9	12.6
12	21		Wall	Wall		9890	17310		27200	2760	13.7	12.4
12	24		Wall	Wall		9070	18130		27200	2720	13.5	12.2
15	15		Wall	Wall		13600	13600		27200	2800	13.9	12.6
15	18		Wall	Wall		12360	14840		27200	2760	13.7	12.4
15	21		Wall	Wall		11330	15870		27200	2720	13.5	12.2
18	18		Wall	Wall		13600	13600		27200	2720	13.5	12.2
06	06	06	Wall	Wall	Wall	6000	6000	6000	18000	1320	6.4	5.8
06	06	09	Wall	Wall	Wall	6000	6000	9000	21000	1560	7.6	6.9
06	06	12	Wall	Wall	Wall	6000	6000	12000	24000	1960	9.5	8.6
06	06	15	Wall	Wall	Wall	5780	5780	14440	26000	2310	11.2	10.1
06	06	18	Wall	Wall	Wall	5680	5680	17040	28400	2620	12.7	11.5
06	06	21	Wall	Wall	Wall	5380	5380	18840	29600	2860	13.9	12.6
06	06	24	Wall	Wall	Wall	5000	5000	20000	30000	2900	14.1	12.7
06	09	09	Wall	Wall	Wall	6000	9000	9000	24000	1960	9.5	8.6
06	09	12	Wall	Wall	Wall	5780	8670	11560	26000	2310	11.2	10.1
06	09	15	Wall	Wall	Wall	5680	8520	14200	28400	2620	12.7	11.5
06	09	18	Wall	Wall	Wall	5380	8070	16150	29600	2860	13.9	12.6
06	09	21	Wall	Wall	Wall	5000	7500	17500	30000	2900	14.1	12.7
06	12	12	Wall	Wall	Wall	5680	11360	11360	28400	2620	12.7	11.5
06	12	15	Wall	Wall	Wall	5380	10760	13450	29600	2860	13.9	12.6
06	12	18	Wall	Wall	Wall	5000	10000	15000	30000	2900	14.1	12.7
06	15	15	Wall	Wall	Wall	5000	12500	12500	30000	2900	14.1	12.7
09	09	09	Wall	Wall	Wall	8670	8670	8670	26000	2310	11.2	10.1
09	09	12	Wall	Wall	Wall	8520	8520	11360	28400	2620	12.7	11.5

MXZ-3C30NA2-U1 combination table (Cooling) Non-duct

Indoor units combination			Indoor type			Cooling capacity (BTU/h)				Power consumption (W)	Current (A)	
Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Total		208V	230V
09	09	15	Wall	Wall	Wall	8070	8070	13450	29600	2860	13.9	12.6
09	09	18	Wall	Wall	Wall	7500	7500	15000	30000	2900	14.1	12.7
09	12	12	Wall	Wall	Wall	8070	10760	10760	29600	2860	13.9	12.6
09	12	15	Wall	Wall	Wall	7500	10000	12500	30000	2900	14.1	12.7
12	12	12	Wall	Wall	Wall	10000	10000	10000	30000	2900	14.1	12.7

MXZ-3C30NA2-U1 combination table (Cooling) Duct

Indoor units combination			Indoor type			Cooling capacity (BTU/h)				Power consumption (W)	Current (A)	
Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Total		208V	230V
09			Duct			9000			9000	940	4.8	4.3
12			Duct			12000			12000	1070	5.4	4.9
15			Duct			15000			15000	1370	6.9	6.3
18			Duct			17200			17200	1770	9.0	8.1
21			Duct			20600			20600	2110	10.7	9.7
24			Duct			24000			24000	2360	11.9	10.8
09	09		Duct	Duct		9000	9000		18000	1750	8.7	7.8
09	12		Duct	Duct		9000	12000		21000	2040	10.1	9.1
09	15		Duct	Duct		9000	15000		24000	2300	11.4	10.3
09	18		Duct	Duct		8730	17470		26200	2560	12.7	11.5
09	21		Duct	Duct		8160	19040		27200	2860	14.2	12.8
09	24		Duct	Duct		7420	19780		27200	2840	14.1	12.7
12	12		Duct	Duct		12000	12000		24000	2300	11.4	10.3
12	15		Duct	Duct		11640	14560		26200	2560	12.7	11.5
12	18		Duct	Duct		10880	16320		27200	2860	14.2	12.8
12	21		Duct	Duct		9890	17310		27200	2840	14.1	12.7
12	24		Duct	Duct		9070	18130		27200	2820	14.0	12.6
15	15		Duct	Duct		13600	13600		27200	2860	14.2	12.8
15	18		Duct	Duct		12360	14840		27200	2840	14.1	12.7
15	21		Duct	Duct		11330	15870		27200	2820	14.0	12.6
18	18		Duct	Duct		13600	13600		27200	2820	14.0	12.6
09	09	09	Duct	Duct	Duct	9000	9000	9000	27000	2410	11.7	10.6
09	09	12	Duct	Duct	Duct	8220	8220	10960	27400	2660	12.9	11.7
09	09	15	Duct	Duct	Duct	7580	7580	12640	27800	2950	14.3	13.0
09	09	18	Duct	Duct	Duct	7050	7050	14100	28200	3170	15.4	13.9
09	12	12	Duct	Duct	Duct	7580	10110	10110	27800	2950	14.3	13.0
09	12	15	Duct	Duct	Duct	7050	9400	11750	28200	3170	15.4	13.9
12	12	12	Duct	Duct	Duct	9400	9400	9400	28200	3170	15.4	13.9

MXZ-3C30NA2-U1 combination table (Heating) Non-duct

Indoor units combination			Indoor type			Heating capacity (BTU/h)				Power consumption (W)	Current (A)	
Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Total		208V	230V
06			Wall			7400			7400	860	4.4	3.9
09			Wall			11000			11000	950	4.8	4.4
12			Wall			14400			14400	1210	6.1	5.5
15			Wall			18000			18000	1600	8.1	7.3
18			Wall			21600			21600	2000	10.1	9.2
21			Wall			24600			24600	2320	11.7	10.6
24			Wall			27600			27600	2640	13.4	12.1
06	06		Wall	Wall		7400	7400		14800	1020	5.1	4.6
06	09		Wall	Wall		7360	11040		18400	1300	6.4	5.8
06	12		Wall	Wall		7330	14670		22000	1600	7.9	7.2
06	15		Wall	Wall		7260	18140		25400	1880	9.3	8.4
06	18		Wall	Wall		6900	20700		27600	2140	10.6	9.6
06	21		Wall	Wall		6130	21470		27600	2100	10.4	9.4
06	24		Wall	Wall		5520	22080		27600	2120	10.5	9.5
09	09		Wall	Wall		11000	11000		22000	1600	7.9	7.2
09	12		Wall	Wall		10890	14510		25400	1880	9.3	8.4
09	15		Wall	Wall		10350	17250		27600	2140	10.6	9.6
09	18		Wall	Wall		9200	18400		27600	2100	10.4	9.4
09	21		Wall	Wall		8280	19320		27600	2120	10.5	9.5
09	24		Wall	Wall		7530	20070		27600	2080	10.3	9.3
12	12		Wall	Wall		13800	13800		27600	2140	10.6	9.6
12	15		Wall	Wall		12270	15330		27600	2100	10.4	9.4
12	18		Wall	Wall		11040	16560		27600	2120	10.5	9.5
12	21		Wall	Wall		10040	17560		27600	2080	10.3	9.3
12	24		Wall	Wall		9200	18400		27600	2040	10.1	9.1
15	15		Wall	Wall		13800	13800		27600	2120	10.5	9.5
15	18		Wall	Wall		12550	15050		27600	2080	10.3	9.3
15	21		Wall	Wall		11500	16100		27600	2040	10.1	9.1
18	18		Wall	Wall		13800	13800		27600	2040	10.1	9.1
06	06	06	Wall	Wall	Wall	7400	7400	7400	22200	1540	7.5	6.8
06	06	09	Wall	Wall	Wall	7370	7370	11060	25800	1780	8.6	7.8
06	06	12	Wall	Wall	Wall	7100	7100	14200	28400	1920	9.3	8.4
06	06	15	Wall	Wall	Wall	6310	6310	15780	28400	2020	9.8	8.9
06	06	18	Wall	Wall	Wall	5720	5720	17160	28600	2090	10.2	9.2
06	06	21	Wall	Wall	Wall	5380	5380	18840	29600	2280	11.1	10.0
06	06	24	Wall	Wall	Wall	5000	5000	20000	30000	2340	11.4	10.3
06	09	09	Wall	Wall	Wall	7100	10650	10650	28400	1920	9.3	8.4
06	09	12	Wall	Wall	Wall	6310	9470	12620	28400	2020	9.8	8.9
06	09	15	Wall	Wall	Wall	5720	8580	14300	28600	2090	10.2	9.2
06	09	18	Wall	Wall	Wall	5380	8070	16150	29600	2280	11.1	10.0
06	09	21	Wall	Wall	Wall	5000	7500	17500	30000	2340	11.4	10.3
06	12	12	Wall	Wall	Wall	5720	11440	11440	28600	2090	10.2	9.2
06	12	15	Wall	Wall	Wall	5380	10760	13450	29600	2280	11.1	10.0
06	12	18	Wall	Wall	Wall	5000	10000	15000	30000	2340	11.4	10.3
06	15	15	Wall	Wall	Wall	5000	12500	12500	30000	2340	11.4	10.3
09	09	09	Wall	Wall	Wall	9470	9470	9470	28400	2020	9.8	8.9
09	09	12	Wall	Wall	Wall	8580	8580	11440	28600	2090	10.2	9.2

MXZ-3C30NA2-U1 combination table (Heating) Non-duct

Indoor units combination			Indoor type			Heating capacity (BTU/h)				Power consumption (W)	Current (A)	
Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Total		208V	230V
09	09	15	Wall	Wall	Wall	8070	8070	13450	29600	2280	11.1	10.0
09	09	18	Wall	Wall	Wall	7500	7500	15000	30000	2340	11.4	10.3
09	12	12	Wall	Wall	Wall	8070	10760	10760	29600	2280	11.1	10.0
09	12	15	Wall	Wall	Wall	7500	10000	12500	30000	2340	11.4	10.3
12	12	12	Wall	Wall	Wall	10000	10000	10000	30000	2340	11.4	10.3

MXZ-3C30NA2-U1 combination table (Heating) Duct

Indoor units combination			Indoor type			Heating capacity (BTU/h)				Power consumption (W)	Current (A)	
Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Total		208V	230V
09			Duct			10900			10900	960	4.9	4.4
12			Duct			13600			13600	1220	6.2	5.6
15			Duct			18000			18000	1560	7.9	7.1
18			Duct			21600			21600	2010	10.2	9.2
21			Duct			23800			23800	2450	12.4	11.2
24			Duct			26000			26000	2710	13.7	12.4
09	09		Duct	Duct		10900	10900		21800	1750	8.7	7.8
09	12		Duct	Duct		10500	14000		24500	1980	9.8	8.9
09	15		Duct	Duct		10200	17000		27200	2150	10.7	9.6
09	18		Duct	Duct		9130	18270		27400	2240	11.1	10.0
09	21		Duct	Duct		8220	19180		27400	2160	10.7	9.7
09	24		Duct	Duct		7470	19930		27400	2120	10.5	9.5
12	12		Duct	Duct		13600	13600		27200	2150	10.7	9.6
12	15		Duct	Duct		12180	15220		27400	2240	11.1	10.0
12	18		Duct	Duct		10960	16440		27400	2160	10.7	9.7
12	21		Duct	Duct		9960	17440		27400	2120	10.5	9.5
12	24		Duct	Duct		9130	18270		27400	2080	10.3	9.3
15	15		Duct	Duct		13700	13700		27400	2160	10.7	9.7
15	18		Duct	Duct		12450	14950		27400	2120	10.5	9.5
15	21		Duct	Duct		11420	15980		27400	2080	10.3	9.3
18	18		Duct	Duct		13700	13700		27400	2080	10.3	9.3
09	09	09	Duct	Duct	Duct	9130	9130	9130	27400	2020	9.8	8.9
09	09	12	Duct	Duct	Duct	8280	8280	11040	27600	2060	10.0	9.1
09	09	15	Duct	Duct	Duct	7580	7580	12640	27800	2160	10.5	9.5
09	09	18	Duct	Duct	Duct	7000	7000	14000	28000	2120	10.3	9.3
09	12	12	Duct	Duct	Duct	7580	10110	10110	27800	2160	10.5	9.5
09	12	15	Duct	Duct	Duct	7000	9330	11670	28000	2120	10.3	9.3
12	12	12	Duct	Duct	Duct	9330	9330	9330	28000	2120	10.3	9.3

MXZ-3C30NAHZ2-U1 combination table (Cooling) Non-duct

Indoor units combination			Indoor type			Cooling capacity (BTU/h)				Power consumption (W)	Current (A)	
Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Total		208V	230V
06			Wall			6000			6000	910	4.6	4.2
09			Wall			9000			9000	930	4.7	4.3
12			Wall			12000			12000	1020	5.2	4.7
15			Wall			14000			14000	1200	6.1	5.5
18			Wall			17200			17200	1480	7.5	6.8
21			Wall			19800			19800	1880	9.5	8.6
24			Wall			22500			22500	2290	11.6	10.5
06	06		Wall	Wall		6000	6000		12000	970	4.8	4.4
06	09		Wall	Wall		6000	9000		15000	1060	5.3	4.8
06	12		Wall	Wall		6000	12000		18000	1280	6.3	5.7
06	15		Wall	Wall		5710	14290		20000	1760	8.7	7.9
06	18		Wall	Wall		5750	17250		23000	1840	9.1	8.3
06	21		Wall	Wall		5330	18670		24000	1920	9.5	8.6
06	24		Wall	Wall		4800	19200		24000	1900	9.4	8.5
09	09		Wall	Wall		9000	9000		18000	1280	6.3	5.7
09	12		Wall	Wall		8570	11430		20000	1760	8.7	7.9
09	15		Wall	Wall		8630	14380		23000	1840	9.1	8.3
09	18		Wall	Wall		8000	16000		24000	1920	9.5	8.6
09	21		Wall	Wall		7200	16800		24000	1900	9.4	8.5
09	24		Wall	Wall		6550	17450		24000	1880	9.3	8.4
12	12		Wall	Wall		11500	11500		23000	1840	9.1	8.3
12	15		Wall	Wall		10670	13330		24000	1920	9.5	8.6
12	18		Wall	Wall		9600	14400		24000	1900	9.4	8.5
12	21		Wall	Wall		8730	15270		24000	1880	9.3	8.4
12	24		Wall	Wall		8000	16000		24000	1860	9.2	8.3
15	15		Wall	Wall		12000	12000		24000	1900	9.4	8.5
15	18		Wall	Wall		10910	13090		24000	1880	9.3	8.4
15	21		Wall	Wall		10000	14000		24000	1860	9.2	8.3
18	18		Wall	Wall		12000	12000		24000	1860	9.2	8.3
06	06	06	Wall	Wall	Wall	6000	6000	6000	18000	1180	5.7	5.2
06	06	09	Wall	Wall	Wall	6000	6000	9000	21000	1340	6.5	5.9
06	06	12	Wall	Wall	Wall	6000	6000	12000	24000	1580	7.7	6.9
06	06	15	Wall	Wall	Wall	5780	5780	14440	26000	1820	8.8	8.0
06	06	18	Wall	Wall	Wall	5680	5680	17040	28400	2220	10.8	9.8
06	06	21	Wall	Wall	Wall	5160	5160	18070	28400	2250	10.9	9.9
06	06	24	Wall	Wall	Wall	4730	4730	18930	28400	2220	10.8	9.8
06	09	09	Wall	Wall	Wall	6000	9000	9000	24000	1580	7.7	6.9
06	09	12	Wall	Wall	Wall	5780	8670	11560	26000	1820	8.8	8.0
06	09	15	Wall	Wall	Wall	5680	8520	14200	28400	2220	10.8	9.8
06	09	18	Wall	Wall	Wall	5160	7750	15490	28400	2250	10.9	9.9
06	09	21	Wall	Wall	Wall	4730	7100	16570	28400	2220	10.8	9.8
06	12	12	Wall	Wall	Wall	5680	11360	11360	28400	2220	10.8	9.8
06	12	15	Wall	Wall	Wall	5160	10330	12910	28400	2250	10.9	9.9
06	12	18	Wall	Wall	Wall	4730	9470	14200	28400	2220	10.8	9.8
06	15	15	Wall	Wall	Wall	4730	11830	11830	28400	2220	10.8	9.8
09	09	09	Wall	Wall	Wall	8670	8670	8670	26000	1820	8.8	8.0
09	09	12	Wall	Wall	Wall	8520	8520	11360	28400	2220	10.8	9.8

MXZ-3C30NAHZ2-U1 combination table (Cooling) Non-duct

Indoor units combination			Indoor type			Cooling capacity (BTU/h)				Power consumption (W)	Current (A)	
Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Total		208V	230V
09	09	15	Wall	Wall	Wall	7750	7750	12910	28400	2250	10.9	9.9
09	09	18	Wall	Wall	Wall	7100	7100	14200	28400	2220	10.8	9.8
09	12	12	Wall	Wall	Wall	7750	10330	10330	28400	2250	10.9	9.9
09	12	15	Wall	Wall	Wall	7100	9470	11830	28400	2220	10.8	9.8
12	12	12	Wall	Wall	Wall	9470	9470	9470	28400	2220	10.8	9.8

MXZ-3C30NAHZ2-U1 combination table (Cooling) Duct

Indoor units combination			Indoor type			Cooling capacity (BTU/h)				Power consumption (W)	Current (A)	
Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Total		208V	230V
09			Duct			9000			9000	980	5.0	4.5
12			Duct			12000			12000	1150	5.8	5.3
15			Duct			15000			15000	1450	7.3	6.6
18			Duct			17200			17200	1850	9.4	8.5
21			Duct			20600			20600	2150	10.9	9.8
24			Duct			24000			24000	2400	12.2	11.0
09	09		Duct	Duct		9000	9000		18000	1820	9.0	8.2
09	12		Duct	Duct		9000	12000		21000	2020	10.0	9.1
09	15		Duct	Duct		9000	15000		24000	2300	11.4	10.3
09	18		Duct	Duct		8000	16000		24000	2270	11.3	10.2
09	21		Duct	Duct		7200	16800		24000	2240	11.1	10.0
09	24		Duct	Duct		6550	17450		24000	2210	11.0	9.9
12	12		Duct	Duct		12000	12000		24000	2300	11.4	10.3
12	15		Duct	Duct		10670	13330		24000	2270	11.3	10.2
12	18		Duct	Duct		9600	14400		24000	2240	11.1	10.0
12	21		Duct	Duct		8730	15270		24000	2210	11.0	9.9
12	24		Duct	Duct		8000	16000		24000	2190	10.9	9.8
15	15		Duct	Duct		12000	12000		24000	2240	11.1	10.0
15	18		Duct	Duct		10910	13090		24000	2210	11.0	9.9
15	21		Duct	Duct		10000	14000		24000	2190	10.9	9.8
18	18		Duct	Duct		12000	12000		24000	2190	10.9	9.8
09	09	09	Duct	Duct	Duct	9000	9000	9000	27000	2400	11.7	10.5
09	09	12	Duct	Duct	Duct	8220	8220	10960	27400	2500	12.1	11.0
09	09	15	Duct	Duct	Duct	7470	7470	12450	27400	2630	12.8	11.6
09	09	18	Duct	Duct	Duct	6850	6850	13700	27400	2600	12.6	11.4
09	12	12	Duct	Duct	Duct	7470	9960	9960	27400	2630	12.8	11.6
09	12	15	Duct	Duct	Duct	6850	9130	11420	27400	2600	12.6	11.4
12	12	12	Duct	Duct	Duct	9130	9130	9130	27400	2600	12.6	11.4

MXZ-3C30NAHZ2-U1 combination table (Heating) Non-duct

Indoor units combination			Indoor type			Heating capacity (BTU/h)				Power consumption (W)	Current (A)	
Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Total		208V	230V
06			Wall			7400			7400	860	4.4	3.9
09			Wall			11000			11000	950	4.8	4.4
12			Wall			14400			14400	1210	6.1	5.5
15			Wall			18000			18000	1600	8.1	7.3
18			Wall			21600			21600	2000	10.1	9.2
21			Wall			22000			22000	2360	11.9	10.8
24			Wall			22600			22600	2680	13.6	12.3
06	06		Wall	Wall		7400	7400		14800	1030	5.1	4.6
06	09		Wall	Wall		7360	11040		18400	1310	6.5	5.9
06	12		Wall	Wall		7330	14670		22000	1620	8.0	7.3
06	15		Wall	Wall		6290	15710		22000	1900	9.4	8.5
06	18		Wall	Wall		5750	17250		23000	2210	11.0	9.9
06	21		Wall	Wall		5330	18670		24000	2170	10.8	9.7
06	24		Wall	Wall		4800	19200		24000	2140	10.6	9.6
09	09		Wall	Wall		11000	11000		22000	1620	8.0	7.3
09	12		Wall	Wall		9430	12570		22000	1900	9.4	8.5
09	15		Wall	Wall		8630	14380		23000	2210	11.0	9.9
09	18		Wall	Wall		8000	16000		24000	2170	10.8	9.7
09	21		Wall	Wall		7200	16800		24000	2140	10.6	9.6
09	24		Wall	Wall		6550	17450		24000	2110	10.5	9.5
12	12		Wall	Wall		11500	11500		23000	2210	11.0	9.9
12	15		Wall	Wall		10670	13330		24000	2170	10.8	9.7
12	18		Wall	Wall		9600	14400		24000	2140	10.6	9.6
12	21		Wall	Wall		8730	15270		24000	2110	10.5	9.5
12	24		Wall	Wall		8000	16000		24000	2080	10.3	9.3
15	15		Wall	Wall		12000	12000		24000	2140	10.6	9.6
15	18		Wall	Wall		10910	13090		24000	2110	10.5	9.5
15	21		Wall	Wall		10000	14000		24000	2080	10.3	9.3
18	18		Wall	Wall		12000	12000		24000	2080	10.3	9.3
06	06	06	Wall	Wall	Wall	7400	7400	7400	22200	1450	7.0	6.4
06	06	09	Wall	Wall	Wall	7370	7370	11060	25800	1560	7.6	6.9
06	06	12	Wall	Wall	Wall	7100	7100	14200	28400	1700	8.3	7.5
06	06	15	Wall	Wall	Wall	6310	6310	15780	28400	1900	9.2	8.3
06	06	18	Wall	Wall	Wall	5720	5720	17160	28600	2040	9.9	9.0
06	06	21	Wall	Wall	Wall	5200	5200	18200	28600	2010	9.8	8.8
06	06	24	Wall	Wall	Wall	4770	4770	19070	28600	1980	9.6	8.7
06	09	09	Wall	Wall	Wall	7100	10650	10650	28400	1700	8.3	7.5
06	09	12	Wall	Wall	Wall	6310	9470	12620	28400	1900	9.2	8.3
06	09	15	Wall	Wall	Wall	5720	8580	14300	28600	2040	9.9	9.0
06	09	18	Wall	Wall	Wall	5200	7800	15600	28600	2010	9.8	8.8
06	09	21	Wall	Wall	Wall	4770	7150	16680	28600	1980	9.6	8.7
06	12	12	Wall	Wall	Wall	5720	11440	11440	28600	2040	9.9	9.0
06	12	15	Wall	Wall	Wall	5200	10400	13000	28600	2010	9.8	8.8
06	12	18	Wall	Wall	Wall	4770	9530	14300	28600	1980	9.6	8.7
06	15	15	Wall	Wall	Wall	4770	11920	11920	28600	1980	9.6	8.7
09	09	09	Wall	Wall	Wall	9470	9470	9470	28400	1900	9.2	8.3
09	09	12	Wall	Wall	Wall	8580	8580	11440	28600	2040	9.9	9.0

MXZ-3C30NAHZ2-U1 combination table (Heating) Non-duct

Indoor units combination			Indoor type			Heating capacity (BTU/h)				Power consumption (W)	Current (A)	
Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Total		208V	230V
09	09	15	Wall	Wall	Wall	7800	7800	13000	28600	2010	9.8	8.8
09	09	18	Wall	Wall	Wall	7150	7150	14300	28600	1980	9.6	8.7
09	12	12	Wall	Wall	Wall	7800	10400	10400	28600	2010	9.8	8.8
09	12	15	Wall	Wall	Wall	7150	9530	11920	28600	1980	9.6	8.7
12	12	12	Wall	Wall	Wall	9530	9530	9530	28600	1980	9.6	8.7

MXZ-3C30NAHZ2-U1 combination table (Heating) Duct

Indoor units combination			Indoor type			Heating capacity (BTU/h)				Power consumption (W)	Current (A)	
Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Total		208V	230V
09			Duct			10900			10900	1000	5.1	4.6
12			Duct			13600			13600	1260	6.4	5.8
15			Duct			18000			18000	1650	8.4	7.6
18			Duct			21600			21600	2050	10.4	9.4
21			Duct			22800			22800	2450	12.4	11.2
24			Duct			24000			24000	2710	13.7	12.4
09	09		Duct	Duct		10900	10900		21800	1820	9.0	8.2
09	12		Duct	Duct		9770	13030		22800	1990	9.9	8.9
09	15		Duct	Duct		9000	15000		24000	2210	11.0	9.9
09	18		Duct	Duct		8000	16000		24000	2180	10.8	9.8
09	21		Duct	Duct		7200	16800		24000	2150	10.7	9.6
09	24		Duct	Duct		6550	17450		24000	2120	10.5	9.5
12	12		Duct	Duct		12000	12000		24000	2210	11.0	9.9
12	15		Duct	Duct		10670	13330		24000	2180	10.8	9.8
12	18		Duct	Duct		9600	14400		24000	2150	10.7	9.6
12	21		Duct	Duct		8730	15270		24000	2120	10.5	9.5
12	24		Duct	Duct		8000	16000		24000	2090	10.4	9.4
15	15		Duct	Duct		12000	12000		24000	2150	10.7	9.6
15	18		Duct	Duct		10910	13090		24000	2120	10.5	9.5
15	21		Duct	Duct		10000	14000		24000	2090	10.4	9.4
18	18		Duct	Duct		12000	12000		24000	2090	10.4	9.4
09	09	09	Duct	Duct	Duct	9130	9130	9130	27400	1950	9.5	8.6
09	09	12	Duct	Duct	Duct	8280	8280	11040	27600	2100	10.2	9.2
09	09	15	Duct	Duct	Duct	7530	7530	12550	27600	2070	10.1	9.1
09	09	18	Duct	Duct	Duct	6900	6900	13800	27600	2040	9.9	9.0
09	12	12	Duct	Duct	Duct	7530	10040	10040	27600	2070	10.1	9.1
09	12	15	Duct	Duct	Duct	6900	9200	11500	27600	2040	9.9	9.0
12	12	12	Duct	Duct	Duct	9200	9200	9200	27600	2040	9.9	9.0

MXZ-4C36NA2-U1 combination table (Cooling) Non-duct

Indoor units combination				Indoor type				Cooling capacity (BTU/h)					Power consumption (W)	Current (A)	
Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D	Total		208V	230V
06				Wall				6000				6000	870	4.4	4.0
09				Wall				9000				9000	890	4.5	4.1
12				Wall				12000				12000	980	5.0	4.5
15				Wall				14000				14000	1020	5.2	4.7
18				Wall				17200				17200	1440	7.3	6.6
21				Wall				19800				19800	1840	9.3	8.4
24				Wall				22500				22500	2250	11.4	10.3
06	06			Wall	Wall			6000	6000			12000	960	4.8	4.3
06	09			Wall	Wall			6000	9000			15000	1000	5.0	4.5
06	12			Wall	Wall			6000	12000			18000	1420	7.0	6.4
06	15			Wall	Wall			5710	14290			20000	1760	8.7	7.9
06	18			Wall	Wall			5750	17250			23000	2100	10.4	9.4
06	21			Wall	Wall			5730	20070			25800	2420	12.0	10.9
06	24			Wall	Wall			5600	22400			28000	2800	13.9	12.6
09	09			Wall	Wall			9000	9000			18000	1420	7.0	6.4
09	12			Wall	Wall			8570	11430			20000	1760	8.7	7.9
09	15			Wall	Wall			8630	14380			23000	2100	10.4	9.4
09	18			Wall	Wall			8600	17200			25800	2420	12.0	10.9
09	21			Wall	Wall			8400	19600			28000	2800	13.9	12.6
09	24			Wall	Wall			7640	20360			28000	2760	13.7	12.4
12	12			Wall	Wall			11500	11500			23000	2100	10.4	9.4
12	15			Wall	Wall			11470	14330			25800	2420	12.0	10.9
12	18			Wall	Wall			11200	16800			28000	2800	13.9	12.6
12	21			Wall	Wall			10180	17820			28000	2760	13.7	12.4
12	24			Wall	Wall			9330	18670			28000	2720	13.5	12.2
15	15			Wall	Wall			14000	14000			28000	2800	13.9	12.6
15	18			Wall	Wall			12730	15270			28000	2760	13.7	12.4
15	21			Wall	Wall			11670	16330			28000	2720	13.5	12.2
18	18			Wall	Wall			14000	14000			28000	2720	13.5	12.2
06	06	06		Wall	Wall	Wall		6000	6000	6000		18000	1320	6.5	5.9
06	06	09		Wall	Wall	Wall		6000	6000	9000		21000	1560	7.7	7.0
06	06	12		Wall	Wall	Wall		6000	6000	12000		24000	1960	9.7	8.8
06	06	15		Wall	Wall	Wall		5780	5780	14440		26000	2310	11.5	10.4
06	06	18		Wall	Wall	Wall		5680	5680	17040		28400	2620	13.0	11.7
06	06	21		Wall	Wall	Wall		5820	5820	20360		32000	2860	14.2	12.8
06	06	24		Wall	Wall	Wall		5330	5330	21330		32000	2970	14.7	13.3
06	09	09		Wall	Wall	Wall		6000	9000	9000		24000	1960	9.7	8.8
06	09	12		Wall	Wall	Wall		5780	8670	11560		26000	2310	11.5	10.4
06	09	15		Wall	Wall	Wall		5680	8520	14200		28400	2620	13.0	11.7
06	09	18		Wall	Wall	Wall		5820	8730	17450		32000	2860	14.2	12.8
06	09	21		Wall	Wall	Wall		5330	8000	18670		32000	2970	14.7	13.3
06	09	24		Wall	Wall	Wall		4920	7380	19690		32000	3070	15.2	13.8
06	12	12		Wall	Wall	Wall		5680	11360	11360		28400	2620	13.0	11.7
06	12	15		Wall	Wall	Wall		5820	11640	14550		32000	2860	14.2	12.8
06	12	18		Wall	Wall	Wall		5330	10670	16000		32000	2970	14.7	13.3
06	12	21		Wall	Wall	Wall		4920	9850	17230		32000	3070	15.2	13.8
06	12	24		Wall	Wall	Wall		4570	9140	18290		32000	3030	15.0	13.6

MXZ-4C36NA2-U1 combination table (Cooling) Non-duct

Indoor units combination				Indoor type				Cooling capacity (BTU/h)					Power consumption (W)	Current (A)	
Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D	Total		208V	230V
06	15	15		Wall	Wall	Wall		5330	13330	13330		32000	2970	14.7	13.3
06	15	18		Wall	Wall	Wall		4920	12310	14770		32000	3070	15.2	13.8
06	15	21		Wall	Wall	Wall		4570	11430	16000		32000	3030	15.0	13.6
06	18	18		Wall	Wall	Wall		4570	13710	13710		32000	3030	15.0	13.6
09	09	09		Wall	Wall	Wall		8670	8670	8670		26000	2310	11.5	10.4
09	09	12		Wall	Wall	Wall		8520	8520	11360		28400	2620	13.0	11.7
09	09	15		Wall	Wall	Wall		8730	8730	14550		32000	2860	14.2	12.8
09	09	18		Wall	Wall	Wall		8000	8000	16000		32000	2970	14.7	13.3
09	09	21		Wall	Wall	Wall		7380	7380	17230		32000	3070	15.2	13.8
09	09	24		Wall	Wall	Wall		6860	6860	18290		32000	3030	15.0	13.6
09	12	12		Wall	Wall	Wall		8730	11640	11640		32000	2860	14.2	12.8
09	12	15		Wall	Wall	Wall		8000	10670	13330		32000	2970	14.7	13.3
09	12	18		Wall	Wall	Wall		7380	9850	14770		32000	3070	15.2	13.8
09	12	21		Wall	Wall	Wall		6860	9140	16000		32000	3030	15.0	13.6
09	15	15		Wall	Wall	Wall		7380	12310	12310		32000	3070	15.2	13.8
09	15	18		Wall	Wall	Wall		6860	11430	13710		32000	3030	15.0	13.6
12	12	12		Wall	Wall	Wall		10670	10670	10670		32000	2970	14.7	13.3
12	12	15		Wall	Wall	Wall		9850	9850	12310		32000	3070	15.2	13.8
12	12	18		Wall	Wall	Wall		9140	9140	13710		32000	3030	15.0	13.6
12	15	15		Wall	Wall	Wall		9140	11430	11430		32000	3030	15.0	13.6
06	06	06	06	Wall	Wall	Wall	Wall	6000	6000	6000	6000	24000	1940	9.4	8.5
06	06	06	09	Wall	Wall	Wall	Wall	6000	6000	6000	9000	27000	2300	11.2	10.1
06	06	06	12	Wall	Wall	Wall	Wall	6000	6000	6000	12000	30000	2790	13.6	12.3
06	06	06	15	Wall	Wall	Wall	Wall	5820	5820	5820	14550	32000	3210	15.6	14.1
06	06	06	18	Wall	Wall	Wall	Wall	5900	5900	5900	17700	35400	3680	17.9	16.2
06	06	06	21	Wall	Wall	Wall	Wall	5540	5540	5540	19380	36000	3720	18.1	16.3
06	06	06	24	Wall	Wall	Wall	Wall	5140	5140	5140	20570	36000	3700	18.0	16.3
06	06	09	09	Wall	Wall	Wall	Wall	6000	6000	9000	9000	30000	2790	13.6	12.3
06	06	09	12	Wall	Wall	Wall	Wall	5820	5820	8730	11640	32000	3210	15.6	14.1
06	06	09	15	Wall	Wall	Wall	Wall	5900	5900	8850	14750	35400	3680	17.9	16.2
06	06	09	18	Wall	Wall	Wall	Wall	5540	5540	8310	16620	36000	3720	18.1	16.3
06	06	09	21	Wall	Wall	Wall	Wall	5140	5140	7710	18000	36000	3700	18.0	16.3
06	06	12	12	Wall	Wall	Wall	Wall	5900	5900	11800	11800	35400	3680	17.9	16.2
06	06	12	15	Wall	Wall	Wall	Wall	5540	5540	11080	13850	36000	3720	18.1	16.3
06	06	12	18	Wall	Wall	Wall	Wall	5140	5140	10290	15430	36000	3700	18.0	16.3
06	06	15	15	Wall	Wall	Wall	Wall	5140	5140	12860	12860	36000	3700	18.0	16.3
06	09	09	09	Wall	Wall	Wall	Wall	5820	8730	8730	8730	32000	3210	15.6	14.1
06	09	09	12	Wall	Wall	Wall	Wall	5900	8850	8850	11800	35400	3680	17.9	16.2
06	09	09	15	Wall	Wall	Wall	Wall	5540	8310	8310	13850	36000	3720	18.1	16.3
06	09	09	18	Wall	Wall	Wall	Wall	5140	7710	7710	15430	36000	3700	18.0	16.3
06	09	12	12	Wall	Wall	Wall	Wall	5540	8310	11080	11080	36000	3720	18.1	16.3
06	09	12	15	Wall	Wall	Wall	Wall	5140	7710	10290	12860	36000	3700	18.0	16.3
06	12	12	12	Wall	Wall	Wall	Wall	5140	10290	10290	10290	36000	3700	18.0	16.3
09	09	09	09	Wall	Wall	Wall	Wall	8850	8850	8850	8850	35400	3680	17.9	16.2
09	09	09	12	Wall	Wall	Wall	Wall	8310	8310	8310	11080	36000	3720	18.1	16.3
09	09	09	15	Wall	Wall	Wall	Wall	7710	7710	7710	12860	36000	3700	18.0	16.3
09	09	12	12	Wall	Wall	Wall	Wall	7710	7710	10290	10290	36000	3700	18.0	16.3

MXZ-4C36NA2-U1 combination table (Cooling) Duct

Indoor units combination				Indoor type				Cooling capacity (BTU/h)					Power consumption (W)	Current (A)	
Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D	Total		208V	230V
09				Duct				9000				9000	940	4.8	4.3
12				Duct				12000				12000	1070	5.4	4.9
15				Duct				15000				15000	1370	6.9	6.3
18				Duct				17200				17200	1770	9.0	8.1
21				Duct				20600				20600	2110	10.7	9.7
24				Duct				24000				24000	2360	11.9	10.8
09	09			Duct	Duct			9000	9000			18000	1750	8.7	7.8
09	12			Duct	Duct			9000	12000			21000	2040	10.1	9.1
09	15			Duct	Duct			9000	15000			24000	2300	11.4	10.3
09	18			Duct	Duct			8730	17470			26200	2560	12.7	11.5
09	21			Duct	Duct			8400	19600			28000	2880	14.3	12.9
09	24			Duct	Duct			7640	20360			28000	2860	14.2	12.8
12	12			Duct	Duct			12000	12000			24000	2300	11.4	10.3
12	15			Duct	Duct			11640	14560			26200	2560	12.7	11.5
12	18			Duct	Duct			11200	16800			28000	2880	14.3	12.9
12	21			Duct	Duct			10180	17820			28000	2860	14.2	12.8
12	24			Duct	Duct			9330	18670			28000	2840	14.1	12.7
15	15			Duct	Duct			14000	14000			28000	2880	14.3	12.9
15	18			Duct	Duct			12730	15270			28000	2860	14.2	12.8
15	21			Duct	Duct			11670	16330			28000	2840	14.1	12.7
18	18			Duct	Duct			14000	14000			28000	2840	14.1	12.7
09	09	09		Duct	Duct	Duct		9000	9000	9000		27000	2410	11.9	10.8
09	09	12		Duct	Duct	Duct		9000	9000	12000		30000	2920	14.5	13.1
09	09	15		Duct	Duct	Duct		8730	8730	14550		32000	3080	15.3	13.8
09	09	18		Duct	Duct	Duct		8000	8000	16000		32000	3250	16.1	14.6
09	09	21		Duct	Duct	Duct		7380	7380	17230		32000	3210	15.9	14.4
09	09	24		Duct	Duct	Duct		6860	6860	18290		32000	3170	15.7	14.2
09	12	12		Duct	Duct	Duct		8730	11640	11640		32000	3080	15.3	13.8
09	12	15		Duct	Duct	Duct		8000	10670	13330		32000	3250	16.1	14.6
09	12	18		Duct	Duct	Duct		7380	9850	14770		32000	3210	15.9	14.4
09	12	21		Duct	Duct	Duct		6860	9140	16000		32000	3170	15.7	14.2
09	15	15		Duct	Duct	Duct		7380	12310	12310		32000	3210	15.9	14.4
09	15	18		Duct	Duct	Duct		6860	11430	13710		32000	3170	15.7	14.2
12	12	12		Duct	Duct	Duct		10670	10670	10670		32000	3250	16.1	14.6
12	12	15		Duct	Duct	Duct		9850	9850	12310		32000	3210	15.9	14.4
12	12	18		Duct	Duct	Duct		9140	9140	13710		32000	3170	15.7	14.2
12	15	15		Duct	Duct	Duct		9140	11430	11430		32000	3170	15.7	14.2
09	09	09	09	Duct	Duct	Duct	Duct	8600	8600	8600	8600	34400	3700	18.0	16.3
09	09	09	12	Duct	Duct	Duct	Duct	8030	8030	8030	10710	34800	3700	18.0	16.3
09	09	09	15	Duct	Duct	Duct	Duct	7540	7540	7540	12570	35200	3700	18.0	16.3
09	09	12	12	Duct	Duct	Duct	Duct	7540	7540	10060	10060	35200	3700	18.0	16.3

MXZ-4C36NA2-U1 combination table (Heating) Non-duct

Indoor units combination				Indoor type				Heating capacity (BTU/h)					Power consumption (W)	Current (A)	
Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D	Total		208V	230V
06				Wall				7400				7400	860	4.4	3.9
09				Wall				11000				11000	950	4.8	4.4
12				Wall				14400				14400	1210	6.1	5.5
15				Wall				18000				18000	1600	8.1	7.3
18				Wall				21600				21600	2000	10.1	9.2
21				Wall				24600				24600	2320	11.7	10.6
24				Wall				27600				27600	2640	13.4	12.1
06	06			Wall	Wall			7400	7400			14800	1020	5.1	4.6
06	09			Wall	Wall			7360	11040			18400	1300	6.4	5.8
06	12			Wall	Wall			7330	14670			22000	1600	7.9	7.2
06	15			Wall	Wall			7260	18140			25400	1880	9.3	8.4
06	18			Wall	Wall			7000	21000			28000	2250	11.2	10.1
06	21			Wall	Wall			6220	21780			28000	2230	11.1	10.0
06	24			Wall	Wall			5600	22400			28000	2210	11.0	9.9
09	09			Wall	Wall			11000	11000			22000	1600	7.9	7.2
09	12			Wall	Wall			10890	14510			25400	1880	9.3	8.4
09	15			Wall	Wall			10500	17500			28000	2250	11.2	10.1
09	18			Wall	Wall			9330	18670			28000	2230	11.1	10.0
09	21			Wall	Wall			8400	19600			28000	2210	11.0	9.9
09	24			Wall	Wall			7640	20360			28000	2190	10.9	9.8
12	12			Wall	Wall			14000	14000			28000	2250	11.2	10.1
12	15			Wall	Wall			12440	15560			28000	2230	11.1	10.0
12	18			Wall	Wall			11200	16800			28000	2210	11.0	9.9
12	21			Wall	Wall			10180	17820			28000	2190	10.9	9.8
12	24			Wall	Wall			9330	18670			28000	2170	10.8	9.7
15	15			Wall	Wall			14000	14000			28000	2210	11.0	9.9
15	18			Wall	Wall			12730	15270			28000	2190	10.9	9.8
15	21			Wall	Wall			11670	16330			28000	2170	10.8	9.7
18	18			Wall	Wall			14000	14000			28000	2170	10.8	9.7
06	06	06		Wall	Wall	Wall		7400	7400	7400		22200	1540	7.6	6.9
06	06	09		Wall	Wall	Wall		7370	7370	11060		25800	1780	8.8	8.0
06	06	12		Wall	Wall	Wall		7300	7300	14600		29200	2180	10.8	9.8
06	06	15		Wall	Wall	Wall		7290	7290	18220		32800	2340	11.6	10.5
06	06	18		Wall	Wall	Wall		6560	6560	19680		32800	2300	11.4	10.3
06	06	21		Wall	Wall	Wall		5960	5960	20870		32800	2260	11.2	10.1
06	06	24		Wall	Wall	Wall		5470	5470	21870		32800	2240	11.1	10.0
06	09	09		Wall	Wall	Wall		7300	10950	10950		29200	2180	10.8	9.8
06	09	12		Wall	Wall	Wall		7290	10930	14580		32800	2340	11.6	10.5
06	09	15		Wall	Wall	Wall		6560	9840	16400		32800	2300	11.4	10.3
06	09	18		Wall	Wall	Wall		5960	8950	17890		32800	2260	11.2	10.1
06	09	21		Wall	Wall	Wall		5470	8200	19130		32800	2240	11.1	10.0
06	09	24		Wall	Wall	Wall		5050	7570	20180		32800	2200	10.9	9.9
06	12	12		Wall	Wall	Wall		6560	13120	13120		32800	2300	11.4	10.3
06	12	15		Wall	Wall	Wall		5960	11930	14910		32800	2260	11.2	10.1
06	12	18		Wall	Wall	Wall		5470	10930	16400		32800	2240	11.1	10.0
06	12	21		Wall	Wall	Wall		5050	10090	17660		32800	2200	10.9	9.9
06	12	24		Wall	Wall	Wall		4690	9370	18740		32800	2160	10.7	9.7

MXZ-4C36NA2-U1 combination table (Heating) Non-duct

Indoor units combination				Indoor type				Heating capacity (BTU/h)					Power consumption (W)	Current (A)	
Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D	Total		208V	230V
06	15	15		Wall	Wall	Wall		5470	13670	13670		32800	2240	11.1	10.0
06	15	18		Wall	Wall	Wall		5050	12620	15140		32800	2200	10.9	9.9
06	15	21		Wall	Wall	Wall		4690	11710	16400		32800	2160	10.7	9.7
06	18	18		Wall	Wall	Wall		4690	14060	14060		32800	2160	10.7	9.7
09	09	09		Wall	Wall	Wall		10930	10930	10930		32800	2340	11.6	10.5
09	09	12		Wall	Wall	Wall		9840	9840	13120		32800	2300	11.4	10.3
09	09	15		Wall	Wall	Wall		8950	8950	14910		32800	2260	11.2	10.1
09	09	18		Wall	Wall	Wall		8200	8200	16400		32800	2240	11.1	10.0
09	09	21		Wall	Wall	Wall		7570	7570	17660		32800	2200	10.9	9.9
09	09	24		Wall	Wall	Wall		7030	7030	18740		32800	2160	10.7	9.7
09	12	12		Wall	Wall	Wall		8950	11930	11930		32800	2260	11.2	10.1
09	12	15		Wall	Wall	Wall		8200	10930	13670		32800	2240	11.1	10.0
09	12	18		Wall	Wall	Wall		7570	10090	15140		32800	2200	10.9	9.9
09	12	21		Wall	Wall	Wall		7030	9370	16400		32800	2160	10.7	9.7
09	15	15		Wall	Wall	Wall		7570	12620	12620		32800	2200	10.9	9.9
09	15	18		Wall	Wall	Wall		7030	11710	14060		32800	2160	10.7	9.7
12	12	12		Wall	Wall	Wall		10930	10930	10930		32800	2240	11.1	10.0
12	12	15		Wall	Wall	Wall		10090	10090	12620		32800	2200	10.9	9.9
12	12	18		Wall	Wall	Wall		9370	9370	14060		32800	2160	10.7	9.7
12	15	15		Wall	Wall	Wall		9370	11710	11710		32800	2160	10.7	9.7
06	06	06	06	Wall	Wall	Wall	Wall	7400	7400	7400	7400	29600	2240	10.9	9.8
06	06	06	09	Wall	Wall	Wall	Wall	7380	7380	7380	11070	33200	2440	11.9	10.7
06	06	06	12	Wall	Wall	Wall	Wall	7160	7160	7160	14320	35800	2600	12.6	11.4
06	06	06	15	Wall	Wall	Wall	Wall	6510	6510	6510	16270	35800	2860	13.9	12.6
06	06	06	18	Wall	Wall	Wall	Wall	6000	6000	6000	18000	36000	2940	14.3	12.9
06	06	06	21	Wall	Wall	Wall	Wall	5540	5540	5540	19380	36000	2910	14.1	12.8
06	06	06	24	Wall	Wall	Wall	Wall	5140	5140	5140	20570	36000	2880	14.0	12.7
06	06	09	09	Wall	Wall	Wall	Wall	7160	7160	10740	10740	35800	2600	12.6	11.4
06	06	09	12	Wall	Wall	Wall	Wall	6510	6510	9760	13020	35800	2860	13.9	12.6
06	06	09	15	Wall	Wall	Wall	Wall	6000	6000	9000	15000	36000	2940	14.3	12.9
06	06	09	18	Wall	Wall	Wall	Wall	5540	5540	8310	16620	36000	2910	14.1	12.8
06	06	09	21	Wall	Wall	Wall	Wall	5140	5140	7710	18000	36000	2880	14.0	12.7
06	06	12	12	Wall	Wall	Wall	Wall	6000	6000	12000	12000	36000	2940	14.3	12.9
06	06	12	15	Wall	Wall	Wall	Wall	5540	5540	11080	13850	36000	2910	14.1	12.8
06	06	12	18	Wall	Wall	Wall	Wall	5140	5140	10290	15430	36000	2880	14.0	12.7
06	06	15	15	Wall	Wall	Wall	Wall	5140	5140	12860	12860	36000	2880	14.0	12.7
06	09	09	09	Wall	Wall	Wall	Wall	6510	9760	9760	9760	35800	2860	13.9	12.6
06	09	09	12	Wall	Wall	Wall	Wall	6000	9000	9000	12000	36000	2940	14.3	12.9
06	09	09	15	Wall	Wall	Wall	Wall	5540	8310	8310	13850	36000	2910	14.1	12.8
06	09	09	18	Wall	Wall	Wall	Wall	5140	7710	7710	15430	36000	2880	14.0	12.7
06	09	12	12	Wall	Wall	Wall	Wall	5540	8310	11080	11080	36000	2910	14.1	12.8
06	09	12	15	Wall	Wall	Wall	Wall	5140	7710	10290	12860	36000	2880	14.0	12.7
06	12	12	12	Wall	Wall	Wall	Wall	5140	10290	10290	10290	36000	2880	14.0	12.7
09	09	09	09	Wall	Wall	Wall	Wall	9000	9000	9000	9000	36000	2940	14.3	12.9
09	09	09	12	Wall	Wall	Wall	Wall	8310	8310	8310	11080	36000	2910	14.1	12.8
09	09	09	15	Wall	Wall	Wall	Wall	7710	7710	7710	12860	36000	2880	14.0	12.7
09	09	12	12	Wall	Wall	Wall	Wall	7710	7710	10290	10290	36000	2880	14.0	12.7

MXZ-4C36NA2-U1 combination table (Heating) Duct

Indoor units combination				Indoor type				Heating capacity (BTU/h)					Power consumption (W)	Current (A)	
Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D	Total		208V	230V
09				Duct				10900				10900	960	4.9	4.4
12				Duct				13600				13600	1220	6.2	5.6
15				Duct				18000				18000	1560	7.9	7.1
18				Duct				21600				21600	2010	10.2	9.2
21				Duct				23800				23800	2450	12.4	11.2
24				Duct				26000				26000	2710	13.7	12.4
09	09			Duct	Duct			10900	10900			21800	1750	8.7	7.8
09	12			Duct	Duct			10500	14000			24500	1980	9.8	8.9
09	15			Duct	Duct			10200	17000			27200	2150	10.7	9.6
09	18			Duct	Duct			9330	18670			28000	2350	11.7	10.5
09	21			Duct	Duct			8400	19600			28000	2320	11.5	10.4
09	24			Duct	Duct			7640	20360			28000	2290	11.4	10.3
12	12			Duct	Duct			13600	13600			27200	2150	10.7	9.6
12	15			Duct	Duct			12440	15560			28000	2350	11.7	10.5
12	18			Duct	Duct			11200	16800			28000	2320	11.5	10.4
12	21			Duct	Duct			10180	17820			28000	2290	11.4	10.3
12	24			Duct	Duct			9330	18670			28000	2260	11.2	10.1
15	15			Duct	Duct			14000	14000			28000	2320	11.5	10.4
15	18			Duct	Duct			12730	15270			28000	2290	11.4	10.3
15	21			Duct	Duct			11670	16330			28000	2260	11.2	10.1
18	18			Duct	Duct			14000	14000			28000	2260	11.2	10.1
09	09	09		Duct	Duct	Duct		10900	10900	10900		32700	2480	12.3	11.1
09	09	12		Duct	Duct	Duct		9810	9810	13080		32700	2440	12.1	10.9
09	09	15		Duct	Duct	Duct		8920	8920	14860		32700	2400	11.9	10.8
09	09	18		Duct	Duct	Duct		8180	8180	16350		32700	2360	11.7	10.6
09	09	21		Duct	Duct	Duct		7550	7550	17610		32700	2320	11.5	10.4
09	09	24		Duct	Duct	Duct		7010	7010	18690		32700	2280	11.3	10.2
09	12	12		Duct	Duct	Duct		8920	11890	11890		32700	2400	11.9	10.8
09	12	15		Duct	Duct	Duct		8180	10900	13630		32700	2360	11.7	10.6
09	12	18		Duct	Duct	Duct		7550	10060	15090		32700	2320	11.5	10.4
09	12	21		Duct	Duct	Duct		7010	9340	16350		32700	2280	11.3	10.2
09	15	15		Duct	Duct	Duct		7550	12580	12580		32700	2320	11.5	10.4
09	15	18		Duct	Duct	Duct		7010	11680	14010		32700	2280	11.3	10.2
12	12	12		Duct	Duct	Duct		10900	10900	10900		32700	2360	11.7	10.6
12	12	15		Duct	Duct	Duct		10060	10060	12580		32700	2320	11.5	10.4
12	12	18		Duct	Duct	Duct		9340	9340	14010		32700	2280	11.3	10.2
12	15	15		Duct	Duct	Duct		9340	11680	11680		32700	2280	11.3	10.2
09	09	09	09	Duct	Duct	Duct	Duct	8600	8600	8600	8600	34400	2860	13.9	12.6
09	09	09	12	Duct	Duct	Duct	Duct	8030	8030	8030	10710	34800	2920	14.2	12.8
09	09	09	15	Duct	Duct	Duct	Duct	7540	7540	7540	12570	35200	2940	14.3	12.9
09	09	12	12	Duct	Duct	Duct	Duct	7540	7540	10060	10060	35200	2940	14.3	12.9

MXZ-5C42NA2-U1 combination table (Cooling) Non-duct

Indoor units combination					Indoor type					Cooling capacity (BTU/h)						Power consumption (W)	Current (A)	
A	B	C	D	E	A	B	C	D	E	Unit A	Unit B	Unit C	Unit D	Unit E	Total		208V	230V
06					Wall					6000					6000	910	4.6	4.2
09					Wall					9000					9000	930	4.7	4.3
12					Wall					12000					12000	1020	5.2	4.7
15					Wall					14000					14000	1200	6.1	5.5
18					Wall					17200					17200	1480	7.5	6.8
21					Wall					19800					19800	1880	9.5	8.6
24					Wall					22500					22500	2290	11.6	10.5
06	06				Wall	Wall				6000	6000				12000	950	4.7	4.3
06	09				Wall	Wall				6000	9000				15000	1030	5.1	4.6
06	12				Wall	Wall				6000	12000				18000	1300	6.4	5.8
06	15				Wall	Wall				5710	14290				20000	1700	8.4	7.6
06	18				Wall	Wall				5750	17250				23000	2150	10.7	9.6
06	21				Wall	Wall				5730	20070				25800	2450	12.4	11.0
06	24				Wall	Wall				5600	22400				28000	2600	12.9	11.7
09	09				Wall	Wall				9000	9000				18000	1300	6.4	5.8
09	12				Wall	Wall				8570	11430				20000	1700	8.4	7.6
09	15				Wall	Wall				8630	14380				23000	2150	10.7	9.6
09	18				Wall	Wall				8600	17200				25800	2450	12.4	11.0
09	21				Wall	Wall				8400	19600				28000	2600	12.9	11.7
09	24				Wall	Wall				7640	20360				28000	2600	12.9	11.7
12	12				Wall	Wall				11500	11500				23000	2150	10.7	9.6
12	15				Wall	Wall				11470	14330				25800	2450	12.4	11.0
12	18				Wall	Wall				11200	16800				28000	2600	12.9	11.7
12	21				Wall	Wall				10180	17820				28000	2600	12.9	11.7
12	24				Wall	Wall				9330	18670				28000	2600	12.9	11.7
15	15				Wall	Wall				14000	14000				28000	2600	12.9	11.7
15	18				Wall	Wall				12730	15270				28000	2600	12.9	11.7
15	21				Wall	Wall				11670	16330				28000	2600	12.9	11.7
15	24				Wall	Wall				11150	17850				29000	2650	13.1	11.9
18	18				Wall	Wall				14000	14000				28000	2600	12.9	11.7
18	21				Wall	Wall				13380	15620				29000	2650	13.1	11.9
18	24				Wall	Wall				12430	16570				29000	2650	13.1	11.9
21	21				Wall	Wall				14500	14500				29000	2650	13.1	11.9
21	24				Wall	Wall				14000	16000				30000	2700	13.4	12.1
24	24				Wall	Wall				15000	15000				30000	2650	13.1	11.9
06	06	06			Wall	Wall	Wall			6000	6000	6000			18000	1200	6.0	5.4
06	06	09			Wall	Wall	Wall			6000	6000	9000			21000	1360	6.7	6.1
06	06	12			Wall	Wall	Wall			6000	6000	12000			24000	1800	8.9	8.1
06	06	15			Wall	Wall	Wall			5780	5780	14440			26000	2250	11.2	10.1
06	06	18			Wall	Wall	Wall			5800	5800	17400			29000	2400	11.9	10.8
06	06	21			Wall	Wall	Wall			5820	5820	20360			32000	2850	14.1	12.8
06	06	24			Wall	Wall	Wall			5430	5430	21730			32600	2900	14.4	13.0
06	09	09			Wall	Wall	Wall			6000	9000	9000			24000	1800	8.9	8.1
06	09	12			Wall	Wall	Wall			5780	8670	11560			26000	2250	11.2	10.1
06	09	15			Wall	Wall	Wall			5800	8700	14500			29000	2400	11.9	10.8
06	09	18			Wall	Wall	Wall			5820	8730	17450			32000	2850	14.1	12.8
06	09	21			Wall	Wall	Wall			5430	8150	19020			32600	2900	14.4	13.0

MXZ-5C42NA2-U1 combination table (Cooling) Non-duct

Indoor units combination					Indoor type					Cooling capacity (BTU/h)						Power consumption (W)	Current (A)	
A	B	C	D	E	A	B	C	D	E	Unit A	Unit B	Unit C	Unit D	Unit E	Total		208V	230V
06	09	24			Wall	Wall	Wall			5020	7520	20060			32600	2860	14.2	12.8
06	12	12			Wall	Wall	Wall			5800	11600	11600			29000	2400	11.9	10.8
06	12	15			Wall	Wall	Wall			5820	11640	14550			32000	2850	14.1	12.8
06	12	18			Wall	Wall	Wall			5430	10870	16300			32600	2900	14.4	13.0
06	12	21			Wall	Wall	Wall			5020	10030	17550			32600	2860	14.2	12.8
06	12	24			Wall	Wall	Wall			4660	9310	18630			32600	2820	14.0	12.6
06	15	15			Wall	Wall	Wall			5430	13580	13580			32600	2900	14.4	13.0
06	15	18			Wall	Wall	Wall			5020	12540	15050			32600	2860	14.2	12.8
06	15	21			Wall	Wall	Wall			4660	11640	16300			32600	2820	14.0	12.6
06	15	24			Wall	Wall	Wall			4350	10870	17390			32600	2780	13.8	12.5
06	18	18			Wall	Wall	Wall			4660	13970	13970			32600	2820	14.0	12.6
06	18	21			Wall	Wall	Wall			4350	13040	15210			32600	2780	13.8	12.5
06	18	24			Wall	Wall	Wall			4080	12230	16300			32600	2740	13.6	12.3
06	21	21			Wall	Wall	Wall			4080	14260	14260			32600	2740	13.6	12.3
06	21	24			Wall	Wall	Wall			3840	13420	15340			32600	2720	13.5	12.2
09	09	09			Wall	Wall	Wall			8670	8670	8670			26000	2250	11.2	10.1
09	09	12			Wall	Wall	Wall			8700	8700	11600			29000	2400	11.9	10.8
09	09	15			Wall	Wall	Wall			8730	8730	14550			32000	2850	14.1	12.8
09	09	18			Wall	Wall	Wall			8150	8150	16300			32600	2900	14.4	13.0
09	09	21			Wall	Wall	Wall			7520	7520	17550			32600	2860	14.2	12.8
09	09	24			Wall	Wall	Wall			6990	6990	18630			32600	2820	14.0	12.6
09	12	12			Wall	Wall	Wall			8730	11640	11640			32000	2850	14.1	12.8
09	12	15			Wall	Wall	Wall			8150	10870	13580			32600	2900	14.4	13.0
09	12	18			Wall	Wall	Wall			7520	10030	15050			32600	2860	14.2	12.8
09	12	21			Wall	Wall	Wall			6990	9310	16300			32600	2820	14.0	12.6
09	12	24			Wall	Wall	Wall			6520	8690	17390			32600	2780	13.8	12.5
09	15	15			Wall	Wall	Wall			7520	12540	12540			32600	2860	14.2	12.8
09	15	18			Wall	Wall	Wall			6990	11640	13970			32600	2820	14.0	12.6
09	15	21			Wall	Wall	Wall			6520	10870	15210			32600	2780	13.8	12.5
09	15	24			Wall	Wall	Wall			6110	10190	16300			32600	2740	13.6	12.3
09	18	18			Wall	Wall	Wall			6520	13040	13040			32600	2780	13.8	12.5
09	18	21			Wall	Wall	Wall			6110	12230	14260			32600	2740	13.6	12.3
09	18	24			Wall	Wall	Wall			5750	11510	15340			32600	2720	13.5	12.2
09	21	21			Wall	Wall	Wall			5750	13420	13420			32600	2720	13.5	12.2
12	12	12			Wall	Wall	Wall			10870	10870	10870			32600	2900	14.4	13.0
12	12	15			Wall	Wall	Wall			10030	10030	12540			32600	2860	14.2	12.8
12	12	18			Wall	Wall	Wall			9310	9310	13970			32600	2820	14.0	12.6
12	12	21			Wall	Wall	Wall			8690	8690	15210			32600	2780	13.8	12.5
12	12	24			Wall	Wall	Wall			8150	8150	16300			32600	2740	13.6	12.3
12	15	15			Wall	Wall	Wall			9310	11640	11640			32600	2820	14.0	12.6
12	15	18			Wall	Wall	Wall			8690	10870	13040			32600	2780	13.8	12.5
12	15	21			Wall	Wall	Wall			8150	10190	14260			32600	2740	13.6	12.3
12	15	24			Wall	Wall	Wall			7670	9590	15340			32600	2720	13.5	12.2
12	18	18			Wall	Wall	Wall			8150	12230	12230			32600	2740	13.6	12.3
12	18	21			Wall	Wall	Wall			7670	11510	13420			32600	2720	13.5	12.2
15	15	15			Wall	Wall	Wall			10870	10870	10870			32600	2780	13.8	12.5
15	15	18			Wall	Wall	Wall			10190	10190	12230			32600	2740	13.6	12.3
15	15	21			Wall	Wall	Wall			9590	9590	13420			32600	2720	13.5	12.2
15	18	18			Wall	Wall	Wall			9590	11510	11510			32600	2720	13.5	12.2

MXZ-5C42NA2-U1 combination table (Cooling) Non-duct

Indoor units combination					Indoor type					Cooling capacity (BTU/h)						Power consumption (W)	Current (A)	
A	B	C	D	E	A	B	C	D	E	Unit A	Unit B	Unit C	Unit D	Unit E	Total		208V	230V
06	06	06	06		Wall	Wall	Wall	Wall		6000	6000	6000	6000		24000	1720	8.4	7.6
06	06	06	09		Wall	Wall	Wall	Wall		6000	6000	6000	9000		27000	2160	10.5	9.5
06	06	06	12		Wall	Wall	Wall	Wall		6000	6000	6000	12000		30000	2520	12.2	11.1
06	06	06	15		Wall	Wall	Wall	Wall		5820	5820	5820	14550		32000	3100	15.1	13.6
06	06	06	18		Wall	Wall	Wall	Wall		5900	5900	5900	17700		35400	3650	17.7	16.0
06	06	06	21		Wall	Wall	Wall	Wall		5850	5850	5850	20460		38000	4100	19.9	18.0
06	06	06	24		Wall	Wall	Wall	Wall		5430	5430	5430	21710		38000	4000	19.4	17.6
06	06	09	09		Wall	Wall	Wall	Wall		6000	6000	9000	9000		30000	2520	12.2	11.1
06	06	09	12		Wall	Wall	Wall	Wall		5820	5820	8730	11640		32000	3100	15.1	13.6
06	06	09	15		Wall	Wall	Wall	Wall		5900	5900	8850	14750		35400	3650	17.7	16.0
06	06	09	18		Wall	Wall	Wall	Wall		5850	5850	8770	17540		38000	4100	19.9	18.0
06	06	09	21		Wall	Wall	Wall	Wall		5430	5430	8140	19000		38000	4000	19.4	17.6
06	06	09	24		Wall	Wall	Wall	Wall		5070	5070	7600	20270		38000	3900	18.9	17.1
06	06	12	12		Wall	Wall	Wall	Wall		5900	5900	11800	11800		35400	3650	17.7	16.0
06	06	12	15		Wall	Wall	Wall	Wall		5850	5850	11690	14620		38000	4100	19.9	18.0
06	06	12	18		Wall	Wall	Wall	Wall		5430	5430	10860	16290		38000	4000	19.4	17.6
06	06	12	21		Wall	Wall	Wall	Wall		5070	5070	10130	17730		38000	3900	18.9	17.1
06	06	12	24		Wall	Wall	Wall	Wall		4750	4750	9500	19000		38000	3800	18.5	16.7
06	06	15	15		Wall	Wall	Wall	Wall		5430	5430	13570	13570		38000	4000	19.4	17.6
06	06	15	18		Wall	Wall	Wall	Wall		5070	5070	12670	15200		38000	3900	18.9	17.1
06	06	15	21		Wall	Wall	Wall	Wall		4750	4750	11880	16630		38000	3800	18.5	16.7
06	06	15	24		Wall	Wall	Wall	Wall		4470	4470	11180	17880		38000	3700	18.0	16.3
06	06	18	18		Wall	Wall	Wall	Wall		4750	4750	14250	14250		38000	3800	18.5	16.7
06	06	18	21		Wall	Wall	Wall	Wall		4470	4470	13410	15650		38000	3700	18.0	16.3
06	09	09	09		Wall	Wall	Wall	Wall		5820	8730	8730	8730		32000	3100	15.1	13.6
06	09	09	12		Wall	Wall	Wall	Wall		5900	8850	8850	11800		35400	3650	17.7	16.0
06	09	09	15		Wall	Wall	Wall	Wall		5850	8770	8770	14620		38000	4100	19.9	18.0
06	09	09	18		Wall	Wall	Wall	Wall		5430	8140	8140	16290		38000	4000	19.4	17.6
06	09	09	21		Wall	Wall	Wall	Wall		5070	7600	7600	17730		38000	3900	18.9	17.1
06	09	09	24		Wall	Wall	Wall	Wall		4750	7130	7130	19000		38000	3800	18.5	16.7
06	09	12	12		Wall	Wall	Wall	Wall		5850	8770	11690	11690		38000	4100	19.9	18.0
06	09	12	15		Wall	Wall	Wall	Wall		5430	8140	10860	13570		38000	4000	19.4	17.6
06	09	12	18		Wall	Wall	Wall	Wall		5070	7600	10130	15200		38000	3900	18.9	17.1
06	09	12	21		Wall	Wall	Wall	Wall		4750	7130	9500	16630		38000	3800	18.5	16.7
06	09	12	24		Wall	Wall	Wall	Wall		4470	6710	8940	17880		38000	3700	18.0	16.3
06	09	15	15		Wall	Wall	Wall	Wall		5070	7600	12670	12670		38000	3900	18.9	17.1
06	09	15	18		Wall	Wall	Wall	Wall		4750	7130	11880	14250		38000	3800	18.5	16.7
06	09	15	21		Wall	Wall	Wall	Wall		4470	6710	11180	15650		38000	3700	18.0	16.3
06	09	18	18		Wall	Wall	Wall	Wall		4470	6710	13410	13410		38000	3700	18.0	16.3
06	12	12	12		Wall	Wall	Wall	Wall		5430	10860	10860	10860		38000	4000	19.4	17.6
06	12	12	15		Wall	Wall	Wall	Wall		5070	10130	10130	12670		38000	3900	18.9	17.1
06	12	12	18		Wall	Wall	Wall	Wall		4750	9500	9500	14250		38000	3800	18.5	16.7
06	12	12	21		Wall	Wall	Wall	Wall		4470	8940	8940	15650		38000	3700	18.0	16.3
06	12	15	15		Wall	Wall	Wall	Wall		4750	9500	11880	11880		38000	3800	18.5	16.7
06	12	15	18		Wall	Wall	Wall	Wall		4470	8940	11180	13410		38000	3700	18.0	16.3
06	15	15	15		Wall	Wall	Wall	Wall		4470	11180	11180	11180		38000	3700	18.0	16.3
09	09	09	09		Wall	Wall	Wall	Wall		8850	8850	8850	8850		35400	3650	17.7	16.0
09	09	09	12		Wall	Wall	Wall	Wall		8770	8770	8770	11690		38000	4100	19.9	18.0
09	09	09	15		Wall	Wall	Wall	Wall		8140	8140	8140	13570		38000	4000	19.4	17.6

MXZ-5C42NA2-U1 combination table (Cooling) Non-duct

Indoor units combination					Indoor type					Cooling capacity (BTU/h)						Power consumption (W)	Current (A)	
A	B	C	D	E	A	B	C	D	E	Unit A	Unit B	Unit C	Unit D	Unit E	Total		208V	230V
09	09	09	18		Wall	Wall	Wall	Wall		7600	7600	7600	15200		38000	3900	18.9	17.1
09	09	09	21		Wall	Wall	Wall	Wall		7130	7130	7130	16630		38000	3800	18.5	16.7
09	09	09	24		Wall	Wall	Wall	Wall		6710	6710	6710	17880		38000	3700	18.0	16.3
09	09	12	12		Wall	Wall	Wall	Wall		8140	8140	10860	10860		38000	4000	19.4	17.6
09	09	12	15		Wall	Wall	Wall	Wall		7600	7600	10130	12670		38000	3900	18.9	17.1
09	09	12	18		Wall	Wall	Wall	Wall		7130	7130	9500	14250		38000	3800	18.5	16.7
09	09	12	21		Wall	Wall	Wall	Wall		6710	6710	8940	15650		38000	3700	18.0	16.3
09	09	15	15		Wall	Wall	Wall	Wall		7130	7130	11880	11880		38000	3800	18.5	16.7
09	09	15	18		Wall	Wall	Wall	Wall		6710	6710	11180	13410		38000	3700	18.0	16.3
09	12	12	12		Wall	Wall	Wall	Wall		7600	10130	10130	10130		38000	3900	18.9	17.1
09	12	12	15		Wall	Wall	Wall	Wall		7130	9500	9500	11880		38000	3800	18.5	16.7
09	12	12	18		Wall	Wall	Wall	Wall		6710	8940	8940	13410		38000	3700	18.0	16.3
09	12	15	15		Wall	Wall	Wall	Wall		6710	8940	11180	11180		38000	3700	18.0	16.3
12	12	12	12		Wall	Wall	Wall	Wall		9500	9500	9500	9500		38000	3800	18.5	16.7
12	12	12	15		Wall	Wall	Wall	Wall		8940	8940	8940	11180		38000	3700	18.0	16.3
06	06	06	06	06	Wall	Wall	Wall	Wall	Wall	6000	6000	6000	6000	6000	30000	2470	12.0	10.9
06	06	06	06	09	Wall	Wall	Wall	Wall	Wall	6000	6000	6000	6000	9000	33000	2950	14.3	13.0
06	06	06	06	12	Wall	Wall	Wall	Wall	Wall	6000	6000	6000	6000	12000	36000	3500	17.0	15.4
06	06	06	06	15	Wall	Wall	Wall	Wall	Wall	5850	5850	5850	5850	14620	38000	3900	18.9	17.1
06	06	06	06	18	Wall	Wall	Wall	Wall	Wall	5790	5790	5790	5790	17360	40500	4300	20.9	18.9
06	06	06	06	21	Wall	Wall	Wall	Wall	Wall	5550	5550	5550	5550	19410	41600	4360	21.2	19.2
06	06	06	06	24	Wall	Wall	Wall	Wall	Wall	5200	5200	5200	5200	20800	41600	4300	20.9	18.9
06	06	06	09	09	Wall	Wall	Wall	Wall	Wall	6000	6000	6000	9000	9000	36000	3500	17.0	15.4
06	06	06	09	12	Wall	Wall	Wall	Wall	Wall	5850	5850	5850	8770	11690	38000	3900	18.9	17.1
06	06	06	09	15	Wall	Wall	Wall	Wall	Wall	5790	5790	5790	8680	14460	40500	4300	20.9	18.9
06	06	06	09	18	Wall	Wall	Wall	Wall	Wall	5550	5550	5550	8320	16640	41600	4360	21.2	19.2
06	06	06	09	21	Wall	Wall	Wall	Wall	Wall	5200	5200	5200	7800	18200	41600	4300	20.9	18.9
06	06	06	09	24	Wall	Wall	Wall	Wall	Wall	4890	4890	4890	7340	19580	41600	4250	20.6	18.7
06	06	06	12	12	Wall	Wall	Wall	Wall	Wall	5790	5790	5790	11570	11570	40500	4300	20.9	18.9
06	06	06	12	15	Wall	Wall	Wall	Wall	Wall	5550	5550	5550	11090	13870	41600	4360	21.2	19.2
06	06	06	12	18	Wall	Wall	Wall	Wall	Wall	5200	5200	5200	10400	15600	41600	4300	20.9	18.9
06	06	06	12	21	Wall	Wall	Wall	Wall	Wall	4890	4890	4890	9790	17130	41600	4250	20.6	18.7
06	06	06	15	15	Wall	Wall	Wall	Wall	Wall	5200	5200	5200	13000	13000	41600	4300	20.9	18.9
06	06	06	15	18	Wall	Wall	Wall	Wall	Wall	4890	4890	4890	12240	14680	41600	4250	20.6	18.7
06	06	09	09	09	Wall	Wall	Wall	Wall	Wall	5850	5850	8770	8770	8770	38000	3900	18.9	17.1
06	06	09	09	12	Wall	Wall	Wall	Wall	Wall	5790	5790	8680	8680	11570	40500	4300	20.9	18.9
06	06	09	09	15	Wall	Wall	Wall	Wall	Wall	5550	5550	8320	8320	13870	41600	4360	21.2	19.2
06	06	09	09	18	Wall	Wall	Wall	Wall	Wall	5200	5200	7800	7800	15600	41600	4300	20.9	18.9
06	06	09	09	21	Wall	Wall	Wall	Wall	Wall	4890	4890	7340	7340	17130	41600	4250	20.6	18.7
06	06	09	12	12	Wall	Wall	Wall	Wall	Wall	5550	5550	8320	11090	11090	41600	4360	21.2	19.2
06	06	09	12	15	Wall	Wall	Wall	Wall	Wall	5200	5200	7800	10400	13000	41600	4300	20.9	18.9
06	06	09	12	18	Wall	Wall	Wall	Wall	Wall	4890	4890	7340	9790	14680	41600	4250	20.6	18.7
06	06	09	15	15	Wall	Wall	Wall	Wall	Wall	4890	4890	7340	12240	12240	41600	4250	20.6	18.7
06	06	12	12	12	Wall	Wall	Wall	Wall	Wall	5200	5200	10400	10400	10400	41600	4300	20.9	18.9
06	06	12	12	15	Wall	Wall	Wall	Wall	Wall	4890	4890	9790	9790	12240	41600	4250	20.6	18.7
06	09	09	09	09	Wall	Wall	Wall	Wall	Wall	5790	8680	8680	8680	8680	40500	4300	20.9	18.9
06	09	09	09	12	Wall	Wall	Wall	Wall	Wall	5550	8320	8320	8320	11090	41600	4360	21.2	19.2
06	09	09	09	15	Wall	Wall	Wall	Wall	Wall	5200	7800	7800	7800	13000	41600	4300	20.9	18.9
06	09	09	09	18	Wall	Wall	Wall	Wall	Wall	4890	7340	7340	7340	14680	41600	4250	20.6	18.7

MXZ-5C42NA2-U1 combination table (Cooling) Non-duct

Indoor units combination					Indoor type					Cooling capacity (BTU/h)						Power consumption (W)	Current (A)	
A	B	C	D	E	A	B	C	D	E	Unit A	Unit B	Unit C	Unit D	Unit E	Total		208V	230V
06	09	09	12	12	Wall	Wall	Wall	Wall	Wall	5200	7800	7800	10400	10400	41600	4300	20.9	18.9
06	09	09	12	15	Wall	Wall	Wall	Wall	Wall	4890	7340	7340	9790	12240	41600	4250	20.6	18.7
06	09	12	12	12	Wall	Wall	Wall	Wall	Wall	4890	7340	9790	9790	9790	41600	4250	20.6	18.7
09	09	09	09	09	Wall	Wall	Wall	Wall	Wall	8320	8320	8320	8320	8320	41600	4360	21.2	19.2
09	09	09	09	12	Wall	Wall	Wall	Wall	Wall	7800	7800	7800	7800	10400	41600	4300	20.9	18.9
09	09	09	09	15	Wall	Wall	Wall	Wall	Wall	7340	7340	7340	7340	12240	41600	4250	20.6	18.7
09	09	09	12	12	Wall	Wall	Wall	Wall	Wall	7340	7340	7340	9790	9790	41600	4250	20.6	18.7

MXZ-5C42NA2-U1 combination table (Cooling) Duct

Indoor units combination					Indoor type					Cooling capacity (BTU/h)						Power consumption (W)	Current (A)	
A	B	C	D	E	A	B	C	D	E	Unit A	Unit B	Unit C	Unit D	Unit E	Total		208V	230V
09					Duct					9000					9000	980	5.0	4.5
12					Duct					12000					12000	1150	5.8	5.3
15					Duct					15000					15000	1450	7.3	6.6
18					Duct					17200					17200	1850	9.4	8.5
21					Duct					20600					20600	2150	10.9	9.8
24					Duct					24000					24000	2400	12.2	11.0
09	09				Duct	Duct				9000	9000				18000	1820	9.0	8.2
09	12				Duct	Duct				9000	12000				21000	2000	9.9	9.0
09	15				Duct	Duct				9000	15000				24000	2300	11.4	10.3
09	18				Duct	Duct				8730	17470				26200	2550	12.6	11.4
09	21				Duct	Duct				8400	19600				28000	2850	14.1	12.8
09	24				Duct	Duct				7640	20360				28000	2850	14.1	12.8
12	12				Duct	Duct				12000	12000				24000	2300	11.4	10.3
12	15				Duct	Duct				11640	14560				26200	2550	12.6	11.4
12	18				Duct	Duct				11200	16800				28000	2850	14.1	12.8
12	21				Duct	Duct				10180	17820				28000	2850	14.1	12.8
12	24				Duct	Duct				9330	18670				28000	2850	14.1	12.8
15	15				Duct	Duct				14000	14000				28000	2850	14.1	12.8
15	18				Duct	Duct				12730	15270				28000	2850	14.1	12.8
15	21				Duct	Duct				11670	16330				28000	2850	14.1	12.8
15	24				Duct	Duct				11150	17850				29000	2800	13.9	12.6
18	18				Duct	Duct				14000	14000				28000	2850	14.1	12.8
18	21				Duct	Duct				13380	15620				29000	2800	13.9	12.6
18	24				Duct	Duct				12430	16570				29000	2840	14.1	12.7
21	21				Duct	Duct				14500	14500				29000	2840	14.1	12.7
21	24				Duct	Duct				14000	16000				30000	2900	14.4	13.0
24	24				Duct	Duct				15000	15000				30000	2850	14.1	12.8
09	09	09			Duct	Duct	Duct			9000	9000	9000			27000	2360	11.7	10.6
09	09	12			Duct	Duct	Duct			9000	9000	12000			30000	2600	12.9	11.7
09	09	15			Duct	Duct	Duct			8730	8730	14550			32000	2800	13.9	12.6
09	09	18			Duct	Duct	Duct			8000	8000	16000			32000	2780	13.8	12.5
09	09	21			Duct	Duct	Duct			7380	7380	17230			32000	2760	13.7	12.4
09	09	24			Duct	Duct	Duct			6860	6860	18290			32000	2740	13.6	12.3
09	12	12			Duct	Duct	Duct			8730	11640	11640			32000	2800	13.9	12.6
09	12	15			Duct	Duct	Duct			8000	10670	13330			32000	2780	13.8	12.5
09	12	18			Duct	Duct	Duct			7380	9850	14770			32000	2760	13.7	12.4
09	12	21			Duct	Duct	Duct			6860	9140	16000			32000	2740	13.6	12.3
09	12	24			Duct	Duct	Duct			6400	8530	17070			32000	2720	13.5	12.2
09	15	15			Duct	Duct	Duct			7380	12310	12310			32000	2760	13.7	12.4
09	15	18			Duct	Duct	Duct			6860	11430	13710			32000	2740	13.6	12.3
09	15	21			Duct	Duct	Duct			6400	10670	14930			32000	2720	13.5	12.2
09	15	24			Duct	Duct	Duct			6000	10000	16000			32000	2700	13.4	12.1
09	18	18			Duct	Duct	Duct			6400	12800	12800			32000	2720	13.5	12.2
09	18	21			Duct	Duct	Duct			6000	12000	14000			32000	2700	13.4	12.1
09	18	24			Duct	Duct	Duct			5650	11290	15060			32000	2680	13.3	12.0
09	21	21			Duct	Duct	Duct			5650	13180	13180			32000	2680	13.3	12.0
12	12	12			Duct	Duct	Duct			10670	10670	10670			32000	2780	13.8	12.5

MXZ-5C42NA2-U1 combination table (Cooling) Duct

Indoor units combination					Indoor type					Cooling capacity (BTU/h)						Power consumption (W)	Current (A)	
A	B	C	D	E	A	B	C	D	E	Unit A	Unit B	Unit C	Unit D	Unit E	Total		208V	230V
12	12	15			Duct	Duct	Duct			9850	9850	12310			32000	2760	13.7	12.4
12	12	18			Duct	Duct	Duct			9140	9140	13710			32000	2740	13.6	12.3
12	12	21			Duct	Duct	Duct			8530	8530	14930			32000	2720	13.5	12.2
12	12	24			Duct	Duct	Duct			8000	8000	16000			32000	2700	13.4	12.1
12	15	15			Duct	Duct	Duct			9140	11430	11430			32000	2740	13.6	12.3
12	15	18			Duct	Duct	Duct			8530	10670	12800			32000	2720	13.5	12.2
12	15	21			Duct	Duct	Duct			8000	10000	14000			32000	2700	13.4	12.1
12	15	24			Duct	Duct	Duct			7530	9410	15060			32000	2680	13.3	12.0
12	18	18			Duct	Duct	Duct			8000	12000	12000			32000	2700	13.4	12.1
12	18	21			Duct	Duct	Duct			7530	11290	13180			32000	2680	13.3	12.0
15	15	15			Duct	Duct	Duct			10670	10670	10670			32000	2720	13.5	12.2
15	15	18			Duct	Duct	Duct			10000	10000	12000			32000	2700	13.4	12.1
15	15	21			Duct	Duct	Duct			9410	9410	13180			32000	2680	13.3	12.0
15	18	18			Duct	Duct	Duct			9410	11290	11290			32000	2680	13.3	12.0
09	09	09	09		Duct	Duct	Duct	Duct		8600	8600	8600	8600		34400	3160	15.4	13.9
09	09	09	12		Duct	Duct	Duct	Duct		8030	8030	8030	10710		34800	3250	15.8	14.3
09	09	09	15		Duct	Duct	Duct	Duct		7670	7670	7670	12790		35800	3300	16.0	14.5
09	09	09	18		Duct	Duct	Duct	Duct		7160	7160	7160	14320		35800	3300	16.0	14.5
09	09	09	21		Duct	Duct	Duct	Duct		6980	6980	6980	16280		37200	3300	16.0	14.5
09	09	09	24		Duct	Duct	Duct	Duct		6560	6560	6560	17510		37200	3300	16.0	14.5
09	09	12	12		Duct	Duct	Duct	Duct		7670	7670	10230	10230		35800	3300	16.0	14.5
09	09	12	15		Duct	Duct	Duct	Duct		7160	7160	9550	11930		35800	3300	16.0	14.5
09	09	12	18		Duct	Duct	Duct	Duct		6980	6980	9300	13950		37200	3300	16.0	14.5
09	09	12	21		Duct	Duct	Duct	Duct		6560	6560	8750	15320		37200	3300	16.0	14.5
09	09	15	15		Duct	Duct	Duct	Duct		6980	6980	11630	11630		37200	3300	16.0	14.5
09	09	15	18		Duct	Duct	Duct	Duct		6560	6560	10940	13130		37200	3300	16.0	14.5
09	12	12	12		Duct	Duct	Duct	Duct		7160	9550	9550	9550		35800	3300	16.0	14.5
09	12	12	15		Duct	Duct	Duct	Duct		6980	9300	9300	11630		37200	3300	16.0	14.5
09	12	12	18		Duct	Duct	Duct	Duct		6560	8750	8750	13130		37200	3300	16.0	14.5
09	12	15	15		Duct	Duct	Duct	Duct		6560	8750	10940	10940		37200	3300	16.0	14.5
12	12	12	12		Duct	Duct	Duct	Duct		9300	9300	9300	9300		37200	3300	16.0	14.5
12	12	12	15		Duct	Duct	Duct	Duct		8750	8750	8750	10940		37200	3300	16.0	14.5
09	09	09	09	09	Duct	Duct	Duct	Duct	Duct	7500	7500	7500	7500	7500	37500	3810	18.5	16.7
09	09	09	09	12	Duct	Duct	Duct	Duct	Duct	7310	7310	7310	7310	9750	39000	3960	19.2	17.4
09	09	09	09	15	Duct	Duct	Duct	Duct	Duct	7060	7060	7060	7060	11760	40000	4020	19.5	17.7
09	09	09	12	12	Duct	Duct	Duct	Duct	Duct	7060	7060	7060	9410	9410	40000	4020	19.5	17.7

MXZ-5C42NA2-U1 combination table (Heating) Non-duct

Indoor units combination					Indoor type					Heating capacity (BTU/h)						Power consumption (W)	Current (A)	
A	B	C	D	E	A	B	C	D	E	Unit A	Unit B	Unit C	Unit D	Unit E	Total		208V	230V
06					Wall					7400					7400	860	4.4	3.9
09					Wall					11000					11000	950	4.8	4.4
12					Wall					14400					14400	1210	6.1	5.5
15					Wall					18000					18000	1600	8.1	7.3
18					Wall					21600					21600	2000	10.1	9.2
21					Wall					24600					24600	2360	11.9	10.8
24					Wall					27600					27600	2680	13.6	12.3
06	06				Wall	Wall				7400	7400				14800	1030	5.1	4.6
06	09				Wall	Wall				7360	11040				18400	1310	6.5	5.9
06	12				Wall	Wall				7330	14670				22000	1620	8.0	7.3
06	15				Wall	Wall				7260	18140				25400	1900	9.4	8.5
06	18				Wall	Wall				7000	21000				28000	2260	11.2	10.1
06	21				Wall	Wall				6220	21780				28000	2260	11.2	10.1
06	24				Wall	Wall				5600	22400				28000	2260	11.2	10.1
09	09				Wall	Wall				11000	11000				22000	1620	8.0	7.3
09	12				Wall	Wall				10890	14510				25400	1900	9.4	8.5
09	15				Wall	Wall				10500	17500				28000	2260	11.2	10.1
09	18				Wall	Wall				9330	18670				28000	2260	11.2	10.1
09	21				Wall	Wall				8400	19600				28000	2260	11.2	10.1
09	24				Wall	Wall				7640	20360				28000	2260	11.2	10.1
12	12				Wall	Wall				14000	14000				28000	2260	11.2	10.1
12	15				Wall	Wall				12440	15560				28000	2260	11.2	10.1
12	18				Wall	Wall				11200	16800				28000	2260	11.2	10.1
12	21				Wall	Wall				10180	17820				28000	2260	11.2	10.1
12	24				Wall	Wall				9330	18670				28000	2260	11.2	10.1
15	15				Wall	Wall				14000	14000				28000	2260	11.2	10.1
15	18				Wall	Wall				12730	15270				28000	2260	11.2	10.1
15	21				Wall	Wall				11670	16330				28000	2260	11.2	10.1
15	24				Wall	Wall				11150	17850				29000	2300	11.4	10.3
18	18				Wall	Wall				14000	14000				28000	2260	11.2	10.1
18	21				Wall	Wall				13380	15620				29000	2300	11.4	10.3
18	24				Wall	Wall				12430	16570				29000	2300	11.4	10.3
21	21				Wall	Wall				14500	14500				29000	2300	11.4	10.3
21	24				Wall	Wall				14000	16000				30000	2320	11.5	10.4
24	24				Wall	Wall				15000	15000				30000	2280	11.3	10.2
06	06	06			Wall	Wall	Wall			7400	7400	7400			22200	1450	7.2	6.5
06	06	09			Wall	Wall	Wall			7370	7370	11060			25800	1730	8.6	7.8
06	06	12			Wall	Wall	Wall			7300	7300	14600			29200	2020	10.0	9.1
06	06	15			Wall	Wall	Wall			7290	7290	18220			32800	2470	12.2	11.1
06	06	18			Wall	Wall	Wall			6560	6560	19680			32800	2450	12.1	11.0
06	06	21			Wall	Wall	Wall			5960	5960	20870			32800	2430	11.9	10.8
06	06	24			Wall	Wall	Wall			5470	5470	21870			32800	2410	11.9	10.7
06	09	09			Wall	Wall	Wall			7300	10950	10950			29200	2020	10.0	9.1
06	09	12			Wall	Wall	Wall			7290	10930	14580			32800	2470	12.2	11.1
06	09	15			Wall	Wall	Wall			6560	9840	16400			32800	2450	12.1	11.0
06	09	18			Wall	Wall	Wall			5960	8950	17890			32800	2430	11.9	10.8
06	09	21			Wall	Wall	Wall			5470	8200	19130			32800	2410	11.9	10.7

MXZ-5C42NA2-U1 combination table (Heating) Non-duct

Indoor units combination					Indoor type					Heating capacity (BTU/h)						Power consumption (W)	Current (A)	
A	B	C	D	E	A	B	C	D	E	Unit A	Unit B	Unit C	Unit D	Unit E	Total		208V	230V
06	09	24			Wall	Wall	Wall			5050	7570	20180			32800	2390	11.9	10.7
06	12	12			Wall	Wall	Wall			6560	13120	13120			32800	2450	12.1	11.0
06	12	15			Wall	Wall	Wall			5960	11930	14910			32800	2430	11.9	10.8
06	12	18			Wall	Wall	Wall			5470	10930	16400			32800	2410	11.9	10.7
06	12	21			Wall	Wall	Wall			5050	10090	17660			32800	2390	11.9	10.7
06	12	24			Wall	Wall	Wall			4690	9370	18740			32800	2370	11.8	10.6
06	15	15			Wall	Wall	Wall			5470	13670	13670			32800	2410	11.9	10.7
06	15	18			Wall	Wall	Wall			5050	12620	15140			32800	2390	11.9	10.7
06	15	21			Wall	Wall	Wall			4690	11710	16400			32800	2370	11.8	10.6
06	15	24			Wall	Wall	Wall			4370	10930	17490			32800	2350	11.7	10.5
06	18	18			Wall	Wall	Wall			4690	14060	14060			32800	2370	11.8	10.6
06	18	21			Wall	Wall	Wall			4370	13120	15310			32800	2350	11.7	10.5
06	18	24			Wall	Wall	Wall			4100	12300	16400			32800	2330	11.6	10.4
06	21	21			Wall	Wall	Wall			4100	14350	14350			32800	2330	11.6	10.4
06	21	24			Wall	Wall	Wall			3860	13510	15440			32800	2310	11.5	10.4
09	09	09			Wall	Wall	Wall			10930	10930	10930			32800	2470	12.2	11.1
09	09	12			Wall	Wall	Wall			9840	9840	13120			32800	2450	12.1	11.0
09	09	15			Wall	Wall	Wall			8950	8950	14910			32800	2430	11.9	10.8
09	09	18			Wall	Wall	Wall			8200	8200	16400			32800	2410	11.9	10.7
09	09	21			Wall	Wall	Wall			7570	7570	17660			32800	2390	11.9	10.7
09	09	24			Wall	Wall	Wall			7030	7030	18740			32800	2370	11.8	10.6
09	12	12			Wall	Wall	Wall			8950	11930	11930			32800	2430	11.9	10.8
09	12	15			Wall	Wall	Wall			8200	10930	13670			32800	2410	11.9	10.7
09	12	18			Wall	Wall	Wall			7570	10090	15140			32800	2390	11.9	10.7
09	12	21			Wall	Wall	Wall			7030	9370	16400			32800	2370	11.8	10.6
09	12	24			Wall	Wall	Wall			6560	8750	17490			32800	2350	11.7	10.5
09	15	15			Wall	Wall	Wall			7570	12620	12620			32800	2390	11.9	10.7
09	15	18			Wall	Wall	Wall			7030	11710	14060			32800	2370	11.8	10.6
09	15	21			Wall	Wall	Wall			6560	10930	15310			32800	2350	11.7	10.5
09	15	24			Wall	Wall	Wall			6150	10250	16400			32800	2330	11.6	10.4
09	18	18			Wall	Wall	Wall			6560	13120	13120			32800	2350	11.7	10.5
09	18	21			Wall	Wall	Wall			6150	12300	14350			32800	2330	11.6	10.4
09	18	24			Wall	Wall	Wall			5790	11580	15440			32800	2310	11.5	10.4
09	21	21			Wall	Wall	Wall			5790	13510	13510			32800	2310	11.5	10.4
12	12	12			Wall	Wall	Wall			10930	10930	10930			32800	2410	11.9	10.7
12	12	15			Wall	Wall	Wall			10090	10090	12620			32800	2390	11.9	10.7
12	12	18			Wall	Wall	Wall			9370	9370	14060			32800	2370	11.8	10.6
12	12	21			Wall	Wall	Wall			8750	8750	15310			32800	2350	11.7	10.5
12	12	24			Wall	Wall	Wall			8200	8200	16400			32800	2330	11.6	10.4
12	15	15			Wall	Wall	Wall			9370	11710	11710			32800	2370	11.8	10.6
12	15	18			Wall	Wall	Wall			8750	10930	13120			32800	2350	11.7	10.5
12	15	21			Wall	Wall	Wall			8200	10250	14350			32800	2330	11.6	10.4
12	15	24			Wall	Wall	Wall			7720	9650	15440			32800	2310	11.5	10.4
12	18	18			Wall	Wall	Wall			8200	12300	12300			32800	2330	11.6	10.4
12	18	21			Wall	Wall	Wall			7720	11580	13510			32800	2310	11.5	10.4
15	15	15			Wall	Wall	Wall			10930	10930	10930			32800	2350	11.7	10.5
15	15	18			Wall	Wall	Wall			10250	10250	12300			32800	2330	11.6	10.4
15	15	21			Wall	Wall	Wall			9650	9650	13510			32800	2310	11.5	10.4
15	18	18			Wall	Wall	Wall			9650	11580	11580			32800	2310	11.5	10.4

MXZ-5C42NA2-U1 combination table (Heating) Non-duct

Indoor units combination					Indoor type					Heating capacity (BTU/h)						Power consumption (W)	Current (A)	
A	B	C	D	E	A	B	C	D	E	Unit A	Unit B	Unit C	Unit D	Unit E	Total		208V	230V
06	06	06	06		Wall	Wall	Wall	Wall		7400	7400	7400	7400		29600	2000	9.7	8.8
06	06	06	09		Wall	Wall	Wall	Wall		7380	7380	7380	11070		33200	2420	11.8	10.6
06	06	06	12		Wall	Wall	Wall	Wall		7200	7200	7200	14400		36000	2730	13.3	12.0
06	06	06	15		Wall	Wall	Wall	Wall		6550	6550	6550	16360		36000	2700	13.1	11.9
06	06	06	18		Wall	Wall	Wall	Wall		6000	6000	6000	18000		36000	2670	13.0	11.7
06	06	06	21		Wall	Wall	Wall	Wall		5850	5850	5850	20460		38000	2640	12.8	11.6
06	06	06	24		Wall	Wall	Wall	Wall		5430	5430	5430	21710		38000	2610	12.7	11.5
06	06	09	09		Wall	Wall	Wall	Wall		7200	7200	10800	10800		36000	2730	13.3	12.0
06	06	09	12		Wall	Wall	Wall	Wall		6550	6550	9820	13090		36000	2700	13.1	11.9
06	06	09	15		Wall	Wall	Wall	Wall		6000	6000	9000	15000		36000	2670	13.0	11.7
06	06	09	18		Wall	Wall	Wall	Wall		5850	5850	8770	17540		38000	2640	12.8	11.6
06	06	09	21		Wall	Wall	Wall	Wall		5430	5430	8140	19000		38000	2610	12.7	11.5
06	06	09	24		Wall	Wall	Wall	Wall		5070	5070	7600	20270		38000	2580	12.5	11.3
06	06	12	12		Wall	Wall	Wall	Wall		6000	6000	12000	12000		36000	2670	13.0	11.7
06	06	12	15		Wall	Wall	Wall	Wall		5850	5850	11690	14620		38000	2640	12.8	11.6
06	06	12	18		Wall	Wall	Wall	Wall		5430	5430	10860	16290		38000	2610	12.7	11.5
06	06	12	21		Wall	Wall	Wall	Wall		5070	5070	10130	17730		38000	2580	12.5	11.3
06	06	12	24		Wall	Wall	Wall	Wall		4750	4750	9500	19000		38000	2550	12.4	11.2
06	06	15	15		Wall	Wall	Wall	Wall		5430	5430	13570	13570		38000	2610	12.7	11.5
06	06	15	18		Wall	Wall	Wall	Wall		5070	5070	12670	15200		38000	2580	12.5	11.3
06	06	15	21		Wall	Wall	Wall	Wall		4750	4750	11880	16630		38000	2550	12.4	11.2
06	06	15	24		Wall	Wall	Wall	Wall		4470	4470	11180	17880		38000	2520	12.2	11.1
06	06	18	18		Wall	Wall	Wall	Wall		4750	4750	14250	14250		38000	2550	12.4	11.2
06	06	18	21		Wall	Wall	Wall	Wall		4470	4470	13410	15650		38000	2520	12.2	11.1
06	09	09	09		Wall	Wall	Wall	Wall		6550	9820	9820	9820		36000	2700	13.1	11.9
06	09	09	12		Wall	Wall	Wall	Wall		6000	9000	9000	12000		36000	2670	13.0	11.7
06	09	09	15		Wall	Wall	Wall	Wall		5850	8770	8770	14620		38000	2640	12.8	11.6
06	09	09	18		Wall	Wall	Wall	Wall		5430	8140	8140	16290		38000	2610	12.7	11.5
06	09	09	21		Wall	Wall	Wall	Wall		5070	7600	7600	17730		38000	2580	12.5	11.3
06	09	09	24		Wall	Wall	Wall	Wall		4750	7130	7130	19000		38000	2550	12.4	11.2
06	09	12	12		Wall	Wall	Wall	Wall		5850	8770	11690	11690		38000	2640	12.8	11.6
06	09	12	15		Wall	Wall	Wall	Wall		5430	8140	10860	13570		38000	2610	12.7	11.5
06	09	12	18		Wall	Wall	Wall	Wall		5070	7600	10130	15200		38000	2580	12.5	11.3
06	09	12	21		Wall	Wall	Wall	Wall		4750	7130	9500	16630		38000	2550	12.4	11.2
06	09	12	24		Wall	Wall	Wall	Wall		4470	6710	8940	17880		38000	2520	12.2	11.1
06	09	15	15		Wall	Wall	Wall	Wall		5070	7600	12670	12670		38000	2580	12.5	11.3
06	09	15	18		Wall	Wall	Wall	Wall		4750	7130	11880	14250		38000	2550	12.4	11.2
06	09	15	21		Wall	Wall	Wall	Wall		4470	6710	11180	15650		38000	2520	12.2	11.1
06	09	18	18		Wall	Wall	Wall	Wall		4470	6710	13410	13410		38000	2520	12.2	11.1
06	12	12	12		Wall	Wall	Wall	Wall		5430	10860	10860	10860		38000	2610	12.7	11.5
06	12	12	15		Wall	Wall	Wall	Wall		5070	10130	10130	12670		38000	2580	12.5	11.3
06	12	12	18		Wall	Wall	Wall	Wall		4750	9500	9500	14250		38000	2550	12.4	11.2
06	12	12	21		Wall	Wall	Wall	Wall		4470	8940	8940	15650		38000	2520	12.2	11.1
06	12	15	15		Wall	Wall	Wall	Wall		4750	9500	11880	11880		38000	2550	12.4	11.2
06	12	15	18		Wall	Wall	Wall	Wall		4470	8940	11180	13410		38000	2520	12.2	11.1
06	15	15	15		Wall	Wall	Wall	Wall		4470	11180	11180	11180		38000	2520	12.2	11.1
09	09	09	09		Wall	Wall	Wall	Wall		9000	9000	9000	9000		36000	2670	13.0	11.7
09	09	09	12		Wall	Wall	Wall	Wall		8770	8770	8770	11690		38000	2640	12.8	11.6
09	09	09	15		Wall	Wall	Wall	Wall		8140	8140	8140	13570		38000	2610	12.7	11.5

MXZ-5C42NA2-U1 combination table (Heating) Non-duct

Indoor units combination					Indoor type					Heating capacity (BTU/h)						Power consumption (W)	Current (A)	
A	B	C	D	E	A	B	C	D	E	Unit A	Unit B	Unit C	Unit D	Unit E	Total		208V	230V
09	09	09	18		Wall	Wall	Wall	Wall		7600	7600	7600	15200		38000	2580	12.5	11.3
09	09	09	21		Wall	Wall	Wall	Wall		7130	7130	7130	16630		38000	2550	12.4	11.2
09	09	09	24		Wall	Wall	Wall	Wall		6710	6710	6710	17880		38000	2520	12.2	11.1
09	09	12	12		Wall	Wall	Wall	Wall		8140	8140	10860	10860		38000	2610	12.7	11.5
09	09	12	15		Wall	Wall	Wall	Wall		7600	7600	10130	12670		38000	2580	12.5	11.3
09	09	12	18		Wall	Wall	Wall	Wall		7130	7130	9500	14250		38000	2550	12.4	11.2
09	09	12	21		Wall	Wall	Wall	Wall		6710	6710	8940	15650		38000	2520	12.2	11.1
09	09	15	15		Wall	Wall	Wall	Wall		7130	7130	11880	11880		38000	2550	12.4	11.2
09	09	15	18		Wall	Wall	Wall	Wall		6710	6710	11180	13410		38000	2520	12.2	11.1
09	12	12	12		Wall	Wall	Wall	Wall		7600	10130	10130	10130		38000	2580	12.5	11.3
09	12	12	15		Wall	Wall	Wall	Wall		7130	9500	9500	11880		38000	2550	12.4	11.2
09	12	12	18		Wall	Wall	Wall	Wall		6710	8940	8940	13410		38000	2520	12.2	11.1
09	12	15	15		Wall	Wall	Wall	Wall		6710	8940	11180	11180		38000	2520	12.2	11.1
12	12	12	12		Wall	Wall	Wall	Wall		9500	9500	9500	9500		38000	2550	12.4	11.2
12	12	12	15		Wall	Wall	Wall	Wall		8940	8940	8940	11180		38000	2520	12.2	11.1
06	06	06	06	06	Wall	Wall	Wall	Wall	Wall	7400	7400	7400	7400	7400	37000	2970	14.4	13.0
06	06	06	06	09	Wall	Wall	Wall	Wall	Wall	7380	7380	7380	7380	11070	40600	3200	15.5	14.1
06	06	06	06	12	Wall	Wall	Wall	Wall	Wall	7330	7330	7330	7330	14670	44000	3240	15.7	14.2
06	06	06	06	15	Wall	Wall	Wall	Wall	Wall	6860	6860	6860	6860	17150	44600	3350	16.3	14.7
06	06	06	06	18	Wall	Wall	Wall	Wall	Wall	6430	6430	6430	6430	19290	45000	3480	16.9	15.3
06	06	06	06	21	Wall	Wall	Wall	Wall	Wall	6110	6110	6110	6110	21370	45800	3550	17.2	15.6
06	06	06	06	24	Wall	Wall	Wall	Wall	Wall	5730	5730	5730	5730	22900	45800	3520	17.1	15.5
06	06	06	09	09	Wall	Wall	Wall	Wall	Wall	7330	7330	7330	11000	11000	44000	3240	15.7	14.2
06	06	06	09	12	Wall	Wall	Wall	Wall	Wall	6860	6860	6860	10290	13720	44600	3350	16.3	14.7
06	06	06	09	15	Wall	Wall	Wall	Wall	Wall	6430	6430	6430	9640	16070	45000	3480	16.9	15.3
06	06	06	09	18	Wall	Wall	Wall	Wall	Wall	6110	6110	6110	9160	18320	45800	3550	17.2	15.6
06	06	06	09	21	Wall	Wall	Wall	Wall	Wall	5730	5730	5730	8590	20040	45800	3520	17.1	15.5
06	06	06	09	24	Wall	Wall	Wall	Wall	Wall	5460	5460	5460	8190	21840	46400	3490	17.0	15.3
06	06	06	12	12	Wall	Wall	Wall	Wall	Wall	6430	6430	6430	12860	12860	45000	3480	16.9	15.3
06	06	06	12	15	Wall	Wall	Wall	Wall	Wall	6110	6110	6110	12210	15270	45800	3550	17.2	15.6
06	06	06	12	18	Wall	Wall	Wall	Wall	Wall	5730	5730	5730	11450	17180	45800	3520	17.1	15.5
06	06	06	12	21	Wall	Wall	Wall	Wall	Wall	5460	5460	5460	10920	19110	46400	3490	17.0	15.3
06	06	06	15	15	Wall	Wall	Wall	Wall	Wall	5730	5730	5730	14310	14310	45800	3520	17.1	15.5
06	06	06	15	18	Wall	Wall	Wall	Wall	Wall	5460	5460	5460	13650	16380	46400	3490	17.0	15.3
06	06	09	09	09	Wall	Wall	Wall	Wall	Wall	6860	6860	10290	10290	10290	44600	3350	16.3	14.7
06	06	09	09	12	Wall	Wall	Wall	Wall	Wall	6430	6430	9640	9640	12860	45000	3480	16.9	15.3
06	06	09	09	15	Wall	Wall	Wall	Wall	Wall	6110	6110	9160	9160	15270	45800	3550	17.2	15.6
06	06	09	09	18	Wall	Wall	Wall	Wall	Wall	5730	5730	8590	8590	17180	45800	3520	17.1	15.5
06	06	09	09	21	Wall	Wall	Wall	Wall	Wall	5460	5460	8190	8190	19110	46400	3490	17.0	15.3
06	06	09	12	12	Wall	Wall	Wall	Wall	Wall	6110	6110	9160	12210	12210	45800	3550	17.2	15.6
06	06	09	12	15	Wall	Wall	Wall	Wall	Wall	5730	5730	8590	11450	14310	45800	3520	17.1	15.5
06	06	09	12	18	Wall	Wall	Wall	Wall	Wall	5460	5460	8190	10920	16380	46400	3490	17.0	15.3
06	06	09	15	15	Wall	Wall	Wall	Wall	Wall	5460	5460	8190	13650	13650	46400	3490	17.0	15.3
06	06	12	12	12	Wall	Wall	Wall	Wall	Wall	5730	5730	11450	11450	11450	45800	3520	17.1	15.5
06	06	12	12	15	Wall	Wall	Wall	Wall	Wall	5460	5460	10920	10920	13650	46400	3490	17.0	15.3
06	09	09	09	09	Wall	Wall	Wall	Wall	Wall	6430	9640	9640	9640	9640	45000	3480	16.9	15.3
06	09	09	09	12	Wall	Wall	Wall	Wall	Wall	6110	9160	9160	9160	12210	45800	3550	17.2	15.6
06	09	09	09	15	Wall	Wall	Wall	Wall	Wall	5730	8590	8590	8590	14310	45800	3520	17.1	15.5
06	09	09	09	18	Wall	Wall	Wall	Wall	Wall	5460	8190	8190	8190	16380	46400	3490	17.0	15.3

MXZ-5C42NA2-U1 combination table (Heating) Non-duct

Indoor units combination					Indoor type					Heating capacity (BTU/h)						Power consumption (W)	Current (A)	
A	B	C	D	E	A	B	C	D	E	Unit A	Unit B	Unit C	Unit D	Unit E	Total		208V	230V
06	09	09	12	12	Wall	Wall	Wall	Wall	Wall	5730	8590	8590	11450	11450	45800	3520	17.1	15.5
06	09	09	12	15	Wall	Wall	Wall	Wall	Wall	5460	8190	8190	10920	13650	46400	3490	17.0	15.3
06	09	12	12	12	Wall	Wall	Wall	Wall	Wall	5460	8190	10920	10920	10920	46400	3490	17.0	15.3
09	09	09	09	09	Wall	Wall	Wall	Wall	Wall	9160	9160	9160	9160	9160	45800	3550	17.2	15.6
09	09	09	09	12	Wall	Wall	Wall	Wall	Wall	8590	8590	8590	8590	11450	45800	3520	17.1	15.5
09	09	09	09	15	Wall	Wall	Wall	Wall	Wall	8190	8190	8190	8190	13650	46400	3490	17.0	15.3
09	09	09	12	12	Wall	Wall	Wall	Wall	Wall	8190	8190	8190	10920	10920	46400	3490	17.0	15.3

MXZ-5C42NA2-U1 combination table (Heating) Duct

Indoor units combination					Indoor type					Heating capacity (BTU/h)						Power consumption (W)	Current (A)	
A	B	C	D	E	A	B	C	D	E	Unit A	Unit B	Unit C	Unit D	Unit E	Total		208V	230V
09					Duct					10900					10900	1000	5.1	4.6
12					Duct					13600					13600	1260	6.4	5.8
15					Duct					18000					18000	1650	8.4	7.6
18					Duct					21600					21600	2050	10.4	9.4
21					Duct					23800					23800	2450	12.4	11.2
24					Duct					26000					26000	2710	13.7	12.4
09	09				Duct	Duct				10900	10900				21800	1820	9.0	8.2
09	12				Duct	Duct				10500	14000				24500	2000	9.9	9.0
09	15				Duct	Duct				10200	17000				27200	2360	11.7	10.6
09	18				Duct	Duct				9330	18670				28000	2360	11.7	10.6
09	21				Duct	Duct				8400	19600				28000	2360	11.7	10.6
09	24				Duct	Duct				7640	20360				28000	2360	11.7	10.6
12	12				Duct	Duct				13600	13600				27200	2360	11.7	10.6
12	15				Duct	Duct				12440	15560				28000	2360	11.7	10.6
12	18				Duct	Duct				11200	16800				28000	2360	11.7	10.6
12	21				Duct	Duct				10180	17820				28000	2360	11.7	10.6
12	24				Duct	Duct				9330	18670				28000	2360	11.7	10.6
15	15				Duct	Duct				14000	14000				28000	2360	11.7	10.6
15	18				Duct	Duct				12730	15270				28000	2360	11.7	10.6
15	21				Duct	Duct				11670	16330				28000	2360	11.7	10.6
15	24				Duct	Duct				11150	17850				29000	2400	11.9	10.8
18	18				Duct	Duct				14000	14000				28000	2360	11.7	10.6
18	21				Duct	Duct				13380	15620				29000	2400	11.9	10.8
18	24				Duct	Duct				12430	16570				29000	2400	11.9	10.8
21	21				Duct	Duct				14500	14500				29000	2400	11.9	10.8
21	24				Duct	Duct				14000	16000				30000	2420	12.0	10.9
24	24				Duct	Duct				15000	15000				30000	2380	11.8	10.7
09	09	09			Duct	Duct	Duct			10900	10900	10900			32700	2590	12.8	11.6
09	09	12			Duct	Duct	Duct			9810	9810	13080			32700	2570	12.7	11.5
09	09	15			Duct	Duct	Duct			8920	8920	14860			32700	2550	12.6	11.4
09	09	18			Duct	Duct	Duct			8180	8180	16350			32700	2530	12.5	11.3
09	09	21			Duct	Duct	Duct			7550	7550	17610			32700	2510	12.4	11.3
09	09	24			Duct	Duct	Duct			7010	7010	18690			32700	2490	12.3	11.2
09	12	12			Duct	Duct	Duct			8920	11890	11890			32700	2550	12.6	11.4
09	12	15			Duct	Duct	Duct			8180	10900	13630			32700	2530	12.5	11.3
09	12	18			Duct	Duct	Duct			7550	10060	15090			32700	2510	12.4	11.3
09	12	21			Duct	Duct	Duct			7010	9340	16350			32700	2490	12.3	11.2
09	12	24			Duct	Duct	Duct			6540	8720	17440			32700	2470	12.2	11.1
09	15	15			Duct	Duct	Duct			7550	12580	12580			32700	2510	12.4	11.3
09	15	18			Duct	Duct	Duct			7010	11680	14010			32700	2490	12.3	11.2
09	15	21			Duct	Duct	Duct			6540	10900	15260			32700	2470	12.2	11.1
09	15	24			Duct	Duct	Duct			6130	10220	16350			32700	2450	12.1	11.0
09	18	18			Duct	Duct	Duct			6540	13080	13080			32700	2470	12.2	11.1
09	18	21			Duct	Duct	Duct			6130	12260	14310			32700	2450	12.1	11.0
09	18	24			Duct	Duct	Duct			5770	11540	15390			32700	2430	12.0	10.9
09	21	21			Duct	Duct	Duct			5770	13460	13460			32700	2430	12.0	10.9
12	12	12			Duct	Duct	Duct			10900	10900	10900			32700	2530	12.5	11.3

MXZ-5C42NA2-U1 combination table (Heating) Duct

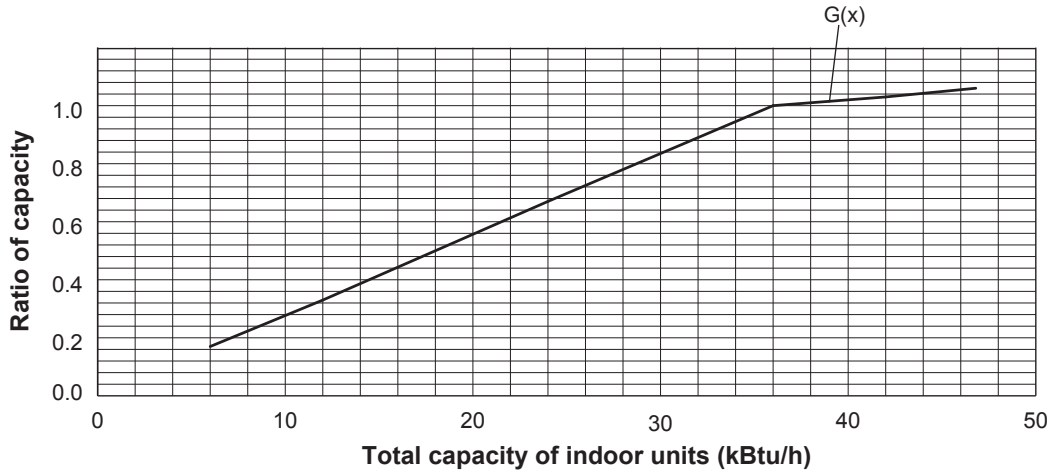
Indoor units combination					Indoor type					Heating capacity (BTU/h)						Power consumption (W)	Current (A)	
A	B	C	D	E	A	B	C	D	E	Unit A	Unit B	Unit C	Unit D	Unit E	Total		208V	230V
12	12	15			Duct	Duct	Duct			10060	10060	12580			32700	2510	12.4	11.3
12	12	18			Duct	Duct	Duct			9340	9340	14010			32700	2490	12.3	11.2
12	12	21			Duct	Duct	Duct			8720	8720	15260			32700	2470	12.2	11.1
12	12	24			Duct	Duct	Duct			8180	8180	16350			32700	2450	12.1	11.0
12	15	15			Duct	Duct	Duct			9340	11680	11680			32700	2490	12.3	11.2
12	15	18			Duct	Duct	Duct			8720	10900	13080			32700	2470	12.2	11.1
12	15	21			Duct	Duct	Duct			8180	10220	14310			32700	2450	12.1	11.0
12	15	24			Duct	Duct	Duct			7690	9620	15390			32700	2430	12.0	10.9
12	18	18			Duct	Duct	Duct			8180	12260	12260			32700	2450	12.1	11.0
12	18	21			Duct	Duct	Duct			7690	11540	13460			32700	2430	12.0	10.9
15	15	15			Duct	Duct	Duct			10900	10900	10900			32700	2470	12.2	11.1
15	15	18			Duct	Duct	Duct			10220	10220	12260			32700	2450	12.1	11.0
15	15	21			Duct	Duct	Duct			9620	9620	13460			32700	2430	12.0	10.9
15	18	18			Duct	Duct	Duct			9620	11540	11540			32700	2430	12.0	10.9
09	09	09	09		Duct	Duct	Duct	Duct		8600	8600	8600	8600		34400	2820	13.7	12.4
09	09	09	12		Duct	Duct	Duct	Duct		8030	8030	8030	10710		34800	2850	13.8	12.5
09	09	09	15		Duct	Duct	Duct	Duct		7670	7670	7670	12790		35800	2980	14.5	13.1
09	09	09	18		Duct	Duct	Duct	Duct		7160	7160	7160	14320		35800	2980	14.5	13.1
09	09	09	21		Duct	Duct	Duct	Duct		6980	6980	6980	16280		37200	3110	15.1	13.7
09	09	09	24		Duct	Duct	Duct	Duct		6560	6560	6560	17510		37200	3060	14.9	13.4
09	09	12	12		Duct	Duct	Duct	Duct		7670	7670	10230	10230		35800	2980	14.5	13.1
09	09	12	15		Duct	Duct	Duct	Duct		7160	7160	9550	11930		35800	2980	14.5	13.1
09	09	12	18		Duct	Duct	Duct	Duct		6980	6980	9300	13950		37200	3110	15.1	13.7
09	09	12	21		Duct	Duct	Duct	Duct		6560	6560	8750	15320		37200	3060	14.9	13.4
09	09	15	15		Duct	Duct	Duct	Duct		6980	6980	11630	11630		37200	3110	15.1	13.7
09	09	15	18		Duct	Duct	Duct	Duct		6560	6560	10940	13130		37200	3060	14.9	13.4
09	12	12	12		Duct	Duct	Duct	Duct		7160	9550	9550	9550		35800	2980	14.5	13.1
09	12	12	15		Duct	Duct	Duct	Duct		6980	9300	9300	11630		37200	3110	15.1	13.7
09	12	12	18		Duct	Duct	Duct	Duct		6560	8750	8750	13130		37200	3060	14.9	13.4
09	12	15	15		Duct	Duct	Duct	Duct		6560	8750	10940	10940		37200	3060	14.9	13.4
12	12	12	12		Duct	Duct	Duct	Duct		9300	9300	9300	9300		37200	3110	15.1	13.7
12	12	12	15		Duct	Duct	Duct	Duct		8750	8750	8750	10940		37200	3060	14.9	13.4
09	09	09	09	09	Duct	Duct	Duct	Duct	Duct	8200	8200	8200	8200	8200	41000	3160	15.4	13.9
09	09	09	09	12	Duct	Duct	Duct	Duct	Duct	7880	7880	7880	7880	10500	42000	3310	16.1	14.5
09	09	09	09	15	Duct	Duct	Duct	Duct	Duct	7590	7590	7590	7590	12650	43000	3330	16.2	14.6
09	09	09	12	12	Duct	Duct	Duct	Duct	Duct	7590	7590	7590	10120	10120	43000	3330	16.2	14.6

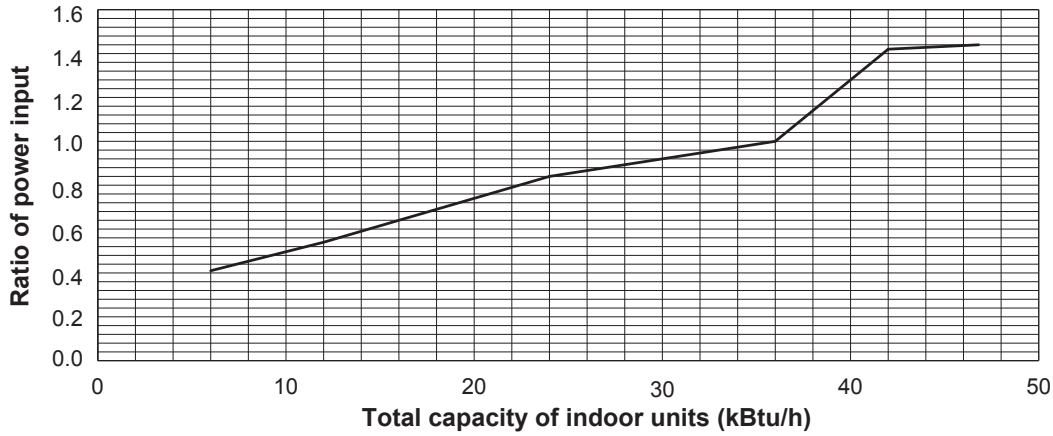
A.9.11 STANDARD CAPACITY DIAGRAM

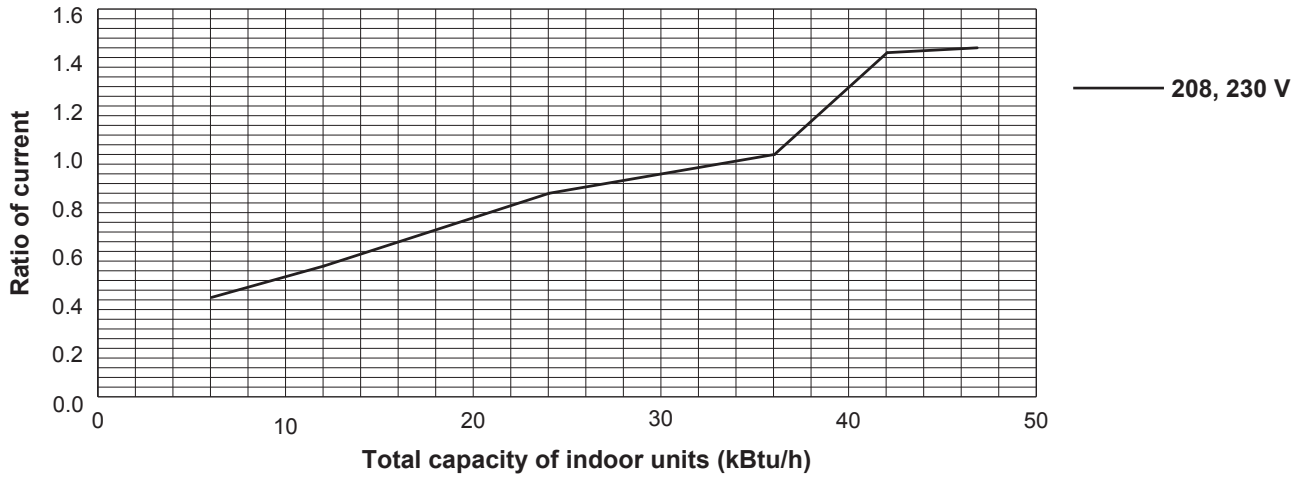
MXZ-8C48NA2-U1 MXZ-8C60NA2-U1
MXZ-4C36NAHZ2-U1 MXZ-5C42NAHZ2-U1 MXZ-8C48NAHZ2-U1

MXZ-4C36NAHZ2-U1 <cooling>

		Non-Ducted	Mix	Ducted
Nominal cooling capacity	Btu/h	36,000	36,000	36,000
Input	W	2,570	2,720	2,880
Current (208V)	A	12.8	13.5	14.2
Current (230V)	A	11.6	12.2	12.9

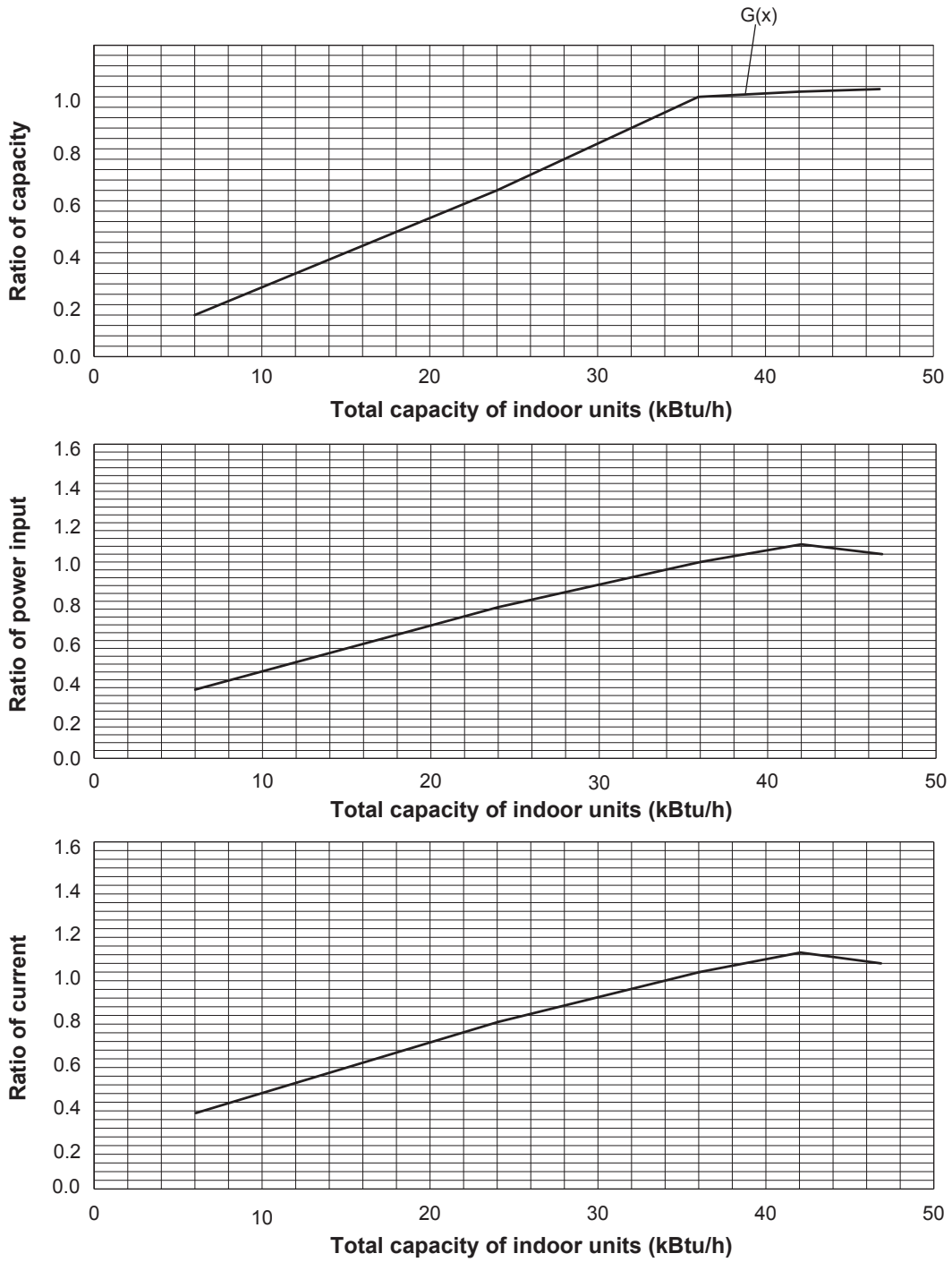






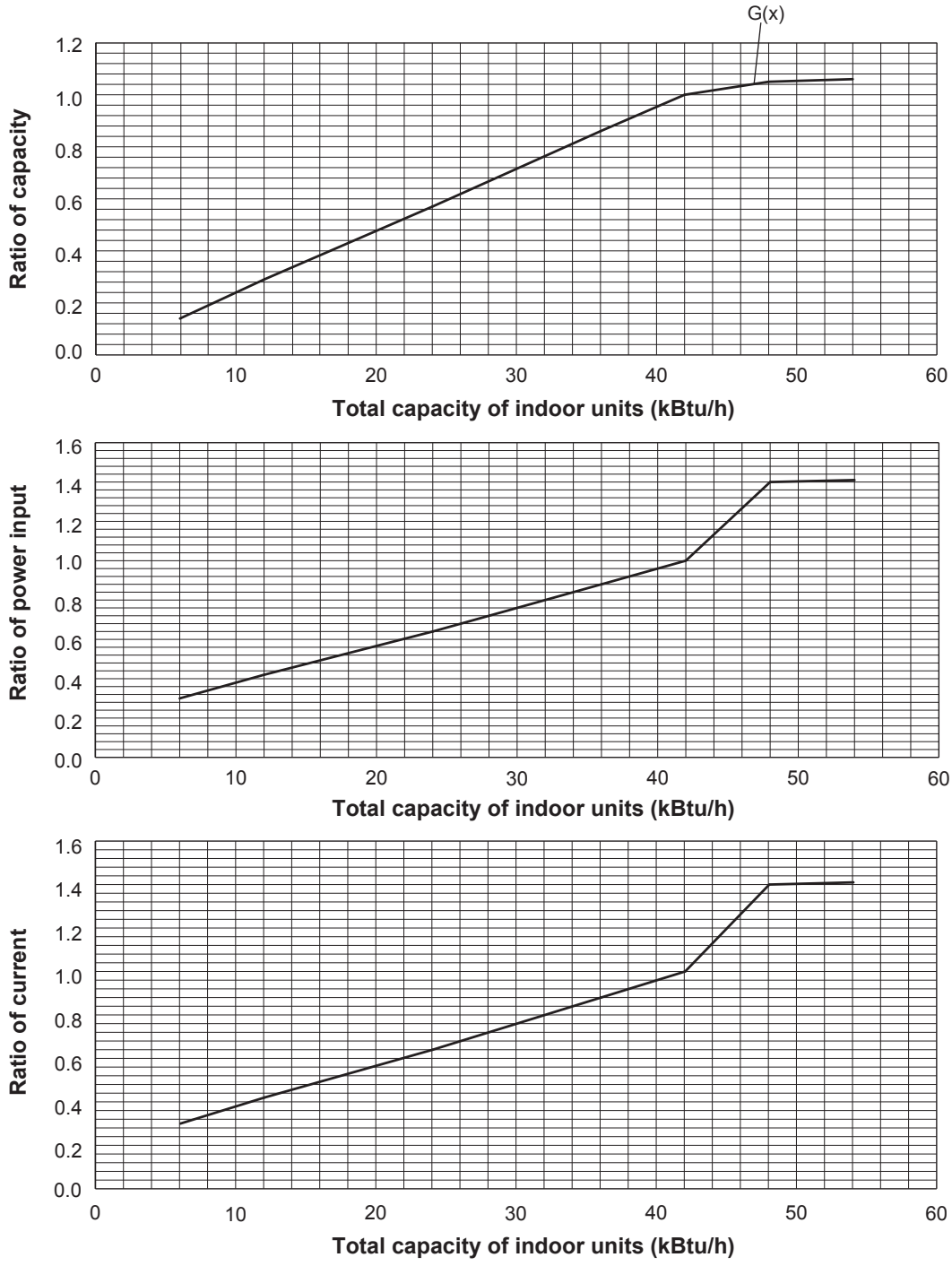
MXZ-4C36NAHZ2-U1 <heating>

		Non-Ducted	Mix	Ducted
Nominal heating capacity	Btu/h	45,000	45,000	45,000
Input	W	3,340	3,470	3,560
Current (208V)	A	16.4	17.0	17.4
Current (230V)	A	14.8	15.4	15.7



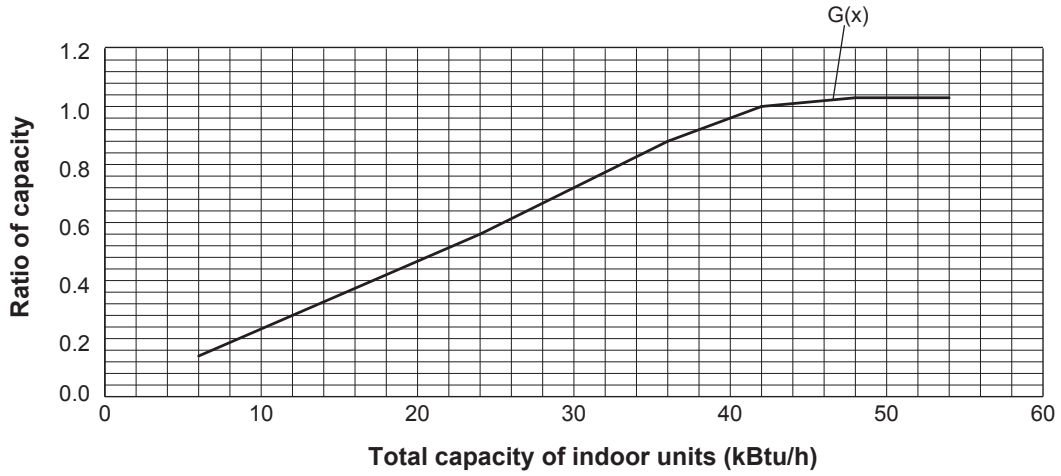
MXZ-5C42NAHZ2-U1 <cooling>

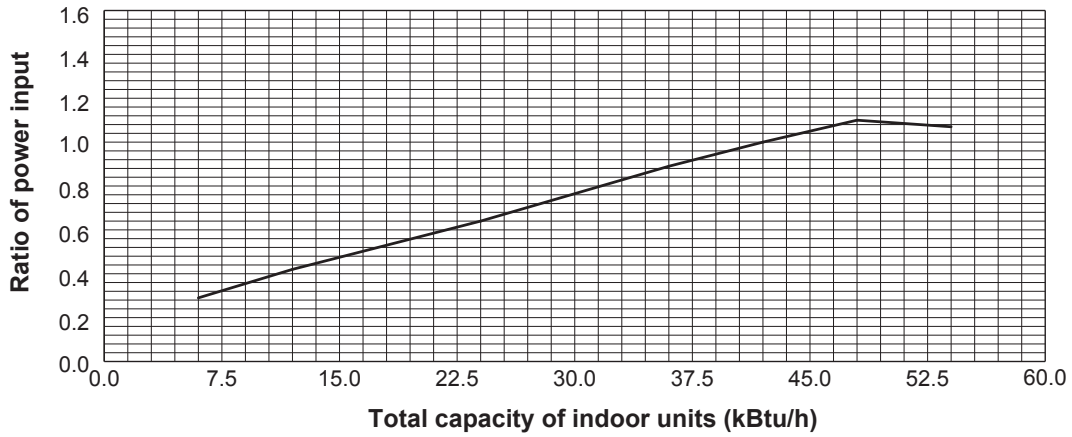
		Non-Ducted	Mix	Ducted
Nominal cooling capacity	Btu/h	42,000	42,000	42,000
Input	W	3,130	3,470	3,890
Current (208V)	A	15.5	17.1	19.0
Current (230V)	A	14.0	15.4	17.2

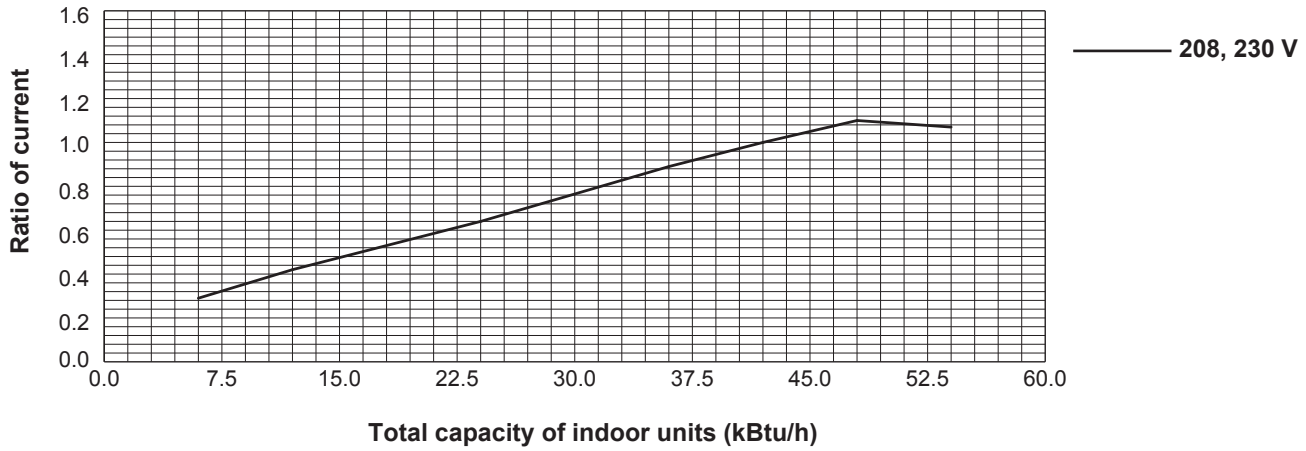


MXZ-5C42NAHZ2-U1 <heating>

		Non-Ducted	Mix	Ducted
Nominal heating capacity	Btu/h	48,000	48,000	48,000
Input	W	3,430	3,750	4,140
Current (208V)	A	16.8	18.3	20.2
Current (230V)	A	15.2	16.6	18.3

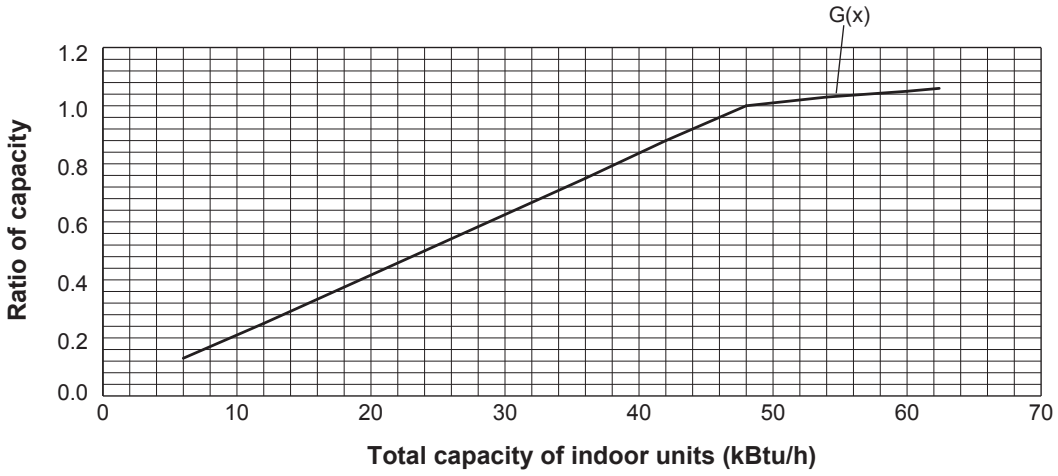


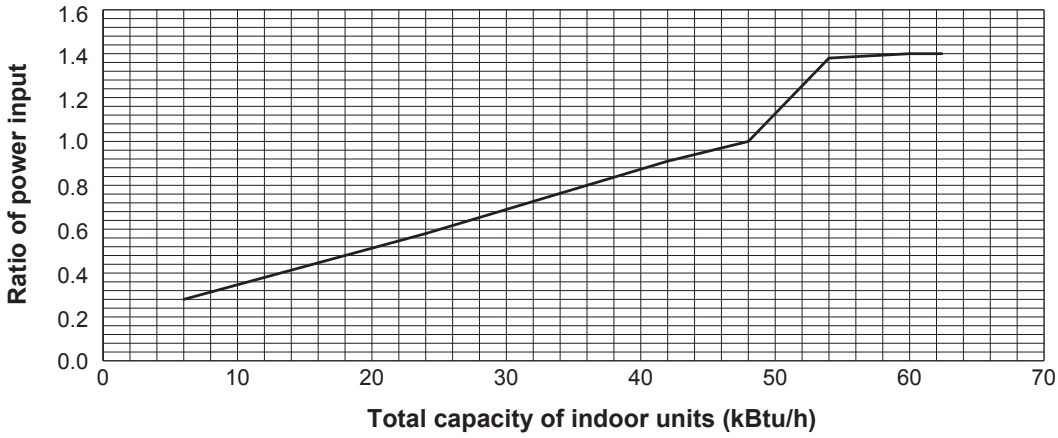


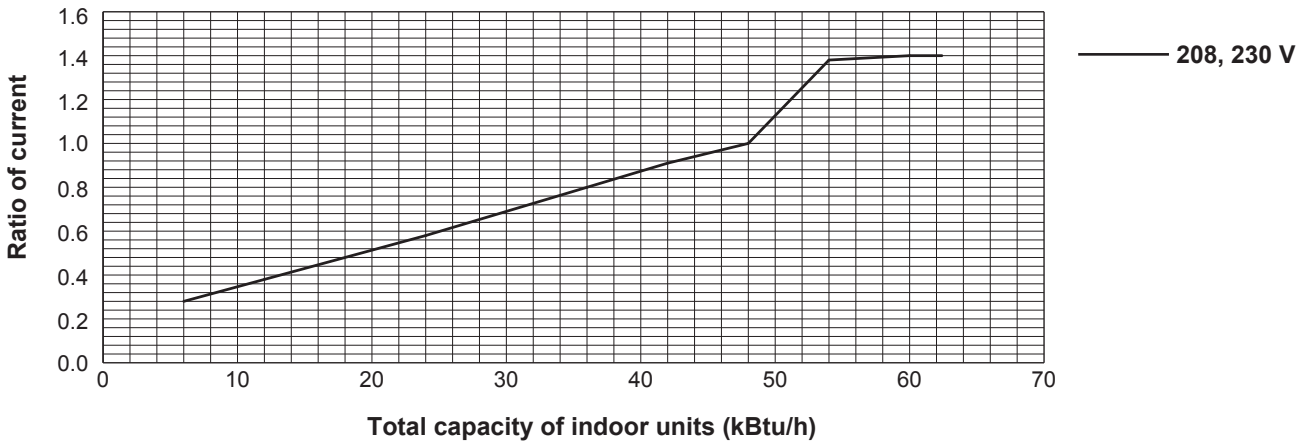


MXZ-8C48NA2-U1 MXZ-8C48NAHZ2-U1 <cooling>

		Non-Ducted	Mix	Ducted
Nominal cooling capacity	Btu/h	48,000	48,000	48,000
Input	W	3,930	4,320	4,800
Current (208V)	A	19.2	21.1	23.3
Current (230V)	A	17.4	19.0	21.1

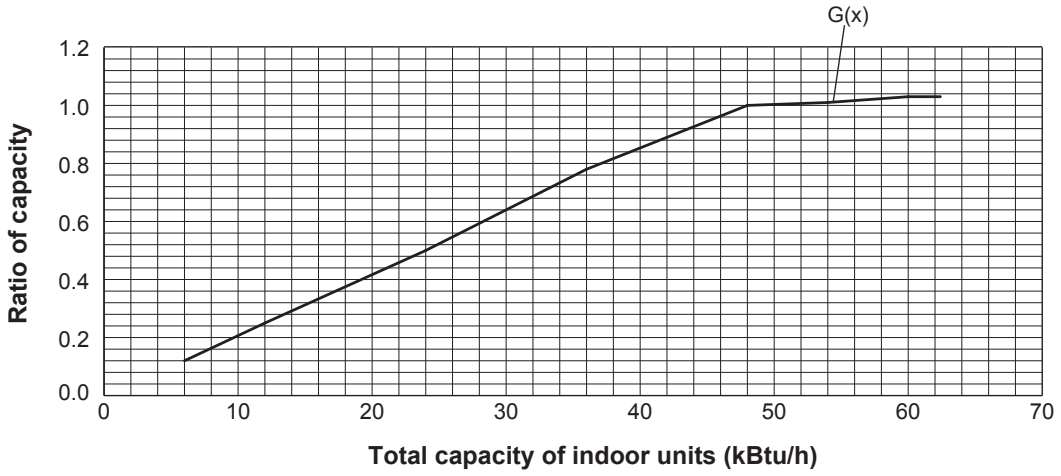


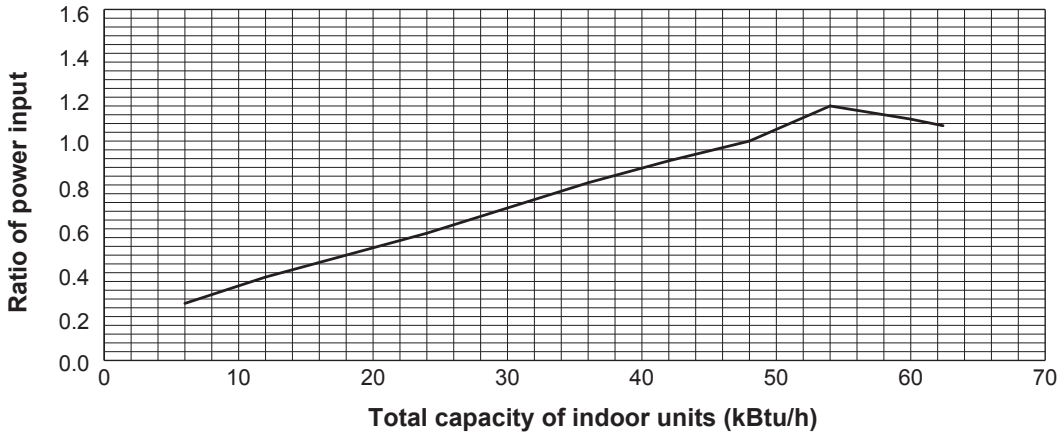


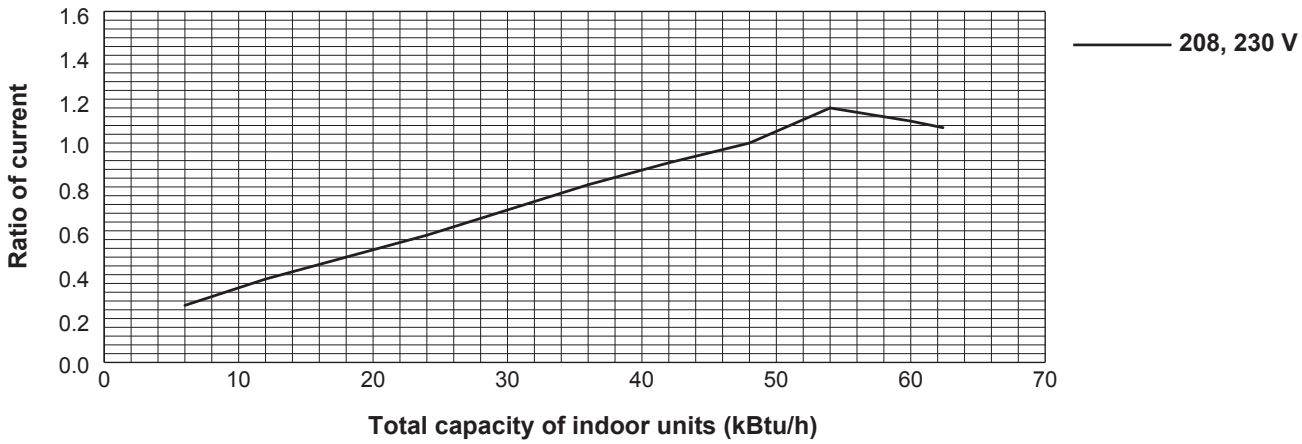


MXZ-8C48NA2-U1 MXZ-8C48NAHZ2-U1 <heating>

		Non-Ducted	Mix	Ducted
Nominal heating capacity	Btu/h	54,000	54,000	54,000
Input	W	4,220	4,520	4,800
Current (208V)	A	20.6	22.0	23.3
Current (230V)	A	18.7	19.9	21.1

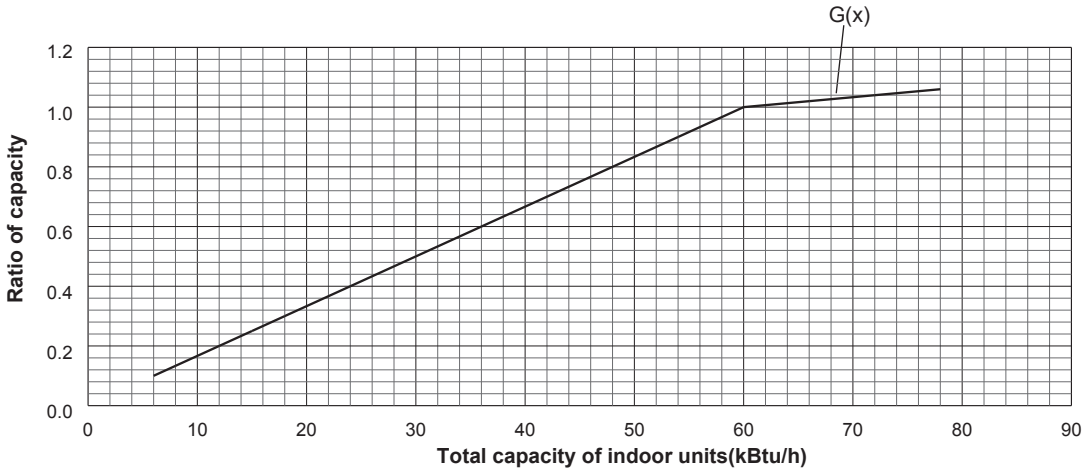


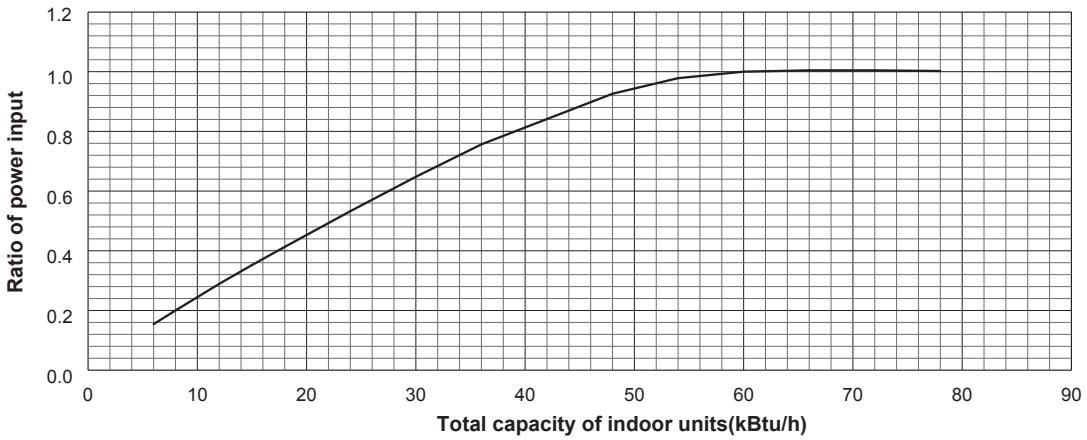


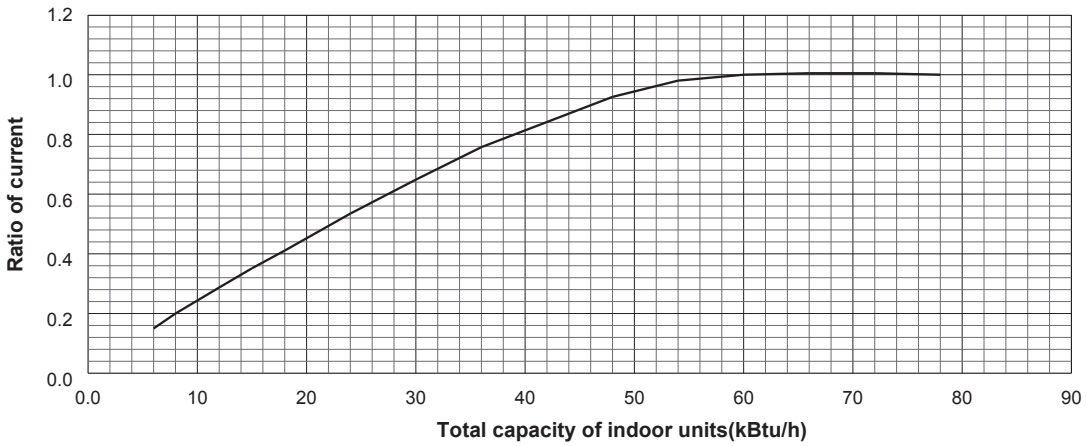


MXZ-8C60NA2-U1 <cooling>

		Non-Ducted	Mix	Ducted
Nominal cooling capacity	Btu/h	60,000	60,000	60,000
Input	W	4,800	5,360	6,000
Current (208V)	A	23.4	26.1	29.2
Current (230V)	A	21.2	23.6	26.5



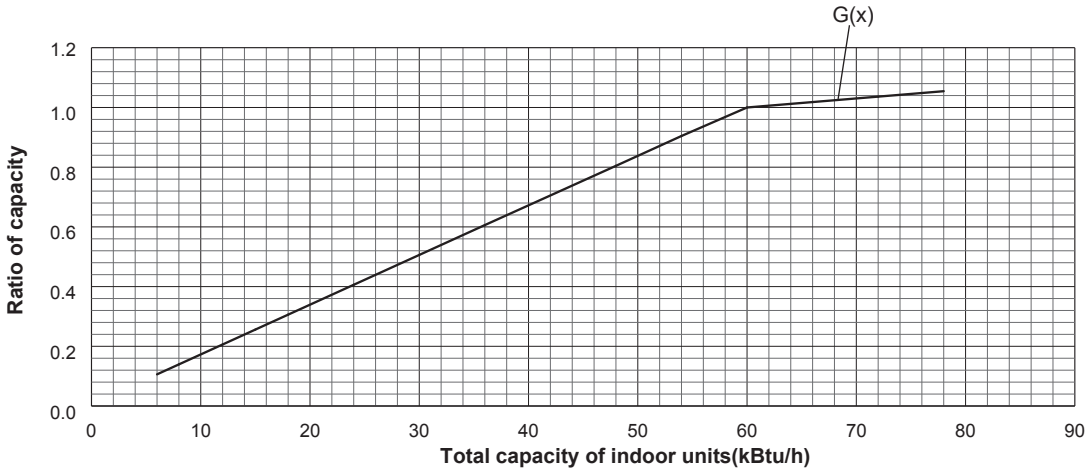


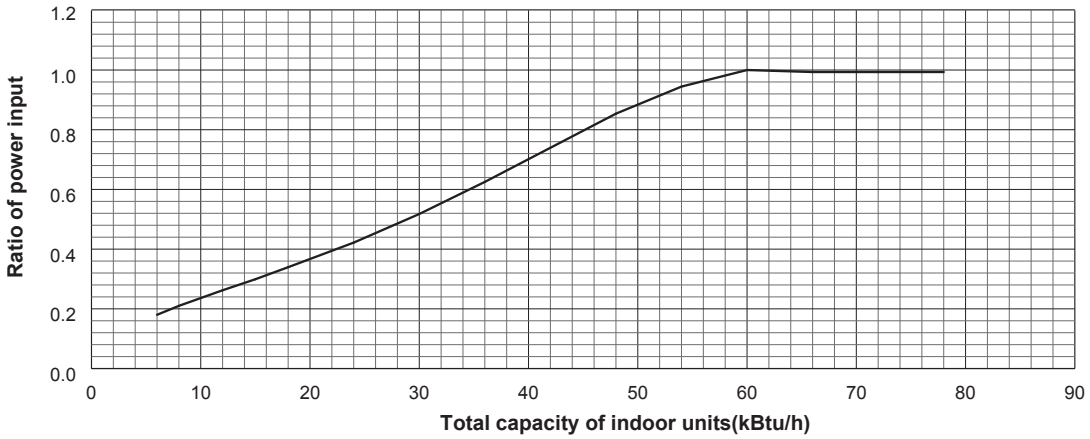


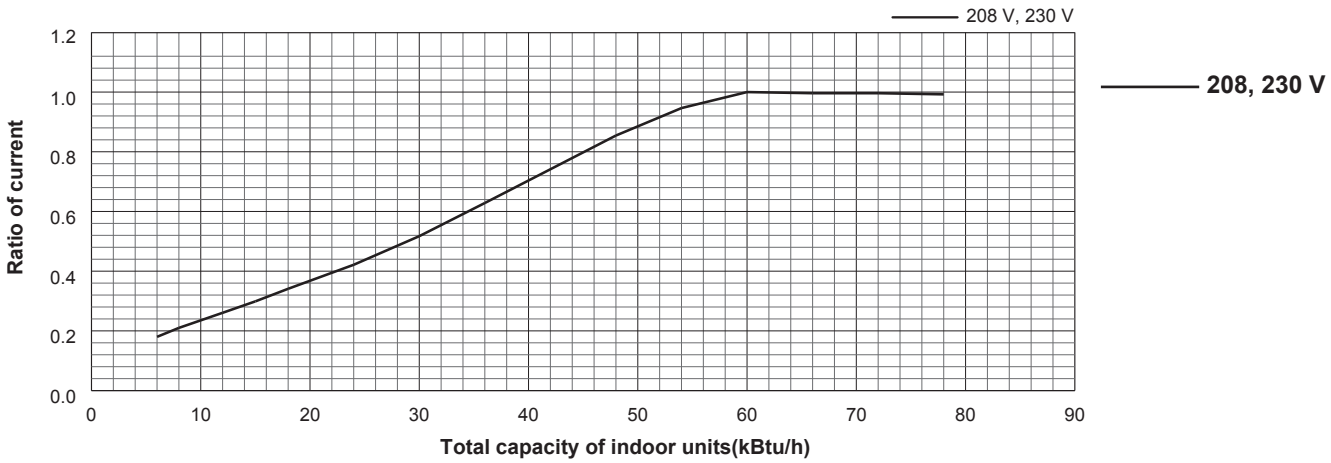
208, 230 V

MXZ-8C60NA2-U1 <heating>

		Non-Ducted	Mix	Ducted
Nominal heating capacity	Btu/h	66,000	66,000	66,000
Input	W	5,530	5,530	5,530
Current (208V)	A	27.0	27.0	27.0
Current (230V)	A	24.4	24.4	24.4







A.9.12 PART LOAD CAPACITY CHART

MXZ-2C20NA2-U1

Rated Q(Btu/h): 18000 W: 1417 **Max** Q(Btu/h): 20000

1) COOLING

Indoor W.B.			72°F / 22.2°C						67°F / 19.4°C						64°F / 17.8°C						61°F / 16.1°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																									
115	46.1	Q[Btu/h]	17275	14400	10800	7200	-	7473	17059	14220	10665	7110	-	7379	16627	13860	10395	6930	-	7192	15332	12780	9585	6390	-	6632
		W	2324	1346	852	576	-	882	2495	1445	915	619	-	947	2569	1488	942	637	-	974	2398	1389	879	594	-	909
110	43.3	Q[Btu/h]	19797	18360	13770	9180	-	8360	18028	16720	12540	8360	-	7613	17468	16200	12150	8100	-	7376	13780	12780	9585	6390	-	5819
		W	2551	1700	1076	728	-	936	2466	1644	1040	704	-	905	2355	1570	994	672	-	864	1909	1273	806	545	-	700
106	41.1	Q[Btu/h]	20887	18720	14040	9360	-	8562	19012	17040	12780	8520	-	7794	18075	16200	12150	8100	-	7410	14259	12780	9585	6390	-	5846
		W	2577	1644	1040	704	-	903	2488	1587	1005	679	-	872	2324	1482	938	634	-	814	1874	1195	757	512	-	657
102	38.9	Q[Btu/h]	21820	19080	14310	9540	-	8763	19853	17360	13020	8680	-	7973	18526	16200	12150	8100	-	7440	14615	12780	9585	6390	-	5869
		W	2561	1587	1005	679	-	871	2470	1530	969	655	-	840	2250	1394	883	597	-	765	1805	1118	708	479	-	613
98	36.7	Q[Btu/h]	22297	19440	14580	9720	-	8961	20278	17680	13260	8840	-	8149	18581	16200	12150	8100	-	7467	14658	12780	9585	6390	-	5891
		W	2448	1530	969	655	-	839	2358	1474	933	631	-	808	2090	1306	827	559	-	716	1665	1041	659	445	-	570
94	34.4	Q[Btu/h]	22440	19800	14850	9900	-	9165	20400	18000	13500	9000	-	8332	18360	16200	12150	8100	-	7498	14484	12780	9585	6390	-	5915
		W	2392	1474	933	631	-	805	2300	1417	897	606	-	774	1978	1219	771	522	-	666	1564	964	610	412	-	527
90	32.2	Q[Btu/h]	22440	19800	14850	9900	-	9353	20400	18000	13500	9000	-	8503	18360	16200	12150	8100	-	7652	14484	12780	9585	6390	-	6037
		W	2392	1474	933	631	-	773	2300	1417	897	606	-	743	1978	1219	771	522	-	639	1564	964	610	412	-	505
86	30	Q[Btu/h]	22440	19800	14850	9900	-	9539	20400	18000	13500	9000	-	8672	18360	16200	12150	8100	-	7805	14484	12780	9585	6390	-	6157
		W	2392	1474	933	631	-	740	2300	1417	897	606	-	712	1978	1219	771	522	-	612	1564	964	610	412	-	484
82	27.8	Q[Btu/h]	22440	19800	14850	9900	-	9726	20400	18000	13500	9000	-	8842	18360	16200	12150	8100	-	7958	14484	12780	9585	6390	-	6278
		W	2392	1474	933	631	-	708	2300	1417	897	606	-	681	1978	1219	771	522	-	585	1564	964	610	412	-	463
78	25.6	Q[Btu/h]	22440	19800	14850	-	-	9907	20400	18000	13500	-	-	9007	18360	16200	12150	-	-	8106	14484	12780	9585	-	-	6395
		W	2392	1474	933	-	-	676	2300	1417	897	-	-	650	1978	1219	771	-	-	559	1564	964	610	-	-	442
74	23.3	Q[Btu/h]	22440	19800	14850	-	-	10096	20400	18000	13500	-	-	9179	18360	16200	12150	-	-	8261	14484	12780	9585	-	-	6517
		W	2392	1474	933	-	-	643	2300	1417	897	-	-	618	1978	1219	771	-	-	532	1564	964	610	-	-	420
70	21.1	Q[Btu/h]	22440	19800	14850	-	-	10275	20400	18000	13500	-	-	9341	18360	16200	12150	-	-	8407	14484	12780	9585	-	-	6632
		W	2392	1474	933	-	-	611	2300	1417	897	-	-	588	1978	1219	771	-	-	506	1564	964	610	-	-	400
66	18.9	Q[Btu/h]	22440	19800	14850	-	-	10452	20400	18000	13500	-	-	9502	18360	16200	12150	-	-	8552	14484	12780	9585	-	-	6746
		W	2392	1474	933	-	-	580	2300	1417	897	-	-	558	1978	1219	771	-	-	480	1564	964	610	-	-	379
62	16.7	Q[Btu/h]	22440	19800	14850	-	-	10627	20400	18000	13500	-	-	9661	18360	16200	12150	-	-	8694	14484	12780	9585	-	-	6859
		W	2392	1474	933	-	-	549	2300	1417	897	-	-	528	1978	1219	771	-	-	454	1564	964	610	-	-	359
58	14.4	Q[Btu/h]	22440	19800	14850	-	-	10808	20400	18000	13500	-	-	9825	18360	16200	12150	-	-	8843	14484	12780	9585	-	-	6976
		W	2392	1474	933	-	-	549	2300	1417	897	-	-	528	1978	1219	771	-	-	454	1564	964	610	-	-	359
54	12.2	Q[Btu/h]	22440	19800	14850	-	-	10868	20400	18000	13500	-	-	9880	18360	16200	12150	-	-	8892	14484	12780	9585	-	-	7015
		W	2392	1474	933	-	-	487	2300	1417	897	-	-	468	1978	1219	771	-	-	402	1564	964	610	-	-	318
50	10	Q[Btu/h]	22440	19800	14850	-	-	11146	20400	18000	13500	-	-	10133	18360	16200	12150	-	-	9120	14484	12780	9585	-	-	7194
		W	2392	1474	933	-	-	456	2300	1417	897	-	-	438	1978	1219	771	-	-	377	1564	964	610	-	-	298
46	7.8	Q[Btu/h]	22440	19800	14850	-	-	11312	20400	18000	13500	-	-	10284	18360	16200	12150	-	-	9256	14484	12780	9585	-	-	7302
		W	2392	1474	933	-	-	426	2300	1417	897	-	-	410	1978	1219	771	-	-	353	1564	964	610	-	-	279
42	5.6	Q[Btu/h]	22440	19800	14850	-	-	11477	20400	18000	13500	-	-	10434	18360	16200	12150	-	-	9391	14484	12780	9585	-	-	7408
		W	2392	1474	933	-	-	396	2300	1417	897	-	-	381	1978	1219	771	-	-	328	1564	964	610	-	-	259
38	3.3	Q[Btu/h]	22440	19800	14850	-	-	11648	20400	18000	13500	-	-	10589	18360	16200	12150	-	-	9530	14484	12780	9585	-	-	7518
		W	2392	1474	933	-	-	365	2300	1417	897	-	-	351	1978	1219	771	-	-	302	1564	964	610	-	-	239
34	1.1	Q[Btu/h]	22440	19800	14850	-	-	11146	20400	18000	13500	-	-	10133	18360	16200	12150	-	-	9119	14484	12780	9585	-	-	7194
		W	2392	1474	933	-	-	377	2300	1417	897	-	-	363	1978	1219	771	-	-	312	1564	964	610	-	-	247
30	-1.1	Q[Btu/h]	22440	19800	14850	-	-	11313	20400	18000	13500	-	-	10285	18360	16200	12150	-	-	9256	14484	12780	9585	-	-	7302
		W	2392	1474	933	-	-	347	2300	1417	897	-	-	334	1978	1219	771	-	-	287	1564	964	610	-	-	227
26	-3.3	Q[Btu/h]	22440	19800	14850	-	-	11487	20400	18000	13500	-	-	10443	18360	16200	12150	-	-	9398	14484	12780	9585	-	-	7414
		W	2392	1474	933	-	-	315	2300	1417	897	-	-	303	1978	1219	771	-	-	261	1564	964	610	-	-	206
22	-5.6	Q[Btu/h]	22440	19800	14850	-	-	11660	20400	18000	13500	-	-	10600	18360	16200	12150	-	-	9540	14484	12780	9585	-	-	7526
		W	2392	1474	933	-	-	284	2300	1417	897	-	-	273	1978	1219	771	-	-	235	1564	964	610	-	-	186
18	-7.8	Q[Btu/h]	22440	19800	14850	-	-	11823	20400	18000	13500	-	-	10748	18360	16200	12150	-	-	9674	14484	12780	9585	-	-	7631
		W	2392	1474	933	-	-	254	2300	1417	897	-	-	244	1978	1219	771	-	-	210	1564	964	610	-	-	166
14	-10	Q[Btu/h]	22440	19800	14850	-	-	11985	20400	18000	13500	-	-	10895	18360	16200	12150	-	-	9806	14484	12780	9585	-	-	7736
		W	2392	1474	933	-	-	225	2300	1417	897	-	-	216	1978	1219	771	-	-	186	1564	964	610	-	-	147

* It may not reach the above capacities in low ambient temperatures.
* An air outlet guide is needed for ambient temperatures below 41˚F.

MXZ-2C20NA2-U1
2) HEATING

Rated
Q(Btu/h): 22000
W: 1614

Max
Q(Btu/h): 25500

Indoor D.B.			80˚F / 26.7˚C						70°F / 21.1°C						60˚F / 15.6˚C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
65	18.3	Q[Btu/h]	23908	28087	21065	14043	-	13902	24738	29062	21796	14531	-	14385	25500	29957	22468	14978	-	14828
		W	2650	1948	1642	1040	-	1638	2550	1875	1580	1001	-	1576	2500	1838	1549	981	-	1545
60	15.6	Q[Btu/h]	23819	26498	19873	13249	-	12794	24707	27485	20614	13743	-	13270	25500	28368	21276	14184	-	13697
		W	2675	1896	1599	1013	-	1470	2575	1825	1539	975	-	1416	2500	1772	1494	946	-	1374
55	12.8	Q[Btu/h]	23719	24909	18682	12454	-	11695	24671	25909	19431	12954	-	12164	25500	26779	20084	13389	-	12573
		W	2700	1843	1554	984	-	1310	2625	1792	1511	957	-	1273	2500	1707	1439	911	-	1213
50	10.0	Q[Btu/h]	23607	23320	17490	-	-	13966	24631	24332	18249	-	-	14572	25500	25190	18893	-	-	15085
		W	2700	1790	1509	-	-	1681	2575	1707	1439	-	-	1603	2500	1657	1397	-	-	1556
45	7.2	Q[Btu/h]	23480	21731	16298	-	-	12590	24586	22755	17066	-	-	13183	25500	23601	17701	-	-	13673
		W	2725	1753	1478	-	-	1457	2575	1656	1396	-	-	1377	2500	1608	1356	-	-	1336
40	4.4	Q[Btu/h]	19857	18128	13596	-	-	11884	20878	19061	14296	-	-	12496	20912	19091	14318	-	-	12515
		W	2333	1699	1432	-	-	1271	2226	1621	1367	-	-	1213	2140	1559	1314	-	-	1166
35	1.7	Q[Btu/h]	17184	16698	-	-	-	14686	18155	17642	-	-	-	15516	18916	18381	-	-	-	16166
		W	1991	1625	-	-	-	1968	1901	1551	-	-	-	1878	1810	1477	-	-	-	1789
30	-1.1	Q[Btu/h]	16204	16116	-	-	-	13153	17217	17124	-	-	-	13975	17990	17893	-	-	-	14602
		W	1661	1534	-	-	-	1660	1601	1479	-	-	-	1600	1510	1395	-	-	-	1509
25	-3.9	Q[Btu/h]	14421	14607	-	-	-	11728	15427	15626	-	-	-	12546	16175	16383	-	-	-	13154
		W	1413	1465	-	-	-	1430	1338	1387	-	-	-	1354	1250	1296	-	-	-	1266
20	-6.7	Q[Btu/h]	12787	13097	-	-	-	13179	13794	14128	-	-	-	14217	14522	14874	-	-	-	14967
		W	1164	1335	-	-	-	1843	1102	1264	-	-	-	1745	1030	1182	-	-	-	1631
15	-9.4	Q[Btu/h]	11354	11588	-	-	-	11687	12376	12631	-	-	-	12739	13095	13364	-	-	-	13479
		W	961	1205	-	-	-	1526	910	1141	-	-	-	1445	850	1067	-	-	-	1351
10	-12.2	Q[Btu/h]	10003	10078	-	-	-	10282	11050	11133	-	-	-	11357	11767	11855	-	-	-	12094
		W	800	1066	-	-	-	1283	752	1002	-	-	-	1206	690	919	-	-	-	1106
5	-15.0	Q[Btu/h]	8779	8569	-	-	-	9008	9871	9635	-	-	-	10128	10599	10346	-	-	-	10875
		W	672	965	-	-	-	1085	622	893	-	-	-	1003	560	804	-	-	-	904

* Above data is for heating operation without any frost.

MXZ-3C24NA2-U1

1) COOLING

Rated Q(Btu/h): 22000 W: 1620

Max Q(Btu/h): 22000 W: 1620

Indoor W.B.			72°F / 22.2°C						67°F / 19.4°C						64°F / 17.8°C						61°F / 16.1°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																									
115	46.1	Q[Btu/h]	17380	17380	13035	8690	-	5942	16940	16940	12705	8470	-	5791	16720	16720	12540	8360	-	5716	15620	15620	11715	7810	-	5340
		W	1490	1490	943	638	-	592	1604	1604	1015	686	-	637	1652	1652	1046	707	-	656	1555	1555	984	666	-	618
110	43.3	Q[Btu/h]	22440	22440	16830	11220	-	6596	20240	20240	15180	10120	-	5949	19800	19800	14850	9900	-	5820	15620	15620	11715	7810	-	4591
		W	1863	1863	1179	797	-	620	1814	1814	1149	777	-	604	1750	1750	1107	749	-	582	1423	1423	901	609	-	473
106	41.1	Q[Btu/h]	22880	22880	17160	11440	-	6720	20680	20680	15510	10340	-	6074	19800	19800	14850	9900	-	5815	15620	15620	11715	7810	-	4588
		W	1814	1814	1149	777	-	593	1766	1766	1118	756	-	577	1652	1652	1046	707	-	540	1334	1334	845	571	-	436
102	38.9	Q[Btu/h]	23320	23320	17490	11660	-	6844	21120	21120	15840	10560	-	6198	19800	19800	14850	9900	-	5811	15620	15620	11715	7810	-	4584
		W	1766	1766	1118	756	-	567	1717	1717	1087	735	-	551	1555	1555	984	666	-	499	1246	1246	789	533	-	400
98	36.7	Q[Btu/h]	23760	23760	17820	11880	-	6967	21560	21560	16170	10780	-	6322	19800	19800	14850	9900	-	5806	15620	15620	11715	7810	-	4580
		W	1717	1717	1087	735	-	540	1669	1669	1056	714	-	525	1458	1458	923	624	-	459	1158	1158	733	495	-	364
94	34.4	Q[Btu/h]	24200	24200	18150	12100	-	7097	22000	22000	16500	11000	-	6452	19800	19800	14850	9900	-	5807	15620	15620	11715	7810	-	4581
		W	1669	1669	1056	714	-	512	1620	1620	1025	693	-	498	1361	1361	861	582	-	418	1069	1069	677	458	-	328
90	32.2	Q[Btu/h]	24200	24200	18150	12100	-	7234	22000	22000	16500	11000	-	6576	19800	19800	14850	9900	-	5919	15620	15620	11715	7810	-	4669
		W	1669	1669	1056	714	-	485	1620	1620	1025	693	-	471	1361	1361	861	582	-	396	1069	1069	677	458	-	311
86	30	Q[Btu/h]	24200	24200	18150	12100	-	7371	22000	22000	16500	11000	-	6701	19800	19800	14850	9900	-	6031	15620	15620	11715	7810	-	4758
		W	1669	1669	1056	714	-	458	1620	1620	1025	693	-	445	1361	1361	861	582	-	374	1069	1069	677	458	-	294
82	27.8	Q[Btu/h]	24200	24200	18150	12100	-	7508	22000	22000	16500	11000	-	6825	19800	19800	14850	9900	-	6143	15620	15620	11715	7810	-	4846
		W	1669	1669	1056	714	-	432	1620	1620	1025	693	-	419	1361	1361	861	582	-	352	1069	1069	677	458	-	277
78	25.6	Q[Btu/h]	24200	24200	18150	12100	-	7644	22000	22000	16500	11000	-	6949	19800	19800	14850	9900	-	6254	15620	15620	11715	7810	-	4934
		W	1669	1669	1056	714	-	405	1620	1620	1025	693	-	393	1361	1361	861	582	-	330	1069	1069	677	458	-	259
74	23.3	Q[Btu/h]	24200	24200	18150	12100	-	7787	22000	22000	16500	11000	-	7079	19800	19800	14850	9900	-	6371	15620	15620	11715	7810	-	5026
		W	1669	1669	1056	714	-	376	1620	1620	1025	693	-	365	1361	1361	861	582	-	307	1069	1069	677	458	-	241
70	21.1	Q[Btu/h]	24200	24200	18150	12100	-	7924	22000	22000	16500	11000	-	7203	19800	19800	14850	9900	-	6483	15620	15620	11715	7810	-	5114
		W	1669	1669	1056	714	-	349	1620	1620	1025	693	-	339	1361	1361	861	582	-	285	1069	1069	677	458	-	224
66	18.9	Q[Btu/h]	24200	24200	18150	12100	-	8061	22000	22000	16500	11000	-	7328	19800	19800	14850	9900	-	6595	15620	15620	11715	7810	-	5203
		W	1669	1669	1056	714	-	322	1620	1620	1025	693	-	313	1361	1361	861	582	-	263	1069	1069	677	458	-	207
62	16.7	Q[Btu/h]	24200	24200	18150	12100	-	8197	22000	22000	16500	11000	-	7452	19800	19800	14850	9900	-	6707	15620	15620	11715	7810	-	5291
		W	1669	1669	1056	714	-	295	1620	1620	1025	693	-	287	1361	1361	861	582	-	241	1069	1069	677	458	-	189
58	14.4	Q[Btu/h]	24200	24200	18150	12100	-	8340	22000	22000	16500	11000	-	7582	19800	19800	14850	9900	-	6824	15620	15620	11715	7810	-	5383
		W	1669	1669	1056	714	-	267	1620	1620	1025	693	-	259	1361	1361	861	582	-	218	1069	1069	677	458	-	171
54	12.2	Q[Btu/h]	24200	24200	18150	12100	-	8477	22000	22000	16500	11000	-	7706	19800	19800	14850	9900	-	6936	15620	15620	11715	7810	-	5471
		W	1669	1669	1056	714	-	240	1620	1620	1025	693	-	233	1361	1361	861	582	-	196	1069	1069	677	458	-	154
50	10	Q[Btu/h]	24200	24200	18150	12100	-	8614	22000	22000	16500	11000	-	7830	19800	19800	14850	9900	-	7047	15620	15620	11715	7810	-	5560
		W	1669	1669	1056	714	-	213	1620	1620	1025	693	-	207	1361	1361	861	582	-	174	1069	1069	677	458	-	137
46	7.8	Q[Btu/h]	24200	24200	18150	12100	-	8750	22000	22000	16500	11000	-	7955	19800	19800	14850	9900	-	7159	15620	15620	11715	7810	-	5648
		W	1669	1669	1056	714	-	186	1620	1620	1025	693	-	181	1361	1361	861	582	-	152	1069	1069	677	458	-	119
42	5.6	Q[Btu/h]	24200	24200	18150	12100	-	8887	22000	22000	16500	11000	-	8079	19800	19800	14850	9900	-	7271	15620	15620	11715	7810	-	5736
		W	1669	1669	1056	714	-	159	1620	1620	1025	693	-	155	1361	1361	861	582	-	130	1069	1069	677	458	-	102
38	3.3	Q[Btu/h]	24200	24200	18150	12100	-	9030	22000	22000	16500	11000	-	8209	19800	19800	14850	9900	-	7388	15620	15620	11715	7810	-	5828
		W	1669	1669	1056	714	-	131	1620	1620	1025	693	-	127	1361	1361	861	582	-	107	1069	1069	677	458	-	84
34	1.1	Q[Btu/h]	24200	24200	18150	12100	-	9167	22000	22000	16500	11000	-	8333	19800	19800	14850	9900	-	7500	15620	15620	11715	7810	-	5917
		W	1669	1669	1056	714	-	104	1620	1620	1025	693	-	101	1361	1361	861	582	-	85	1069	1069	677	458	-	67
30	-1.1	Q[Btu/h]	24200	24200	18150	12100	-	9303	22000	22000	16500	11000	-	8457	19800	19800	14850	9900	-	7612	15620	15620	11715	7810	-	6005
		W	1669	1669	1056	714	-	77	1620	1620	1025	693	-	75	1361	1361	861	582	-	63	1069	1069	677	458	-	49
26	-3.3	Q[Btu/h]	24200	24200	18150	12100	-	9440	22000	22000	16500	11000	-	8582	19800	19800	14850	9900	-	7724	15620	15620	11715	7810	-	6093
		W	1669	1669	1056	714	-	77	1620	1620	1025	693	-	75	1361	1361	861	582	-	63	1069	1069	677	458	-	49
22	-5.6	Q[Btu/h]	24200	24200	18150	12100	-	9440	22000	22000	16500	11000	-	8582	19800	19800	14850	9900	-	7724	15620	15620	11715	7810	-	6093
		W	1669	1669	1056	714	-	77	1620	1620	1025	693	-	75	1361	1361	861	582	-	63	1069	1069	677	458	-	49
18	-7.8	Q[Btu/h]	24200	24200	18150	12100	-	9440	22000	22000	16500	11000	-	8582	19800	19800	14850	9900	-	7724	15620	15620	11715	7810	-	6093
		W	1669	1669	1056	714	-	77	1620	1620	1025	693	-	75	1361	1361	861	582	-	63	1069	1069	677	458	-	49
14	-10	Q[Btu/h]	24200	24200	18150	12100	-	9440	22000	22000	16500	11000	-	8582	19800	19800	14850	9900	-	7724	15620	15620	11715	7810	-	6093
		W	1669	1669	1056	714	-	77	1620	1620	1025	693	-	75	1361	1361	861	582	-	63	1069	1069	677	458	-	49

* It may not reach the above capacities in low ambient temperatures.
* An air outlet guide is needed for ambient temperatures below 41˚F.

MXZ-3C24NA2-U1
2) HEATING

Rated Q(Btu/h): 25000 W: 1750
Max Q(Btu/h): 30600 W: 2580

Indoor D.B.			80˚F / 26.7˚C						70°F / 21.1°C						60˚F / 15.6˚C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
65	18.3	Q[Btu/h]	28690	31917	23938	15958	-	13402	29686	33025	24769	16512	-	13867	30600	34042	25531	17021	-	14294
		W	2735	2059	1736	1100	-	864	2632	1981	1670	1058	-	832	2580	1943	1638	1037	-	816
60	15.6	Q[Btu/h]	28583	30111	22583	15056	-	12479	29648	31233	23425	15617	-	12944	30600	32236	24177	16118	-	13360
		W	2761	2004	1689	1070	-	849	2657	1929	1626	1030	-	818	2580	1873	1579	1000	-	794
55	12.8	Q[Btu/h]	28463	28306	21229	14153	-	11526	29606	29442	22081	14721	-	11988	30600	30431	22823	15215	-	12391
		W	2786	2017	1700	1077	-	833	2657	1924	1622	1027	-	795	2580	1868	1574	997	-	772
50	10.0	Q[Btu/h]	28328	26500	19875	13250	-	10574	29558	27650	20737	13825	-	11033	30600	28625	21469	14313	-	11422
		W	2786	1909	1609	1019	-	809	2683	1838	1550	982	-	779	2580	1768	1490	944	-	749
45	7.2	Q[Btu/h]	28175	24694	18521	12347	-	9625	29503	25858	19394	12929	-	10079	30600	26819	20115	13410	-	10453
		W	2812	1876	1582	1002	-	792	2683	1790	1509	956	-	756	2580	1721	1451	919	-	727
40	4.4	Q[Btu/h]	23556	20600	15450	10300	-	8679	24768	21660	16245	10830	-	9125	25743	22513	16884	11256	-	9484
		W	2742	1822	1536	973	-	768	2616	1738	1465	928	-	732	2516	1671	1409	892	-	704
35	1.7	Q[Btu/h]	22104	18975	14231	9488	-	7767	23354	20047	15036	10024	-	8206	24332	20888	15666	10444	-	8550
		W	2658	1669	1407	891	-	744	2536	1593	1342	850	-	710	2439	1531	1291	818	-	683
30	-1.1	Q[Btu/h]	22078	18314	13735	-	-	10611	23459	19459	14594	-	-	11275	24512	20333	15249	-	-	11781
		W	2594	1629	1374	-	-	1235	2476	1555	1311	-	-	1179	2358	1481	1249	-	-	1123
25	-3.9	Q[Btu/h]	21147	16599	12449	-	-	10009	22623	17757	13318	-	-	10707	23719	18617	13963	-	-	11226
		W	2506	1518	1280	-	-	1212	2392	1449	1222	-	-	1157	2278	1380	1163	-	-	1101
20	-6.7	Q[Btu/h]	20522	14883	11163	-	-	9396	22138	16055	12041	-	-	10136	23306	16902	12677	-	-	10671
		W	2484	1446	1219	-	-	1221	2352	1370	1155	-	-	1156	2198	1280	1079	-	-	1080
15	-9.4	Q[Btu/h]	20174	13168	9876	-	-	8789	21989	14353	10765	-	-	9579	23267	15187	11390	-	-	10136
		W	2397	1256	1059	-	-	1197	2270	1189	1002	-	-	1134	2121	1111	937	-	-	1060
10	-12.2	Q[Btu/h]	20062	11453	-	-	-	11194	22161	12651	-	-	-	12365	23599	13472	-	-	-	13167
		W	2306	917	-	-	-	1801	2184	868	-	-	-	1705	2041	811	-	-	-	1594
5	-15.0	Q[Btu/h]	19307	9738	-	-	-	10736	21709	10949	-	-	-	12071	23310	11756	-	-	-	12962
		W	2353	966	-	-	-	1858	2177	894	-	-	-	1719	1961	805	-	-	-	1548

* Above data is for heating operation without any frost.

MXZ-3C30NA2-U1

Rated Q(Btu/h): 28400 W: 2680 **Max** Q(Btu/h): 28400 W: 2680

1) COOLING

Indoor W.B.			72°F / 22.2°C						67°F / 19.4°C						64°F / 17.8°C						61°F / 16.1°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																									
115	46.1	Q[Btu/h]	22436	22436	16827	11218	-	7427	21868	21868	16401	10934	-	7239	21584	21584	16188	10792	-	7145	20164	20164	15123	10082	-	6675
		W	2466	2466	1561	1055	-	740	2653	2653	1679	1136	-	796	2734	2734	1730	1170	-	820	2573	2573	1629	1101	-	772
110	43.3	Q[Btu/h]	28968	28968	21726	14484	-	8245	26128	26128	19596	13064	-	7437	25560	25560	19170	12780	-	7275	20164	20164	15123	10082	-	5739
		W	3082	3082	1951	1319	-	775	3002	3002	1900	1285	-	754	2894	2894	1832	1239	-	727	2354	2354	1490	1007	-	592
106	41.1	Q[Btu/h]	29536	29536	22152	14768	-	8400	26696	26696	20022	13348	-	7592	25560	25560	19170	12780	-	7269	20164	20164	15123	10082	-	5735
		W	3002	3002	1900	1285	-	742	2921	2921	1849	1250	-	722	2734	2734	1730	1170	-	675	2207	2207	1397	945	-	545
102	38.9	Q[Btu/h]	30104	30104	22578	15052	-	8555	27264	27264	20448	13632	-	7748	25560	25560	19170	12780	-	7263	20164	20164	15123	10082	-	5730
		W	2921	2921	1849	1250	-	708	2841	2841	1798	1216	-	689	2573	2573	1629	1101	-	624	2061	2061	1305	882	-	500
98	36.7	Q[Btu/h]	30672	30672	23004	15336	-	8709	27832	27832	20874	13916	-	7903	25560	25560	19170	12780	-	7258	20164	20164	15123	10082	-	5726
		W	2841	2841	1798	1216	-	675	2760	2760	1747	1181	-	656	2412	2412	1527	1032	-	573	1915	1915	1212	820	-	455
94	34.4	Q[Btu/h]	31240	31240	23430	15620	-	8872	28400	28400	21300	14200	-	8065	25560	25560	19170	12780	-	7259	20164	20164	15123	10082	-	5726
		W	2760	2760	1747	1181	-	641	2680	2680	1696	1147	-	622	2251	2251	1425	964	-	522	1769	1769	1120	757	-	410
90	32.2	Q[Btu/h]	31240	31240	23430	15620	-	9043	28400	28400	21300	14200	-	8221	25560	25560	19170	12780	-	7399	20164	20164	15123	10082	-	5837
		W	2760	2760	1747	1181	-	607	2680	2680	1696	1147	-	589	2251	2251	1425	964	-	495	1769	1769	1120	757	-	389
86	30	Q[Btu/h]	31240	31240	23430	15620	-	9214	28400	28400	21300	14200	-	8376	25560	25560	19170	12780	-	7538	20164	20164	15123	10082	-	5947
		W	2760	2760	1747	1181	-	573	2680	2680	1696	1147	-	556	2251	2251	1425	964	-	467	1769	1769	1120	757	-	367
82	27.8	Q[Btu/h]	31240	31240	23430	15620	-	9384	28400	28400	21300	14200	-	8531	25560	25560	19170	12780	-	7678	20164	20164	15123	10082	-	6057
		W	2760	2760	1747	1181	-	539	2680	2680	1696	1147	-	524	2251	2251	1425	964	-	440	1769	1769	1120	757	-	346
78	25.6	Q[Btu/h]	31240	31240	23430	15620	-	9555	28400	28400	21300	14200	-	8687	25560	25560	19170	12780	-	7818	20164	20164	15123	10082	-	6167
		W	2760	2760	1747	1181	-	506	2680	2680	1696	1147	-	491	2251	2251	1425	964	-	412	1769	1769	1120	757	-	324
74	23.3	Q[Btu/h]	31240	31240	23430	15620	-	9734	28400	28400	21300	14200	-	8849	25560	25560	19170	12780	-	7964	20164	20164	15123	10082	-	6283
		W	2760	2760	1747	1181	-	470	2680	2680	1696	1147	-	457	2251	2251	1425	964	-	384	1769	1769	1120	757	-	301
70	21.1	Q[Btu/h]	31240	31240	23430	15620	-	9905	28400	28400	21300	14200	-	9004	25560	25560	19170	12780	-	8104	20164	20164	15123	10082	-	6393
		W	2760	2760	1747	1181	-	437	2680	2680	1696	1147	-	424	2251	2251	1425	964	-	356	1769	1769	1120	757	-	280
66	18.9	Q[Btu/h]	31240	31240	23430	15620	-	10076	28400	28400	21300	14200	-	9160	25560	25560	19170	12780	-	8244	20164	20164	15123	10082	-	6503
		W	2760	2760	1747	1181	-	403	2680	2680	1696	1147	-	391	2251	2251	1425	964	-	329	1769	1769	1120	757	-	258
62	16.7	Q[Btu/h]	31240	31240	23430	15620	-	10247	28400	28400	21300	14200	-	9315	25560	25560	19170	12780	-	8384	20164	20164	15123	10082	-	6614
		W	2760	2760	1747	1181	-	369	2680	2680	1696	1147	-	358	2251	2251	1425	964	-	301	1769	1769	1120	757	-	237
58	14.4	Q[Btu/h]	31240	31240	23430	15620	-	10425	28400	28400	21300	14200	-	9477	25560	25560	19170	12780	-	8530	20164	20164	15123	10082	-	6729
		W	2760	2760	1747	1181	-	334	2680	2680	1696	1147	-	324	2251	2251	1425	964	-	272	1769	1769	1120	757	-	214
54	12.2	Q[Btu/h]	31240	31240	23430	15620	-	10596	28400	28400	21300	14200	-	9633	25560	25560	19170	12780	-	8669	20164	20164	15123	10082	-	6839
		W	2760	2760	1747	1181	-	300	2680	2680	1696	1147	-	291	2251	2251	1425	964	-	245	1769	1769	1120	757	-	192
50	10	Q[Btu/h]	31240	31240	23430	15620	-	10767	28400	28400	21300	14200	-	9788	25560	25560	19170	12780	-	8809	20164	20164	15123	10082	-	6950
		W	2760	2760	1747	1181	-	267	2680	2680	1696	1147	-	259	2251	2251	1425	964	-	217	1769	1769	1120	757	-	171
46	7.8	Q[Btu/h]	31240	31240	23430	15620	-	10938	28400	28400	21300	14200	-	9943	25560	25560	19170	12780	-	8949	20164	20164	15123	10082	-	7060
		W	2760	2760	1747	1181	-	233	2680	2680	1696	1147	-	226	2251	2251	1425	964	-	190	1769	1769	1120	757	-	149
42	5.6	Q[Btu/h]	31240	31240	23430	15620	-	11109	28400	28400	21300	14200	-	10099	25560	25560	19170	12780	-	9089	20164	20164	15123	10082	-	7170
		W	2760	2760	1747	1181	-	199	2680	2680	1696	1147	-	193	2251	2251	1425	964	-	162	1769	1769	1120	757	-	128
38	3.3	Q[Btu/h]	31240	31240	23430	15620	-	11287	28400	28400	21300	14200	-	10261	25560	25560	19170	12780	-	9235	20164	20164	15123	10082	-	7285
		W	2760	2760	1747	1181	-	164	2680	2680	1696	1147	-	159	2251	2251	1425	964	-	134	1769	1769	1120	757	-	105
34	1.1	Q[Btu/h]	31240	31240	23430	15620	-	11458	28400	28400	21300	14200	-	10416	25560	25560	19170	12780	-	9375	20164	20164	15123	10082	-	7396
		W	2760	2760	1747	1181	-	130	2680	2680	1696	1147	-	126	2251	2251	1425	964	-	106	1769	1769	1120	757	-	83
30	-1.1	Q[Btu/h]	31240	31240	23430	15620	-	11629	28400	28400	21300	14200	-	10572	25560	25560	19170	12780	-	9515	20164	20164	15123	10082	-	7506
		W	2760	2760	1747	1181	-	96	2680	2680	1696	1147	-	94	2251	2251	1425	964	-	79	1769	1769	1120	757	-	62
26	-3.3	Q[Btu/h]	31240	31240	23430	15620	-	11800	28400	28400	21300	14200	-	10727	25560	25560	19170	12780	-	9654	20164	20164	15123	10082	-	7616
		W	2760	2760	1747	1181	-	96	2680	2680	1696	1147	-	94	2251	2251	1425	964	-	79	1769	1769	1120	757	-	62
22	-5.6	Q[Btu/h]	31240	31240	23430	15620	-	11800	28400	28400	21300	14200	-	10727	25560	25560	19170	12780	-	9654	20164	20164	15123	10082	-	7616
		W	2760	2760	1747	1181	-	96	2680	2680	1696	1147	-	94	2251	2251	1425	964	-	79	1769	1769	1120	757	-	62
18	-7.8	Q[Btu/h]	31240	31240	23430	15620	-	11800	28400	28400	21300	14200	-	10727	25560	25560	19170	12780	-	9654	20164	20164	15123	10082	-	7616
		W	2760	2760	1747	1181	-	96	2680	2680	1696	1147	-	94	2251	2251	1425	964	-	79	1769	1769	1120	757	-	62
14	-10	Q[Btu/h]	31240	31240	23430	15620	-	11800	28400	28400	21300	14200	-	10727	25560	25560	19170	12780	-	9654	20164	20164	15123	10082	-	7616
		W	2760	2760	1747	1181	-	96	2680	2680	1696	1147	-	94	2251	2251	1425	964	-	79	1769	1769	1120	757	-	62

* It may not reach the above capacities in low ambient temperatures.
* An air outlet guide is needed for ambient temperatures below 41˚F.

MXZ-3C30NA2-U1
2) HEATING

Rated Q(Btu/h): 28600 W: 2150
Max Q(Btu/h): 36000 W: 3300

Indoor D.B.			80˚F / 26.7˚C						70°F / 21.1°C						60˚F / 15.6˚C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
65	18.3	Q[Btu/h]	33753	36513	27385	18256	-	16752	34925	37781	28335	18890	-	17334	36000	38944	29208	19472	-	17868
		W	3498	2530	2133	1351	-	1081	3366	2434	2052	1300	-	1040	3300	2387	2012	1274	-	1019
60	15.6	Q[Btu/h]	33627	34447	25835	17224	-	15599	34880	35731	26798	17865	-	16180	36000	36878	27659	18439	-	16700
		W	3531	2462	2075	1314	-	1062	3399	2370	1998	1265	-	1022	3300	2301	1939	1228	-	992
55	12.8	Q[Btu/h]	33486	32382	24286	16191	-	14407	34830	33681	25261	16841	-	14985	36000	34813	26109	17406	-	15489
		W	3564	2453	2068	1310	-	1042	3399	2340	1972	1249	-	993	3300	2272	1915	1213	-	964
50	10.0	Q[Btu/h]	33328	30316	22737	15158	-	13218	34774	31632	23724	15816	-	13791	36000	32747	24560	16374	-	14278
		W	3564	2345	1977	1252	-	1011	3432	2258	1904	1206	-	974	3300	2172	1831	1160	-	936
45	7.2	Q[Btu/h]	33148	28250	21188	14125	-	12031	34710	29582	22186	14791	-	12598	36000	30681	23011	15341	-	13067
		W	3597	2293	1933	1224	-	990	3432	2187	1844	1168	-	945	3300	2103	1773	1123	-	908
40	4.4	Q[Btu/h]	27713	23566	17675	11783	-	10848	29139	24779	18584	12390	-	11407	30286	25754	19316	12877	-	11856
		W	3516	2238	1887	1195	-	960	3354	2135	1800	1140	-	916	3225	2053	1731	1096	-	880
35	1.7	Q[Btu/h]	26005	21707	16281	10854	-	9709	27475	22934	17201	11467	-	10258	28626	23895	17921	11948	-	10688
		W	3408	2051	1729	1095	-	930	3251	1957	1649	1045	-	887	3126	1881	1586	1005	-	853
30	-1.1	Q[Btu/h]	25975	20951	15713	-	-	13264	27599	22261	16696	-	-	14093	28838	23261	17445	-	-	14726
		W	3326	2014	1698	-	-	1544	3175	1923	1621	-	-	1474	3024	1831	1544	-	-	1404
25	-3.9	Q[Btu/h]	24879	18989	14242	-	-	12511	26616	20314	15236	-	-	13384	27905	21298	15974	-	-	14032
		W	3213	1852	1562	-	-	1515	3067	1768	1491	-	-	1446	2921	1684	1420	-	-	1377
20	-6.7	Q[Btu/h]	24144	17027	12770	-	-	11746	26045	18367	13775	-	-	12670	27419	19336	14502	-	-	13339
		W	3185	1790	1509	-	-	1526	3016	1695	1429	-	-	1445	2818	1584	1335	-	-	1350
15	-9.4	Q[Btu/h]	23734	15064	11298	-	-	10986	25870	16420	12315	-	-	11974	27373	17374	13030	-	-	12670
		W	3073	1543	1301	-	-	1497	2910	1461	1231	-	-	1417	2719	1365	1151	-	-	1324
10	-12.2	Q[Btu/h]	23603	13102	-	-	-	13992	26072	14473	-	-	-	15456	27763	15411	-	-	-	16458
		W	2957	1204	-	-	-	2251	2800	1140	-	-	-	2131	2617	1065	-	-	-	1992
5	-15.0	Q[Btu/h]	22860	11140	-	-	-	13420	25704	12525	-	-	-	15089	27600	13449	-	-	-	16202
		W	3017	1187	-	-	-	2322	2790	1098	-	-	-	2148	2514	989	-	-	-	1935

* Above data is for heating operation without any frost.

MXZ-4C36NA2-U1

Rated Q(Btu/h): 35400 W: 3760 **Max** Q(Btu/h): 36400 W: 3960

1) COOLING

Indoor W.B.			72°F / 22.2°C						67°F / 19.4°C						64°F / 17.8°C						61°F / 16.1°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																									
115	46.1	Q[Btu/h]	29645	27966	20974.5	13983		- 8913	28895	27258	20443.5	13629		- 8687	28520	26904	20178	13452		- 8574	26643	25134	18850.5	12567		- 8010
		W	3520	3459	2190	1481		- 888	3788	3722	2356	1593		- 955	3902	3835	2428	1641		- 984	3673	3610	2285	1545		- 926
110	43.3	Q[Btu/h]	34292	36108	27081	18054		- 9894	30930	32568	24426	16284		- 8924	30258	31860	23895	15930		- 8730	23870	25134	18850.5	12567		- 6887
		W	3982	4324	2737	1851		- 930	3878	4211	2666	1802		- 905	3740	4061	2570	1738		- 873	3041	3302	2090	1413		- 710
106	41.1	Q[Btu/h]	36234	36816	27612	18408		-10080	32750	33276	24957	16638		- 9111	31357	31860	23895	15930		- 8723	24737	25134	18850.5	12567		- 6881
		W	4114	4211	2666	1802		- 890	4004	4098	2594	1754		- 866	3747	3835	2428	1641		- 810	3025	3097	1960	1325		- 654
102	38.9	Q[Btu/h]	38159	37524	28143	18762		-10265	34559	33984	25488	16992		- 9297	32399	31860	23895	15930		- 8716	25559	25134	18850.5	12567		- 6876
		W	4239	4098	2594	1754		- 850	4122	3986	2523	1706		- 827	3733	3610	2285	1545		- 749	2991	2892	1830	1238		- 600
98	36.7	Q[Btu/h]	39486	38232	28674	19116		-10451	35830	34692	26019	17346		- 9483	32905	31860	23895	15930		- 8709	25959	25134	18850.5	12567		- 6871
		W	4206	3986	2523	1706		- 810	4087	3873	2451	1658		- 787	3571	3384	2142	1448		- 688	2835	2687	1701	1150		- 546
94	34.4	Q[Btu/h]	40040	38940	29205	19470		-10646	36400	35400	26550	17700		- 9678	32760	31860	23895	15930		- 8710	25844	25134	18850.5	12567		- 6872
		W	4079	3873	2451	1658		- 769	3960	3760	2380	1609		- 746	3326	3158	1999	1352		- 627	2614	2482	1571	1062		- 493
90	32.2	Q[Btu/h]	40040	38940	29205	19470		-10851	36400	35400	26550	17700		- 9865	32760	31860	23895	15930		- 8878	25844	25134	18850.5	12567		- 7004
		W	4079	3873	2451	1658		- 728	3960	3760	2380	1609		- 707	3326	3158	1999	1352		- 594	2614	2482	1571	1062		- 467
86	30	Q[Btu/h]	40040	38940	29205	19470		-11056	36400	35400	26550	17700		-10051	32760	31860	23895	15930		- 9046	25844	25134	18850.5	12567		- 7136
		W	4079	3873	2451	1658		- 688	3960	3760	2380	1609		- 668	3326	3158	1999	1352		- 561	2614	2482	1571	1062		- 441
82	27.8	Q[Btu/h]	40040	38940	29205	19470		-11261	36400	35400	26550	17700		-10238	32760	31860	23895	15930		- 9214	25844	25134	18850.5	12567		- 7269
		W	4079	3873	2451	1658		- 647	3960	3760	2380	1609		- 628	3326	3158	1999	1352		- 528	2614	2482	1571	1062		- 415
78	25.6	Q[Btu/h]	40040	38940	29205	19470		-11466	36400	35400	26550	17700		-10424	32760	31860	23895	15930		- 9382	25844	25134	18850.5	12567		- 7401
		W	4079	3873	2451	1658		- 607	3960	3760	2380	1609		- 589	3326	3158	1999	1352		- 495	2614	2482	1571	1062		- 389
74	23.3	Q[Btu/h]	40040	38940	29205	19470		-11681	36400	35400	26550	17700		-10619	32760	31860	23895	15930		- 9557	25844	25134	18850.5	12567		- 7539
		W	4079	3873	2451	1658		- 564	3960	3760	2380	1609		- 548	3326	3158	1999	1352		- 460	2614	2482	1571	1062		- 362
70	21.1	Q[Btu/h]	40040	38940	29205	19470		-11886	36400	35400	26550	17700		-10805	32760	31860	23895	15930		- 9725	25844	25134	18850.5	12567		- 7672
		W	4079	3873	2451	1658		- 524	3960	3760	2380	1609		- 509	3326	3158	1999	1352		- 427	2614	2482	1571	1062		- 336
66	18.9	Q[Btu/h]	40040	38940	29205	19470		-12091	36400	35400	26550	17700		-10992	32760	31860	23895	15930		- 9892	25844	25134	18850.5	12567		- 7804
		W	4079	3873	2451	1658		- 484	3960	3760	2380	1609		- 469	3326	3158	1999	1352		- 394	2614	2482	1571	1062		- 310
62	16.7	Q[Btu/h]	40040	38940	29205	19470		-12296	36400	35400	26550	17700		-11178	32760	31860	23895	15930		-10060	25844	25134	18850.5	12567		- 7936
		W	4079	3873	2451	1658		- 443	3960	3760	2380	1609		- 430	3326	3158	1999	1352		- 361	2614	2482	1571	1062		- 284
58	14.4	Q[Btu/h]	40040	38940	29205	19470		-12510	36400	35400	26550	17700		-11373	32760	31860	23895	15930		-10236	25844	25134	18850.5	12567		- 8075
		W	4079	3873	2451	1658		- 401	3960	3760	2380	1609		- 389	3326	3158	1999	1352		- 327	2614	2482	1571	1062		- 257
54	12.2	Q[Btu/h]	40040	38940	29205	19470		-12715	36400	35400	26550	17700		-11559	32760	31860	23895	15930		-10403	25844	25134	18850.5	12567		- 8207
		W	4079	3873	2451	1658		- 360	3960	3760	2380	1609		- 350	3326	3158	1999	1352		- 294	2614	2482	1571	1062		- 231
50	10	Q[Btu/h]	40040	38940	29205	19470		-12920	36400	35400	26550	17700		-11746	32760	31860	23895	15930		-10571	25844	25134	18850.5	12567		- 8339
		W	4079	3873	2451	1658		- 320	3960	3760	2380	1609		- 310	3326	3158	1999	1352		- 261	2614	2482	1571	1062		- 205
46	7.8	Q[Btu/h]	40040	38940	29205	19470		-13125	36400	35400	26550	17700		-11932	32760	31860	23895	15930		-10739	25844	25134	18850.5	12567		- 8472
		W	4079	3873	2451	1658		- 279	3960	3760	2380	1609		- 271	3326	3158	1999	1352		- 228	2614	2482	1571	1062		- 179
42	5.6	Q[Btu/h]	40040	38940	29205	19470		-13330	36400	35400	26550	17700		-12119	32760	31860	23895	15930		-10907	25844	25134	18850.5	12567		- 8604
		W	4079	3873	2451	1658		- 239	3960	3760	2380	1609		- 232	3326	3158	1999	1352		- 195	2614	2482	1571	1062		- 153
38	3.3	Q[Btu/h]	40040	38940	29205	19470		-13545	36400	35400	26550	17700		-12313	32760	31860	23895	15930		-11082	25844	25134	18850.5	12567		- 8743
		W	4079	3873	2451	1658		- 197	3960	3760	2380	1609		- 191	3326	3158	1999	1352		- 160	2614	2482	1571	1062		- 126
34	1.1	Q[Btu/h]	40040	38940	29205	19470		-13750	36400	35400	26550	17700		-12500	32760	31860	23895	15930		-11250	25844	25134	18850.5	12567		- 8875
		W	4079	3873	2451	1658		- 156	3960	3760	2380	1609		- 152	3326	3158	1999	1352		- 127	2614	2482	1571	1062		- 100
30	-1.1	Q[Btu/h]	40040	38940	29205	19470		-13955	36400	35400	26550	17700		-12686	32760	31860	23895	15930		-11418	25844	25134	18850.5	12567		- 9007
		W	4079	3873	2451	1658		- 116	3960	3760	2380	1609		- 112	3326	3158	1999	1352		- 94	2614	2482	1571	1062		- 74
26	-3.3	Q[Btu/h]	40040	38940	29205	19470		-14160	36400	35400	26550	17700		-12873	32760	31860	23895	15930		-11585	25844	25134	18850.5	12567		- 9140
		W	4079	3873	2451	1658		- 116	3960	3760	2380	1609		- 112	3326	3158	1999	1352		- 94	2614	2482	1571	1062		- 74
22	-5.6	Q[Btu/h]	40040	38940	29205	19470		-14160	36400	35400	26550	17700		-12873	32760	31860	23895	15930		-11585	25844	25134	18850.5	12567		- 9140
		W	4079	3873	2451	1658		- 116	3960	3760	2380	1609		- 112	3326	3158	1999	1352		- 94	2614	2482	1571	1062		- 74
18	-7.8	Q[Btu/h]	40040	38940	29205	19470		-14160	36400	35400	26550	17700		-12873	32760	31860	23895	15930		-11585	25844	25134	18850.5	12567		- 9140
		W	4079	3873	2451	1658		- 116	3960	3760	2380	1609		- 112	3326	3158	1999	1352		- 94	2614	2482	1571	1062		- 74
14	-10	Q[Btu/h]	40040	38940	29205	19470		-14160	36400	35400	26550	17700		-12873	32760	31860	23895	15930		-11585	25844	25134	18850.5	12567		- 9140
		W	4079	3873	2451	1658		- 116	3960	3760	2380	1609		- 112	3326	3158	1999	1352		- 94	2614	2482	1571	1062		- 74

* It may not reach the above capacities in low ambient temperatures.
* An air outlet guide is needed for ambient temperatures below 41˚F.

MXZ-4C36NA2-U1
2) HEATING

Rated Q(Btu/h): 36000 W: 3020
Max Q(Btu/h): 43000 W: 4020

Indoor D.B.			80˚F / 26.7˚C						70°F / 21.1°C						60˚F / 15.6˚C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
65	18.3	Q[Btu/h]	47408	45960	34470	22980	-	20103	49054	47556	35667	23778	-	20801	50565	49020	36765	24510	-	21441
		W	4713	3553	2995	1897	-	1297	4536	3419	2882	1826	-	1248	4447	3352	2826	1790	-	1223
60	15.6	Q[Btu/h]	43369	43360	32520	21680	-	18719	44986	44976	33732	22488	-	19416	46430	46420	34815	23210	-	20040
		W	4632	3458	2915	1846	-	1274	4459	3328	2806	1777	-	1227	4329	3231	2724	1726	-	1191
55	12.8	Q[Btu/h]	39633	40760	30570	20380	-	17289	41224	42396	31797	21198	-	17983	42609	43820	32865	21910	-	18587
		W	4543	3402	2868	1817	-	1250	4333	3245	2735	1733	-	1192	4207	3150	2656	1682	-	1157
50	10.0	Q[Btu/h]	36347	38160	28620	19080	-	15861	37924	39816	29862	19908	-	16550	39262	41220	30915	20610	-	17133
		W	4411	3294	2777	1759	-	1214	4248	3172	2674	1694	-	1169	4084	3050	2571	1629	-	1124
45	7.2	Q[Btu/h]	33506	35560	26670	17780	-	14438	35085	37236	27927	18618	-	15118	36389	38620	28965	19310	-	15680
		W	4319	3198	2696	1708	-	1188	4121	3051	2572	1629	-	1134	3962	2934	2473	1567	-	1090
40	4.4	Q[Btu/h]	27993	29664	22248	14832	-	13018	29434	31190	23393	15595	-	13688	30592	32418	24314	16209	-	14227
		W	4185	3144	2650	1679	-	1151	3993	2999	2529	1602	-	1099	3840	2884	2431	1540	-	1056
35	1.7	Q[Btu/h]	26268	27324	20493	13662	-	11651	27752	28868	21651	14434	-	12310	28915	30078	22559	15039	-	12825
		W	4057	2880	2428	1538	-	1116	3871	2748	2317	1468	-	1065	3722	2643	2228	1411	-	1024
30	-1.1	Q[Btu/h]	26237	26372	19779	-	-	15917	27878	28021	21016	-	-	16912	29129	29279	21959	-	-	17671
		W	3960	2852	2404	-	-	1853	3780	2722	2295	-	-	1768	3600	2593	2185	-	-	1684
25	-3.9	Q[Btu/h]	25131	23902	17927	-	-	15013	26885	25570	19178	-	-	16061	28187	26809	20107	-	-	16839
		W	3825	2580	2175	-	-	1817	3651	2462	2076	-	-	1735	3477	2345	1977	-	-	1652
20	-6.7	Q[Btu/h]	24388	21432	16074	-	-	14095	26308	23119	17339	-	-	15204	27696	24339	18254	-	-	16006
		W	3791	2537	2139	-	-	1831	3590	2402	2025	-	-	1734	3355	2245	1893	-	-	1620
15	-9.4	Q[Btu/h]	23974	18962	14222	-	-	13183	26131	20668	15501	-	-	14369	27649	21869	16402	-	-	15204
		W	3658	2167	1827	-	-	1796	3464	2052	1730	-	-	1701	3237	1918	1617	-	-	1589
10	-12.2	Q[Btu/h]	23841	16492	-	-	-	16790	26335	18217	-	-	-	18547	28043	19399	-	-	-	19750
		W	3520	1828	-	-	-	2701	3333	1731	-	-	-	2558	3115	1618	-	-	-	2390
5	-15.0	Q[Btu/h]	23100	14022	-	-	-	16104	25973	15766	-	-	-	18107	27888	16929	-	-	-	19442
		W	3591	1667	-	-	-	2787	3322	1542	-	-	-	2578	2993	1389	-	-	-	2322

* Above data is for heating operation without any frost.

MXZ-5C42NA2-U1

Rated Q(Btu/h): 40500 W: 4403 **Max** Q(Btu/h): 43000

1) COOLING

Indoor W.B.			72°F / 22.2°C						67°F / 19.4°C						64°F / 17.8°C						61°F / 16.1°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																									
115	46.1	Q[Btu/h]	41193	32400	24300	16200		-13953	39649	31185	23389	15593		-13430	39134	30780	23085	15390		-13255	36044	28350	21263	14175		-12209
		W	5213	3434	2174	1470		-1357	5748	3787	2397	1621		-1497	5948	3919	2481	1677		-1549	5614	3699	2341	1583		-1462
110	43.3	Q[Btu/h]	43628	40176	30132	20088		-14817	40901	37665	28249	18833		-13891	37822	34830	26123	17415		-12845	30786	28350	21263	14175		-10456
		W	5322	4773	3021	2043		-1340	5597	5019	3177	2148		-1409	5014	4496	2846	1924		-1262	3732	3346	2118	1432		-939
106	41.1	Q[Btu/h]	46187	42525	31894	21263		-15750	41788	38475	28856	19238		-14250	37830	34830	26123	17415		-12900	30791	28350	21263	14175		-10500
		W	5612	5019	3177	2148		-1389	5415	4843	3066	2073		-1340	4786	4281	2710	1832		-1185	3544	3170	2007	1357		-877
102	38.9	Q[Btu/h]	47140	42930	32198	21465		-16128	42693	38880	29160	19440		-14606	38245	34830	26123	17415		-13085	31130	28350	21263	14175		-10650
		W	5418	4931	3122	2111		-1319	5224	4755	3010	2035		-1272	4585	4173	2642	1786		-1116	3386	3082	1951	1319		-824
98	36.7	Q[Btu/h]	47827	43740	32805	21870		-16487	43398	39690	29768	19845		-14960	38084	34830	26123	17415		-13128	30999	28350	21263	14175		-10686
		W	5153	4755	3010	2035		-1250	4962	4579	2899	1960		-1204	4289	3958	2505	1694		-1040	3149	2906	1839	1244		-764
94	34.4	Q[Btu/h]	48180	44550	33413	22275		-16860	43800	40500	30375	20250		-15327	37668	34830	26123	17415		-13181	30660	28350	21263	14175		-10729
		W	4857	4579	2899	1960		-1178	4670	4403	2787	1884		-1133	3970	3743	2369	1602		-963	2895	2730	1728	1168		-702
90	32.2	Q[Btu/h]	48180	44550	33413	22275		-17241	43800	40500	30375	20250		-15673	37668	34830	26123	17415		-13479	30660	28350	21263	14175		-10971
		W	4857	4579	2899	1960		-1108	4670	4403	2787	1884		-1065	3970	3743	2369	1602		-906	2895	2730	1728	1168		-661
86	30	Q[Btu/h]	48180	44550	33413	22275		-17618	43800	40500	30375	20250		-16017	37668	34830	26123	17415		-13774	30660	28350	21263	14175		-11212
		W	4857	4579	2899	1960		-1038	4670	4403	2787	1884		-998	3970	3743	2369	1602		-849	2895	2730	1728	1168		-619
82	27.8	Q[Btu/h]	48180	44550	33413	22275		-17998	43800	40500	30375	20250		-16361	37668	34830	26123	17415		-14071	30660	28350	21263	14175		-11453
		W	4857	4579	2899	1960		-968	4670	4403	2787	1884		-931	3970	3743	2369	1602		-791	2895	2730	1728	1168		-577
78	25.6	Q[Btu/h]	48180	44550	33413	22275		-18373	43800	40500	30375	20250		-16702	37668	34830	26123	17415		-14364	30660	28350	21263	14175		-11692
		W	4857	4579	2899	1960		-898	4670	4403	2787	1884		-863	3970	3743	2369	1602		-734	2895	2730	1728	1168		-535
74	23.3	Q[Btu/h]	48180	44550	33413	22275		-18763	43800	40500	30375	20250		-17057	37668	34830	26123	17415		-14669	30660	28350	21263	14175		-11940
		W	4857	4579	2899	1960		-825	4670	4403	2787	1884		-793	3970	3743	2369	1602		-674	2895	2730	1728	1168		-492
70	21.1	Q[Btu/h]	48180	44550	33413	22275		-19133	43800	40500	30375	20250		-17394	37668	34830	26123	17415		-14959	30660	28350	21263	14175		-12176
		W	4857	4579	2899	1960		-755	4670	4403	2787	1884		-726	3970	3743	2369	1602		-617	2895	2730	1728	1168		-450
66	18.9	Q[Btu/h]	48180	44550	33413	22275		-19501	43800	40500	30375	20250		-17728	37668	34830	26123	17415		-15246	30660	28350	21263	14175		-12410
		W	4857	4579	2899	1960		-686	4670	4403	2787	1884		-659	3970	3743	2369	1602		-561	2895	2730	1728	1168		-409
62	16.7	Q[Btu/h]	48180	44550	33413	22275		-19867	43800	40500	30375	20250		-18061	37668	34830	26123	17415		-15532	30660	28350	21263	14175		-12642
		W	4857	4579	2899	1960		-617	4670	4403	2787	1884		-593	3970	3743	2369	1602		-504	2895	2730	1728	1168		-368
58	14.4	Q[Btu/h]	48180	44550	33413	22275		-20246	43800	40500	30375	20250		-18405	37668	34830	26123	17415		-15828	30660	28350	21263	14175		-12884
		W	4857	4579	2899	1960		-544	4670	4403	2787	1884		-524	3970	3743	2369	1602		-445	2895	2730	1728	1168		-325
54	12.2	Q[Btu/h]	48180	44550	33413	22275		-20606	43800	40500	30375	20250		-18733	37668	34830	26123	17415		-16110	30660	28350	21263	14175		-13113
		W	4857	4579	2899	1960		-476	4670	4403	2787	1884		-457	3970	3743	2369	1602		-389	2895	2730	1728	1168		-284
50	10	Q[Btu/h]	48180	44550	33413	22275		-20963	43800	40500	30375	20250		-19057	37668	34830	26123	17415		-16389	30660	28350	21263	14175		-13340
		W	4857	4579	2899	1960		-407	4670	4403	2787	1884		-391	3970	3743	2369	1602		-333	2895	2730	1728	1168		-243
46	7.8	Q[Btu/h]	48180	44550	33413	22275		-21318	43800	40500	30375	20250		-19380	37668	34830	26123	17415		-16667	30660	28350	21263	14175		-13566
		W	4857	4579	2899	1960		-339	4670	4403	2787	1884		-326	3970	3743	2369	1602		-277	2895	2730	1728	1168		-202
42	5.6	Q[Btu/h]	48180	44550	33413	22275		-20500	43800	40500	30375	20250		-18636	37668	34830	26123	17415		-16027	30660	28350	21263	14175		-13045
		W	4857	4579	2899	1960		-452	4670	4403	2787	1884		-435	3970	3743	2369	1602		-370	2895	2730	1728	1168		-270
38	3.3	Q[Btu/h]	48180	44550	33413	22275		-20878	43800	40500	30375	20250		-18980	37668	34830	26123	17415		-16323	30660	28350	21263	14175		-13286
		W	4857	4579	2899	1960		-380	4670	4403	2787	1884		-365	3970	3743	2369	1602		-310	2895	2730	1728	1168		-226
34	1.1	Q[Btu/h]	48180	44550	33413	22275		-20868	43800	40500	30375	20250		-18971	37668	34830	26123	17415		-16315	30660	28350	21263	14175		-13280
		W	4857	4579	2899	1960		-385	4670	4403	2787	1884		-370	3970	3743	2369	1602		-315	2895	2730	1728	1168		-229
30	-1.1	Q[Btu/h]	48180	44550	33413	22275		-19445	43800	40500	30375	20250		-17677	37668	34830	26123	17415		-15202	30660	28350	21263	14175		-12374
		W	4857	4579	2899	1960		-658	4670	4403	2787	1884		-633	3970	3743	2369	1602		-538	2895	2730	1728	1168		-392
26	-3.3	Q[Btu/h]	48180	44550	33413	22275		-19822	43800	40500	30375	20250		-18020	37668	34830	26123	17415		-15497	30660	28350	21263	14175		-12614
		W	4857	4579	2899	1960		-587	4670	4403	2787	1884		-564	3970	3743	2369	1602		-479	2895	2730	1728	1168		-350
22	-5.6	Q[Btu/h]	48180	44550	33413	22275		-20212	43800	40500	30375	20250		-18374	37668	34830	26123	17415		-15802	30660	28350	21263	14175		-12862
		W	4857	4579	2899	1960		-512	4670	4403	2787	1884		-493	3970	3743	2369	1602		-419	2895	2730	1728	1168		-305
18	-7.8	Q[Btu/h]	48180	44550	33413	22275		-20583	43800	40500	30375	20250		-18711	37668	34830	26123	17415		-16092	30660	28350	21263	14175		-13098
		W	4857	4579	2899	1960		-442	4670	4403	2787	1884		-425	3970	3743	2369	1602		-361	2895	2730	1728	1168		-263
14	-10	Q[Btu/h]	48180	44550	33413	22275		-20952	43800	40500	30375	20250		-19047	37668	34830	26123	17415		-16380	30660	28350	21263	14175		-13333
		W	4857	4579	2899	1960		-371	4670	4403	2787	1884		-357	3970	3743	2369	1602		-303	2895	2730	1728	1168		-221

* It may not reach the above capacities in low ambient temperatures.
* An air outlet guide is needed for ambient temperatures below 41˚F.

MXZ-5C42NA2-U1
2) HEATING

Rated
Q(Btu/h): 45000
W: 3575

Max
Q(Btu/h): 53600

Indoor D.B.			80˚F / 26.7˚C						70°F / 21.1°C						60˚F / 15.6˚C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
65	18.3	Q[Btu/h]	49353	54003	40502	27002	-	24012	51679	55878	41909	27939	-	24846	53600	57599	43199	28799	-	25611
		W	6714	4522	3812	2415	-	1442	6406	4353	3670	2324	-	1389	6160	4226	3563	2257	-	1348
60	15.6	Q[Btu/h]	49353	50948	38211	25474	-	22397	51679	52847	39635	26423	-	23232	53600	54544	40908	27272	-	23977
		W	6714	4359	3675	2328	-	1407	6406	4196	3537	2241	-	1355	6160	4074	3434	2175	-	1315
55	12.8	Q[Btu/h]	49353	47893	35920	23947	-	20727	51679	49815	37361	24908	-	21559	53600	51489	38616	25744	-	22283
		W	6714	4153	3501	2218	-	1384	6406	3961	3339	2115	-	1320	6160	3845	3242	2053	-	1281
50	10.0	Q[Btu/h]	49353	44838	33629	22419	-	19060	51679	46784	35088	23392	-	19888	53600	48434	36325	24217	-	20589
		W	6714	4038	3404	2156	-	1347	6406	3889	3278	2076	-	1297	6160	3739	3152	1997	-	1248
45	7.2	Q[Btu/h]	49353	41783	31337	20892	-	17398	51679	43752	32814	21876	-	18218	53600	45379	34034	22689	-	18895
		W	6714	3905	3292	2085	-	1323	6406	3726	3141	1990	-	1262	6160	3583	3020	1913	-	1214
40	4.4	Q[Btu/h]	40982	34855	26141	17428	-	15739	43091	36649	27487	18324	-	16549	44787	38091	28568	19046	-	17200
		W	6433	3963	3341	2116	-	1286	6138	3781	3188	2019	-	1227	5902	3636	3065	1942	-	1180
35	1.7	Q[Btu/h]	37993	32106	24079	16053	-	14141	40140	33920	25440	16960	-	14941	41822	35342	26506	17671	-	15567
		W	6093	3598	3033	1921	-	1239	5868	3465	2921	1850	-	1193	5642	3331	2808	1779	-	1147
30	-1.1	Q[Btu/h]	37222	30987	23240	-	-	17756	39549	32925	24694	-	-	18867	41325	34403	25802	-	-	19713
		W	5802	3713	3130	-	-	1702	5588	3575	3014	-	-	1639	5373	3438	2898	-	-	1576
25	-3.9	Q[Btu/h]	34714	28085	21064	-	-	16503	37136	30045	22534	-	-	17655	38936	31501	23625	-	-	18510
		W	5460	2982	2514	-	-	1653	5307	2899	2444	-	-	1607	5103	2787	2350	-	-	1545
20	-6.7	Q[Btu/h]	32562	25183	18887	-	-	15240	35125	27165	20374	-	-	16440	36979	28598	21449	-	-	17307
		W	5172	3096	2610	-	-	1621	5027	3009	2537	-	-	1575	4834	2894	2439	-	-	1515
15	-9.4	Q[Btu/h]	30781	22280	16710	-	-	14001	33551	24285	18214	-	-	15261	35500	25696	19272	-	-	16147
		W	4894	2587	2181	-	-	1590	4894	2587	2181	-	-	1590	4574	2418	2038	-	-	1486
10	-12.2	Q[Btu/h]	29238	19378	-	-	-	17313	32297	21405	-	-	-	19124	34392	22794	-	-	-	20364
		W	4563	2224	-	-	-	2201	4434	2161	-	-	-	2139	4305	2098	-	-	-	2076
5	-15.0	Q[Btu/h]	27926	16476	-	-	-	19414	31399	18525	-	-	-	21829	33715	19892	-	-	-	23439
		W	4277	1856	-	-	-	2725	4156	1804	-	-	-	2648	4035	1751	-	-	-	2571

* Above data is for heating operation without any frost.

MXZ-2C20NAHZ2-U1

Rated Q(Btu/h): 18000 W: 1334 **Max** Q(Btu/h): 20000 W: 2680

1) COOLING

Indoor W.B.			72°F / 22.2°C						67°F / 19.4°C						64°F / 17.8°C						61°F / 16.1°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																									
115	46.1	Q[Btu/h]	18583	14400	10800	-	-	11603	17886	13860	10395	-	-	11168	17653	13680	10260	-	-	11023	16260	12600	9450	-	-	10153
		W	3086	1041	659	-	-	1186	3403	1147	726	-	-	1308	3521	1187	752	-	-	1354	3324	1121	709	-	-	1277
110	43.3	Q[Btu/h]	19613	17856	13392	-	-	12140	18388	16740	12555	-	-	11382	17004	15480	11610	-	-	10525	13840	12600	9450	-	-	8567
		W	3064	1446	915	-	-	1197	3223	1521	963	-	-	1259	2886	1362	862	-	-	1128	2148	1014	642	-	-	839
106	41.1	Q[Btu/h]	20759	18900	14175	-	-	12765	18782	17100	12825	-	-	11550	17002	15480	11610	-	-	10455	13839	12600	9450	-	-	8510
		W	3193	1521	963	-	-	1265	3081	1467	929	-	-	1221	2723	1297	821	-	-	1079	2017	960	608	-	-	799
102	38.9	Q[Btu/h]	21174	19080	14310	-	-	12938	19176	17280	12960	-	-	11718	17179	15480	11610	-	-	10497	13983	12600	9450	-	-	8544
		W	3048	1494	946	-	-	1226	2939	1441	912	-	-	1182	2579	1264	800	-	-	1038	1905	934	591	-	-	766
98	36.7	Q[Btu/h]	21567	19440	14580	-	-	13098	19570	17640	13230	-	-	11886	17174	15480	11610	-	-	10430	13979	12600	9450	-	-	8490
		W	2905	1441	912	-	-	1188	2798	1387	878	-	-	1144	2418	1199	759	-	-	989	1776	880	557	-	-	726
94	34.4	Q[Btu/h]	22000	19800	14850	-	-	13267	20000	18000	13500	-	-	12061	17200	15480	11610	-	-	10373	14000	12600	9450	-	-	8443
		W	2787	1387	878	-	-	1148	2680	1334	844	-	-	1104	2278	1134	718	-	-	938	1662	827	524	-	-	684
90	32.2	Q[Btu/h]	22000	19800	14850	-	-	13452	20000	18000	13500	-	-	12229	17200	15480	11610	-	-	10517	14000	12600	9450	-	-	8560
		W	2787	1387	878	-	-	1108	2680	1334	844	-	-	1066	2278	1134	718	-	-	906	1662	827	524	-	-	661
86	30	Q[Btu/h]	22000	19800	14850	-	-	13637	20000	18000	13500	-	-	12397	17200	15480	11610	-	-	10662	14000	12600	9450	-	-	8678
		W	2787	1387	878	-	-	1068	2680	1334	844	-	-	1027	2278	1134	718	-	-	873	1662	827	524	-	-	637
82	27.8	Q[Btu/h]	22000	19800	14850	-	-	13822	20000	18000	13500	-	-	12565	17200	15480	11610	-	-	10806	14000	12600	9450	-	-	8796
		W	2787	1387	878	-	-	1029	2680	1334	844	-	-	989	2278	1134	718	-	-	841	1662	827	524	-	-	613
78	25.6	Q[Btu/h]	22000	19800	14850	-	-	14007	20000	18000	13500	-	-	12733	17200	15480	11610	-	-	10951	14000	12600	9450	-	-	8913
		W	2787	1387	878	-	-	989	2680	1334	844	-	-	951	2278	1134	718	-	-	808	1662	827	524	-	-	589
74	23.3	Q[Btu/h]	22000	19800	14850	-	-	14200	20000	18000	13500	-	-	12909	17200	15480	11610	-	-	11102	14000	12600	9450	-	-	9036
		W	2787	1387	878	-	-	947	2680	1334	844	-	-	911	2278	1134	718	-	-	774	1662	827	524	-	-	565
70	21.1	Q[Btu/h]	22000	19800	14850	-	-	14384	20000	18000	13500	-	-	13077	17200	15480	11610	-	-	11246	14000	12600	9450	-	-	9154
		W	2787	1387	878	-	-	907	2680	1334	844	-	-	872	2278	1134	718	-	-	741	1662	827	524	-	-	541
66	18.9	Q[Btu/h]	22000	19800	14850	-	-	14569	20000	18000	13500	-	-	13245	17200	15480	11610	-	-	11391	14000	12600	9450	-	-	9271
		W	2787	1387	878	-	-	867	2680	1334	844	-	-	834	2278	1134	718	-	-	709	1662	827	524	-	-	517
62	16.7	Q[Btu/h]	22000	19800	14850	-	-	14754	20000	18000	13500	-	-	13413	17200	15480	11610	-	-	11535	14000	12600	9450	-	-	9389
		W	2787	1387	878	-	-	827	2680	1334	844	-	-	796	2278	1134	718	-	-	676	1662	827	524	-	-	493
58	14.4	Q[Btu/h]	22000	19800	-	-	-	14947	20000	18000	-	-	-	13588	17200	15480	-	-	-	11686	14000	12600	-	-	-	9512
		W	2787	1387	-	-	-	786	2680	1334	-	-	-	756	2278	1134	-	-	-	642	1662	827	-	-	-	468
54	12.2	Q[Btu/h]	22000	19800	-	-	-	15132	20000	18000	-	-	-	13756	17200	15480	-	-	-	11831	14000	12600	-	-	-	9629
		W	2787	1387	-	-	-	746	2680	1334	-	-	-	717	2278	1134	-	-	-	610	1662	827	-	-	-	445
50	10	Q[Btu/h]	22000	19800	-	-	-	15317	20000	18000	-	-	-	13924	17200	15480	-	-	-	11975	14000	12600	-	-	-	9747
		W	2787	1387	-	-	-	706	2680	1334	-	-	-	679	2278	1134	-	-	-	577	1662	827	-	-	-	421
46	7.8	Q[Btu/h]	22000	19800	-	-	-	15502	20000	18000	-	-	-	14092	17200	15480	-	-	-	12119	14000	12600	-	-	-	9865
		W	2787	1387	-	-	-	666	2680	1334	-	-	-	641	2278	1134	-	-	-	544	1662	827	-	-	-	397
42	5.6	Q[Btu/h]	22000	19800	-	-	-	15686	20000	18000	-	-	-	14260	17200	15480	-	-	-	12264	14000	12600	-	-	-	9982
		W	2787	1387	-	-	-	626	2680	1334	-	-	-	602	2278	1134	-	-	-	512	1662	827	-	-	-	373
38	3.3	Q[Btu/h]	22000	19800	-	-	-	15880	20000	18000	-	-	-	14436	17200	15480	-	-	-	12415	14000	12600	-	-	-	10105
		W	2787	1387	-	-	-	585	2680	1334	-	-	-	562	2278	1134	-	-	-	478	1662	827	-	-	-	348
34	1.1	Q[Btu/h]	22000	19800	-	-	-	16064	20000	18000	-	-	-	14604	17200	15480	-	-	-	12559	14000	12600	-	-	-	10223
		W	2787	1387	-	-	-	545	2680	1334	-	-	-	524	2278	1134	-	-	-	445	1662	827	-	-	-	325
30	-1.1	Q[Btu/h]	22000	19800	-	-	-	16249	20000	18000	-	-	-	14772	17200	15480	-	-	-	12704	14000	12600	-	-	-	10340
		W	2787	1387	-	-	-	505	2680	1334	-	-	-	485	2278	1134	-	-	-	413	1662	827	-	-	-	301
26	-3.3	Q[Btu/h]	22000	19800	-	-	-	16434	20000	18000	-	-	-	14940	17200	15480	-	-	-	12848	14000	12600	-	-	-	10458
		W	2787	1387	-	-	-	465	2680	1334	-	-	-	447	2278	1134	-	-	-	380	1662	827	-	-	-	277
22	-5.6	Q[Btu/h]	22000	19800	-	-	-	16627	20000	18000	-	-	-	15116	17200	15480	-	-	-	12999	14000	12600	-	-	-	10581
		W	2787	1387	-	-	-	423	2680	1334	-	-	-	407	2278	1134	-	-	-	346	1662	827	-	-	-	252
18	-7.8	Q[Btu/h]	22000	19800	-	-	-	16812	20000	18000	-	-	-	15284	17200	15480	-	-	-	13144	14000	12600	-	-	-	10699
		W	2787	1387	-	-	-	383	2680	1334	-	-	-	369	2278	1134	-	-	-	313	1662	827	-	-	-	229
14	-10	Q[Btu/h]	22000	19800	-	-	-	16997	20000	18000	-	-	-	15452	17200	15480	-	-	-	13288	14000	12600	-	-	-	10816
		W	2787	1387	-	-	-	344	2680	1334	-	-	-	330	2278	1134	-	-	-	281	1662	827	-	-	-	205

* It may not reach the above capacities in low ambient temperatures.
* An air outlet guide is needed for ambient temperatures below 41˚F.

MXZ-2C20NAHZ2-U1
2) HEATING

Rated Q(Btu/h): 22000 W: 1612 **Max** Q(Btu/h): 25500 W: 3650

Indoor D.B.			80˚F / 26.7˚C						70°F / 21.1°C						60˚F / 15.6˚C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
65	18.3	Q[Btu/h]	37925	27614	20711	-	-	17793	39317	28627	21471	-	-	18446	40493	29484	22113	-	-	18998
		W	3338	1897	1599	-	-	1065	3213	1826	1540	-	-	1026	3119	1773	1495	-	-	996
60	15.6	Q[Btu/h]	34415	26178	19634	-	-	16433	35746	27191	20393	-	-	17069	36873	28048	21036	-	-	17607
		W	3185	1837	1549	-	-	1044	3066	1768	1491	-	-	1005	2977	1717	1447	-	-	976
55	12.8	Q[Btu/h]	31200	24742	18557	-	-	15028	32478	25755	19316	-	-	15644	33559	26612	19959	-	-	16164
		W	3056	1753	1477	-	-	1031	2915	1671	1409	-	-	983	2830	1623	1368	-	-	955
50	10.0	Q[Btu/h]	28412	23306	17479	-	-	13628	29648	24319	18239	-	-	14221	30692	25176	18882	-	-	14722
		W	2897	1645	1386	-	-	1008	2790	1584	1335	-	-	971	2682	1523	1284	-	-	934
47	7.2	Q[Btu/h]	26099	22444	16833	-	-	12258	27278	23457	17593	-	-	12811	28274	24314	18236	-	-	13279
		W	2763	1632	1376	-	-	995	2636	1557	1313	-	-	949	2535	1498	1262	-	-	913
42	4.4	Q[Btu/h]	21738	18907	14180	-	-	10869	22787	19819	14864	-	-	11394	23673	20590	15443	-	-	11837
		W	2602	1687	1422	-	-	972	2483	1609	1357	-	-	927	2388	1548	1305	-	-	892
35	1.7	Q[Btu/h]	24347	18909	14182	-	-	17584	25495	19800	14850	-	-	18412	26515	20592	15444	-	-	19149
		W	3517	1956	1649	-	-	1652	3386	1884	1588	-	-	1591	3256	1811	1527	-	-	1530
32	-1.1	Q[Btu/h]	24810	19960	14970	-	-	16350	25979	20900	15675	-	-	17121	27018	21736	16302	-	-	17806
		W	3363	2064	1740	-	-	1607	3239	1988	1676	-	-	1547	3114	1911	1611	-	-	1488
27	-3.9	Q[Btu/h]	23317	19960	14970	-	-	15251	24416	20900	15675	-	-	15969	25392	21736	16302	-	-	16608
		W	3187	2066	1742	-	-	1553	3098	2008	1693	-	-	1509	2979	1931	1628	-	-	1451
22	-6.7	Q[Btu/h]	22024	19960	14970	-	-	14281	23062	20900	15675	-	-	14954	23984	21736	16302	-	-	15552
		W	3058	2173	1832	-	-	1520	2973	2112	1781	-	-	1478	2858	2031	1712	-	-	1421
17	-9.4	Q[Btu/h]	20975	19960	14970	-	-	13478	21964	20900	15675	-	-	14113	22842	21736	16302	-	-	14678
		W	2947	2280	1922	-	-	1495	2947	2280	1922	-	-	1495	2754	2131	1797	-	-	1397
12	-12.2	Q[Btu/h]	24102	19960	14970	-	-	15134	25237	20900	15675	-	-	15847	26247	21736	16302	-	-	16481
		W	3675	2560	2158	-	-	1780	3571	2487	2097	-	-	1730	3467	2415	2036	-	-	1680
5	-15.0	Q[Btu/h]	23511	19960	14970	-	-	14559	24619	20900	15675	-	-	15245	25603	21736	16302	-	-	15855
		W	3499	2666	2247	-	-	1748	3400	2590	2184	-	-	1699	3301	2515	2120	-	-	1649
2	-17.8	Q[Btu/h]	23405	19298	-	-	-	17480	24521	20217	-	-	-	18313	25501	21025	-	-	-	19045
		W	3903	2991	-	-	-	2491	3611	2766	-	-	-	2305	3253	2492	-	-	-	2076
-3	-20.6	Q[Btu/h]	23334	16540	-	-	-	17164	24509	17373	-	-	-	18027	25485	18065	-	-	-	18746
		W	3247	2542	-	-	-	2143	3155	2470	-	-	-	2083	3063	2398	-	-	-	2022
-8	-23.3	Q[Btu/h]	23074	13782	-	-	-	17147	24322	14528	-	-	-	18074	25286	15104	-	-	-	18791
		W	2971	2442	-	-	-	2083	2887	2373	-	-	-	2024	2803	2304	-	-	-	1965
-13	-26.1	Q[Btu/h]	22740	-	-	-	-	17188	24079	-	-	-	-	18117	25112	-	-	-	-	17836
		W	2719	-	-	-	-	2024	2805	-	-	-	-	1966	2565	-	-	-	-	1909

* Above data is for heating operation without any frost.

MXZ-3C24NAHZ2-U1

Rated Q(Btu/h): 22000 W: 1630 **Max** Q(Btu/h): 23600 W: 3770

1) COOLING

Indoor W.B.			72°F / 22.2°C						67°F / 19.4°C						64°F / 17.8°C						61°F / 16.1°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																									
115	46.1	Q[Btu/h]	23200	17600	13200	-	-	10735	22330	16940	12705	-	-	10333	22040	16720	12540	-	-	10198	20300	15400	11550	-	-	9393
		W	3894	1271	805	-	-	1246	4293	1402	887	-	-	1373	4443	1451	918	-	-	1421	4194	1369	867	-	-	1341
110	43.3	Q[Btu/h]	24714	21824	16368	-	-	11285	23169	20460	15345	-	-	10580	21425	18920	14190	-	-	9784	17439	15400	11550	-	-	7964
		W	3959	1767	1118	-	-	1243	4164	1858	1176	-	-	1307	3729	1664	1054	-	-	1171	2776	1239	784	-	-	872
106	41.1	Q[Btu/h]	26337	23100	17325	-	-	11909	23828	20900	15675	-	-	10775	21571	18920	14190	-	-	9754	17558	15400	11550	-	-	7939
		W	4209	1858	1176	-	-	1301	4062	1793	1135	-	-	1256	3590	1585	1003	-	-	1110	2658	1174	743	-	-	822
102	38.9	Q[Btu/h]	27039	23320	17490	-	-	12112	24488	21120	15840	-	-	10969	21937	18920	14190	-	-	9827	17856	15400	11550	-	-	7998
		W	4106	1826	1156	-	-	1248	3960	1760	1114	-	-	1204	3475	1545	978	-	-	1056	2566	1141	722	-	-	780
98	36.7	Q[Btu/h]	27713	23760	17820	-	-	12303	25147	21560	16170	-	-	11164	22068	18920	14190	-	-	9797	17962	15400	11550	-	-	7974
		W	4006	1760	1114	-	-	1196	3858	1695	1073	-	-	1152	3334	1465	927	-	-	996	2448	1076	681	-	-	731
94	34.4	Q[Btu/h]	28420	24200	18150	-	-	12504	25837	22000	16500	-	-	11367	22219	18920	14190	-	-	9776	18086	15400	11550	-	-	7957
		W	3901	1695	1073	-	-	1142	3751	1630	1032	-	-	1098	3188	1386	877	-	-	933	2326	1011	640	-	-	681
90	32.2	Q[Btu/h]	25960	24200	18150	-	-	12718	23600	22000	16500	-	-	11561	20296	18920	14190	-	-	9943	16520	15400	11550	-	-	8093
		W	3921	1695	1073	-	-	1088	3770	1630	1032	-	-	1046	3205	1386	877	-	-	889	2337	1011	640	-	-	649
86	30	Q[Btu/h]	25960	24200	18150	-	-	12932	23600	22000	16500	-	-	11756	20296	18920	14190	-	-	10110	16520	15400	11550	-	-	8229
		W	3921	1695	1073	-	-	1034	3770	1630	1032	-	-	994	3205	1386	877	-	-	845	2337	1011	640	-	-	617
82	27.8	Q[Btu/h]	25960	24200	18150	-	-	13145	23600	22000	16500	-	-	11950	20296	18920	14190	-	-	10277	16520	15400	11550	-	-	8365
		W	3921	1695	1073	-	-	980	3770	1630	1032	-	-	943	3205	1386	877	-	-	801	2337	1011	640	-	-	584
78	25.6	Q[Btu/h]	25960	24200	18150	-	-	13359	23600	22000	16500	-	-	12145	20296	18920	14190	-	-	10445	16520	15400	11550	-	-	8501
		W	3921	1695	1073	-	-	926	3770	1630	1032	-	-	891	3205	1386	877	-	-	757	2337	1011	640	-	-	552
74	23.3	Q[Btu/h]	25960	24200	18150	-	-	13583	23600	22000	16500	-	-	12348	20296	18920	14190	-	-	10619	16520	15400	11550	-	-	8644
		W	3921	1695	1073	-	-	870	3770	1630	1032	-	-	837	3205	1386	877	-	-	711	2337	1011	640	-	-	519
70	21.1	Q[Btu/h]	25960	24200	18150	-	-	13797	23600	22000	16500	-	-	12543	20296	18920	14190	-	-	10787	16520	15400	11550	-	-	8780
		W	3921	1695	1073	-	-	816	3770	1630	1032	-	-	785	3205	1386	877	-	-	667	2337	1011	640	-	-	487
66	18.9	Q[Btu/h]	25960	24200	18150	-	-	14011	23600	22000	16500	-	-	12737	20296	18920	14190	-	-	10954	16520	15400	11550	-	-	8916
		W	3921	1695	1073	-	-	762	3770	1630	1032	-	-	733	3205	1386	877	-	-	623	2337	1011	640	-	-	455
62	16.7	Q[Btu/h]	25960	24200	18150	-	-	14225	23600	22000	16500	-	-	12932	20296	18920	14190	-	-	11121	16520	15400	11550	-	-	9052
		W	3921	1695	1073	-	-	709	3770	1630	1032	-	-	681	3205	1386	877	-	-	579	2337	1011	640	-	-	422
58	14.4	Q[Btu/h]	25960	24200	18150	-	-	14448	23600	22000	16500	-	-	13135	20296	18920	14190	-	-	11296	16520	15400	11550	-	-	9194
		W	3921	1695	1073	-	-	652	3770	1630	1032	-	-	627	3205	1386	877	-	-	533	2337	1011	640	-	-	389
54	12.2	Q[Btu/h]	25960	24200	18150	-	-	14662	23600	22000	16500	-	-	13329	20296	18920	14190	-	-	11463	16520	15400	11550	-	-	9331
		W	3921	1695	1073	-	-	599	3770	1630	1032	-	-	575	3205	1386	877	-	-	489	2337	1011	640	-	-	357
50	10	Q[Btu/h]	25960	24200	18150	-	-	14876	23600	22000	16500	-	-	13524	20296	18920	14190	-	-	11631	16520	15400	11550	-	-	9467
		W	3921	1695	1073	-	-	545	3770	1630	1032	-	-	524	3205	1386	877	-	-	445	2337	1011	640	-	-	325
46	7.8	Q[Btu/h]	25960	24200	18150	-	-	15090	23600	22000	16500	-	-	13718	20296	18920	14190	-	-	11798	16520	15400	11550	-	-	9603
		W	3921	1695	1073	-	-	491	3770	1630	1032	-	-	472	3205	1386	877	-	-	401	2337	1011	640	-	-	293
42	5.6	Q[Btu/h]	25960	24200	18150	-	-	15304	23600	22000	16500	-	-	13913	20296	18920	14190	-	-	11965	16520	15400	11550	-	-	9739
		W	3921	1695	1073	-	-	437	3770	1630	1032	-	-	420	3205	1386	877	-	-	357	2337	1011	640	-	-	260
38	3.3	Q[Btu/h]	25960	24200	18150	-	-	15528	23600	22000	16500	-	-	14116	20296	18920	14190	-	-	12140	16520	15400	11550	-	-	9881
		W	3921	1695	1073	-	-	381	3770	1630	1032	-	-	366	3205	1386	877	-	-	311	2337	1011	640	-	-	227
34	1.1	Q[Btu/h]	25960	24200	18150	-	-	15742	23600	22000	16500	-	-	14311	20296	18920	14190	-	-	12307	16520	15400	11550	-	-	10018
		W	3921	1695	1073	-	-	327	3770	1630	1032	-	-	314	3205	1386	877	-	-	267	2337	1011	640	-	-	195
30	-1.1	Q[Btu/h]	25960	24200	18150	-	-	15956	23600	22000	16500	-	-	14505	20296	18920	14190	-	-	12475	16520	15400	11550	-	-	10154
		W	3921	1695	1073	-	-	273	3770	1630	1032	-	-	262	3205	1386	877	-	-	223	2337	1011	640	-	-	163
26	-3.3	Q[Btu/h]	25960	24200	18150	-	-	16170	23600	22000	16500	-	-	14700	20296	18920	14190	-	-	12642	16520	15400	11550	-	-	10290
		W	3921	1695	1073	-	-	219	3770	1630	1032	-	-	211	3205	1386	877	-	-	179	2337	1011	640	-	-	131
22	-5.6	Q[Btu/h]	25960	24200	18150	-	-	16393	23600	22000	16500	-	-	14903	20296	18920	14190	-	-	12817	16520	15400	11550	-	-	10432
		W	3921	1695	1073	-	-	163	3770	1630	1032	-	-	157	3205	1386	877	-	-	133	2337	1011	640	-	-	97
18	-7.8	Q[Btu/h]	25960	24200	18150	-	-	16607	23600	22000	16500	-	-	15098	20296	18920	14190	-	-	12984	16520	15400	11550	-	-	10568
		W	3921	1695	1073	-	-	109	3770	1630	1032	-	-	105	3205	1386	877	-	-	89	2337	1011	640	-	-	65
14	-10	Q[Btu/h]	25960	24200	18150	-	-	16821	23600	22000	16500	-	-	15292	20296	18920	14190	-	-	13151	16520	15400	11550	-	-	10704
		W	3921	1695	1073	-	-	55	3770	1630	1032	-	-	53	3205	1386	877	-	-	45	2337	1011	640	-	-	33

* It may not reach the above capacities in low ambient temperatures.
* An air outlet guide is needed for ambient temperatures below 41˚F.

MXZ-3C24NAHZ2-U1

Rated Q(Btu/h): 25000 W: 1725 **Max** Q(Btu/h): 30600 W: 4540

2) HEATING

Indoor D.B.			80˚F / 26.7˚C						70°F / 21.1°C						60˚F / 15.6˚C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
65	18.3	Q[Btu/h]	38201	31380	23535	-	-	17806	39602	32531	24398	-	-	18459	40788	33505	25129	-	-	19011
		W	4804	2030	1712	-	-	1512	4625	1954	1648	-	-	1456	4490	1898	1600	-	-	1413
60	15.6	Q[Btu/h]	35737	29748	22311	-	-	16600	37120	30899	23174	-	-	17242	38290	31873	23905	-	-	17785
		W	4569	1966	1657	-	-	1457	4398	1892	1595	-	-	1403	4270	1837	1549	-	-	1362
55	12.8	Q[Btu/h]	33297	28116	21087	-	-	15402	34661	29267	21950	-	-	16033	35814	30241	22681	-	-	16567
		W	4377	1875	1581	-	-	1415	4175	1789	1508	-	-	1350	4053	1737	1464	-	-	1310
50	10.0	Q[Btu/h]	30978	26484	19863	-	-	14266	32325	27635	20726	-	-	14886	33464	28609	21457	-	-	15411
		W	4157	1767	1490	-	-	1363	4003	1702	1435	-	-	1313	3849	1637	1380	-	-	1262
47	7.2	Q[Btu/h]	28707	25505	19129	-	-	13145	30003	26656	19992	-	-	13738	31099	27630	20722	-	-	14240
		W	3975	1751	1476	-	-	1324	3793	1670	1408	-	-	1263	3647	1606	1354	-	-	1214
42	4.4	Q[Btu/h]	24119	21486	16114	-	-	12203	25282	22522	16891	-	-	12791	26266	23398	17549	-	-	13289
		W	3801	1805	1522	-	-	1282	3627	1722	1452	-	-	1223	3487	1656	1396	-	-	1176
35	1.7	Q[Btu/h]	28722	21488	16116	-	-	11359	30076	22500	16875	-	-	11894	31279	23400	17550	-	-	12370
		W	5571	2093	1765	-	-	1232	5364	2016	1699	-	-	1187	5158	1938	1634	-	-	1141
32	-1.1	Q[Btu/h]	28495	22681	17011	-	-	16716	29838	23750	17813	-	-	17503	31031	24700	18525	-	-	18203
		W	5297	2201	1856	-	-	2054	5101	2120	1787	-	-	1978	4904	2038	1718	-	-	1902
27	-3.9	Q[Btu/h]	26862	22681	17011	-	-	15625	28127	23750	17813	-	-	16361	29252	24700	18525	-	-	17016
		W	5006	2219	1870	-	-	1946	4865	2156	1818	-	-	1891	4678	2074	1748	-	-	1818
22	-6.7	Q[Btu/h]	25439	22681	17011	-	-	14651	26638	23750	17813	-	-	15341	27703	24700	18525	-	-	15955
		W	4791	2326	1961	-	-	1867	4657	2260	1906	-	-	1814	4478	2174	1832	-	-	1744
17	-9.4	Q[Btu/h]	24284	22681	17011	-	-	13830	25429	23750	17813	-	-	14481	26446	24700	18525	-	-	15061
		W	4608	2433	2051	-	-	1800	4608	2433	2051	-	-	1800	4307	2274	1917	-	-	1682
12	-12.2	Q[Btu/h]	29309	22681	17011	-	-	17351	30690	23750	17813	-	-	18169	31918	24700	18525	-	-	18896
		W	6161	2746	2315	-	-	2524	5986	2669	2250	-	-	2453	5812	2591	2184	-	-	2381
5	-15.0	Q[Btu/h]	28644	22681	17011	-	-	16654	29993	23750	17813	-	-	17439	31193	24700	18525	-	-	18136
		W	5827	2852	2405	-	-	2413	5662	2772	2337	-	-	2345	5497	2691	2269	-	-	2277
2	-17.8	Q[Btu/h]	28531	21929	-	-	-	19653	29890	22974	-	-	-	20590	31085	23893	-	-	-	21413
		W	6482	3200	-	-	-	3471	5996	2960	-	-	-	3211	5402	2667	-	-	-	2893
-3	-20.6	Q[Btu/h]	28593	18795	-	-	-	19138	30032	19742	-	-	-	20101	31228	20528	-	-	-	20902
		W	5274	2720	-	-	-	2899	5125	2643	-	-	-	2817	4975	2566	-	-	-	2735
-8	-23.3	Q[Btu/h]	27683	15662	-	-	-	18885	29180	16509	-	-	-	19906	30337	17163	-	-	-	20695
		W	5190	2614	-	-	-	2734	5043	2540	-	-	-	2657	4896	2466	-	-	-	2579
-13	-26.1	Q[Btu/h]	27301	-	-	-	-	18752	28923	-	-	-	-	19766	29277	-	-	-	-	20550
		W	4835	-	-	-	-	2512	4698	-	-	-	-	2440	4561	-	-	-	-	2369

* Above data is for heating operation without any frost.

MXZ-3C30NAHZ2-U1

Rated Q(Btu/h): 28400 W: 2272 **Max** Q(Btu/h): 28400

1) COOLING

Indoor W.B.			72°F / 22.2°C						67°F / 19.4°C						64°F / 17.8°C						61°F / 16.1°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																									
115	46.1	Q[Btu/h]	25778	22720	17040	11360		- 10735	24811	21868	16401	10934		- 10333	24489	21584	16188	10792		- 10198	22555	19880	14910	9940		- 9393
		W	4028	1772	1122	758		- 1246	4441	1954	1237	836		- 1373	4596	2022	1280	865		- 1421	4338	1908	1208	817		- 1341
110	43.3	Q[Btu/h]	27460	28173	21129.6	14086.4		- 11285	25743	26412	19809	13206		- 10580	23806	24424	18318	12212		- 9784	19377	19880	14910	9940		- 7964
		W	4096	2463	1559	1054		- 1243	4307	2590	1640	1109		- 1307	3858	2320	1469	993		- 1171	2871	1727	1093	739		- 872
106	41.1	Q[Btu/h]	29263	29820	22365	14910		- 11909	26476	26980	20235	13490		- 10775	23968	24424	18318	12212		- 9754	19509	19880	14910	9940		- 7939
		W	4354	2590	1640	1109		- 1301	4202	2499	1582	1070		- 1256	3714	2209	1398	945		- 1110	2750	1636	1035	700		- 822
102	38.9	Q[Btu/h]	30043	30104	22578	15052		- 12112	27209	27264	20448	13632		- 10969	24374	24424	18318	12212		- 9827	19840	19880	14910	9940		- 7998
		W	4248	2545	1611	1089		- 1248	4096	2454	1553	1050		- 1204	3595	2153	1363	922		- 1056	2655	1590	1007	681		- 780
98	36.7	Q[Btu/h]	30792	30672	23004	15336		- 12303	27941	27832	20874	13916		- 11164	24520	24424	18318	12212		- 9797	19958	19880	14910	9940		- 7974
		W	4144	2454	1553	1050		- 1196	3991	2363	1496	1011		- 1152	3449	2042	1293	874		- 996	2532	1500	949	642		- 731
94	34.4	Q[Btu/h]	31240	31240	23430	15620		- 12504	28400	28400	21300	14200		- 11367	24424	24424	18318	12212		- 9776	19880	19880	14910	9940		- 7957
		W	2363	2363	1496	1011		- 1142	2272	2272	1438	972		- 1098	1931	1931	1222	827		- 933	1409	1409	892	603		- 681
90	32.2	Q[Btu/h]	31240	31240	23430	15620		- 12718	28400	28400	21300	14200		- 11561	24424	24424	18318	12212		- 9943	19880	19880	14910	9940		- 8093
		W	2363	2363	1496	1011		- 1088	2272	2272	1438	972		- 1046	1931	1931	1222	827		- 889	1409	1409	892	603		- 649
86	30	Q[Btu/h]	31240	31240	23430	15620		- 12932	28400	28400	21300	14200		- 11756	24424	24424	18318	12212		- 10110	19880	19880	14910	9940		- 8229
		W	2363	2363	1496	1011		- 1034	2272	2272	1438	972		- 994	1931	1931	1222	827		- 845	1409	1409	892	603		- 617
82	27.8	Q[Btu/h]	31240	31240	23430	15620		- 13145	28400	28400	21300	14200		- 11950	24424	24424	18318	12212		- 10277	19880	19880	14910	9940		- 8365
		W	2363	2363	1496	1011		- 980	2272	2272	1438	972		- 943	1931	1931	1222	827		- 801	1409	1409	892	603		- 584
78	25.6	Q[Btu/h]	31240	31240	23430	15620		- 13359	28400	28400	21300	14200		- 12145	24424	24424	18318	12212		- 10445	19880	19880	14910	9940		- 8501
		W	2363	2363	1496	1011		- 926	2272	2272	1438	972		- 891	1931	1931	1222	827		- 757	1409	1409	892	603		- 552
74	23.3	Q[Btu/h]	31240	31240	23430	15620		- 13583	28400	28400	21300	14200		- 12348	24424	24424	18318	12212		- 10619	19880	19880	14910	9940		- 8644
		W	2363	2363	1496	1011		- 870	2272	2272	1438	972		- 837	1931	1931	1222	827		- 711	1409	1409	892	603		- 519
70	21.1	Q[Btu/h]	31240	31240	23430	15620		- 13797	28400	28400	21300	14200		- 12543	24424	24424	18318	12212		- 10787	19880	19880	14910	9940		- 8780
		W	2363	2363	1496	1011		- 816	2272	2272	1438	972		- 785	1931	1931	1222	827		- 667	1409	1409	892	603		- 487
66	18.9	Q[Btu/h]	31240	31240	23430	15620		- 14011	28400	28400	21300	14200		- 12737	24424	24424	18318	12212		- 10954	19880	19880	14910	9940		- 8916
		W	2363	2363	1496	1011		- 762	2272	2272	1438	972		- 733	1931	1931	1222	827		- 623	1409	1409	892	603		- 455
62	16.7	Q[Btu/h]	31240	31240	23430	15620		- 14225	28400	28400	21300	14200		- 12932	24424	24424	18318	12212		- 11121	19880	19880	14910	9940		- 9052
		W	2363	2363	1496	1011		- 709	2272	2272	1438	972		- 681	1931	1931	1222	827		- 579	1409	1409	892	603		- 422
58	14.4	Q[Btu/h]	31240	31240	23430	15620		- 14448	28400	28400	21300	14200		- 13135	24424	24424	18318	12212		- 11296	19880	19880	14910	9940		- 9194
		W	2363	2363	1496	1011		- 652	2272	2272	1438	972		- 627	1931	1931	1222	827		- 533	1409	1409	892	603		- 389
54	12.2	Q[Btu/h]	31240	31240	23430	15620		- 14662	28400	28400	21300	14200		- 13329	24424	24424	18318	12212		- 11463	19880	19880	14910	9940		- 9331
		W	2363	2363	1496	1011		- 599	2272	2272	1438	972		- 575	1931	1931	1222	827		- 489	1409	1409	892	603		- 357
50	10	Q[Btu/h]	31240	31240	23430	15620		- 14876	28400	28400	21300	14200		- 13524	24424	24424	18318	12212		- 11631	19880	19880	14910	9940		- 9467
		W	2363	2363	1496	1011		- 545	2272	2272	1438	972		- 524	1931	1931	1222	827		- 445	1409	1409	892	603		- 325
46	7.8	Q[Btu/h]	31240	31240	23430	15620		- 15090	28400	28400	21300	14200		- 13718	24424	24424	18318	12212		- 11798	19880	19880	14910	9940		- 9603
		W	2363	2363	1496	1011		- 491	2272	2272	1438	972		- 472	1931	1931	1222	827		- 401	1409	1409	892	603		- 293
42	5.6	Q[Btu/h]	31240	31240	23430	15620		- 15304	28400	28400	21300	14200		- 13913	24424	24424	18318	12212		- 11965	19880	19880	14910	9940		- 9739
		W	2363	2363	1496	1011		- 437	2272	2272	1438	972		- 420	1931	1931	1222	827		- 357	1409	1409	892	603		- 260
38	3.3	Q[Btu/h]	31240	31240	23430	15620		- 15528	28400	28400	21300	14200		- 14116	24424	24424	18318	12212		- 12140	19880	19880	14910	9940		- 9881
		W	2363	2363	1496	1011		- 381	2272	2272	1438	972		- 366	1931	1931	1222	827		- 311	1409	1409	892	603		- 227
34	1.1	Q[Btu/h]	31240	31240	23430			- 15742	28400	28400	21300			- 14311	24424	24424	18318			- 12307	19880	19880	14910			- 10018
		W	2363	2363	1496			- 327	2272	2272	1438			- 314	1931	1931	1222			- 267	1409	1409	892			- 195
30	-1.1	Q[Btu/h]	31240	31240	23430			- 15956	28400	28400	21300			- 14505	24424	24424	18318			- 12475	19880	19880	14910			- 10154
		W	2363	2363	1496			- 273	2272	2272	1438			- 262	1931	1931	1222			- 223	1409	1409	892			- 163
26	-3.3	Q[Btu/h]	31240	31240	23430			- 16170	28400	28400	21300			- 14700	24424	24424	18318			- 12642	19880	19880	14910			- 10290
		W	2363	2363	1496			- 219	2272	2272	1438			- 211	1931	1931	1222			- 179	1409	1409	892			- 131
22	-5.6	Q[Btu/h]	31240	31240	23430			- 16393	28400	28400	21300			- 14903	24424	24424	18318			- 12817	19880	19880	14910			- 10432
		W	2363	2363	1496			- 163	2272	2272	1438			- 157	1931	1931	1222			- 133	1409	1409	892			- 97
18	-7.8	Q[Btu/h]	31240	31240	23430			- 16607	28400	28400	21300			- 15098	24424	24424	18318			- 12984	19880	19880	14910			- 10568
		W	2363	2363	1496			- 109	2272	2272	1438			- 105	1931	1931	1222			- 89	1409	1409	892			- 65
14	-10	Q[Btu/h]	31240	31240	23430			- 16821	28400	28400	21300			- 15292	24424	24424	18318			- 13151	19880	19880	14910			- 10704
		W	2363	2363	1496			- 55	2272	2272	1438			- 53	1931	1931	1222			- 45	1409	1409	892			- 33

* It may not reach the above capacities in low ambient temperatures.
* An air outlet guide is needed for ambient temperatures below 41˚F.

MXZ-3C30NAHZ2-U1

Rated Q(Btu/h): 28600 W: 2096 **Max** Q(Btu/h): 36000

2) HEATING

Indoor D.B.			80˚F / 26.7˚C						70°F / 21.1°C						60˚F / 15.6˚C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
65	18.3	Q[Btu/h]	44408	32309	24231	16154	-	17806	46038	33494	25121	16747	-	18459	47416	34497	25872	17248	-	19011
		W	4468	2837	2392	1515	-	1512	4301	2731	2302	1458	-	1456	4176	2651	2235	1416	-	1413
60	15.6	Q[Btu/h]	41544	30628	22971	15314	-	16600	43152	31814	23860	15907	-	17242	44512	32816	24612	16408	-	17785
		W	4249	2747	2316	1467	-	1457	4091	2644	2229	1412	-	1403	3971	2567	2164	1371	-	1362
55	12.8	Q[Btu/h]	38708	28948	21711	14474	-	15402	40293	30134	22600	15067	-	16033	41634	31136	23352	15568	-	16567
		W	4071	2621	2209	1399	-	1415	3882	2499	2107	1335	-	1350	3769	2426	2046	1296	-	1310
50	10.0	Q[Btu/h]	36012	27268	20451	13634	-	14266	37578	28453	21340	14227	-	14886	38902	29456	22092	14728	-	15411
		W	3866	2496	2104	1333	-	1363	3723	2404	2027	1284	-	1313	3579	2311	1949	1234	-	1262
47	7.2	Q[Btu/h]	33372	26260	19695	13130	-	13145	34878	27445	20584	13723	-	13738	36152	28448	21336	14224	-	14240
		W	3697	2460	2073	1313	-	1324	3527	2347	1978	1253	-	1263	3392	2256	1902	1205	-	1214
42	4.4	Q[Btu/h]	28038	22122	16591	11061	-	12203	29390	23188	17391	11594	-	12791	30534	24091	18068	12045	-	13289
		W	3535	2522	2126	1347	-	1282	3373	2407	2029	1285	-	1223	3243	2314	1951	1236	-	1176
35	1.7	Q[Btu/h]	33390	22124	16593	11062	-	11359	34963	23166	17375	11583	-	11894	36362	24093	18069	12046	-	12370
		W	5181	2925	2466	1562	-	1232	4989	2817	2375	1504	-	1187	4797	2708	2283	1446	-	1141
32	-1.1	Q[Btu/h]	33125	23353	17514	-	-	16716	34686	24453	18340	-	-	17503	36074	25431	19073	-	-	18203
		W	4926	3049	2571	-	-	2054	4744	2936	2475	-	-	1978	4561	2823	2380	-	-	1902
27	-3.9	Q[Btu/h]	31227	23353	17514	-	-	15625	32698	24453	18340	-	-	16361	34006	25431	19073	-	-	17016
		W	4655	3127	2636	-	-	1946	4525	3039	2562	-	-	1891	4351	2922	2463	-	-	1818
22	-6.7	Q[Btu/h]	29573	23353	17514	-	-	14651	30967	24453	18340	-	-	15341	32205	25431	19073	-	-	15955
		W	4456	3250	2739	-	-	1867	4331	3159	2663	-	-	1814	4164	3037	2560	-	-	1744
17	-9.4	Q[Btu/h]	28231	23353	17514	-	-	13830	29561	24453	18340	-	-	14481	30743	25431	19073	-	-	15061
		W	4286	3373	2843	-	-	1800	4286	3373	2843	-	-	1800	4005	3152	2657	-	-	1682
12	-12.2	Q[Btu/h]	34072	23353	17514	-	-	17351	35678	24453	18340	-	-	18169	37105	25431	19073	-	-	18896
		W	5729	3864	3257	-	-	2524	5567	3755	3165	-	-	2453	5405	3645	3073	-	-	2381
5	-15.0	Q[Btu/h]	33298	23353	17514	-	-	16654	34867	24453	18340	-	-	17439	36262	25431	19073	-	-	18136
		W	5419	3986	3360	-	-	2413	5266	3873	3265	-	-	2345	5113	3760	3170	-	-	2277
2	-17.8	Q[Btu/h]	33167	22578	19033	-	-	19653	34747	23654	19940	-	-	20590	36136	24600	18450	-	-	21413
		W	6029	4472	3770	-	-	3471	5577	4136	3487	-	-	3211	5024	3726	3141	-	-	2893
-3	-20.6	Q[Btu/h]	33239	19352	-	-	-	19138	34912	20326	-	-	-	20101	36303	21136	-	-	-	20902
		W	4905	3801	-	-	-	2899	4766	3693	-	-	-	2817	4627	3586	-	-	-	2735
-8	-23.3	Q[Btu/h]	33242	16125	-	-	-	18885	35040	16998	-	-	-	19906	36429	17671	-	-	-	20695
		W	4827	3652	-	-	-	2734	4690	3549	-	-	-	2657	4554	3445	-	-	-	2579
-13	-26.1	Q[Btu/h]	32334	-	-	-	-	18752	34137	-	-	-	-	19766	35530	-	-	-	-	20550
		W	4740	-	-	-	-	2512	4606	-	-	-	-	2440	4472	-	-	-	-	2369

* Above data is for heating operation without any frost.

MXZ-4C36NAHZ2-U1

1) COOLING

Rated
Q(Btu/h): 36,000
W: 2,570

Indoor W.B.			72°F / 22.2°C						67°F / 19.4°C						64°F / 17.8°C						61°F / 16.1°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																									
115	46.1	Q(Btu/h)	24,494	24,494	18,371	12,247	-	8,289	22,680	22,680	17,010	11,340	-	7,675	20,639	20,639	15,479	10,319	-	6,984	18,598	18,598	13,948	9,299	-	6,293
		W	1,234	1,234	1,086	851	-	652	1,285	1,285	1,131	887	-	680	1,278	1,278	1,125	882	-	676	1,337	1,337	1,177	923	-	707
110	43.3	Q(Btu/h)	29,160	29,160	21,870	14,580	-	8,594	27,000	27,000	20,250	13,500	-	7,957	24,570	24,570	18,428	12,285	-	7,241	22,140	22,140	16,605	11,070	-	6,525
		W	1,645	1,645	1,447	1,135	-	611	1,748	1,748	1,538	1,206	-	649	1,752	1,752	1,542	1,209	-	651	1,775	1,775	1,562	1,225	-	659
106	41.1	Q(Btu/h)	33,048	33,048	24,786	16,524	-	8,837	30,600	30,600	22,950	15,300	-	8,182	27,846	27,846	20,885	13,923	-	7,446	25,092	25,092	18,819	12,546	-	6,709
		W	1,902	1,902	1,674	1,312	-	571	2,082	2,082	1,832	1,436	-	625	2,133	2,133	1,877	1,472	-	640	1,520	1,520	1,338	1,049	-	456
102	38.9	Q(Btu/h)	36,158	36,158	27,119	18,079	-	9,081	33,480	33,480	25,110	16,740	-	8,409	30,467	30,467	22,850	15,233	-	7,652	27,454	27,454	20,590	13,727	-	6,895
		W	2,210	2,210	1,945	1,525	-	561	2,364	2,364	2,081	1,631	-	600	2,559	2,559	2,252	1,766	-	650	1,459	1,459	1,284	1,007	-	370
98	36.7	Q(Btu/h)	38,491	38,491	28,868	19,246	-	9,321	35,640	35,640	26,730	17,820	-	8,631	32,432	32,432	24,324	16,216	-	7,854	29,225	29,225	21,919	14,612	-	7,077
		W	2,570	2,570	2,262	1,773	-	559	2,647	2,647	2,329	1,826	-	576	2,406	2,406	2,117	1,660	-	524	1,398	1,398	1,230	965	-	304
94	34.4	Q(Btu/h)	38,880	38,880	29,160	19,440	-	9,560	36,000	36,000	27,000	18,000	-	8,852	32,760	32,760	24,570	16,380	-	8,055	29,520	29,520	22,140	14,760	-	7,259
		W	2,647	2,647	2,329	1,826	-	574	2,544	2,544	2,239	1,756	-	552	2,261	2,261	1,990	1,560	-	491	1,326	1,326	1,167	915	-	288
90	32.2	Q(Btu/h)	39,074	39,074	29,306	19,537	-	9,798	36,180	36,180	27,135	18,090	-	9,072	32,924	32,924	24,693	16,462	-	8,255	29,668	29,668	22,251	14,834	-	7,439
		W	2,570	2,570	2,262	1,773	-	556	2,442	2,442	2,149	1,685	-	528	2,141	2,141	1,884	1,477	-	463	1,258	1,258	1,107	868	-	272
86	30.0	Q(Btu/h)	39,074	39,074	29,306	19,537	-	10,034	36,180	36,180	27,135	18,090	-	9,291	32,924	32,924	24,693	16,462	-	8,454	29,668	29,668	22,251	14,834	-	7,618
		W	2,519	2,519	2,216	1,738	-	543	2,339	2,339	2,058	1,614	-	504	2,021	2,021	1,778	1,394	-	436	1,190	1,190	1,047	821	-	257
82	27.8	Q(Btu/h)	39,074	39,074	29,306	19,537	-	10,269	36,180	36,180	27,135	18,090	-	9,508	32,924	32,924	24,693	16,462	-	8,652	29,668	29,668	22,251	14,834	-	7,797
		W	2,467	2,467	2,171	1,702	-	524	2,262	2,262	1,990	1,561	-	481	1,901	1,901	1,673	1,312	-	404	1,122	1,122	988	774	-	239
78	25.6	Q(Btu/h)	39,580	39,580	29,685	19,790	-	10,502	36,648	36,648	27,486	18,324	-	9,724	33,350	33,350	25,012	16,675	-	8,849	30,051	30,051	22,539	15,026	-	7,974
		W	2,364	2,364	2,081	1,631	-	501	2,159	2,159	1,900	1,490	-	457	1,781	1,781	1,567	1,229	-	377	1,054	1,054	928	728	-	223
74	23.3	Q(Btu/h)	39,580	39,580	29,685	19,790	-	10,735	36,648	36,648	27,486	18,324	-	9,939	33,350	33,350	25,012	16,675	-	9,045	30,051	30,051	22,539	15,026	-	8,150
		W	2,313	2,313	2,035	1,596	-	488	2,056	2,056	1,809	1,419	-	434	1,660	1,660	1,461	1,146	-	350	986	986	868	681	-	208
70	21.1	Q(Btu/h)	39,619	39,619	29,714	19,809	-	10,966	36,684	36,684	27,513	18,342	-	10,153	33,382	33,382	25,037	16,691	-	9,240	30,081	30,081	22,561	15,040	-	8,326
		W	2,262	2,262	1,990	1,561	-	475	1,953	1,953	1,719	1,348	-	410	1,540	1,540	1,355	1,063	-	323	919	919	808	634	-	193
66	18.9	Q(Btu/h)	39,658	39,658	29,743	19,829	-	11,080	36,720	36,720	27,540	18,360	-	10,259	33,415	33,415	25,061	16,708	-	9,336	30,110	30,110	22,583	15,055	-	8,412
		W	2,262	2,262	1,990	1,561	-	421	1,902	1,902	1,674	1,312	-	354	1,479	1,479	1,301	1,020	-	275	883	883	777	609	-	164
62	16.7	Q(Btu/h)	39,658	39,658	29,743	19,829	-	11,308	36,720	36,720	27,540	18,360	-	10,470	33,415	33,415	25,061	16,708	-	9,528	30,110	30,110	22,583	15,055	-	8,586
		W	2,262	2,262	1,990	1,561	-	394	1,902	1,902	1,674	1,312	-	331	1,476	1,476	1,299	1,018	-	257	880	880	774	607	-	153
58	14.4	Q(Btu/h)	39,658	39,658	29,743	19,829	-	11,428	36,720	36,720	27,540	18,360	-	10,582	33,415	33,415	25,061	16,708	-	9,629	30,110	30,110	22,583	15,055	-	8,677
		W	2,262	2,262	1,990	1,561	-	359	1,902	1,902	1,674	1,312	-	302	1,473	1,473	1,296	1,016	-	234	877	877	771	605	-	139
54	12.2	Q(Btu/h)	39,658	39,658	29,743	19,829	-	11,654	36,720	36,720	27,540	18,360	-	10,791	33,415	33,415	25,061	16,708	-	9,820	30,110	30,110	22,583	15,055	-	8,848
		W	2,262	2,262	1,990	1,561	-	332	1,902	1,902	1,674	1,312	-	279	1,470	1,470	1,294	1,014	-	216	873	873	769	603	-	128
50	10.0	Q(Btu/h)	39,658	39,658	29,743	19,829	-	11,402	36,720	36,720	27,540	18,360	-	10,557	33,415	33,415	25,061	16,708	-	9,607	30,110	30,110	22,583	15,055	-	8,657
		W	2,262	2,262	1,990	1,561	-	358	1,902	1,902	1,674	1,312	-	301	1,467	1,467	1,291	1,013	-	232	870	870	766	601	-	138
46	7.8	Q(Btu/h)	39,658	39,658	29,743	19,829	-	11,260	36,720	36,720	27,540	18,360	-	10,426	33,415	33,415	25,061	16,708	-	9,488	30,110	30,110	22,583	15,055	-	8,549
		W	2,262	2,262	1,990	1,561	-	371	1,902	1,902	1,674	1,312	-	312	1,465	1,465	1,289	1,011	-	240	867	867	763	598	-	142
42	5.6	Q(Btu/h)	39,658	39,658	29,743	19,829	-	11,481	36,720	36,720	27,540	18,360	-	10,630	33,415	33,415	25,061	16,708	-	9,674	30,110	30,110	22,583	15,055	-	8,717
		W	2,262	2,262	1,990	1,561	-	345	1,902	1,902	1,674	1,312	-	290	1,462	1,462	1,286	1,009	-	223	864	864	760	596	-	132
38	3.3	Q(Btu/h)	39,658	39,658	29,743	19,829	-	11,702	36,720	36,720	27,540	18,360	-	10,835	33,415	33,415	25,061	16,708	-	9,860	30,110	30,110	22,583	15,055	-	8,885
		W	2,262	2,262	1,990	1,561	-	344	1,902	1,902	1,674	1,312	-	289	1,459	1,459	1,284	1,007	-	222	861	861	757	594	-	131
34	1.1	Q(Btu/h)	39,658	39,658	29,743	19,829	-	11,922	36,720	36,720	27,540	18,360	-	11,039	33,415	33,415	25,061	16,708	-	10,046	30,110	30,110	22,583	15,055	-	9,052
		W	2,262	2,262	1,990	1,561	-	344	1,902	1,902	1,674	1,312	-	289	1,456	1,456	1,281	1,005	-	221	858	858	755	592	-	130
30	-1.1	Q(Btu/h)	39,658	39,658	29,743	19,829	-	12,143	36,720	36,720	27,540	18,360	-	11,244	33,415	33,415	25,061	16,708	-	10,232	30,110	30,110	22,583	15,055	-	9,220
		W	2,262	2,262	1,990	1,561	-	344	1,902	1,902	1,674	1,312	-	289	1,453	1,453	1,279	1,003	-	221	854	854	752	590	-	130
26	-3.3	Q(Btu/h)	39,658	39,658	29,743	19,829	-	12,364	36,720	36,720	27,540	18,360	-	11,448	33,415	33,415	25,061	16,708	-	10,418	30,110	30,110	22,583	15,055	-	9,387
		W	2,262	2,262	1,990	1,561	-	344	1,902	1,902	1,674	1,312	-	289	1,451	1,451	1,276	1,001	-	221	851	851	749	587	-	129
23	-5.0	Q(Btu/h)	39,658	39,658	29,743	19,829	-	12,585	36,720	36,720	27,540	18,360	-	11,652	33,415	33,415	25,061	16,708	-	10,604	30,110	30,110	22,583	15,055	-	9,555
		W	2,262	2,262	1,990	1,561	-	344	1,902	1,902	1,674	1,312	-	289	1,448	1,448	1,275	999	-	220	849	849	747	586	-	129
18	-7.8	Q(Btu/h)	39,658	39,658	29,743	19,829	-	12,805	36,720	36,720	27,540	18,360	-	11,857	33,415	33,415	25,061	16,708	-	10,790	30,110	30,110	22,583	15,055	-	9,723
		W	2,262	2,262	1,990	1,561	-	344	1,902	1,902	1,674	1,312	-	289	1,448	1,448	1,275	999	-	220	849	849	747	586	-	129
14	-10.0	Q(Btu/h)	39,658	39,658	29,743	19,829	-	13,026	36,720	36,720	27,540	18,360	-	12,061	33,415	33,415	25,061	16,708	-	10,976	30,110	30,110	22,583	15,055	-	9,890
		W	2,262	2,262	1,990	1,561	-	344	1,902	1,902	1,674	1,312	-	289	1,448	1,448	1,275	999	-	220	849	849	747	586	-	129
10	-12.2	Q(Btu/h)	39,658	39,658	29,743	19,829	-	13,247	36,720	36,720	27,540	18,360	-	12,266	33,415	33,415	25,061	16,708	-	11,162	30,110	30,110	22,583	15,055	-	10,058
		W	2,262	2,262	1,990	1,561	-	344	1,902	1,902	1,674	1,312	-	289	1,448	1,448	1,275	999	-	220	849	849	747	586	-	129
6	-14.4	Q(Btu/h)	39,658	39,658	29,743	19,829	-	13,468	36,720	36,720	27,540	18,360	-	12,470	33,415	33,415	25,061	16,708	-	11,348	30,110	30,110	22,583	15,055	-	10,226
		W	2,262	2,262	1,990	1,561	-	344	1,902	1,902	1,674	1,312	-	289	1,448	1,448	1,275	999	-	220	849	849	747	586	-	129

* It may not reach the above capacities in low ambient temperatures.
* An air outlet guide is needed for ambient temperatures below 41˚F.

MXZ-4C36NAHZ2-U1
2) HEATING

Rated
Q(Btu/h): 45,000
W: 3,340

Indoor D.B.			80˚F / 26.7˚C						70°F / 21.1°C						60˚F / 15.6˚C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
60	15.6	Q(Btu/h)	35,100	35,100	25,974	16,848	-	12,142	45,000	45,000	33,300	21,600	-	15,566	54,450	54,450	40,293	26,136	-	18,835
		W	2,004	2,004	1,663	1,263	-	527	2,338	2,338	1,941	1,473	-	615	1,670	1,670	1,386	1,052	-	439
55	12.8	Q(Btu/h)	35,100	35,100	25,974	16,848	-	11,460	45,000	45,000	33,300	21,600	-	14,693	54,450	54,450	40,293	26,136	-	17,778
		W	2,338	2,338	1,941	1,473	-	559	2,589	2,589	2,148	1,631	-	619	1,837	1,837	1,525	1,157	-	439
50	10.0	Q(Btu/h)	35,100	35,100	25,974	16,848	-	10,786	45,000	45,000	33,300	21,600	-	13,829	54,450	54,450	40,293	26,136	-	16,733
		W	2,505	2,505	2,079	1,578	-	548	2,839	2,839	2,356	1,789	-	621	2,004	2,004	1,663	1,263	-	438
47	8.3	Q(Btu/h)	35,100	35,100	25,974	16,848	-	10,384	45,000	45,000	33,300	21,600	-	13,313	54,450	54,450	40,293	26,136	-	16,109
		W	2,756	2,756	2,287	1,736	-	569	3,006	3,006	2,495	1,894	-	620	2,171	2,171	1,802	1,368	-	448
42	5.6	Q(Btu/h)	35,582	35,582	26,331	17,079	-	9,748	45,618	45,618	33,757	21,897	-	12,498	55,198	55,198	40,846	26,495	-	15,122
		W	3,006	3,006	2,495	1,894	-	556	3,340	3,340	2,772	2,104	-	617	2,338	2,338	1,941	1,473	-	432
35	1.7	Q(Btu/h)	39,538	39,538	29,258	18,978	-	9,668	50,689	50,689	37,510	24,331	-	12,395	61,334	61,334	45,387	29,440	-	14,998
		W	3,340	3,340	2,772	2,104	-	787	3,607	3,607	2,994	2,273	-	849	2,672	2,672	2,218	1,683	-	629
32	0.0	Q(Btu/h)	40,036	40,036	29,626	19,217	9,609	9,144	51,328	51,328	37,983	24,637	12,319	11,723	62,107	62,107	45,959	29,811	14,906	14,185
		W	3,507	3,507	2,911	2,209	1,473	800	3,674	3,674	3,049	2,315	1,543	838	2,756	2,756	2,287	1,736	1,157	629
27	-2.8	Q(Btu/h)	39,325	39,325	29,100	18,876	9,438	8,417	50,416	50,416	37,308	24,200	12,100	10,791	61,004	61,004	45,143	29,282	14,641	13,057
		W	3,607	3,607	2,994	2,273	1,515	740	3,941	3,941	3,271	2,483	1,655	808	2,923	2,923	2,426	1,841	1,227	599
22	-5.6	Q(Btu/h)	38,893	38,893	28,781	18,669	9,334	8,093	49,863	49,863	36,898	23,934	11,967	10,376	60,334	60,334	44,647	28,960	14,480	12,555
		W	3,941	3,941	3,271	2,483	1,655	713	4,259	4,259	3,535	2,683	1,789	770	3,173	3,173	2,634	1,999	1,333	574
17	-8.3	Q(Btu/h)	38,358	38,358	28,385	18,412	9,206	7,558	49,177	49,177	36,391	23,605	11,802	9,690	59,504	59,504	44,033	28,562	14,281	11,725
		W	4,092	4,092	3,396	2,578	1,718	646	4,593	4,593	3,812	2,893	1,929	726	3,540	3,540	2,939	2,230	1,487	559
12	-11.1	Q(Btu/h)	37,784	37,784	27,960	18,136	9,068	6,562	48,441	48,441	35,846	23,252	11,626	8,412	58,614	58,614	43,374	28,135	14,067	10,179
		W	4,175	4,175	3,465	2,630	1,754	559	5,010	5,010	4,158	3,156	2,104	671	4,092	4,092	3,396	2,578	1,718	548
5	-15.0	Q(Btu/h)	36,947	36,947	27,341	17,735	8,867	5,216	47,368	47,368	35,053	22,737	11,368	6,687	57,316	57,316	42,414	27,512	13,756	8,092
		W	4,259	4,259	3,535	2,683	1,789	462	5,361	5,361	4,449	3,377	2,251	582	4,760	4,760	3,950	2,998	1,999	516
2	-16.7	Q(Btu/h)	35,408	35,408	26,202	16,996	8,498	4,645	45,395	45,395	33,592	21,789	10,895	5,955	54,928	54,928	40,646	26,365	13,183	7,206
		W	4,008	4,008	3,327	2,525	1,683	403	5,344	5,344	4,436	3,367	2,244	537	5,010	5,010	4,158	3,156	2,104	503
-3	-19.4	Q(Btu/h)	32,842	32,842	24,303	15,764	7,882	4,001	42,105	42,105	31,158	20,211	10,105	5,129	50,947	50,947	37,701	24,455	12,227	6,206
		W	3,674	3,674	3,049	2,315	1,543	348	5,094	5,094	4,228	3,209	2,139	482	5,261	5,261	4,366	3,314	2,209	498
-8	-22.2	Q(Btu/h)	30,276	30,276	22,404	14,533	7,266	3,047	38,816	38,816	28,724	18,632	9,316	3,907	46,967	46,967	34,756	22,544	11,272	4,727
		W	3,257	3,257	2,703	2,052	1,368	258	4,843	4,843	4,020	3,051	2,034	384	5,595	5,595	4,643	3,525	2,350	444
-13	-25.0	Q(Btu/h)	27,711	27,711	20,506	13,301	6,651	2,118	35,526	35,526	26,289	17,053	8,526	2,716	42,987	42,987	31,810	20,634	10,317	3,286
		W	2,839	2,839	2,356	1,789	1,192	167	4,676	4,676	3,881	2,946	1,964	275	5,344	5,344	4,436	3,367	2,244	315

* Above data is for heating operation without any frost.

MXZ-5C42NAHZ2-U1

1) COOLING

Rated
Q(Btu/h): 42,000
W: 3,130

Indoor W.B.			72°F / 22.2°C						67°F / 19.4°C						64°F / 17.8°C						61°F / 16.1°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																									
115	46.1	Q(Btu/h)	28,577	28,577	21,433	14,288	-	9,670	26,460	26,460	19,845	13,230	-	8,954	24,079	24,079	18,059	12,039	-	8,148	21,697	21,697	16,273	10,849	-	7,342
		W	1,502	1,502	1,172	871	-	795	1,565	1,565	1,221	908	-	828	1,557	1,557	1,214	903	-	823	1,629	1,629	1,271	945	-	861
110	43.3	Q(Btu/h)	34,020	34,020	25,515	17,010	-	10,026	31,500	31,500	23,625	15,750	-	9,283	28,665	28,665	21,499	14,333	-	8,448	25,830	25,830	19,373	12,915	-	7,612
		W	2,003	2,003	1,562	1,162	-	744	2,128	2,128	1,660	1,234	-	791	2,134	2,134	1,664	1,238	-	793	2,161	2,161	1,686	1,254	-	803
106	41.1	Q(Btu/h)	38,556	38,556	28,917	19,278	-	10,310	35,700	35,700	26,775	17,850	-	9,546	32,487	32,487	24,365	16,244	-	8,687	29,274	29,274	21,956	14,637	-	7,828
		W	2,316	2,316	1,807	1,343	-	695	2,535	2,535	1,978	1,470	-	761	2,598	2,598	2,026	1,507	-	780	1,851	1,851	1,444	1,074	-	556
102	38.9	Q(Btu/h)	42,185	42,185	31,639	21,092	-	10,595	39,060	39,060	29,295	19,530	-	9,810	35,545	35,545	26,658	17,772	-	8,927	32,029	32,029	24,022	16,015	-	8,044
		W	2,692	2,692	2,100	1,561	-	683	2,880	2,880	2,246	1,670	-	731	3,117	3,117	2,431	1,808	-	791	1,777	1,777	1,386	1,030	-	451
98	36.7	Q(Btu/h)	44,906	44,906	33,680	22,453	-	10,875	41,580	41,580	31,185	20,790	-	10,069	37,838	37,838	28,378	18,919	-	9,163	34,096	34,096	25,572	17,048	-	8,257
		W	3,130	3,130	2,441	1,815	-	681	3,224	3,224	2,515	1,870	-	702	2,930	2,930	2,286	1,700	-	638	1,703	1,703	1,328	988	-	371
94	34.4	Q(Btu/h)	45,360	45,360	34,020	22,680	-	11,154	42,000	42,000	31,500	21,000	-	10,327	38,220	38,220	28,665	19,110	-	9,398	34,440	34,440	25,830	17,220	-	8,468
		W	3,224	3,224	2,515	1,870	-	700	3,099	3,099	2,417	1,797	-	672	2,754	2,754	2,148	1,597	-	598	1,615	1,615	1,260	937	-	350
90	32.2	Q(Btu/h)	45,587	45,587	34,190	22,793	-	11,431	42,210	42,210	31,658	21,105	-	10,584	38,411	38,411	28,808	19,206	-	9,631	34,612	34,612	25,959	17,306	-	8,679
		W	3,130	3,130	2,441	1,815	-	677	2,974	2,974	2,319	1,725	-	643	2,608	2,608	2,034	1,512	-	564	1,532	1,532	1,195	889	-	332
86	30.0	Q(Btu/h)	45,587	45,587	34,190	22,793	-	11,706	42,210	42,210	31,658	21,105	-	10,839	38,411	38,411	28,808	19,206	-	9,863	34,612	34,612	25,959	17,306	-	8,888
		W	3,067	3,067	2,393	1,779	-	662	2,848	2,848	2,222	1,652	-	614	2,461	2,461	1,920	1,428	-	531	1,450	1,450	1,131	841	-	313
82	27.8	Q(Btu/h)	45,587	45,587	34,190	22,793	-	11,980	42,210	42,210	31,658	21,105	-	11,093	38,411	38,411	28,808	19,206	-	10,094	34,612	34,612	25,959	17,306	-	9,096
		W	3,005	3,005	2,344	1,743	-	639	2,754	2,754	2,148	1,598	-	585	2,315	2,315	1,806	1,343	-	492	1,367	1,367	1,066	793	-	291
78	25.6	Q(Btu/h)	46,176	46,176	34,632	23,088	-	12,253	42,756	42,756	32,067	21,378	-	11,345	38,908	38,908	29,181	19,454	-	10,324	35,060	35,060	26,295	17,530	-	9,303
		W	2,880	2,880	2,246	1,670	-	610	2,629	2,629	2,051	1,525	-	557	2,169	2,169	1,691	1,258	-	459	1,284	1,284	1,002	745	-	272
74	23.3	Q(Btu/h)	46,176	46,176	34,632	23,088	-	12,524	42,756	42,756	32,067	21,378	-	11,596	38,908	38,908	29,181	19,454	-	10,552	35,060	35,060	26,295	17,530	-	9,509
		W	2,817	2,817	2,197	1,634	-	594	2,504	2,504	1,953	1,452	-	528	2,022	2,022	1,577	1,173	-	426	1,201	1,201	937	697	-	253
70	21.1	Q(Btu/h)	46,222	46,222	34,666	23,111	-	12,793	42,798	42,798	32,099	21,399	-	11,846	38,946	38,946	29,210	19,473	-	10,779	35,094	35,094	26,321	17,547	-	9,713
		W	2,754	2,754	2,148	1,598	-	578	2,379	2,379	1,855	1,380	-	500	1,876	1,876	1,463	1,088	-	394	1,119	1,119	873	649	-	235
66	18.9	Q(Btu/h)	46,267	46,267	34,700	23,134	-	12,926	42,840	42,840	32,130	21,420	-	11,969	38,984	38,984	29,238	19,492	-	10,892	35,129	35,129	26,347	17,564	-	9,814
		W	2,754	2,754	2,148	1,598	-	513	2,316	2,316	1,807	1,343	-	431	1,801	1,801	1,405	1,045	-	335	1,075	1,075	839	624	-	200
62	16.7	Q(Btu/h)	46,267	46,267	34,700	23,134	-	13,193	42,840	42,840	32,130	21,420	-	12,215	38,984	38,984	29,238	19,492	-	11,116	35,129	35,129	26,347	17,564	-	10,017
		W	2,754	2,754	2,148	1,598	-	479	2,316	2,316	1,807	1,343	-	403	1,798	1,798	1,402	1,043	-	313	1,072	1,072	836	622	-	187
58	14.4	Q(Btu/h)	46,267	46,267	34,700	23,134	-	13,333	42,840	42,840	32,130	21,420	-	12,345	38,984	38,984	29,238	19,492	-	11,234	35,129	35,129	26,347	17,564	-	10,123
		W	2,754	2,754	2,148	1,598	-	438	2,316	2,316	1,807	1,343	-	368	1,794	1,794	1,399	1,041	-	285	1,068	1,068	833	619	-	170
54	12.2	Q(Btu/h)	46,267	46,267	34,700	23,134	-	13,596	42,840	42,840	32,130	21,420	-	12,589	38,984	38,984	29,238	19,492	-	11,456	35,129	35,129	26,347	17,564	-	10,323
		W	2,754	2,754	2,148	1,598	-	404	2,316	2,316	1,807	1,343	-	340	1,791	1,791	1,397	1,039	-	263	1,064	1,064	830	617	-	156
50	10.0	Q(Btu/h)	46,267	46,267	34,700	23,134	-	13,302	42,840	42,840	32,130	21,420	-	12,317	38,984	38,984	29,238	19,492	-	11,208	35,129	35,129	26,347	17,564	-	10,100
		W	2,754	2,754	2,148	1,598	-	436	2,316	2,316	1,807	1,343	-	367	1,787	1,787	1,394	1,037	-	283	1,060	1,060	827	615	-	168
46	7.8	Q(Btu/h)	46,267	46,267	34,700	23,134	-	13,137	42,840	42,840	32,130	21,420	-	12,164	38,984	38,984	29,238	19,492	-	11,069	35,129	35,129	26,347	17,564	-	9,974
		W	2,754	2,754	2,148	1,598	-	452	2,316	2,316	1,807	1,343	-	380	1,784	1,784	1,391	1,035	-	293	1,056	1,056	824	613	-	173
42	5.6	Q(Btu/h)	46,267	46,267	34,700	23,134	-	13,394	42,840	42,840	32,130	21,420	-	12,402	38,984	38,984	29,238	19,492	-	11,286	35,129	35,129	26,347	17,564	-	10,170
		W	2,754	2,754	2,148	1,598	-	420	2,316	2,316	1,807	1,343	-	353	1,780	1,780	1,389	1,033	-	271	1,052	1,052	821	610	-	160
38	3.3	Q(Btu/h)	46,267	46,267	34,700	23,134	-	13,652	42,840	42,840	32,130	21,420	-	12,641	38,984	38,984	29,238	19,492	-	11,503	35,129	35,129	26,347	17,564	-	10,365
		W	2,754	2,754	2,148	1,598	-	419	2,316	2,316	1,807	1,343	-	352	1,777	1,777	1,386	1,031	-	270	1,048	1,048	818	608	-	159
34	1.1	Q(Btu/h)	46,267	46,267	34,700	23,134	-	13,909	42,840	42,840	32,130	21,420	-	12,879	38,984	38,984	29,238	19,492	-	11,720	35,129	35,129	26,347	17,564	-	10,561
		W	2,754	2,754	2,148	1,598	-	419	2,316	2,316	1,807	1,343	-	352	1,773	1,773	1,383	1,029	-	270	1,044	1,044	815	606	-	159
30	-1.1	Q(Btu/h)	46,267	46,267	34,700	23,134	-	14,167	42,840	42,840	32,130	21,420	-	13,118	38,984	38,984	29,238	19,492	-	11,937	35,129	35,129	26,347	17,564	-	10,756
		W	2,754	2,754	2,148	1,598	-	419	2,316	2,316	1,807	1,343	-	352	1,770	1,770	1,381	1,027	-	269	1,041	1,041	812	604	-	158
26	-3.3	Q(Btu/h)	46,267	46,267	34,700	23,134	-	14,425	42,840	42,840	32,130	21,420	-	13,356	38,984	38,984	29,238	19,492	-	12,154	35,129	35,129	26,347	17,564	-	10,952
		W	2,754	2,754	2,148	1,598	-	419	2,316	2,316	1,807	1,343	-	352	1,767	1,767	1,378	1,025	-	269	1,037	1,037	809	601	-	158
23	-5.0	Q(Btu/h)	46,267	46,267	34,700	23,134	-	14,682	42,840	42,840	32,130	21,420	-	13,595	38,984	38,984	29,238	19,492	-	12,371	35,129	35,129	26,347	17,564	-	11,148
		W	2,754	2,754	2,148	1,598	-	419	2,316	2,316	1,807	1,343	-	352	1,764	1,764	1,376	1,023	-	268	1,034	1,034	806	600	-	157
18	-7.8	Q(Btu/h)	46,267	46,267	34,700	23,134	-	14,940	42,840	42,840	32,130	21,420	-	13,833	38,984	38,984	29,238	19,492	-	12,588	35,129	35,129	26,347	17,564	-	11,343
		W	2,754	2,754	2,148	1,598	-	419	2,316	2,316	1,807	1,343	-	352	1,764	1,764	1,376	1,023	-	268	1,034	1,034	806	600	-	157
14	-10.0	Q(Btu/h)	46,267	46,267	34,700	23,134	-	15,197	42,840	42,840	32,130	21,420	-	14,072	38,984	38,984	29,238	19,492	-	12,805	35,129	35,129	26,347	17,564	-	11,539
		W	2,754	2,754	2,148	1,598	-	419	2,316	2,316	1,807	1,343	-	352	1,764	1,764	1,376	1,023	-	268	1,034	1,034	806	600	-	157
10	-12.2	Q(Btu/h)	46,267	46,267	34,700	23,134	-	15,455	42,840	42,840	32,130	21,420	-	14,310	38,984	38,984	29,238	19,492	-	13,022	35,129	35,129	26,347	17,564	-	11,734
		W	2,754	2,754	2,148	1,598	-	419	2,316	2,316	1,807	1,343	-	352	1,764	1,764	1,376	1,023	-	268	1,034	1,034	806	600	-	157
6	-14.4	Q(Btu/h)	46,267	46,267	34,700	23,134	-	15,712	42,840	42,840	32,130	21,420	-	14,549	38,984	38,984	29,238	19,492	-	13,239	35,129	35,129	26,347	17,564	-	11,930
		W	2,754	2,754	2,148	1,598	-	419	2,316	2,316	1,807	1,343	-	352	1,764	1,764	1,376	1,023	-	268	1,034	1,034	806	600	-	157

* It may not reach the above capacities in low ambient temperatures.
* An air outlet guide is needed for ambient temperatures below 41˚F.

MXZ-5C42NAHZ2-U1
2) HEATING

Rated
Q(Btu/h): 48,000
W: 3,430

Indoor D.B.			80˚F / 26.7˚C						70°F / 21.1°C						60˚F / 15.6˚C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
60	15.6	Q(Btu/h)	37,440	37,440	28,454	18,346	-	12,951	48,000	48,000	36,480	23,520	-	16,604	58,080	58,080	44,141	28,459	-	20,091
		W	2,058	2,058	1,646	1,194	-	541	2,401	2,401	1,921	1,393	-	631	1,715	1,715	1,372	995	-	451
55	12.8	Q(Btu/h)	37,440	37,440	28,454	18,346	-	12,224	48,000	48,000	36,480	23,520	-	15,672	58,080	58,080	44,141	28,459	-	18,963
		W	2,401	2,401	1,921	1,393	-	574	2,658	2,658	2,127	1,542	-	636	1,887	1,887	1,509	1,094	-	451
50	10.0	Q(Btu/h)	37,440	37,440	28,454	18,346	-	11,505	48,000	48,000	36,480	23,520	-	14,750	58,080	58,080	44,141	28,459	-	17,848
		W	2,573	2,573	2,058	1,492	-	562	2,916	2,916	2,332	1,691	-	637	2,058	2,058	1,646	1,194	-	450
47	8.3	Q(Btu/h)	37,440	37,440	28,454	18,346	-	11,077	48,000	48,000	36,480	23,520	-	14,201	58,080	58,080	44,141	28,459	-	17,183
		W	2,830	2,830	2,264	1,641	-	584	3,087	3,087	2,470	1,790	-	637	2,230	2,230	1,784	1,293	-	460
42	5.6	Q(Btu/h)	37,954	37,954	28,845	18,598	-	10,398	48,659	48,659	36,981	23,843	-	13,331	58,878	58,878	44,747	28,850	-	16,130
		W	3,087	3,087	2,470	1,790	-	571	3,430	3,430	2,744	1,989	-	634	2,401	2,401	1,921	1,393	-	444
35	1.7	Q(Btu/h)	42,174	42,174	32,052	20,665	-	10,312	54,069	54,069	41,092	26,494	-	13,221	65,423	65,423	49,722	32,057	-	15,997
		W	3,430	3,430	2,744	1,989	-	808	3,704	3,704	2,964	2,149	-	872	2,744	2,744	2,195	1,592	-	646
32	0.0	Q(Btu/h)	42,705	42,705	32,456	20,925	10,249	9,754	54,750	54,750	41,610	26,827	13,140	12,505	66,247	66,247	50,348	32,461	15,899	15,131
		W	3,602	3,602	2,881	2,089	1,369	822	3,773	3,773	3,018	2,188	1,434	861	2,830	2,830	2,264	1,641	1,075	646
27	-2.8	Q(Btu/h)	41,946	41,946	31,879	20,554	10,067	8,978	53,777	53,777	40,871	26,351	12,907	11,510	65,070	65,070	49,454	31,885	15,617	13,927
		W	3,704	3,704	2,964	2,149	1,408	759	4,047	4,047	3,238	2,347	1,538	830	3,001	3,001	2,401	1,741	1,140	615
22	-5.6	Q(Btu/h)	41,486	41,486	31,529	20,328	9,957	8,633	53,187	53,187	40,422	26,062	12,765	11,068	64,356	64,356	48,911	31,535	15,445	13,392
		W	4,047	4,047	3,238	2,347	1,538	732	4,373	4,373	3,499	2,536	1,662	791	3,259	3,259	2,607	1,890	1,238	589
17	-8.3	Q(Btu/h)	40,915	40,915	31,095	20,048	9,820	8,062	52,455	52,455	39,866	25,703	12,589	10,336	63,471	63,471	48,238	31,101	15,233	12,507
		W	4,202	4,202	3,361	2,437	1,597	664	4,716	4,716	3,773	2,735	1,792	745	3,636	3,636	2,909	2,109	1,382	574
12	-11.1	Q(Btu/h)	40,303	40,303	30,630	19,748	9,673	6,999	51,670	51,670	39,270	25,319	12,401	8,973	62,521	62,521	47,516	30,635	15,005	10,858
		W	4,288	4,288	3,430	2,487	1,629	575	5,145	5,145	4,116	2,984	1,955	689	4,202	4,202	3,361	2,437	1,597	563
5	-15.0	Q(Btu/h)	39,411	39,411	29,952	19,311	9,459	5,564	50,526	50,526	38,400	24,758	12,126	7,133	61,137	61,137	46,464	29,957	14,673	8,631
		W	4,373	4,373	3,499	2,536	1,662	474	5,505	5,505	4,404	3,193	2,092	597	4,888	4,888	3,910	2,835	1,857	530
2	-16.7	Q(Btu/h)	37,768	37,768	28,704	18,507	9,064	4,955	48,421	48,421	36,800	23,726	11,621	6,352	58,589	58,589	44,528	28,709	14,061	7,686
		W	4,116	4,116	3,293	2,387	1,564	414	5,488	5,488	4,390	3,183	2,085	551	5,145	5,145	4,116	2,984	1,955	517
-3	-19.4	Q(Btu/h)	35,032	35,032	26,624	17,165	8,408	4,267	44,912	44,912	34,133	22,007	10,779	5,471	54,344	54,344	41,301	26,628	13,043	6,620
		W	3,773	3,773	3,018	2,188	1,434	357	5,231	5,231	4,185	3,034	1,988	495	5,402	5,402	4,322	3,133	2,053	511
-8	-22.2	Q(Btu/h)	32,295	32,295	24,544	15,824	7,751	3,250	41,404	41,404	31,467	20,288	9,937	4,167	50,098	50,098	38,075	24,548	12,024	5,042
		W	3,344	3,344	2,675	1,940	1,271	265	4,974	4,974	3,979	2,885	1,890	394	5,745	5,745	4,596	3,332	2,183	456
-13	-25.0	Q(Btu/h)	29,558	29,558	22,464	14,483	7,094	2,259	37,895	37,895	28,800	18,568	9,095	2,897	45,853	45,853	34,848	22,468	11,005	3,505
		W	2,916	2,916	2,332	1,691	1,108	172	4,802	4,802	3,842	2,785	1,825	283	5,488	5,488	4,390	3,183	2,085	323

* Above data is for heating operation without any frost.

MXZ-8C48NAHZ2-U1

1) COOLING

Rated
Q(Btu/h): 48,000
W: 3,930

Indoor W.B.			72°F / 22.2°C						67°F / 19.4°C						64°F / 17.8°C						61°F / 16.1°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																									
115	46.1	Q(Btu/h)	32,659	32,659	24,494	16,330	-	11,052	30,240	30,240	22,680	15,120	-	10,233	27,518	27,518	20,639	13,759	-	9,312	24,797	24,797	18,598	12,398	-	8,391
		W	1,886	1,886	1,509	1,094	-	1,015	1,965	1,965	1,572	1,140	-	1,058	1,955	1,955	1,564	1,134	-	1,052	2,045	2,045	1,636	1,186	-	1,101
110	43.3	Q(Btu/h)	38,880	38,880	29,160	19,440	-	11,458	36,000	36,000	27,000	18,000	-	10,609	32,760	32,760	24,570	16,380	-	9,655	29,520	29,520	22,140	14,760	-	8,700
		W	2,515	2,515	2,012	1,459	-	951	2,672	2,672	2,138	1,550	-	1,010	2,679	2,679	2,144	1,554	-	1,013	2,714	2,714	2,171	1,574	-	1,026
106	41.1	Q(Btu/h)	44,064	44,064	33,048	22,032	-	11,782	40,800	40,800	30,600	20,400	-	10,910	37,128	37,128	27,846	18,564	-	9,928	33,456	33,456	25,092	16,728	-	8,946
		W	2,908	2,908	2,327	1,687	-	888	3,183	3,183	2,547	1,846	-	972	3,262	3,262	2,609	1,892	-	996	2,325	2,325	1,860	1,348	-	710
102	38.9	Q(Btu/h)	48,211	48,211	36,158	24,106	-	12,109	44,640	44,640	33,480	22,320	-	11,212	40,622	40,622	30,467	20,311	-	10,203	36,605	36,605	27,454	18,302	-	9,194
		W	3,380	3,380	2,704	1,960	-	873	3,616	3,616	2,892	2,097	-	934	3,913	3,913	3,131	2,270	-	1,011	2,231	2,231	1,785	1,294	-	576
98	36.7	Q(Btu/h)	51,322	51,322	38,491	25,661	-	12,429	47,520	47,520	35,640	23,760	-	11,508	43,243	43,243	32,432	21,622	-	10,472	38,966	38,966	29,225	19,483	-	9,436
		W	3,930	3,930	3,144	2,279	-	871	4,048	4,048	3,238	2,348	-	897	3,679	3,679	2,943	2,134	-	815	2,138	2,138	1,710	1,240	-	474
94	34.4	Q(Btu/h)	51,840	51,840	38,880	25,920	-	12,747	48,000	48,000	36,000	24,000	-	11,803	43,680	43,680	32,760	21,840	-	10,740	39,360	39,360	29,520	19,680	-	9,678
		W	4,048	4,048	3,238	2,348	-	894	3,891	3,891	3,113	2,257	-	859	3,458	3,458	2,766	2,006	-	764	2,028	2,028	1,622	1,176	-	448
90	32.2	Q(Btu/h)	52,099	52,099	39,074	26,050	-	13,064	48,240	48,240	36,180	24,120	-	12,096	43,898	43,898	32,924	21,949	-	11,007	39,557	39,557	29,668	19,778	-	9,919
		W	3,930	3,930	3,144	2,279	-	865	3,734	3,734	2,987	2,165	-	822	3,274	3,274	2,619	1,899	-	721	1,924	1,924	1,539	1,116	-	424
86	30.0	Q(Btu/h)	52,099	52,099	39,074	26,050	-	13,378	48,240	48,240	36,180	24,120	-	12,387	43,898	43,898	32,924	21,949	-	11,272	39,557	39,557	29,668	19,778	-	10,158
		W	3,851	3,851	3,081	2,234	-	845	3,576	3,576	2,861	2,074	-	785	3,090	3,090	2,472	1,792	-	678	1,820	1,820	1,456	1,056	-	400
82	27.8	Q(Btu/h)	52,099	52,099	39,074	26,050	-	13,692	48,240	48,240	36,180	24,120	-	12,678	43,898	43,898	32,924	21,949	-	11,537	39,557	39,557	29,668	19,778	-	10,396
		W	3,773	3,773	3,018	2,188	-	816	3,458	3,458	2,767	2,006	-	748	2,907	2,907	2,325	1,686	-	629	1,716	1,716	1,373	995	-	371
78	25.6	Q(Btu/h)	52,773	52,773	39,580	26,387	-	14,003	48,864	48,864	36,648	24,432	-	12,966	44,466	44,466	33,350	22,233	-	11,799	40,068	40,068	30,051	20,034	-	10,632
		W	3,616	3,616	2,892	2,097	-	779	3,301	3,301	2,641	1,915	-	711	2,723	2,723	2,178	1,579	-	587	1,612	1,612	1,290	935	-	347
74	23.3	Q(Btu/h)	52,773	52,773	39,580	26,387	-	14,313	48,864	48,864	36,648	24,432	-	13,253	44,466	44,466	33,350	22,233	-	12,060	40,068	40,068	30,051	20,034	-	10,867
		W	3,537	3,537	2,830	2,051	-	759	3,144	3,144	2,515	1,824	-	675	2,539	2,539	2,031	1,473	-	545	1,509	1,509	1,207	875	-	324
70	21.1	Q(Btu/h)	52,825	52,825	39,619	26,412	-	14,621	48,912	48,912	36,684	24,456	-	13,538	44,510	44,510	33,382	22,255	-	12,319	40,108	40,108	30,081	20,054	-	11,101
		W	3,458	3,458	2,767	2,006	-	739	2,987	2,987	2,389	1,732	-	638	2,355	2,355	1,884	1,366	-	503	1,405	1,405	1,124	815	-	300
66	18.9	Q(Btu/h)	52,877	52,877	39,658	26,438	-	14,773	48,960	48,960	36,720	24,480	-	13,679	44,554	44,554	33,415	22,277	-	12,448	40,147	40,147	30,110	20,074	-	11,217
		W	3,458	3,458	2,767	2,006	-	656	2,908	2,908	2,327	1,687	-	551	2,261	2,261	1,809	1,312	-	429	1,350	1,350	1,080	783	-	256
62	16.7	Q(Btu/h)	52,877	52,877	39,658	26,438	-	15,077	48,960	48,960	36,720	24,480	-	13,960	44,554	44,554	33,415	22,277	-	12,704	40,147	40,147	30,110	20,074	-	11,448
		W	3,458	3,458	2,767	2,006	-	613	2,908	2,908	2,327	1,687	-	515	2,257	2,257	1,806	1,309	-	400	1,345	1,345	1,076	780	-	238
58	14.4	Q(Btu/h)	52,877	52,877	39,658	26,438	-	15,238	48,960	48,960	36,720	24,480	-	14,109	44,554	44,554	33,415	22,277	-	12,839	40,147	40,147	30,110	20,074	-	11,569
		W	3,458	3,458	2,767	2,006	-	559	2,908	2,908	2,327	1,687	-	470	2,253	2,253	1,802	1,307	-	364	1,341	1,341	1,072	778	-	217
54	12.2	Q(Btu/h)	52,877	52,877	39,658	26,438	-	15,539	48,960	48,960	36,720	24,480	-	14,388	44,554	44,554	33,415	22,277	-	13,093	40,147	40,147	30,110	20,074	-	11,798
		W	3,458	3,458	2,767	2,006	-	517	2,908	2,908	2,327	1,687	-	434	2,248	2,248	1,799	1,304	-	336	1,336	1,336	1,069	775	-	200
50	10.0	Q(Btu/h)	52,877	52,877	39,658	26,438	-	15,203	48,960	48,960	36,720	24,480	-	14,077	44,554	44,554	33,415	22,277	-	12,810	40,147	40,147	30,110	20,074	-	11,543
		W	3,458	3,458	2,767	2,006	-	557	2,908	2,908	2,327	1,687	-	468	2,244	2,244	1,795	1,302	-	361	1,331	1,331	1,065	772	-	214
46	7.8	Q(Btu/h)	52,877	52,877	39,658	26,438	-	15,013	48,960	48,960	36,720	24,480	-	13,901	44,554	44,554	33,415	22,277	-	12,650	40,147	40,147	30,110	20,074	-	11,399
		W	3,458	3,458	2,767	2,006	-	578	2,908	2,908	2,327	1,687	-	486	2,240	2,240	1,792	1,299	-	374	1,326	1,326	1,061	769	-	222
42	5.6	Q(Btu/h)	52,877	52,877	39,658	26,438	-	15,308	48,960	48,960	36,720	24,480	-	14,174	44,554	44,554	33,415	22,277	-	12,898	40,147	40,147	30,110	20,074	-	11,622
		W	3,458	3,458	2,767	2,006	-	536	2,908	2,908	2,327	1,687	-	451	2,235	2,235	1,788	1,297	-	347	1,321	1,321	1,057	766	-	205
38	3.3	Q(Btu/h)	52,877	52,877	39,658	26,438	-	15,602	48,960	48,960	36,720	24,480	-	14,446	44,554	44,554	33,415	22,277	-	13,146	40,147	40,147	30,110	20,074	-	11,846
		W	3,458	3,458	2,767	2,006	-	535	2,908	2,908	2,327	1,687	-	450	2,231	2,231	1,785	1,294	-	345	1,316	1,316	1,053	763	-	204
34	1.1	Q(Btu/h)	52,877	52,877	39,658	26,438	-	15,896	48,960	48,960	36,720	24,480	-	14,719	44,554	44,554	33,415	22,277	-	13,394	40,147	40,147	30,110	20,074	-	12,070
		W	3,458	3,458	2,767	2,006	-	535	2,908	2,908	2,327	1,687	-	450	2,227	2,227	1,781	1,291	-	345	1,311	1,311	1,049	761	-	203
30	-1.1	Q(Btu/h)	52,877	52,877	39,658	26,438	-	16,191	48,960	48,960	36,720	24,480	-	14,991	44,554	44,554	33,415	22,277	-	13,642	40,147	40,147	30,110	20,074	-	12,293
		W	3,458	3,458	2,767	2,006	-	535	2,908	2,908	2,327	1,687	-	450	2,222	2,222	1,778	1,289	-	344	1,307	1,307	1,045	758	-	202
26	-3.3	Q(Btu/h)	52,877	52,877	39,658	26,438	-	16,485	48,960	48,960	36,720	24,480	-	15,264	44,554	44,554	33,415	22,277	-	13,890	40,147	40,147	30,110	20,074	-	12,517
		W	3,458	3,458	2,767	2,006	-	535	2,908	2,908	2,327	1,687	-	450	2,218	2,218	1,774	1,286	-	343	1,302	1,302	1,041	755	-	201
23	-5.0	Q(Btu/h)	52,877	52,877	39,658	26,438	-	16,780	48,960	48,960	36,720	24,480	-	15,537	44,554	44,554	33,415	22,277	-	14,138	40,147	40,147	30,110	20,074	-	12,740
		W	3,458	3,458	2,767	2,006	-	535	2,908	2,908	2,327	1,687	-	450	2,215	2,215	1,772	1,285	-	343	1,298	1,298	1,038	753	-	201
18	-7.8	Q(Btu/h)	52,877	52,877	39,658	26,438	-	17,074	48,960	48,960	36,720	24,480	-	15,809	44,554	44,554	33,415	22,277	-	14,386	40,147	40,147	30,110	20,074	-	12,964
		W	3,458	3,458	2,767	2,006	-	535	2,908	2,908	2,327	1,687	-	450	2,215	2,215	1,772	1,285	-	343	1,298	1,298	1,038	753	-	201
14	-10.0	Q(Btu/h)	52,877	52,877	39,658	26,438	-	17,368	48,960	48,960	36,720	24,480	-	16,082	44,554	44,554	33,415	22,277	-	14,634	40,147	40,147	30,110	20,074	-	13,187
		W	3,458	3,458	2,767	2,006	-	535	2,908	2,908	2,327	1,687	-	450	2,215	2,215	1,772	1,285	-	343	1,298	1,298	1,038	753	-	201
10	-12.2	Q(Btu/h)	52,877	52,877	39,658	26,438	-	17,663	48,960	48,960	36,720	24,480	-	16,354	44,554	44,554	33,415	22,277	-	14,882	40,147	40,147	30,110	20,074	-	13,411
		W	3,458	3,458	2,767	2,006	-	535	2,908	2,908	2,327	1,687	-	450	2,215	2,215	1,772	1,285	-	343	1,298	1,298	1,038	753	-	201
6	-14.4	Q(Btu/h)	52,877	52,877	39,658	26,438	-	17,957	48,960	48,960	36,720	24,480	-	16,627	44,554	44,554	33,415	22,277	-	15,130	40,147	40,147	30,110	20,074	-	13,634
		W	3,458	3,458	2,767	2,006	-	535	2,908	2,908	2,327	1,687	-	450	2,215	2,215	1,772	1,285	-	343	1,298	1,298	1,038	753	-	201

* It may not reach the above capacities in low ambient temperatures.
* An air outlet guide is needed for ambient temperatures below 41˚F.

MXZ-8C48NAHZ2-U1
2) HEATING

Rated
Q(Btu/h): 54,000
W: 4,220

Indoor D.B.			80˚F / 26.7˚C						70°F / 21.1°C						60˚F / 15.6˚C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
60	15.6	Q(Btu/h)	42,120	42,120	31,590	21,060	-	14,570	54,000	54,000	40,500	27,000	-	18,680	65,340	65,340	49,005	32,670	-	22,602
		W	2,532	2,532	2,026	1,469	-	666	2,954	2,954	2,363	1,713	-	777	2,110	2,110	1,688	1,224	-	555
55	12.8	Q(Btu/h)	42,120	42,120	31,590	21,060	-	13,752	54,000	54,000	40,500	27,000	-	17,631	65,340	65,340	49,005	32,670	-	21,334
		W	2,954	2,954	2,363	1,713	-	706	3,271	3,271	2,616	1,897	-	782	2,321	2,321	1,857	1,346	-	555
50	10.0	Q(Btu/h)	42,120	42,120	31,590	21,060	-	12,943	54,000	54,000	40,500	27,000	-	16,594	65,340	65,340	49,005	32,670	-	20,079
		W	3,165	3,165	2,532	1,836	-	692	3,587	3,587	2,870	2,080	-	784	2,532	2,532	2,026	1,469	-	553
47	8.3	Q(Btu/h)	42,120	42,120	31,590	21,060	-	12,461	54,000	54,000	40,500	27,000	-	15,976	65,340	65,340	49,005	32,670	-	19,331
		W	3,482	3,482	2,785	2,019	-	718	3,798	3,798	3,038	2,203	-	784	2,743	2,743	2,194	1,591	-	566
42	5.6	Q(Btu/h)	42,698	42,698	32,024	21,349	-	11,698	54,742	54,742	41,056	27,371	-	14,997	66,237	66,237	49,678	33,119	-	18,147
		W	3,798	3,798	3,038	2,203	-	702	4,220	4,220	3,376	2,448	-	780	2,954	2,954	2,363	1,713	-	546
35	1.7	Q(Btu/h)	47,445	47,445	35,584	23,723	11,861	11,601	60,827	60,827	45,621	30,414	15,207	14,874	73,601	73,601	55,201	36,801	18,400	17,997
		W	4,220	4,220	3,376	2,448	1,604	994	4,558	4,558	3,646	2,643	1,732	1,073	3,376	3,376	2,701	1,958	1,283	795
32	0.0	Q(Btu/h)	48,043	48,043	36,032	24,021	12,011	10,973	61,593	61,593	46,195	30,797	15,398	14,068	74,528	74,528	55,896	37,264	18,632	17,022
		W	4,431	4,431	3,545	2,570	1,684	1,011	4,642	4,642	3,714	2,692	1,764	1,059	3,482	3,482	2,785	2,019	1,323	794
27	-2.8	Q(Btu/h)	47,190	47,190	35,392	23,595	11,797	10,100	60,499	60,499	45,375	30,250	15,125	12,949	73,204	73,204	54,903	36,602	18,301	15,668
		W	4,558	4,558	3,646	2,643	1,732	934	4,980	4,980	3,984	2,888	1,892	1,021	3,693	3,693	2,954	2,142	1,403	757
22	-5.6	Q(Btu/h)	46,672	46,672	35,004	23,336	11,668	9,712	59,835	59,835	44,876	29,918	14,959	12,451	72,401	72,401	54,301	36,200	18,100	15,066
		W	4,980	4,980	3,984	2,888	1,892	900	5,381	5,381	4,304	3,121	2,045	973	4,009	4,009	3,207	2,325	1,523	725
17	-8.3	Q(Btu/h)	46,029	46,029	34,522	23,015	11,507	9,070	59,012	59,012	44,259	29,506	14,753	11,628	71,404	71,404	53,553	35,702	17,851	14,070
		W	5,170	5,170	4,136	2,998	1,964	817	5,803	5,803	4,642	3,365	2,205	917	4,473	4,473	3,579	2,594	1,700	707
12	-11.1	Q(Btu/h)	45,341	45,341	34,006	22,670	11,335	7,874	58,129	58,129	43,597	29,065	14,532	10,095	70,336	70,336	52,752	35,168	17,584	12,215
		W	5,275	5,275	4,220	3,060	2,005	707	6,330	6,330	5,064	3,671	2,405	848	5,170	5,170	4,136	2,998	1,964	693
5	-15.0	Q(Btu/h)	44,337	44,337	33,253	22,168	11,084	6,259	56,842	56,842	42,632	28,421	14,211	8,025	68,779	68,779	51,584	34,389	17,195	9,710
		W	5,381	5,381	4,304	3,121	2,045	584	6,773	6,773	5,418	3,928	2,574	735	6,014	6,014	4,811	3,488	2,285	652
2	-16.7	Q(Btu/h)	42,489	42,489	31,867	21,245	10,622	5,574	54,474	54,474	40,855	27,237	13,618	7,146	65,913	65,913	49,435	32,957	16,478	8,647
		W	5,064	5,064	4,051	2,937	1,924	509	6,752	6,752	5,402	3,916	2,566	679	6,330	6,330	5,064	3,671	2,405	636
-3	-19.4	Q(Btu/h)	39,411	39,411	29,558	19,705	9,853	4,801	50,526	50,526	37,895	25,263	12,632	6,155	61,137	61,137	45,853	30,568	15,284	7,447
		W	4,642	4,642	3,714	2,692	1,764	440	6,436	6,436	5,148	3,733	2,445	609	6,647	6,647	5,317	3,855	2,526	629
-8	-22.2	Q(Btu/h)	36,332	36,332	27,249	18,166	9,083	3,657	46,579	46,579	34,934	23,289	11,645	4,688	56,361	56,361	42,270	28,180	14,090	5,673
		W	4,115	4,115	3,292	2,386	1,564	326	6,119	6,119	4,895	3,549	2,325	485	7,069	7,069	5,655	4,100	2,686	561
-13	-25.0	Q(Btu/h)	33,253	33,253	24,939	16,626	8,313	2,542	42,632	42,632	31,974	21,316	10,658	3,259	51,584	51,584	38,688	25,792	12,896	3,943
		W	3,587	3,587	2,870	2,080	1,363	211	5,908	5,908	4,726	3,427	2,245	348	6,752	6,752	5,402	3,916	2,566	398

* Above data is for heating operation without any frost.

MXZ-8C48NA2-U1

1) COOLING

Rated
Q(Btu/h): 48,000
W: 3,930

Indoor W.B.			72°F / 22.2°C						67°F / 19.4°C						64°F / 17.8°C						61°F / 16.1°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																									
115	46.1	Q(Btu/h)	32,659	32,659	24,494	16,330	-	11,052	30,240	30,240	22,680	15,120	-	10,233	27,518	27,518	20,639	13,759	-	9,312	24,797	24,797	18,598	12,398	-	8,391
		W	1,886	1,886	1,509	1,094	-	1,015	1,965	1,965	1,572	1,140	-	1,058	1,955	1,955	1,564	1,134	-	1,052	2,045	2,045	1,636	1,186	-	1,101
110	43.3	Q(Btu/h)	38,880	38,880	29,160	19,440	-	11,458	36,000	36,000	27,000	18,000	-	10,609	32,760	32,760	24,570	16,380	-	9,655	29,520	29,520	22,140	14,760	-	8,700
		W	2,515	2,515	2,012	1,459	-	951	2,672	2,672	2,138	1,550	-	1,010	2,679	2,679	2,144	1,554	-	1,013	2,714	2,714	2,171	1,574	-	1,026
106	41.1	Q(Btu/h)	44,064	44,064	33,048	22,032	-	11,782	40,800	40,800	30,600	20,400	-	10,910	37,128	37,128	27,846	18,564	-	9,928	33,456	33,456	25,092	16,728	-	8,946
		W	2,908	2,908	2,327	1,687	-	888	3,183	3,183	2,547	1,846	-	972	3,262	3,262	2,609	1,892	-	996	2,325	2,325	1,860	1,348	-	710
102	38.9	Q(Btu/h)	48,211	48,211	36,158	24,106	-	12,109	44,640	44,640	33,480	22,320	-	11,212	40,622	40,622	30,467	20,311	-	10,203	36,605	36,605	27,454	18,302	-	9,194
		W	3,380	3,380	2,704	1,960	-	873	3,616	3,616	2,892	2,097	-	934	3,913	3,913	3,131	2,270	-	1,011	2,231	2,231	1,785	1,294	-	576
98	36.7	Q(Btu/h)	51,322	51,322	38,491	25,661	-	12,429	47,520	47,520	35,640	23,760	-	11,508	43,243	43,243	32,432	21,622	-	10,472	38,966	38,966	29,225	19,483	-	9,436
		W	3,930	3,930	3,144	2,279	-	871	4,048	4,048	3,238	2,348	-	897	3,679	3,679	2,943	2,134	-	815	2,138	2,138	1,710	1,240	-	474
94	34.4	Q(Btu/h)	51,840	51,840	38,880	25,920	-	12,747	48,000	48,000	36,000	24,000	-	11,803	43,680	43,680	32,760	21,840	-	10,740	39,360	39,360	29,520	19,680	-	9,678
		W	4,048	4,048	3,238	2,348	-	894	3,891	3,891	3,113	2,257	-	859	3,458	3,458	2,766	2,006	-	764	2,028	2,028	1,622	1,176	-	448
90	32.2	Q(Btu/h)	52,099	52,099	39,074	26,050	-	13,064	48,240	48,240	36,180	24,120	-	12,096	43,898	43,898	32,924	21,949	-	11,007	39,557	39,557	29,668	19,778	-	9,919
		W	3,930	3,930	3,144	2,279	-	865	3,734	3,734	2,987	2,165	-	822	3,274	3,274	2,619	1,899	-	721	1,924	1,924	1,539	1,116	-	424
86	30.0	Q(Btu/h)	52,099	52,099	39,074	26,050	-	13,378	48,240	48,240	36,180	24,120	-	12,387	43,898	43,898	32,924	21,949	-	11,272	39,557	39,557	29,668	19,778	-	10,158
		W	3,851	3,851	3,081	2,234	-	845	3,576	3,576	2,861	2,074	-	785	3,090	3,090	2,472	1,792	-	678	1,820	1,820	1,456	1,056	-	400
82	27.8	Q(Btu/h)	52,099	52,099	39,074	26,050	-	13,692	48,240	48,240	36,180	24,120	-	12,678	43,898	43,898	32,924	21,949	-	11,537	39,557	39,557	29,668	19,778	-	10,396
		W	3,773	3,773	3,018	2,188	-	816	3,458	3,458	2,767	2,006	-	748	2,907	2,907	2,325	1,686	-	629	1,716	1,716	1,373	995	-	371
78	25.6	Q(Btu/h)	52,773	52,773	39,580	26,387	-	14,003	48,864	48,864	36,648	24,432	-	12,966	44,466	44,466	33,350	22,233	-	11,799	40,068	40,068	30,051	20,034	-	10,632
		W	3,616	3,616	2,892	2,097	-	779	3,301	3,301	2,641	1,915	-	711	2,723	2,723	2,178	1,579	-	587	1,612	1,612	1,290	935	-	347
74	23.3	Q(Btu/h)	52,773	52,773	39,580	26,387	-	14,313	48,864	48,864	36,648	24,432	-	13,253	44,466	44,466	33,350	22,233	-	12,060	40,068	40,068	30,051	20,034	-	10,867
		W	3,537	3,537	2,830	2,051	-	759	3,144	3,144	2,515	1,824	-	675	2,539	2,539	2,031	1,473	-	545	1,509	1,509	1,207	875	-	324
70	21.1	Q(Btu/h)	52,825	52,825	39,619	26,412	-	14,621	48,912	48,912	36,684	24,456	-	13,538	44,510	44,510	33,382	22,255	-	12,319	40,108	40,108	30,081	20,054	-	11,101
		W	3,458	3,458	2,767	2,006	-	739	2,987	2,987	2,389	1,732	-	638	2,355	2,355	1,884	1,366	-	503	1,405	1,405	1,124	815	-	300
66	18.9	Q(Btu/h)	52,877	52,877	39,658	26,438	-	14,773	48,960	48,960	36,720	24,480	-	13,679	44,554	44,554	33,415	22,277	-	12,448	40,147	40,147	30,110	20,074	-	11,217
		W	3,458	3,458	2,767	2,006	-	656	2,908	2,908	2,327	1,687	-	551	2,261	2,261	1,809	1,312	-	429	1,350	1,350	1,080	783	-	256
62	16.7	Q(Btu/h)	52,877	52,877	39,658	26,438	-	15,077	48,960	48,960	36,720	24,480	-	13,960	44,554	44,554	33,415	22,277	-	12,704	40,147	40,147	30,110	20,074	-	11,448
		W	3,458	3,458	2,767	2,006	-	613	2,908	2,908	2,327	1,687	-	515	2,257	2,257	1,806	1,309	-	400	1,345	1,345	1,076	780	-	238
58	14.4	Q(Btu/h)	52,877	52,877	39,658	26,438	-	15,238	48,960	48,960	36,720	24,480	-	14,109	44,554	44,554	33,415	22,277	-	12,839	40,147	40,147	30,110	20,074	-	11,569
		W	3,458	3,458	2,767	2,006	-	559	2,908	2,908	2,327	1,687	-	470	2,253	2,253	1,802	1,307	-	364	1,341	1,341	1,072	778	-	217
54	12.2	Q(Btu/h)	52,877	52,877	39,658	26,438	-	15,539	48,960	48,960	36,720	24,480	-	14,388	44,554	44,554	33,415	22,277	-	13,093	40,147	40,147	30,110	20,074	-	11,798
		W	3,458	3,458	2,767	2,006	-	517	2,908	2,908	2,327	1,687	-	434	2,248	2,248	1,799	1,304	-	336	1,336	1,336	1,069	775	-	200
50	10.0	Q(Btu/h)	52,877	52,877	39,658	26,438	-	15,203	48,960	48,960	36,720	24,480	-	14,077	44,554	44,554	33,415	22,277	-	12,810	40,147	40,147	30,110	20,074	-	11,543
		W	3,458	3,458	2,767	2,006	-	557	2,908	2,908	2,327	1,687	-	468	2,244	2,244	1,795	1,302	-	361	1,331	1,331	1,065	772	-	214
46	7.8	Q(Btu/h)	52,877	52,877	39,658	26,438	-	15,013	48,960	48,960	36,720	24,480	-	13,901	44,554	44,554	33,415	22,277	-	12,650	40,147	40,147	30,110	20,074	-	11,399
		W	3,458	3,458	2,767	2,006	-	578	2,908	2,908	2,327	1,687	-	486	2,240	2,240	1,792	1,299	-	374	1,326	1,326	1,061	769	-	222
42	5.6	Q(Btu/h)	52,877	52,877	39,658	26,438	-	15,308	48,960	48,960	36,720	24,480	-	14,174	44,554	44,554	33,415	22,277	-	12,898	40,147	40,147	30,110	20,074	-	11,622
		W	3,458	3,458	2,767	2,006	-	536	2,908	2,908	2,327	1,687	-	451	2,235	2,235	1,788	1,297	-	347	1,321	1,321	1,057	766	-	205
38	3.3	Q(Btu/h)	52,877	52,877	39,658	26,438	-	15,602	48,960	48,960	36,720	24,480	-	14,446	44,554	44,554	33,415	22,277	-	13,146	40,147	40,147	30,110	20,074	-	11,846
		W	3,458	3,458	2,767	2,006	-	535	2,908	2,908	2,327	1,687	-	450	2,231	2,231	1,785	1,294	-	345	1,316	1,316	1,053	763	-	204
34	1.1	Q(Btu/h)	52,877	52,877	39,658	26,438	-	15,896	48,960	48,960	36,720	24,480	-	14,719	44,554	44,554	33,415	22,277	-	13,394	40,147	40,147	30,110	20,074	-	12,070
		W	3,458	3,458	2,767	2,006	-	535	2,908	2,908	2,327	1,687	-	450	2,227	2,227	1,781	1,291	-	345	1,311	1,311	1,049	761	-	203
30	-1.1	Q(Btu/h)	52,877	52,877	39,658	26,438	-	16,191	48,960	48,960	36,720	24,480	-	14,991	44,554	44,554	33,415	22,277	-	13,642	40,147	40,147	30,110	20,074	-	12,293
		W	3,458	3,458	2,767	2,006	-	535	2,908	2,908	2,327	1,687	-	450	2,222	2,222	1,778	1,289	-	344	1,307	1,307	1,045	758	-	202
26	-3.3	Q(Btu/h)	52,877	52,877	39,658	26,438	-	16,485	48,960	48,960	36,720	24,480	-	15,264	44,554	44,554	33,415	22,277	-	13,890	40,147	40,147	30,110	20,074	-	12,517
		W	3,458	3,458	2,767	2,006	-	535	2,908	2,908	2,327	1,687	-	450	2,218	2,218	1,774	1,286	-	343	1,302	1,302	1,041	755	-	201
23	-5.0	Q(Btu/h)	52,877	52,877	39,658	26,438	-	16,780	48,960	48,960	36,720	24,480	-	15,537	44,554	44,554	33,415	22,277	-	14,138	40,147	40,147	30,110	20,074	-	12,740
		W	3,458	3,458	2,767	2,006	-	535	2,908	2,908	2,327	1,687	-	450	2,215	2,215	1,772	1,285	-	343	1,298	1,298	1,038	753	-	201
18	-7.8	Q(Btu/h)	52,877	52,877	39,658	26,438	-	17,074	48,960	48,960	36,720	24,480	-	15,809	44,554	44,554	33,415	22,277	-	14,386	40,147	40,147	30,110	20,074	-	12,964
		W	3,458	3,458	2,767	2,006	-	535	2,908	2,908	2,327	1,687	-	450	2,215	2,215	1,772	1,285	-	343	1,298	1,298	1,038	753	-	201
14	-10.0	Q(Btu/h)	52,877	52,877	39,658	26,438	-	17,368	48,960	48,960	36,720	24,480	-	16,082	44,554	44,554	33,415	22,277	-	14,634	40,147	40,147	30,110	20,074	-	13,187
		W	3,458	3,458	2,767	2,006	-	535	2,908	2,908	2,327	1,687	-	450	2,215	2,215	1,772	1,285	-	343	1,298	1,298	1,038	753	-	201
10	-12.2	Q(Btu/h)	52,877	52,877	39,658	26,438	-	17,663	48,960	48,960	36,720	24,480	-	16,354	44,554	44,554	33,415	22,277	-	14,882	40,147	40,147	30,110	20,074	-	13,411
		W	3,458	3,458	2,767	2,006	-	535	2,908	2,908	2,327	1,687	-	450	2,215	2,215	1,772	1,285	-	343	1,298	1,298	1,038	753	-	201
6	-14.4	Q(Btu/h)	52,877	52,877	39,658	26,438	-	17,957	48,960	48,960	36,720	24,480	-	16,627	44,554	44,554	33,415	22,277	-	15,130	40,147	40,147	30,110	20,074	-	13,634
		W	3,458	3,458	2,767	2,006	-	535	2,908	2,908	2,327	1,687	-	450	2,215	2,215	1,772	1,285	-	343	1,298	1,298	1,038	753	-	201

* It may not reach the above capacities in low ambient temperatures.
* An air outlet guide is needed for ambient temperatures below 41˚F.

MXZ-8C48NA2-U1
2) HEATING

Rated
Q(Btu/h): 54,000
W: 4,220

Indoor D.B.			80˚F / 26.7˚C						70°F / 21.1°C						60˚F / 15.6˚C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
60	15.6	Q(Btu/h)	42,120	42,120	31,590	21,060	-	14,570	54,000	54,000	40,500	27,000	-	18,680	65,340	65,340	49,005	32,670	-	22,602
		W	2,110	2,110	1,688	1,224	-	571	2,870	2,870	2,296	1,664	-	777	2,532	2,532	2,026	1,469	-	685
55	12.8	Q(Btu/h)	42,120	42,120	31,590	21,060	-	13,752	54,000	54,000	40,500	27,000	-	17,631	65,340	65,340	49,005	32,670	-	21,334
		W	2,363	2,363	1,891	1,371	-	576	3,207	3,207	2,566	1,860	-	782	2,701	2,701	2,161	1,566	-	659
50	10.0	Q(Btu/h)	42,120	42,120	31,590	21,060	-	12,943	54,000	54,000	40,500	27,000	-	16,594	65,340	65,340	49,005	32,670	-	20,079
		W	2,616	2,616	2,093	1,518	-	579	3,545	3,545	2,836	2,056	-	784	2,954	2,954	2,363	1,713	-	653
47	8.3	Q(Btu/h)	42,120	42,120	31,590	21,060	-	12,461	54,000	54,000	40,500	27,000	-	15,976	65,340	65,340	49,005	32,670	-	19,331
		W	2,785	2,785	2,228	1,615	-	575	3,798	3,798	3,038	2,203	-	784	3,207	3,207	2,566	1,860	-	662
42	5.6	Q(Btu/h)	42,120	42,120	31,590	21,060	-	11,698	54,000	54,000	40,500	27,000	-	14,997	65,340	65,340	49,005	32,670	-	18,147
		W	3,038	3,038	2,431	1,762	-	540	4,389	4,389	3,511	2,546	-	780	3,587	3,587	2,870	2,080	-	638
35	1.7	Q(Btu/h)	42,120	42,120	31,590	21,060	-	11,601	54,000	54,000	40,500	27,000	-	14,874	65,340	65,340	49,005	32,670	-	17,997
		W	3,714	3,714	2,971	2,154	-	774	5,148	5,148	4,119	2,986	-	1,073	4,473	4,473	3,579	2,594	-	932
32	0.0	Q(Btu/h)	41,699	41,699	31,274	20,849	-	10,973	53,460	53,460	40,095	26,730	-	14,068	64,687	64,687	48,515	32,343	-	17,022
		W	4,051	4,051	3,241	2,350	-	807	5,317	5,317	4,254	3,084	-	1,059	4,642	4,642	3,714	2,692	-	925
27	-2.8	Q(Btu/h)	37,908	37,908	28,431	18,954	-	10,100	48,600	48,600	36,450	24,300	-	12,949	55,890	55,890	41,918	27,945	-	15,668
		W	4,473	4,473	3,579	2,594	-	933	4,895	4,895	3,916	2,839	-	1,021	4,220	4,220	3,376	2,448	-	880
22	-5.6	Q(Btu/h)	34,117	34,117	25,588	17,059	-	9,712	43,740	43,740	32,805	21,870	-	12,451	52,925	52,925	39,694	26,463	-	15,066
		W	4,980	4,980	3,984	2,888	-	1,063	4,558	4,558	3,646	2,643	-	973	3,798	3,798	3,038	2,203	-	811
17	-8.3	Q(Btu/h)	30,326	30,326	22,745	15,163	-	9,070	38,880	38,880	29,160	19,440	-	11,628	47,045	47,045	35,284	23,522	-	14,070
		W	4,811	4,811	3,849	2,790	-	1,066	4,136	4,136	3,308	2,399	-	917	3,292	3,292	2,633	1,909	-	730
12	-11.1	Q(Btu/h)	27,799	27,799	20,849	13,900	-	7,874	35,640	35,640	26,730	17,820	-	10,095	43,124	43,124	32,343	21,562	-	12,215
		W	4,473	4,473	3,579	2,594	-	1,022	3,714	3,714	2,971	2,154	-	848	2,870	2,870	2,296	1,664	-	655
5	-15.0	Q(Btu/h)	25,272	25,272	18,954	12,636	6,318	6,259	32,400	32,400	24,300	16,200	8,100	8,025	39,204	39,204	29,403	19,602	9,801	9,710
		W	3,882	3,882	3,106	2,252	1,475	939	3,038	3,038	2,431	1,762	1,155	735	2,194	2,194	1,756	1,273	834	531
2	-16.7	Q(Btu/h)	24,219	24,219	18,164	12,110	6,055	5,574	31,050	31,050	23,288	15,525	7,763	7,146	37,571	37,571	28,178	18,785	9,393	8,647
		W	3,629	3,629	2,903	2,105	1,379	884	2,785	2,785	2,228	1,615	1,058	679	1,899	1,899	1,519	1,101	722	463
-3	-19.4	Q(Btu/h)	22,745	22,745	17,059	11,372	5,686	4,801	29,160	29,160	21,870	14,580	7,290	6,155	35,284	35,284	26,463	17,642	8,821	7,447
		W	3,292	3,292	2,633	1,909	1,251	849	2,363	2,363	1,891	1,371	898	609	1,435	1,435	1,148	832	545	370
-8	-22.2	Q(Btu/h)	21,060	21,060	15,795	10,530	5,265	3,657	27,000	27,000	20,250	13,500	6,750	4,688	32,670	32,670	24,503	16,335	8,168	5,673
		W	2,870	2,870	2,296	1,664	1,090	717	1,941	1,941	1,553	1,126	738	485	928	928	743	538	353	232
-13	-25.0	Q(Btu/h)	19,375	19,375	14,531	9,688	4,844	2,542	24,840	24,840	18,630	12,420	6,210	3,259	30,056	30,056	22,542	15,028	7,514	3,943
		W	2,490	2,490	1,992	1,444	946	570	1,519	1,519	1,215	881	577	348	506	506	405	294	192	116

* Above data is for heating operation without any frost.

MXZ-8C60NA2-U1

Rated
Q(Btu/h): 60,000
W: 4,800

1) COOLING

Indoor W.B.			72°F / 22.2°C						67°F / 19.4°C						64°F / 17.8°C						61°F / 16.1°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																									
115	46.1	Q(Btu/h)	40,824	40,824	30,618	20,412	-	13,815	37,800	37,800	28,350	18,900	-	12,791	34,398	34,398	25,799	17,199	-	11,640	30,996	30,996	23,247	15,498	-	10,489
		W	2,304	2,304	2,028	1,498	-	1,219	2,400	2,400	2,112	1,560	-	1,269	2,387	2,387	2,101	1,552	-	1,263	2,498	2,498	2,198	1,624	-	1,321
110	43.3	Q(Btu/h)	48,600	48,600	36,450	24,300	-	14,323	45,000	45,000	33,750	22,500	-	13,262	40,950	40,950	30,713	20,475	-	12,068	36,900	36,900	27,675	18,450	-	10,875
		W	3,072	3,072	2,703	1,997	-	1,141	3,264	3,264	2,872	2,122	-	1,212	3,273	3,273	2,880	2,127	-	1,216	3,315	3,315	2,917	2,155	-	1,231
106	41.1	Q(Btu/h)	55,080	55,080	41,310	27,540	-	14,728	51,000	51,000	38,250	25,500	-	13,637	46,410	46,410	34,808	23,205	-	12,410	41,820	41,820	31,365	20,910	-	11,182
		W	3,552	3,552	3,126	2,309	-	1,066	3,888	3,888	3,421	2,527	-	1,167	3,984	3,984	3,506	2,589	-	1,196	2,839	2,839	2,499	1,846	-	852
102	38.9	Q(Btu/h)	60,264	60,264	45,198	30,132	-	15,136	55,800	55,800	41,850	27,900	-	14,015	50,778	50,778	38,084	25,389	-	12,753	45,756	45,756	34,317	22,878	-	11,492
		W	4,128	4,128	3,633	2,683	-	1,048	4,416	4,416	3,886	2,870	-	1,121	4,779	4,779	4,206	3,107	-	1,213	2,724	2,724	2,398	1,771	-	692
98	36.7	Q(Btu/h)	64,152	64,152	48,114	32,076	-	15,536	59,400	59,400	44,550	29,700	-	14,385	54,054	54,054	40,541	27,027	-	13,090	48,708	48,708	36,531	24,354	-	11,796
		W	4,800	4,800	4,224	3,120	-	1,045	4,944	4,944	4,351	3,214	-	1,076	4,494	4,494	3,955	2,921	-	978	2,611	2,611	2,298	1,697	-	568
94	34.4	Q(Btu/h)	64,800	64,800	48,600	32,400	-	15,934	60,000	60,000	45,000	30,000	-	14,753	54,600	54,600	40,950	27,300	-	13,426	49,200	49,200	36,900	24,600	-	12,098
		W	4,944	4,944	4,351	3,214	-	1,073	4,752	4,752	4,182	3,089	-	1,031	4,223	4,223	3,717	2,745	-	917	2,477	2,477	2,180	1,610	-	537
90	32.2	Q(Btu/h)	65,124	65,124	48,843	32,562	-	16,330	60,300	60,300	45,225	30,150	-	15,120	54,873	54,873	41,155	27,437	-	13,759	49,446	49,446	37,085	24,723	-	12,398
		W	4,800	4,800	4,224	3,120	-	1,038	4,560	4,560	4,013	2,964	-	987	3,999	3,999	3,519	2,599	-	865	2,350	2,350	2,068	1,527	-	508
86	30.0	Q(Btu/h)	65,124	65,124	48,843	32,562	-	16,723	60,300	60,300	45,225	30,150	-	15,484	54,873	54,873	41,155	27,437	-	14,091	49,446	49,446	37,085	24,723	-	12,697
		W	4,704	4,704	4,140	3,058	-	1,015	4,368	4,368	3,844	2,839	-	942	3,775	3,775	3,322	2,453	-	814	2,223	2,223	1,956	1,445	-	479
82	27.8	Q(Btu/h)	65,124	65,124	48,843	32,562	-	17,115	60,300	60,300	45,225	30,150	-	15,847	54,873	54,873	41,155	27,437	-	14,421	49,446	49,446	37,085	24,723	-	12,994
		W	4,608	4,608	4,055	2,995	-	979	4,224	4,224	3,717	2,746	-	898	3,550	3,550	3,124	2,308	-	755	2,096	2,096	1,845	1,363	-	446
78	25.6	Q(Btu/h)	65,966	65,966	49,475	32,983	-	17,504	61,080	61,080	45,810	30,540	-	16,207	55,583	55,583	41,687	27,791	-	14,749	50,086	50,086	37,564	25,043	-	13,290
		W	4,416	4,416	3,886	2,870	-	935	4,032	4,032	3,548	2,621	-	854	3,326	3,326	2,927	2,162	-	704	1,969	1,969	1,733	1,280	-	417
74	23.3	Q(Btu/h)	65,966	65,966	49,475	32,983	-	17,891	61,080	61,080	45,810	30,540	-	16,566	55,583	55,583	41,687	27,791	-	15,075	50,086	50,086	37,564	25,043	-	13,584
		W	4,320	4,320	3,802	2,808	-	911	3,840	3,840	3,379	2,496	-	810	3,101	3,101	2,729	2,016	-	654	1,842	1,842	1,621	1,198	-	389
70	21.1	Q(Btu/h)	66,031	66,031	49,523	33,016	-	18,276	61,140	61,140	45,855	30,570	-	16,922	55,637	55,637	41,728	27,819	-	15,399	50,135	50,135	37,601	25,067	-	13,876
		W	4,224	4,224	3,717	2,746	-	887	3,648	3,648	3,210	2,371	-	766	2,877	2,877	2,532	1,870	-	604	1,716	1,716	1,510	1,115	-	360
66	18.9	Q(Btu/h)	66,096	66,096	49,572	33,048	-	18,466	61,200	61,200	45,900	30,600	-	17,098	55,692	55,692	41,769	27,846	-	15,559	50,184	50,184	37,638	25,092	-	14,021
		W	4,224	4,224	3,717	2,746	-	787	3,552	3,552	3,126	2,309	-	662	2,762	2,762	2,430	1,795	-	514	1,649	1,649	1,451	1,072	-	307
62	16.7	Q(Btu/h)	66,096	66,096	49,572	33,048	-	18,847	61,200	61,200	45,900	30,600	-	17,451	55,692	55,692	41,769	27,846	-	15,880	50,184	50,184	37,638	25,092	-	14,309
		W	4,224	4,224	3,717	2,746	-	735	3,552	3,552	3,126	2,309	-	618	2,757	2,757	2,426	1,792	-	480	1,643	1,643	1,446	1,068	-	286
58	14.4	Q(Btu/h)	66,096	66,096	49,572	33,048	-	19,047	61,200	61,200	45,900	30,600	-	17,636	55,692	55,692	41,769	27,846	-	16,049	50,184	50,184	37,638	25,092	-	14,462
		W	4,224	4,224	3,717	2,746	-	671	3,552	3,552	3,126	2,309	-	564	2,751	2,751	2,421	1,788	-	437	1,637	1,637	1,441	1,064	-	260
54	12.2	Q(Btu/h)	66,096	66,096	49,572	33,048	-	19,423	61,200	61,200	45,900	30,600	-	17,985	55,692	55,692	41,769	27,846	-	16,366	50,184	50,184	37,638	25,092	-	14,747
		W	4,224	4,224	3,717	2,746	-	620	3,552	3,552	3,126	2,309	-	521	2,746	2,746	2,417	1,785	-	403	1,631	1,631	1,436	1,060	-	239
50	10.0	Q(Btu/h)	66,096	66,096	49,572	33,048	-	19,003	61,200	61,200	45,900	30,600	-	17,596	55,692	55,692	41,769	27,846	-	16,012	50,184	50,184	37,638	25,092	-	14,428
		W	4,224	4,224	3,717	2,746	-	668	3,552	3,552	3,126	2,309	-	562	2,741	2,741	2,412	1,781	-	434	1,625	1,625	1,430	1,057	-	257
46	7.8	Q(Btu/h)	66,096	66,096	49,572	33,048	-	18,767	61,200	61,200	45,900	30,600	-	17,377	55,692	55,692	41,769	27,846	-	15,813	50,184	50,184	37,638	25,092	-	14,249
		W	4,224	4,224	3,717	2,746	-	693	3,552	3,552	3,126	2,309	-	583	2,735	2,735	2,407	1,778	-	449	1,620	1,620	1,425	1,053	-	266
42	5.6	Q(Btu/h)	66,096	66,096	49,572	33,048	-	19,135	61,200	61,200	45,900	30,600	-	17,717	55,692	55,692	41,769	27,846	-	16,123	50,184	50,184	37,638	25,092	-	14,528
		W	4,224	4,224	3,717	2,746	-	643	3,552	3,552	3,126	2,309	-	541	2,730	2,730	2,403	1,775	-	416	1,614	1,614	1,420	1,049	-	246
38	3.3	Q(Btu/h)	66,096	66,096	49,572	33,048	-	19,503	61,200	61,200	45,900	30,600	-	18,058	55,692	55,692	41,769	27,846	-	16,433	50,184	50,184	37,638	25,092	-	14,808
		W	4,224	4,224	3,717	2,746	-	642	3,552	3,552	3,126	2,309	-	540	2,725	2,725	2,398	1,771	-	414	1,608	1,608	1,415	1,045	-	244
34	1.1	Q(Btu/h)	66,096	66,096	49,572	33,048	-	19,871	61,200	61,200	45,900	30,600	-	18,399	55,692	55,692	41,769	27,846	-	16,743	50,184	50,184	37,638	25,092	-	15,087
		W	4,224	4,224	3,717	2,746	-	642	3,552	3,552	3,126	2,309	-	540	2,720	2,720	2,393	1,768	-	413	1,602	1,602	1,410	1,041	-	244
30	-1.1	Q(Btu/h)	66,096	66,096	49,572	33,048	-	20,239	61,200	61,200	45,900	30,600	-	18,739	55,692	55,692	41,769	27,846	-	17,053	50,184	50,184	37,638	25,092	-	15,366
		W	4,224	4,224	3,717	2,746	-	642	3,552	3,552	3,126	2,309	-	540	2,714	2,714	2,389	1,764	-	413	1,596	1,596	1,404	1,037	-	243
26	-3.3	Q(Btu/h)	66,096	66,096	49,572	33,048	-	20,606	61,200	61,200	45,900	30,600	-	19,080	55,692	55,692	41,769	27,846	-	17,363	50,184	50,184	37,638	25,092	-	15,646
		W	4,224	4,224	3,717	2,746	-	642	3,552	3,552	3,126	2,309	-	540	2,709	2,709	2,384	1,761	-	412	1,590	1,590	1,399	1,033	-	242
23	-5.0	Q(Btu/h)	66,096	66,096	49,572	33,048	-	20,974	61,200	61,200	45,900	30,600	-	19,421	55,692	55,692	41,769	27,846	-	17,673	50,184	50,184	37,638	25,092	-	15,925
		W	4,224	4,224	3,717	2,746	-	642	3,552	3,552	3,126	2,309	-	540	2,705	2,705	2,381	1,758	-	411	1,585	1,585	1,395	1,031	-	241
18	-7.8	Q(Btu/h)	66,096	66,096	49,572	33,048	-	21,342	61,200	61,200	45,900	30,600	-	19,761	55,692	55,692	41,769	27,846	-	17,983	50,184	50,184	37,638	25,092	-	16,204
		W	4,224	4,224	3,717	2,746	-	642	3,552	3,552	3,126	2,309	-	540	2,705	2,705	2,381	1,758	-	411	1,585	1,585	1,395	1,031	-	241
14	-10.0	Q(Btu/h)	66,096	66,096	49,572	33,048	-	21,710	61,200	61,200	45,900	30,600	-	20,102	55,692	55,692	41,769	27,846	-	18,293	50,184	50,184	37,638	25,092	-	16,484
		W	4,224	4,224	3,717	2,746	-	642	3,552	3,552	3,126	2,309	-	540	2,705	2,705	2,381	1,758	-	411	1,585	1,585	1,395	1,031	-	241
10	-12.2	Q(Btu/h)	66,096	66,096	49,572	33,048	-	22,078	61,200	61,200	45,900	30,600	-	20,443	55,692	55,692	41,769	27,846	-	18,603	50,184	50,184	37,638	25,092	-	16,763
		W	4,224	4,224	3,717	2,746	-	642	3,552	3,552	3,126	2,309	-	540	2,705	2,705	2,381	1,758	-	411	1,585	1,585	1,395	1,031	-	241
6	-14.4	Q(Btu/h)	66,096	66,096	49,572	33,048	-	22,446	61,200	61,200	45,900	30,600	-	20,784	55,692	55,692	41,769	27,846	-	18,913	50,184	50,184	37,638	25,092	-	17,043
		W	4,224	4,224	3,717	2,746	-	642	3,552	3,552	3,126	2,309	-	540	2,705	2,705	2,381	1,758	-	411	1,585	1,585	1,395	1,031	-	241

* It may not reach the above capacities in low ambient temperatures.
* An air outlet guide is needed for ambient temperatures below 41˚F.

MXZ-8C60NA2-U1
2) HEATING

Rated
Q(Btu/h): 66,000
W: 5,530

Indoor D.B.			80˚F / 26.7˚C						70°F / 21.1°C						60˚F / 15.6˚C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
60	15.6	Q(Btu/h)	51,480	51,480	38,610	25,740	-	17,808	66,000	66,000	49,500	33,000	-	22,831	79,860	79,860	59,895	39,930	-	27,625
		W	2,765	2,765	2,212	1,438	-	748	3,760	3,760	3,008	1,955	-	1,018	3,318	3,318	2,654	1,725	-	898
55	12.8	Q(Btu/h)	51,480	51,480	38,610	25,740	-	16,808	66,000	66,000	49,500	33,000	-	21,549	79,860	79,860	59,895	39,930	-	26,075
		W	3,097	3,097	2,477	1,610	-	755	4,203	4,203	3,362	2,185	-	1,025	3,539	3,539	2,831	1,840	-	863
50	10.0	Q(Btu/h)	51,480	51,480	38,610	25,740	-	15,820	66,000	66,000	49,500	33,000	-	20,282	79,860	79,860	59,895	39,930	-	24,541
		W	3,429	3,429	2,743	1,783	-	758	4,645	4,645	3,716	2,416	-	1,028	3,871	3,871	3,097	2,013	-	856
47	8.3	Q(Btu/h)	51,480	51,480	38,610	25,740	-	15,230	66,000	66,000	49,500	33,000	-	19,526	79,860	79,860	59,895	39,930	-	23,626
		W	3,650	3,650	2,920	1,898	-	753	4,977	4,977	3,982	2,588	-	1,027	4,203	4,203	3,362	2,185	-	867
42	5.6	Q(Btu/h)	51,480	51,480	38,610	25,740	-	14,297	66,000	66,000	49,500	33,000	-	18,330	79,860	79,860	59,895	39,930	-	22,179
		W	3,982	3,982	3,185	2,070	-	708	5,751	5,751	4,601	2,991	-	1,022	4,701	4,701	3,760	2,444	-	836
35	1.7	Q(Btu/h)	51,480	51,480	38,610	25,740	-	14,180	66,000	66,000	49,500	33,000	-	18,179	79,860	79,860	59,895	39,930	-	21,996
		W	4,866	4,866	3,893	2,531	-	1,014	6,747	6,747	5,397	3,508	-	1,406	5,862	5,862	4,689	3,048	-	1,222
32	0.0	Q(Btu/h)	50,965	50,965	38,224	25,483	-	13,411	65,340	65,340	49,005	32,670	-	17,194	79,061	79,061	59,296	39,531	-	20,805
		W	5,309	5,309	4,247	2,761	-	1,058	6,968	6,968	5,574	3,623	-	1,388	6,083	6,083	4,866	3,163	-	1,212
27	-2.8	Q(Btu/h)	46,332	46,332	34,749	23,166	-	12,345	59,400	59,400	44,550	29,700	-	15,826	68,310	68,310	51,233	34,155	-	19,150
		W	5,862	5,862	4,689	3,048	-	1,223	6,415	6,415	5,132	3,336	-	1,338	5,530	5,530	4,424	2,876	-	1,153
22	-5.6	Q(Btu/h)	41,699	41,699	31,274	20,849	-	11,870	53,460	53,460	40,095	26,730	-	15,218	64,687	64,687	48,515	32,343	-	18,414
		W	6,525	6,525	5,220	3,393	-	1,393	5,972	5,972	4,778	3,106	-	1,275	4,977	4,977	3,982	2,588	-	1,062
17	-8.3	Q(Btu/h)	37,066	37,066	27,799	18,533	-	11,086	47,520	47,520	35,640	23,760	-	14,212	57,499	57,499	43,124	28,750	-	17,197
		W	6,304	6,304	5,043	3,278	-	1,397	5,419	5,419	4,336	2,818	-	1,201	4,313	4,313	3,451	2,243	-	956
12	-11.1	Q(Btu/h)	33,977	33,977	25,483	16,988	-	9,624	43,560	43,560	32,670	21,780	-	12,338	52,708	52,708	39,531	26,354	-	14,929
		W	5,862	5,862	4,689	3,048	-	1,339	4,866	4,866	3,893	2,531	-	1,112	3,760	3,760	3,008	1,955	-	859
5	-15.0	Q(Btu/h)	30,888	30,888	23,166	15,444	7,722	7,650	39,600	39,600	29,700	19,800	9,900	9,808	47,916	47,916	35,937	23,958	11,979	11,868
		W	5,088	5,088	4,070	2,646	1,526	1,230	3,982	3,982	3,185	2,070	1,194	963	2,876	2,876	2,300	1,495	863	695
2	-16.7	Q(Btu/h)	29,601	29,601	22,201	14,801	7,400	6,812	37,950	37,950	28,463	18,975	9,488	8,734	45,920	45,920	34,440	22,960	11,480	10,568
		W	4,756	4,756	3,805	2,473	1,427	1,159	3,650	3,650	2,920	1,898	1,095	889	2,489	2,489	1,991	1,294	747	606
-3	-19.4	Q(Btu/h)	27,799	27,799	20,849	13,900	6,950	5,868	35,640	35,640	26,730	17,820	8,910	7,523	43,124	43,124	32,343	21,562	10,781	9,102
		W	4,313	4,313	3,451	2,243	1,294	1,112	3,097	3,097	2,477	1,610	929	798	1,880	1,880	1,504	978	564	485
-8	-22.2	Q(Btu/h)	25,740	25,740	19,305	12,870	6,435	4,469	33,000	33,000	24,750	16,500	8,250	5,730	39,930	39,930	29,948	19,965	9,983	6,933
		W	3,760	3,760	3,008	1,955	1,128	940	2,544	2,544	2,035	1,323	763	636	1,217	1,217	973	633	365	304
-13	-25.0	Q(Btu/h)	23,681	23,681	17,761	11,840	5,920	3,107	30,360	30,360	22,770	15,180	7,590	3,983	36,736	36,736	27,552	18,368	9,184	4,819
		W	3,263	3,263	2,610	1,697	979	747	1,991	1,991	1,593	1,035	597	456	664	664	531	345	199	152

* Above data is for heating operation without any frost.