

Outdoor Unit Single Zone Heat Pump Ductless System

38MBRC Submittal Selection



Turn to the experts

Job Data:

Location:

Carrier #:

Tag #:

Date:



Outdoor Model #	Size
38MBRCQ36AA3	36K
38MBRCQ48AA3	48K
38MBRCQ58AA3	58K

Combination Selection	
Outdoor Unit	48K
Indoor Category	ALL

STANDARD FEATURES

- Variable Speed (Inverter)
- Factory installed Base Pan Heater
- Factory installed Crankcase Heater
- Low Voltage Controls
- Auto-Restart function
- Condenser High Temp Protection
- Quiet operation
- Anti-corrosive fin coating

LIMITED WARRANTY*

- 10 year limited to original purchaser on compressor and parts upon timely registration, otherwise 5 years
- *For residential applications.
- See warranty for full details.

NOTE: Images for illustration purposes only. Actual models may be slightly different.

Specifications

Outdoor - Heat Pump				
System	Outdoor Size		48K	
Electrical	Voltage, Phase, Cycle	V/Ph/Hz	208/230-1-60	
	MCA	A.	35	
	Recommended Fuse Size	A.	40	
	MOCP - Fuse Rating	A.	50	
	Short Circuit Current Rating (SCCR)	kA	2.4	
Operating Range	Cooling Outdoor DB Min - Max	*F(*C)	-22~130 (-30~55)	
	Heating Outdoor DB Min - Max	*F(*C)	-22~86 (-30~30)	
Piping	Total Piping Length	ft (m)	213 (65)	
	Piping Lift	ft (m)	98 (30)	
	Pipe Connection Size - Liquid	in (mm)	3/8 (9.52)	
	Pipe Connection Size - Suction	in (mm)	5/8 (16)	
	Type		R410A	
Refrigerant	Charge	lbs (kg)	9.26 (4.2)	
	Additional Refrigerant Charge (between Std & Max Piping Lengths)	Oz/ft (g/m)	0.32 (30)	
	Metering Device		EXV	
	Face Area	Sq. Ft.	13.6	
Outdoor Coil	No. Rows		2	
	Fins per inch		18	
	Circuits		8	
	Type		Rotary Inverter	
Compressor	Model		ATQ420D1UMU	
	Oil Type		VG74	
	Oil Charge	Fl. Oz.	39.5	
	Rated Current	RLA	23.5	
	Airflow	CFM	4,500	
Airflow & Sound	Sound Pressure	dB(A)	62.5	

* Condensing unit above or below indoor unit

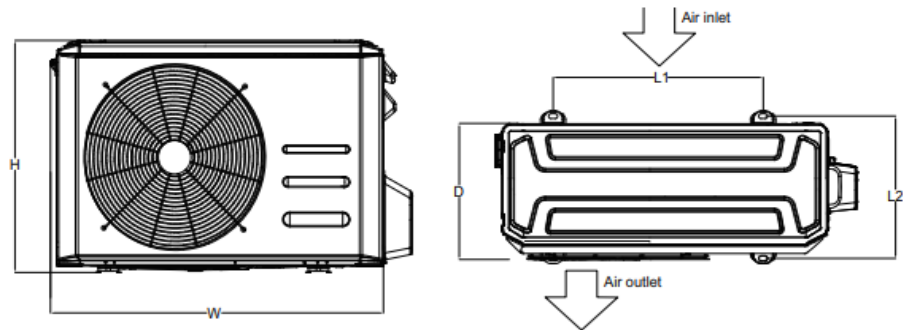
Performance

Outdoor Size		36K	48K	58K
Cassette	Indoor Model		48K	
	Energy Star		NO	
	Cooling System Tons		4.0	
	Cooling Rated Capacity	Btu/h	48,000	
	Cooling Cap. Range Min - Max	Btu/h	16,600~48,000	
	SEER		17.8	
	EER		9.5	
	Heating Rated Capacity (47°F)	Btu/h	50,000	
	Heating Rated Capacity (17°F)	Btu/h	28,000	
	Heating Maximum Capacity (17°F)	Btu/h	37,900	
	Heating Maximum Capacity (5°F)	Btu/h	30200	
	Heating Cap. Range Min - Max	Btu/h	11,850~52,000	
	HSPF		11.50	
	COP (47°F)	W/W	3.10	
	COP (17°F)	W/W	1.80	
	COP (5°F)	W/W	1.92	

	Outdoor Size	36K	48K	58K
Ducted	Indoor Model		48K	
	Energy Star		NO	
	Cooling System Tons		4.0	
	Cooling Rated Capacity	Btu/h	48,000	
	Cooling Cap. Range Min - Max	Btu/h	12,000–48,000	
	SEER		17.4	
	EER		9.2	
	Heating Rated Capacity (47°F)	Btu/h	50,000	
	Heating Rated Capacity (17°F)	Btu/h	29,000	
	Heating Maximum Capacity (17°F)	Btu/h	29,000	
	Heating Maximum Capacity (5°F)	Btu/h	32,000	
	Heating Cap. Range Min - Max	Btu/h	11,600–50,000	
	HSPF		10.3	
	COP (47°F)	W/W	3.00	
	COP (17°F)	W/W	2.57	
	COP (5°F)	W/W	1.95	
Console	Indoor Model		48K	
	Energy Star		NO	
	Cooling System Tons		4.0	
	Cooling Rated Capacity	Btu/h	48,000	
	Cooling Cap. Range Min - Max	Btu/h	15,800–48,000	
	SEER		18.0	
	EER		9.3	
	Heating Rated Capacity (47°F)	Btu/h	50,000	
	Heating Rated Capacity (17°F)	Btu/h	29,000	
	Heating Maximum Capacity (17°F)	Btu/h	29,000	
	Heating Maximum Capacity (5°F)	Btu/h	28,000	
	Heating Cap. Range Min - Max	Btu/h	12,000–50,000	
	HSPF		11.0	
	COP (47°F)	W/W	2.50	
	COP (17°F)	W/W	2.52	
	COP (5°F)	W/W	1.95	
Air Handler	Indoor Model		48K	
	Energy Star		NO	
	Cooling System Tons		4.0	
	Cooling Rated Capacity	Btu/h	48,000	
	Cooling Cap. Range Min - Max	Btu/h	11,800–51,900	
	SEER		16.2	
	EER		8.6	
	Heating Rated Capacity (47°F)	Btu/h	55,000	
	Heating Rated Capacity (17°F)	Btu/h	37,500	
	Heating Maximum Capacity (17°F)	Btu/h	37,500	
	Heating Maximum Capacity (5°F)	Btu/h	31,000	
	Heating Cap. Range Min - Max	Btu/h	11,900–58,000	
	HSPF		10.8	
	COP (47°F)	W/W	3.03	
	COP (17°F)	W/W	2.46	
	COP (5°F)	W/W	1.75	
FB4C Fan Coil	Indoor Model		FB4CNP060L	
	Indoor Model 2		FB4CNP061L	
	Energy Star		NO	
	Cooling System Tons		4.1	
	Cooling Rated Capacity	Btu/h	49,000	
	Cooling Cap. Range Min - Max	Btu/h	12500–51000	
	SEER2		15.5	
	EER2		9.5	
	Heating Rated Capacity (47°F)	Btu/h	41,500	
	Heating Rated Capacity (17°F)	Btu/h	28,400	
	Heating Maximum Capacity (5°F)	Btu/h	26,700	
	Heating Cap. Range Min - Max	Btu/h	12000–55000	
	HSPF2		8.0	
	COP (47°F)	W/W	3.10	
	COP (17°F)	W/W	2.44	
	COP (5°F)	W/W	1.80	
FX4D Fan Coil	Indoor Model		FX4DN(B,F)049L	
	Energy Star		NO	
	Cooling System Tons		4.3	
	Cooling Rated Capacity	Btu/h	51,000	
	Cooling Cap. Range Min - Max	Btu/h	12600–51500	
	SEER2		16.5	
	EER2		9.5	
	Heating Rated Capacity (47°F)	Btu/h	41,500	
	Heating Rated Capacity (17°F)	Btu/h	28,000	
	Heating Maximum Capacity (5°F)	Btu/h	26,400	
	Heating Cap. Range Min - Max	Btu/h	11900–53000	
	HSPF2		8.0	
	COP (47°F)	W/W	3.40	
	COP (17°F)	W/W	2.60	
	COP (5°F)	W/W	1.90	

FV4C Fan Coil	Outdoor Size		36K	48K	58K
	Indoor Model			FV4CNF005L	
	Energy Star			NO	
	Cooling System Tons			4.1	
	Cooling Rated Capacity	Btu/h		49,500	
	Cooling Cap. Range Min - Max	Btu/h		12400-51000	
	SEER2			14.5	
	EER2			9.4	
	Heating Rated Capacity (47°F)	Btu/h		44,000	
	Heating Rated Capacity (17°F)	Btu/h		29,400	
	Heating Maximum Capacity (5°F)	Btu/h		18,900	
	Heating Cap. Range Min - Max	Btu/h		12100-53200	
	HSPF2			8.0	
	COP (47°F)	W/W		3.20	
	COP (17°F)	W/W		2.50	
	COP (5°F)	W/W		1.75	

Dimensions



*Drawing for reference only; 48K & 58K models have dual fans.

Size			48K	
Width (W)	in (mm)		37.48 (952)	
Height (H)	in (mm)		52.48 (1333)	
Depth (D)	in (mm)		16.34 (415)	
L1	in (mm)		24.96 (634)	
L2	in (mm)		15.58 (396)	
Operating Weight	lbs (kg)		219.14 (99.4)	
Shipping Width	in (mm)		43.11 (1095)	
Shipping Height	in (mm)		58.27 (1480)	
Shipping Depth	in (mm)		19.49 (495)	
Shipping Weight	lbs (kg)		249.12 (113)	

