

## Outdoor Unit Single Zone Heat Pump Ductless System

Outdoor Model: 38MBRBQ48AA3

### Submittal Data

Job Data:  Location:

Buyer:  Buyer P.O. #:  Carrier #:

Unit Number:  Model Number:

Performance Data Certified By:  Date:



#### STANDARD FEATURES

##### Features Outdoor:

- Variable Speed (Inverter) Compressor
- Basepan Heater factory installed
- Quiet operation
- Aluminum Hydrophilic pre-coated fins
- Piping length 213 ft. (65 m)

Cooling operating range -13° ~ 122° F (-25° ~ 50°C)  
Heating operating range -22°~86°F (-30°~30°C)

#### 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.

# Specifications

System	Size		48
	Outdoor Model		38MBRBQ48AA3
Electrical	Voltage, Phase, Cycle	V/Ph/Hz	208/230-1-60
	MCA	A.	37
	MOCP - Fuse Rating	A.	50
Operating Range	Cooling Outdoor DB Min - Max	°F(°C)	-13~122 (-25~50)
	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)
Refrigerant	Type		R410A
	Charge	lbs (kg)	9.92 (4.5)
	Metering Device		EEV
Outdoor Coil	Face Area	Sq. Ft.	14.8
	No. Rows		2
	Fins per inch		18
	Circuits		8
Compressor	Type		R410A
	Model		KTQ420D1UMU
	Oil Type		ESTER OIL VG74
	Oil Charge	Fl. Oz.	47.35
	Rated Current		RLA 28
Outdoor	Unit Width	in (mm)	40.5 (1,030)
	Unit Height	in (mm)	52.4 (1,333)
	Unit Depth	in (mm)	17.6 (448)
	Net Weight	lbs (kg)	219.14 (99.4)
	Airflow	CFM	4,500
	Sound Pressure	dB(A)	62.9

\* Condensing unit above or below indoor unit  
For Compatibility See Product Data

# Performance

Air Handler	Indoor Model		40MBAAQ48XA3
	Energy Star		NO
	Cooling Rated Capacity	Btu/h	48,000
	Cooling Cap. Range Min - Max	Btu/h	14,300~70,000
	SEER		16
	EER		8.2
	Heating Rated Capacity (47°F)	Btu/h	55,000
	Heating Rated Capacity (17°F)	Btu/h	36,000
	Maximum Heating Capacity (5°F)	Btu/h	31,500
	Heating Cap. Range Min - Max	Btu/h	15,200~62,700
	HSPF		9.5
	COP (47°F)	W/W	2.6
	COP (17°F)	W/W	2.3
	COP (5°F)	W/W	2.08

Ducted	Indoor Model		40MBDQ48---3
	Energy Star		NO
	Cooling Rated Capacity	Btu/h	48,000
	Cooling Cap. Range Min - Max	Btu/h	15,700~76,700
	SEER		17.4
	EER		9.2
	Heating Rated Capacity (47°F)	Btu/h	50,000
	Heating Rated Capacity (17°F)	Btu/h	29,000
	Maximum Heating Capacity (5°F)	Btu/h	39,900
	Heating Cap. Range Min - Max	Btu/h	20,200~63,600
	HSPF		10.3
	COP (47°F)	W/W	3
	COP (17°F)	W/W	2.5
	COP (5°F)	W/W	2.19

Cassette	Indoor Model		40MBCQ48---3
	Energy Star		NO
	Cooling Rated Capacity	Btu/h	48,000
	Cooling Cap. Range Min - Max	Btu/h	14,300~70,000
	SEER		17
	EER		9.5
	Heating Rated Capacity (47°F)	Btu/h	50,000
	Heating Rated Capacity (17°F)	Btu/h	29,000
	Maximum Heating Capacity (5°F)	Btu/h	37,400
	Heating Cap. Range Min - Max	Btu/h	15,200~59,600
	HSPF		11
	COP (47°F)	W/W	3.1
	COP (17°F)	W/W	2.5
	COP (5°F)	W/W	2.45

Floor Console	Indoor Model		40MBFQ48---3
	Energy Star		NO
	Cooling Rated Capacity	Btu/h	48,000
	Cooling Cap. Range Min - Max	Btu/h	15,000~73,600
	SEER		18
	EER		9.3
	Heating Rated Capacity (47°F)	Btu/h	50,000
	Heating Rated Capacity (17°F)	Btu/h	29,000
	Maximum Heating Capacity (5°F)	Btu/h	42,700
	Heating Cap. Range Min - Max	Btu/h	17,400~68,000
	HSPF		11
	COP (47°F)	W/W	2.5
	COP (17°F)	W/W	2.3
	COP (5°F)	W/W	2.48

# Construction View

