

38MBRC Outdoor Unit

Preferred Series



OUTDOOR FEATURES

- Variable speed compressor
- High efficiency ECM fan motor
- 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

COMPATIBLE WITH

- 40MBAB Air Handler
- 40MBCAQ Cassette
- 40MBFQ Floor Console
- 40MBDQ Ducted

PREFERRED™
SERIES

Outdoor Heat Pump Unit

Inverter Compressor

Sizes: 36 / 48 / 58

KEY FEATURES

Premium Efficiency

Enjoy increased energy savings with a unit equipped with inverter technology that delivers first-rate comfort and efficiency.

Simple Maintenance

With convenient access to the control compartment through both top and side panels, this outdoor unit makes servicing and maintenance a breeze.



Air Handler
SIZES: 36 / 48



Cassette



Ducted



Floor Console

SPECIFICATIONS

38MBRC Outdoor Unit				
Heat Pump				
System				
Size		36K	48K	58K
Outdoor Model		38MBRCQ36AA3	38MBRCQ48AA3	38MBRCQ58AA3
Electrical				
Voltage-Phase-Cycle	V-Ph-Hz	208/230-1-60	208/230-1-60	208/230-1-60
MCA	A.	30	35	35
MOCP - Fuse Rating	A.	50	50	50
Operating Range				
Cooling Outdoor DB Min - Max	° F (° C)	-22~130 (-30~55)	-22~130 (-30~55)	-22~130 (-30~55)
Heating Outdoor DB Min - Max	° F (° C)	-22~86 (-30~30)	-22~86 (-30~30)	-22~86 (-30~30)
Piping				
Total Piping Length	ft (m)	213 (65)	213 (65)	213 (65)
Piping Lift*	ft (m)	98 (30)	98 (30)	98 (30)
Pipe Connection Size - Liquid	in (mm)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)
Pipe Connection Size - Suction	in (mm)	5/8 (16)	5/8 (16)	7/8 (22)
Refrigerant				
Type		R410A	R410A	R410A
Charge	lbs (kg)	6.72 (3.05)	9.26 (4.2)	10.58 (4.8)
Compressor				
Type		Rotary Inverter	Rotary Inverter	Rotary Inverter
Dimensions				
Unit Width	in (mm)	37.24 (946)	37.48 (952)	37.48 (952)
Unit Height	in (mm)	31.89 (810)	52.48 (1333)	52.48 (1333)
Unit Depth	in (mm)	16.14 (410)	16.34 (415)	16.34 (415)
Net Weight	lbs (kg)	148.59 (67.4)	219.14 (99.4)	217.15 (98.5)
Airflow	CFM	2,130	4,500	4,500
Sound Pressure	dB(A)	63	62.5	61.2

*Condensing unit above or below indoor unit.

COMPATIBILITY

Indoor Unit		Outdoor Unit		
		38MBRCQ36AA3	38MBRCQ48AA3	38MBRCQ58AA3
Air Handler	40MBABQ36XA3	•		
	40MBABQ48XA3		•	
	40MBABQ60XA3			•
Cassette	40MBCAQ36XA3	•		
	40MBCAQ48XA3		•	
Floor Console	40MBFQ36---3	•		
	40MBFQ48---3		•	
	40MBFQ58---3			•
Ducted	40MBDQ36---3	•		
	40MBDQ48---3		•	
	40MBDQ58---3			•

Manufacturer reserves the right to discontinue, or change at any time, specification or designs without notice or incurring obligations.

PERFORMANCE

40MBAB Air Handler				
Size		36K	48K	60K
Indoor Model		40MBABQ36XA3	40MBABQ48XA3	40MBABQ60XA3
Cooling System Tons		3.0	4.0	4.8
Cooling Rated Capacity	Btu/h	36,000	48,000	57,000
Cooling Cap. Range Min - Max	Btu/h	11,600-41,000	11,800~51,900	11,000~60,000
SEER		17.0	16.2	17.0
EER		8.8	8.6	10.0
Heating Rated Capacity (47° F)	Btu/h	38,000	55,000	60,000
Heating Rated Capacity (17° F)	Btu/h	25,600	37,500	34,000
Heating Maximum Capacity (17° F)	Btu/h	27,000	37,500	34,600
Heating Maximum Capacity (5° F)	Btu/h	22,000	31,000	33,000
Heating Cap. Range Min - Max	Btu/h	9,200-43,000	11,900~58,000	12,000~60,400
HSPF		11.3	10.8	10.4
COP (47° F)	W/W	3.35	3.03	3.2
COP (17° F)	W/W	2.61	2.46	2.52
COP (5° F)	W/W	1.9	1.75	1.81

PERFORMANCE

40MBCA Cassette			
Size		36K	48K
Indoor Model		40MBCAQ36XA3	40MBCAQ48XA3
Cooling System Tons		3.0	4.0
Cooling Rated Capacity	Btu/h	36,000	48,000
Cooling Cap. Range Min - Max	Btu/h	12,400~36,000	16,600~48,000
SEER		18.2	17.8
EER		9.0	9.5
Heating Rated Capacity (47° F)	Btu/h	38,000	50,000
Heating Rated Capacity (17° F)	Btu/h	23,000	28,000
Heating Maximum Capacity (17° F)	Btu/h	25,300	37,900
Heating Maximum Capacity (5° F)	Btu/h	22,300	30,200
Heating Cap. Range Min - Max	Btu/h	11,200~38,000	11,850~52,000
HSPF		10.6	11.5
COP (47° F)	W/W	3.01	3.1
COP (17° F)	W/W	1.9	1.8
COP (5° F)	W/W	2.02	1.92

PERFORMANCE

40MBF Floor Console				
Size		36K	48K	58K
Indoor Model		40MBFQ36---3	40MBFQ48---3	40MBFQ58---3
Cooling System Tons		3.0	4.0	4.5
Cooling Rated Capacity	Btu/h	36,000	48,000	54,000
Cooling Cap. Range Min - Max	Btu/h	11,400~36,000	15,800~48,000	15,000~54,000
SEER		17.0	18.0	18.0
EER		8.0	9.3	9.8
Heating Rated Capacity (47° F)	Btu/h	38,000	50,000	60,000
Heating Rated Capacity (17° F)	Btu/h	23,000	29,000	35,000
Heating Maximum Capacity (17° F)	Btu/h	23,000	29,000	35,000
Heating Maximum Capacity (5° F)	Btu/h	22,000	28,000	30,000
Heating Cap. Range Min - Max	Btu/h	11,400~38,000	12,000~50,000	17,000~62,000
HSPF		10.0	11.0	10.0
COP (47° F)	W/W	2.8	2.5	3
COP (17° F)	W/W	2.34	2.52	2.49
COP (5° F)	W/W	1.8	1.95	1.9

PERFORMANCE

40MBD Ducted				
Size		36K	48K	58K
Indoor Model		40MBDQ36---3	40MBDQ48---3	40MBDQ58---3
Cooling System Tons		3.0	4.0	4.8
Cooling Rated Capacity	Btu/h	36,000	48,000	57,000
Cooling Cap. Range Min - Max	Btu/h	5,900~36,000	12,000~48,000	13,000~59,000
SEER		16.7	17.4	18.0
EER		9.0	9.2	10.0
Heating Rated Capacity (47° F)	Btu/h	40,000	50,000	60,000
Heating Rated Capacity (17° F)	Btu/h	27,000	29,000	35,400
Heating Maximum Capacity (17° F)	Btu/h	25,000	29,000	35,400
Heating Maximum Capacity (5° F)	Btu/h	22,000	32,000	35,000
Heating Cap. Range Min - Max	Btu/h	12,700~40,000	11,600~50,000	12,000~61,000
HSPF		11.5	10.3	10.0
COP (47° F)	W/W	3.37	3	3.5
COP (17° F)	W/W	2.63	2.57	2.5
COP (5° F)	W/W	1.9	1.95	2.01

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