

38MBRB Outdoor Unit



Heat Pump With Basepan Heater

Inverter Compressor

Up to 16.5 SEER

Up to 10.4 HSPF

Sizes: 36 / 48

Features Outdoor

- Built-in basepan heater
- Condenser high-temperature protection
- Refrigerant leakage detection
- Quiet outdoor operation
- Anti-corrosive fin coating
- Piping length 213 ft. (65 m)
- Cooling operating range -13° ~ 122° F (-25° ~ 50° C)
- Heating operating range -22° ~ 86° F (-30° ~ 30° C)

Compatible with:

- 40MBAA Air Handler
- 40MBCQ Cassette
- 40MBDQ Ducted
- 40MBFQ Floor Console



The Payne 38MBRB outdoor unit offers unique efficiency, flexibility and performance in extreme conditions. The built-in low ambient kit enables outdoor fan speeds to change automatically based on the temperature – even cooling in low ambient temperatures. And, it comes with longer piping lengths, with a total length of up to 213' (65 m) for maximum installation flexibility.

38MBRB Outdoor Unit

Specifications			
38MBRB Outdoor Unit			
Heat Pump			
System			
Size		36	48
Outdoor Model		38MBRBQ36AA3	38MBRBQ48AA3
Electrical			
Voltage-Phase-Cycle	V-Ph-Hz	208/230-1-60	208/230-1-60
MCA	A.	30	36.5
MOCP - Fuse Rating	A.	45	50
Operating Range			
Cooling Outdoor DB Min - Max	° F (° C)	-13~122 (-25~50)	-13~122 (-25~50)
Heating Outdoor DB Min - Max	° F (° C)	-22~86 (-30~30)	-22~86 (-30~30)
Piping			
Total Piping Length	ft (m)	213 (65)	213 (65)
Piping Lift*	ft (m)	98 (30)	98 (30)
Pipe Connection	in (mm)	3/8 (9.52)	3/8 (9.52)
Size - Liquid			
Pipe Connection	in (mm)	5/8 (16)	5/8 (16)
Size - Suction			
Refrigerant			
Type		R410A	R410A
Charge	lbs (kg)	7.05 (3.2)	9.92 (4.5)
Compressor			
Type		Rotary Inverter	Rotary Inverter
Outdoor			
Unit Width	in (mm)	41.1 (1,045)	40.5 (1,030)
Unit Height	in (mm)	31.9 (810)	52.4 (1,333)
Unit Depth	in (mm)	17.9 (455)	17.6 (448)
Net Weight	lbs (kg)	155.42 (70.5)	219.14 (99.4)
Airflow	CFM	2,118	4,500
Sound Pressure	dB(A)	61.7	62.9

*Condensing unit above or below indoor unit.

Compatibility			
Indoor Unit		Outdoor Unit	
		38MBRBQ36AA3	38MBRBQ48AA3
40MBDQ	40MBDQ36---3	•	
Ducted	40MBDQ48---3		•
40MBAA	40MBAAQ36XA3	•	
Air Handler	40MBAAQ48XA3		•
40MBFQ	40MBFQ36---3	•	
Floor Console	40MBFQ48---3		•
40MBCQ Cassette	40MBCQ36---3	•	
	40MBCQ48---3		•

38MBRB Outdoor Unit

Performance			
40MBCQ Cassette			
Indoor Model		40MBCQ36---3	40MBCQ48---3
ENERGY STAR®		NO	NO
Cooling System Tons		3.0	4.0
Cooling Rated Capacity	Btu/h	36,000	48,000
Cooling Cap. Range Min - Max	Btu/h	7,500~52,200	14,300~70,000
SEER		17.60	17.00
EER		9.00	9.50
Heating Rated Capacity (47° F)	Btu/h	38,000	50,000
Heating Rated Capacity (17° F)	Btu/h	22,000	29,000
Heating Capacity (5° F)	Btu/h	32,200	37,400
Heating Cap. Range Min - Max	Btu/h	12,600~55,800	15,200~59,600
HSPF		10.6	11.0
COP (47° F)	W/W	3.01	3.10
COP (17° F)	W/W	2.49	2.50
COP (5° F)	W/W	2.41	2.45

Performance			
40MDQ Ducted			
Indoor Model		40MBDQ36---3	40MBDQ48---3
ENERGY STAR®		NO	NO
Cooling System Tons		3.0	4.0
Cooling Rated Capacity	Btu/h	36,000	48,000
Cooling Cap. Range Min - Max	Btu/h	7,500~52,100	15,700~76,700
SEER		16.7	17.4
EER		9	9.2
Heating Rated Capacity (47° F)	Btu/h	40,000	50,000
Heating Rated Capacity (17° F)	Btu/h	27,000	29,000
Heating Capacity (5° F)	Btu/h	29,100	39,900
Heating Cap. Range Min - Max	Btu/h	11,400~50,500	20,200~63,600
HSPF		11.5	10.3
COP (47° F)	W/W	3.37	3
COP (17° F)	W/W	2.6	2.5
COP (5° F)	W/W	2.5	2.19

38MBRB Outdoor Unit

Performance			
40MBFQ Floor Console			
Indoor Model		40MBFQ36---3	40MBFQ48---3
ENERGY STAR®		NO	NO
Cooling System Tons		3.0	4.0
Cooling Rated Capacity	Btu/h	36,000	48,000
Cooling Cap. Range Min - Max	Btu/h	7,500~52,100	15,000~73,600
SEER		17	18
EER		8	9.3
Heating Rated Capacity (47° F)	Btu/h	38,000	50,000
Heating Rated Capacity (17° F)	Btu/h	22,000	29,000
Heating Capacity (5° F)	Btu/h	29,300	42,700
Heating Cap. Range Min - Max	Btu/h	11,400~50,000	17,400~68,000
HSPF		10.0	11.0
COP (47° F)	W/W	2.8	2.5
COP (17° F)	W/W	2.3	2.3
COP (5° F)	W/W	2.05	2.48

Performance			
40MBAA Air Handler			
Indoor Model		40MBAAQ36XA3	40MBAAQ48XA3
Outdoor Model		38MBRBQ36AA3	38MBRBQ48AA3
ENERGY STAR®		NO	NO
Cooling System Tons		3.0	4.0
Cooling Rated Capacity	Btu/h	36,000	48,000
Cooling Cap. Range Min - Max	Btu/h	7,500-52,200	14,300-70,000
SEER		16.5	16
EER		8.5	8.2
Heating Rated Capacity (47° F)	Btu/h	39,000	55,000
Heating Rated Capacity (17° F)	Btu/h	25,000	36,000
Heating Capacity (5° F)	Btu/h	25,800	31,500
Heating Cap. Range Min - Max	Btu/h	11,800-45,400	15,200-62,700
HSPF		10.4	9.5
COP (47° F)	W/W	3.20	2.60
COP (17° F)	W/W	2.45	2.30
COP (5° F)	W/W	2.3	2.08



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

Visit our website at Payne.com

3300 Riverwood Parkway SE, Suite 900, Atlanta, GA 30339