

38MHRB Outdoor Unit

Legacy™ Line



OUTDOOR FEATURES

- Cost-competitive
- Available in 115V and 208/230V
- Auto-restart function
- Built-in basepan heater on heat pump units
- Refrigerant leakage detection
- Quiet outdoor operation, as low as 52 dB(A)
- Anti-corrosive fin coating
- Piping length 82 ~ 164 ft. (25-50 m.)
- Cooling operating range 0° ~ 122° F (-17° ~ 50° C)
- Heating operating range 0° ~ 86° F (-17° ~ 30° C)

COMPATIBLE WITH

- 40MHHC High Wall Cooling Only
- 40MHHQ High Wall Heat Pump

LEGACY™
LINE

Cooling Only – 38MHRBC

Heat Pump – 38MHRBQ With Basepan Heater

Inverter Compressor

Up to 19.8 SEER

10.6 HSPF

Sizes: 09 / 12 / 18 / 24

KEY FEATURES

Cost-Effective

An economical choice that can provide comfort when you need it.

Rapid Cooling and Heating

After start-up, the compressor quickly gets up to maximum speed, cooling or heating the room in minutes.

SPECIFICATIONS

38MHRBQ Outdoor Unit						
Heat Pump System						
Size		12	9	12	18	24
Outdoor Model		38MHRBQ12AA1	38MHRBQ09AA3	38MHRBQ12AA3	38MHRBQ18AA3	38MHRBQ24AA3
Electrical						
Voltage-Phase-Cycle	V-Ph-Hz	115-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
MCA	A.	13	8	10	15	18
MOCP - Fuse Rating	A.	20	15	15	20	25
Operating Range						
Cooling Outdoor DB Min - Max	° F (° C)	0~122 (-17~50)	0~122 (-17~50)	0~122 (-17~50)	0~122 (-17~50)	0~122 (-17~50)
Heating Outdoor DB Min - Max	° F (° C)	0~86 (-17~30)	0~86 (-17~30)	0~86 (-17~30)	0~86 (-17~30)	0~86 (-17~30)
Piping						
Total Piping Length	ft (m)	82 (25)	82 (25)	82 (25)	98 (30)	164 (50)
Piping Lift*	ft (m)	33 (10)	33 (10)	33 (10)	66 (20)	66 (20)
Pipe Connection Size - Liquid	in (mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	3/8 (9.52)
Pipe Connection Size - Suction	in (mm)	1/2 (12.7)	3/8 (9.52)	1/2 (12.7)	1/2 (12.7)	5/8 (16)
Refrigerant						
Type		R410A	R410A	R410A	R410A	R410A
Charge	lbs (kg)	2.12 (0.96)	1.76 (0.80)	2.12 (0.96)	2.82 (1.28)	3.97 (1.80)
Compressor						
Type		Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter
Outdoor						
Unit Width	in (mm)	30.31 (770)	30.31 (770)	30.31 (770)	31.50 (800)	33.27 (845)
Unit Height	in (mm)	21.85 (555)	21.85 (555)	21.85 (555)	21.81 (554)	27.64 (702)
Unit Depth	in (mm)	11.81 (300)	11.81 (300)	11.81 (300)	13.11 (333)	14.29 (363)
Net Weight	lbs (kg)	69 (31.3)	63 (28.6)	65.5 (29.7)	79.6 (36.1)	114.2 (51.8)
Airflow	CFM	1,170	1,170	1,170	1,170	1,765
Sound Pressure	dB(A)	54.5	57.2	57.4	57.0	60.2

*Condensing unit above or below indoor units.

COMPATIBILITY

Indoor Unit		Outdoor Unit				
		38MHRBQ12AA1	38MHRBQ09AA3	38MHRBQ12AA3	38MHRBQ18AA3	38MHRBQ24AA3
40MHHQ High Wall	40MHHQ12---1	•				
	40MHHQ09---3		•			
	40MHHQ12---3			•		
	40MHHQ18---3				•	
	40MHHQ24---3					•

PERFORMANCE

40MHHQ High Wall						
Heat Pump						
Indoor Unit		40MHHQ12---1	40MHHQ09---3	40MHHQ12---3	40MHHQ18---3	40MHHQ24---3
ENERGY STAR®		NO	NO	NO	NO	NO
Cooling System Tons		1.0	0.75	1.0	1.5	2.0
Cooling Rated Capacity	Btu/h	12,000	9,000	12,000	18,000	24,000
Cooling Cap. Range Min - Max	Btu/h	3,700~13,000	3,400~10,500	3,700~13,000	5,500~19,000	8,987~26,585
SEER		19.8	18.5	19.8	19.0	17.3
EER		10.0	11.2	11.2	11.2	9.7
Heating Rated Capacity (47° F)	Btu/h	12,000	9,800	12,000	18,000	24,800
Heating Rated Capacity (17° F)	Btu/h	8,000	7,500	9,230	11,600	18,000
Heating Maximum Capacity (17° F)	Btu/h	8,200	7,850	9,500	11,800	18,300
Heating Maximum Capacity (5° F)	Btu/h	9,000	6,070	8,880	10,150	16,760
Heating Cap. Range Min - Max	Btu/h	3,500~13,500	2,800~11,500	3,500~13,500	6,200~19,000	8,371~25,350
HSPF		10.6	10.0	9.6	10.6	9.6
GOP (47° F)	W/W	2.93	3.27	3.22	3.26	3.13
GOP (17° F)	W/W	2.58	2.58	2.64	2.64	2.49
GOP (5° F)	W/W	1.60	1.60	1.60	1.50	1.40

PERFORMANCE

40MHHC High Wall					
Cooling Only					
Indoor Unit		40MHHC12---1	40MHHC12---3	40MHHC18---3	40MHHC24---3
ENERGY STAR®		NO	NO	NO	NO
Cooling System Tons		1.0	1.0	1.4	1.8
Cooling Rated Capacity	Btu/h	12,000	11,500	17,000	22,000
Cooling Cap. Range Min - Max	Btu/h	4,800~13,200	4,800~13,000	5,800~18,600	4,900~24,100
SEER		17.3	19.0	19.0	18.5
EER		10.7	11.2	10.3	11.1

SPECIFICATIONS

38MHRBC Outdoor Unit					
Cooling Only					
System					
Size		12	12	18	24
Outdoor Model		38MHRBC12AA1	38MHRBC12AA3	38MHRBC18AA3	38MHRBC24AA3
Electrical					
Voltage-Phase-Cycle	V-Ph-Hz	115-1-60	208/230-1-60	208/230-1-60	208/230-1-60
MCA	A.	13	11	15	18
MOCP - Fuse Rating	A.	20	15	20	25
Operating Range					
Cooling Outdoor DB Min - Max	° F (° C)	0~122 (-17~50)	0~122 (-17~50)	0~122 (-17~50)	0~122 (-17~50)
Piping					
Total Piping Length	ft (m)	82 (25)	82 (25)	98 (30)	164 (50)
Piping Lift*	ft (m)	33 (10)	33 (10)	66 (20)	66 (20)
Pipe Connection Size - Liquid	in (mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	3/8 (9.52)
Pipe Connection Size - Suction	in (mm)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	5/8 (16)
Refrigerant					
Type		R410A	R410A	R410A	R410A
Charge	lbs (kg)	1.30 (0.59)	1.17 (0.53)	1.98 (0.90)	2.56 (1.16)
Compressor					
Type		Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter
Outdoor					
Unit Width	in (mm)	30.31 (770)	30.31 (770)	30.31 (770)	33.27 (845)
Unit Height	in (mm)	21.85 (555)	21.85 (555)	21.85 (555)	27.64 (702)
Unit Depth	in (mm)	11.81 (300)	11.81 (300)	11.81 (300)	14.29 (363)
Net Weight	lbs (kg)	57.8 (26.2)	53.8 (24.4)	65.9 (29.9)	88.6 (40.2)
Airflow	CFM	1,170	1,230	1,195	1,825
Sound Pressure	dB(A)	52.0	53.6	55.3	58.0

*Condensing unit above or below indoor units.

COMPATIBILITY

Indoor Unit		Outdoor Unit			
		38MHRBC12AA1	38MHRBC12AA3	38MHRBC18AA3	38MHRBC24AA3
40MHHC High Wall	40MHHC12---1	•			
	40MHHC12---3		•		
	40MHHC18---3			•	
	40MHHC24---3				•

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

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