

38MHRB Outdoor Unit

38MHRBC (Cooling Only)

38MHRBQ (Heat Pump with Basepan Heater)

Sizes: 09 / 12 / 18 / 24

Features:

- Cost competitive
- Rapid heating and cooling
- Available in 115V and 208/230V
- Built-in basepan heater on Heat Pump units
- Auto-restart function
- Refrigerant leakage detection
- Quiet outdoor operation, as low as 52 db(A)
- Aluminum Golden Hydrophilic pre-coated fins
- Inverter Compressor
 - Up to 19.8 SEER
 - Up to 10.6 HSPF
- 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:

- 40MHHQ High Wall (Cooling Only)
- 40MHHQ High Wall (Heat Pump)



This outdoor unit is an economical choice that can provide quick comfort to your customers when paired with a compatible Bryant high-wall indoor unit. After startup, the compressor rapidly reaches to its maximum speed, cooling or heating rooms in minutes.

LEGACY™
LINE

38MHRB Outdoor Unit

HEAT PUMP							
Size			12	9	12	18	24
System	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 unit

Compatibility Table						
INDOOR UNIT		38MHRBQ12AA1	38MHRBQ09AA3	38MHRBQ12AA3	38MHRBQ18AA3	38MHRBQ24AA3
High Wall	40MHHQ12---1	•				
	40MHHQ09---3		•			
	40MHHQ12---3			•		
	40MHHQ18---3				•	
	40MHHQ24---3					•

Performance						
Indoor Model		40MHHQ12---1	40MHHQ09---3	40MHHQ12---3	40MHHQ18---3	40MHHQ24---3
ENERGY STAR®		NO	NO	NO	NO	NO
Cooling System Tons		1.0	0.8	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		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	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		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
COP (47°F)	W/W	2.93	3.27	3.22	3.26	3.13
COP (17°F)	W/W	2.58	2.58	2.64	2.64	2.49
COP (5°F)	W/W	1.60	1.60	1.60	1.50	1.40

COOLING ONLY						
Size		12	12	18	24	
System	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	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 unit

Compatibility Table					
INDOOR UNIT		38MHRBC12AA1	38MHRBC12AA3	38MHRBC18AA3	38MHRBC24AA3
High Wall	40MHHC12---1	•			
	40MHHC12---3		•		
	40MHHC18---3			•	
	40MHHC24---3				•

Performance						
Indoor Model		40MHHC12---1	40MHHC12---3	40MHHC18---3	40MHHC24---3	
High Wall	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

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