

# Outdoor Unit Single Zone Heat Pump Ductless System

**Outdoor Model:** 38MAQB24R--3

## Submittal Data

Job Data:  Location:

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

Unit Number:  Model Number:

Performance Data Certified By:  Date:



### STANDARD FEATURES

- Variable Speed (Inverter)
- Factory installed Base Pan Heater
- Factory installed Crankcase Heater
- Low Voltage Controls
- Auto-Restart function
- Condenser High Temp Protection
- Refrigerant Leakage Detection
- Modes: Cool, Heat, Dry, Fan, Auto
- Quiet operation
- Aluminum Golden Hydrophilic pre-coated fins

### 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.



NOTE: Images for illustration purposes only. Actual models may be slightly different.

System	Size	24	
	Outdoor Model	38MAQB24R--3	
Electrical	Voltage, Phase, Cycle	V/Ph/Hz	208/230-1-60
	MCA	A.	20
	MOCP - Fuse Rating	A.	30
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)	98 (30)
	Piping Lift <sup>1</sup>	ft (m)	65 (20)
	Pipe Connection Size - Liquid	in (mm)	3/8 (9.52)
	Pipe Connection Size - Suction	in (mm)	5/8 (16)
Refrigerant	Refrigerant Type	R410A	
	Metering Device	EEV	
	Charge	lbs (kg)	5.73 (2.60)

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

Outdoor Coil	Face Area	Sq. Ft.	8.0
	No. Rows	2	
	Fins per inch	20	
	Circuits	4	
Compressor	Type	Rotary Inverter	
	Model	ATF235D22UMT	
	Oil Type	VG74	
	Oil Charge	Fl. Oz.	23.6
Outdoor	Rated Current	RLA	14.0
	Unit Width	in (mm)	37.24 (946)
Outdoor	Unit Height	in (mm)	31.89 (810)
	Unit Depth	in (mm)	16.14 (410)
	Net Weight	lbs (kg)	145.5 (66)
	Airflow	CFM	2,130
	Sound Pressure	dB(A)	60.5

# Performance

High Wall	Indoor Model		40MAQB24B--3
	Indoor Model		619PEQ024BBMA
	Indoor Model		DHMSHAQ24XA3
	Energy Star		YES
	Cooling Rated Capacity	Btu/h	24,000
	Cooling Cap. Range Min - Max	Btu/h	5500~24500
	SEER		20.5
	EER		13
	Heating Rated Capacity (47°F)	Btu/h	24,000
	Heating Rated Capacity (17°F)	Btu/h	15,400
	Heating Maximum Capacity (17°F)	Btu/h	24,000
	Heating Maximum Capacity (5°F)	Btu/h	24,000
	Heating Cap. Range Min - Max	Btu/h	6000~32000
	HSPF		11.5
	COP (47°F)	W/W	3.10
COP (17°F)	W/W	2.64	
COP (5°F)	W/W	1.77	
Cassette	Indoor Model		40MBCQ24---3
	Energy Star		NO
	Cooling Rated Capacity	Btu/h	24,000
	Cooling Cap. Range Min - Max	Btu/h	8500-26500
	SEER		20.0
	EER		11
	Heating Rated Capacity (47°F)	Btu/h	24,000
	Heating Rated Capacity (17°F)	Btu/h	16,200
	Heating Maximum Capacity (17°F)	Btu/h	24,000
	Heating Maximum Capacity (5°F)	Btu/h	24,000
	Heating Cap. Range Min - Max	Btu/h	13200-32000
	HSPF		11.5
	COP (47°F)	W/W	3.46
	COP (17°F)	W/W	2.73
COP (5°F)	W/W	1.88	
Ducted	Indoor Model		40MBDQ24---3
	Energy Star		YES
	Cooling Rated Capacity	Btu/h	24,000
	Cooling Cap. Range Min - Max	Btu/h	5,500~24,500
	SEER		20.5
	EER		12.5
	Heating Rated Capacity (47°F)	Btu/h	24,000
	Heating Rated Capacity (17°F)	Btu/h	17,200
	Heating Maximum Capacity (17°F)	Btu/h	25,400
	Heating Maximum Capacity (5°F)	Btu/h	24,000
	Heating Cap. Range Min - Max	Btu/h	6,000~26,000
	HSPF		12.5
	COP (47°F)	W/W	3.82
	COP (17°F)	W/W	2.56
COP (5°F)	W/W	1.83	
Floor Console	Indoor Model		40MBFQ24---3
	Energy Star		NO
	Cooling Rated Capacity	Btu/h	24,000
	Cooling Cap. Range Min - Max	Btu/h	8000-28150
	SEER		20.0
	EER		11.5
	Heating Rated Capacity (47°F)	Btu/h	24,000
	Heating Rated Capacity (17°F)	Btu/h	17,200
	Heating Maximum Capacity (17°F)	Btu/h	26,600
	Heating Maximum Capacity (5°F)	Btu/h	26,560
	Heating Cap. Range Min - Max	Btu/h	20500-36750
	HSPF		11.5
	COP (47°F)	W/W	3.52
	COP (17°F)	W/W	2.82
COP (5°F)	W/W	1.69	

Backward compatible with 40MBQB\*D Ducted

# Performance

Vertical Fan Coil	Indoor Model		FFMANP025T00
	Energy Star		NO
	Cooling Rated Capacity	Btu/h	24,000
	Cooling Cap. Range Min - Max	Btu/h	5,500~26,000
	SEER		16.5
	EER		10.6
	Heating Rated Capacity (47°F)	Btu/h	24,000
	Heating Rated Capacity (17°F)	Btu/h	17,200
	Heating Maximum Capacity (17°F)	Btu/h	25,800
	Heating Maximum Capacity (5°F)	Btu/h	25,800
	Heating Cap. Range Min - Max	Btu/h	6,000~30,000
	HSPF		11.0
	COP (47°F)	W/W	3.81
	COP (17°F)	W/W	2.51
	COP (5°F)	W/W	1.95
Horizontal Fan Coil	Indoor Model		FPMBN*024T00
	Energy Star		NO
	Cooling Rated Capacity	Btu/h	24,000
	Cooling Cap. Range Min - Max	Btu/h	5,500~27,600
	SEER		16.5
	EER		10
	Heating Rated Capacity (47°F)	Btu/h	24,000
	Heating Rated Capacity (17°F)	Btu/h	15,000
	Heating Maximum Capacity (17°F)	Btu/h	22,000
	Heating Maximum Capacity (5°F)	Btu/h	20,100
	Heating Cap. Range Min - Max	Btu/h	6,000~31,000
	HSPF		10.6
	COP (47°F)	W/W	3.66
	COP (17°F)	W/W	1.82
	COP (5°F)	W/W	2.08

# Construction View

Outdoor Model: **38MAQB24R--3**

