

# 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
	MOCB - 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)	164 (50)
	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
	Rated Current	RLA	14.0
Outdoor	Unit Width	in (mm)	37.24 (946)
	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

### Accessories

RCD# 331831-701	Piping Adaptor Kit, to facilitate piping installation when matched with FMA/FMC/FMU or FV4
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# 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	5,500~24,500
	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	6,000~32,000
	HSPF		11.5
	COP (47°F)	W/W	3.10
	COP (17°F)	W/W	2.64
COP (5°F)	W/W	1.88	
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	
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	1.81	

Backward compatible with 40MBQB\*D Ducted

# Performance

<b>FMA Fan Coil</b>	Indoor Model		FMA4X2400AL
	Energy Star		NO
	Cooling Rated Capacity	Btu/h	23,000
	Cooling Cap. Range Min - Max	Btu/h	7,900~36,500
	SEER		14.5
	EER		11
	Heating Rated Capacity (47°F)	Btu/h	24,000
	Heating Rated Capacity (17°F)	Btu/h	15,800
	Heating Maximum Capacity (17°F)	Btu/h	28,900
	Heating Maximum Capacity (5°F)	Btu/h	28,700
	Heating Cap. Range Min - Max	Btu/h	11,600~36,500
	HSPF		9.5
	COP (47°F)	W/W	3.80
	COP (17°F)	W/W	2.75
COP (5°F)	W/W	2.30	
<b>FMC - FMU Fan Coil</b>	Indoor Model		FMC4Z2400AL
	Indoor Model		FMU4Z2400AL
	Energy Star		NO
	Cooling Rated Capacity	Btu/h	23,000
	Cooling Cap. Range Min - Max	Btu/h	9,300~37,000
	SEER		20.0
	EER		12.2
	Heating Rated Capacity (47°F)	Btu/h	23,200
	Heating Rated Capacity (17°F)	Btu/h	15,000
	Heating Maximum Capacity (17°F)	Btu/h	28,400
	Heating Maximum Capacity (5°F)	Btu/h	28,400
	Heating Cap. Range Min - Max	Btu/h	9,300~35,000
	HSPF		11.2
	COP (47°F)	W/W	3.74
COP (17°F)	W/W	2.74	
COP (5°F)	W/W	2.19	
<b>FV4 Fan Coil</b>	Indoor Model		FV4CNF002L00
	Energy Star		NO
	Cooling Rated Capacity	Btu/h	23,000
	Cooling Cap. Range Min - Max	Btu/h	8,400~33,670
	SEER		17.0
	EER		11.5
	Heating Rated Capacity (47°F)	Btu/h	23,600
	Heating Rated Capacity (17°F)	Btu/h	14,000
	Heating Maximum Capacity (17°F)	Btu/h	23,910
	Heating Maximum Capacity (5°F)	Btu/h	23,890
	Heating Cap. Range Min - Max	Btu/h	11,900~32,580
	HSPF		10.5
	COP (47°F)	W/W	3.85
	COP (17°F)	W/W	2.70
COP (5°F)	W/W	2.59	

Applications with the FMA4, FMC, FMU and FV4 fan coils require the 24V interface 2nd Generation KSAIC0301230 and a Piping Adaptor Kit to facilitate piping installation when removing the TXV kit from the indoor unit

# Construction View

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