

Outdoor Unit Single Zone Heat Pump Ductless System

Outdoor Model: 38MAQB12R--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		12
	Outdoor Model		38MAQB12R--3
Electrical	Voltage, Phase, Cycle		V/Ph/Hz 208/230-1-60
	MCA	A.	9
	MOCF - Fuse Rating	A.	15
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)	82 (25)
	Piping Lift ¹	ft (m)	32 (10)
	Pipe Connection Size - Liquid	in (mm)	1/4 (6.35)
	Pipe Connection Size - Suction	in (mm)	1/2 (12.7)
Refrigerant	Refrigerant Type		R410A
	Metering Device		EEV
	Charge	lbs (kg)	3.31 (1.5)

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

Outdoor Coil	Face Area	Sq. Ft.	4.5
	No. Rows		2
	Fins per inch		18
	Circuits		4
Compressor	Type		Rotary Inverter
	Model		ATM115D43UFZ2
	Oil Type		VG74
	Oil Charge	Fl. Oz.	17.6
	Rated Current	RLA	5.7
Outdoor	Unit Width	in (mm)	32.09 (815)
	Unit Height	in (mm)	21.81 (554)
	Unit Depth	in (mm)	13.11 (333)
	Net Weight	lbs (kg)	91.5 (41.5)
	Airflow	CFM	1,200
	Sound Pressure	dB(A)	56.0

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		40MAQB12B--3
	Indoor Model		619PEQ012BBMA
	Indoor Model		DHMSHAQ12XA3
	Energy Star		YES
	Cooling Rated Capacity	Btu/h	12,000
	Cooling Cap. Range Min - Max	Btu/h	4,000~13,800
	SEER		22.5
	EER		13
	Heating Rated Capacity (47°F)	Btu/h	12,000
	Heating Rated Capacity (17°F)	Btu/h	7,800
	Heating Maximum Capacity (17°F)	Btu/h	12,000
	Heating Maximum Capacity (5°F)	Btu/h	12,000
	Heating Cap. Range Min - Max	Btu/h	5,000~15,500
	HSPF		12.0
	COP (47°F)	W/W	3.56
	COP (17°F)	W/W	2.64
COP (5°F)	W/W	2.12	
Cassette	Indoor Model		40MBCQ12---3
	Energy Star		YES
	Cooling Rated Capacity	Btu/h	12,000
	Cooling Cap. Range Min - Max	Btu/h	4,000~13000
	SEER		19.5
	EER		12.5
	Heating Rated Capacity (47°F)	Btu/h	12,000
	Heating Rated Capacity (17°F)	Btu/h	8,700
	Heating Maximum Capacity (17°F)	Btu/h	12,000
	Heating Maximum Capacity (5°F)	Btu/h	12,000
	Heating Cap. Range Min - Max	Btu/h	5,000~13500
	HSPF		10.6
	COP (47°F)	W/W	3.67
	COP (17°F)	W/W	2.40
COP (5°F)	W/W	1.84	
Ducted	Indoor Model		40MBDQ12---3
	Energy Star		YES
	Cooling Rated Capacity	Btu/h	12,000
	Cooling Cap. Range Min - Max	Btu/h	4,000~12,900
	SEER		20.5
	EER		12.5
	Heating Rated Capacity (47°F)	Btu/h	12,000
	Heating Rated Capacity (17°F)	Btu/h	8,500
	Heating Maximum Capacity (17°F)	Btu/h	13,000
	Heating Maximum Capacity (5°F)	Btu/h	12,000
	Heating Cap. Range Min - Max	Btu/h	4,500~15,700
	HSPF		11.0
	COP (47°F)	W/W	3.30
	COP (17°F)	W/W	2.36
COP (5°F)	W/W	1.79	
Console	Indoor Model		40MBFQ12---3
	Energy Star		YES
	Cooling Rated Capacity	Btu/h	12,000
	Cooling Cap. Range Min - Max	Btu/h	4,000~13,000
	SEER		19.4
	EER		12.5
	Heating Rated Capacity (47°F)	Btu/h	12,000
	Heating Rated Capacity (17°F)	Btu/h	9,600
	Heating Maximum Capacity (17°F)	Btu/h	12,000
	Heating Maximum Capacity (5°F)	Btu/h	12,000
	Heating Cap. Range Min - Max	Btu/h	5,000~13,500
	HSPF		10.5
	COP (47°F)	W/W	3.17
	COP (17°F)	W/W	2.49
COP (5°F)	W/W	1.76	

Backward compatible with 40MBQB°C Cassette, 40MBQB*D Ducted, 40MBQB*F Floor Console Systems.

Performance

FMA Fan Coil	Indoor Model		FMA4X1800AL
	Energy Star		NO
	Cooling Rated Capacity	Btu/h	11,800
	Cooling Cap. Range Min - Max	Btu/h	6,400~17,000
	SEER		17.6
	EER		12.25
	Heating Rated Capacity (47°F)	Btu/h	12,200
	Heating Rated Capacity (17°F)	Btu/h	7,600
	Heating Maximum Capacity (17°F)	Btu/h	14,100
	Heating Maximum Capacity (5°F)	Btu/h	9,900
	Heating Cap. Range Min - Max	Btu/h	4,000~14,800
	HSPF		9.7
	COP (47°F)	W/W	4.10
	COP (17°F)	W/W	2.65
COP (5°F)	W/W	2.17	
FMC - FMU Fan Coil	Indoor Model		FMC4Z1800AL
	Indoor Model		FMU4Z1800AL
	Energy Star		NO
	Cooling Rated Capacity	Btu/h	11,800
	Cooling Cap. Range Min - Max	Btu/h	5,000~18,000
	SEER		18.4
	EER		11.6
	Heating Rated Capacity (47°F)	Btu/h	11,800
	Heating Rated Capacity (17°F)	Btu/h	7,400
	Heating Maximum Capacity (17°F)	Btu/h	14,000
	Heating Maximum Capacity (5°F)	Btu/h	9,400
	Heating Cap. Range Min - Max	Btu/h	4,100~15,500
	HSPF		8.2
	COP (47°F)	W/W	4.36
COP (17°F)	W/W	2.86	
COP (5°F)	W/W	1.96	
FV4 Fan Coil	Indoor Model		FV4CNF002L00
	Energy Star		NO
	Cooling Rated Capacity	Btu/h	11,200
	Cooling Cap. Range Min - Max	Btu/h	5,900~17,090
	SEER		18.0
	EER		12.0
	Heating Rated Capacity (47°F)	Btu/h	10,400
	Heating Rated Capacity (17°F)	Btu/h	6,400
	Heating Maximum Capacity (17°F)	Btu/h	16,440
	Heating Maximum Capacity (5°F)	Btu/h	11,710
	Heating Cap. Range Min - Max	Btu/h	3,700~17,800
	HSPF		10.0
	COP (47°F)	W/W	3.60
	COP (17°F)	W/W	2.50
COP (5°F)	W/W	2.15	

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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