

Outdoor Unit Single Zone Heat Pump Ductless System

Outdoor Model: 38MARBQ18AA3

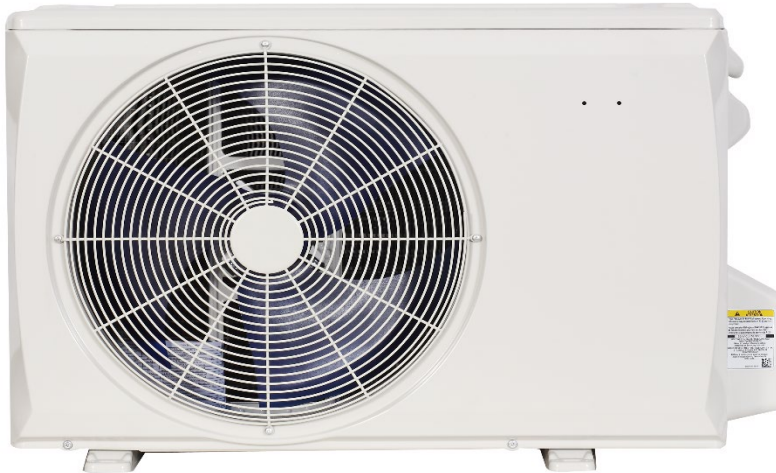
Submittal Data

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
- Modes: Cool, Heat, Dry, Fan, Auto
- Quiet operation
- Anti-corrosive fin coating

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	18	
	Outdoor Model	38MARBQ18AA3	
Electrical	Voltage, Phase, Cycle	V/Ph/Hz	208/230-1-60
	MCA	A.	16
	Recommended Fuse Size	A.	20
	MOCP - Fuse Rating	A.	25
Operating Range	Cooling Outdoor DB Min - Max	°F(°C)	-22~122 (-30~50)
	Heating Outdoor DB Min - Max	°F(°C)	-22~86 (-30~30)
Piping	Total Piping Length	ft (m)	98 (30)
	Piping Lift	ft (m)	65 (20)
	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)	4.08 (1.85)

Outdoor Coil	Face Area	Sq. Ft.	5.9
	No. Rows	2	
	Fins per inch	20	
	Circuits	6	
Compressor	Type	Rotary Inverter	
	Model	KTM240D43UKT	
	Oil Type	VG74	
	Oil Charge	Fl. Oz.	21.0
	Rated Current	RLA	14.3
Outdoor	Unit Width	in (mm)	35.04 (890)
	Unit Height	in (mm)	26.50 (673)
	Unit Depth	in (mm)	13.46 (342)
	Net Weight	lbs (kg)	100.97 (45.8)
	Airflow	CFM	1,765
	Sound Pressure	dB(A)	59.0

* Condensing unit above or below indoor unit
See compatibility chart for additional model specific information

Performance

High Wall	Indoor Model		18K (208/230V)
	Energy Star		YES
	Cooling Rated Capacity	Btu/h	18,000
	Cooling Cap. Range Min - Max	Btu/h	8,870~19,400
	SEER		21.5
	EER		12.5
	Heating Rated Capacity (47°F)	Btu/h	18,000
	Heating Rated Capacity (17°F)	Btu/h	10,800
	Heating Maximum Capacity (17°F)	Btu/h	14,000
	Heating Maximum Capacity (5°F)	Btu/h	18,000
	Heating Cap. Range Min - Max	Btu/h	8,400~19,500
	HSPF		13.0
	COP (47°F)	W/W	3.10
	COP (17°F)	W/W	2.80
COP (5°F)	W/W	1.78	
Cassette	Indoor Model		18K (208/230V)
	Energy Star		YES
	Cooling Rated Capacity	Btu/h	16,000
	Cooling Cap. Range Min - Max	Btu/h	5,600~17,000
	SEER		20.0
	EER		12.5
	Heating Rated Capacity (47°F)	Btu/h	18,000
	Heating Rated Capacity (17°F)	Btu/h	11,200
	Heating Maximum Capacity (17°F)	Btu/h	21,000
	Heating Maximum Capacity (5°F)	Btu/h	17,000
	Heating Cap. Range Min - Max	Btu/h	8,700~21,000
	HSPF		10.3
	COP (47°F)	W/W	2.88
	COP (17°F)	W/W	1.80
COP (5°F)	W/W	1.68	
Ducted	Indoor Model		18K (208/230V)
	Energy Star		YES
	Cooling Rated Capacity	Btu/h	16,500
	Cooling Cap. Range Min - Max	Btu/h	6,500~18,800
	SEER		19.6
	EER		12.5
	Heating Rated Capacity (47°F)	Btu/h	19,000
	Heating Rated Capacity (17°F)	Btu/h	12,700
	Heating Maximum Capacity (17°F)	Btu/h	21,500
	Heating Maximum Capacity (5°F)	Btu/h	17,800
	Heating Cap. Range Min - Max	Btu/h	8,900~22,000
	HSPF		11.0
	COP (47°F)	W/W	2.93
	COP (17°F)	W/W	1.90
COP (5°F)	W/W	1.75	
Console	Indoor Model		18K (208/230V)
	Energy Star		YES
	Cooling Rated Capacity	Btu/h	17,000
	Cooling Cap. Range Min - Max	Btu/h	7,800~19,900
	SEER		20.2
	EER		12.5
	Heating Rated Capacity (47°F)	Btu/h	18,000
	Heating Rated Capacity (17°F)	Btu/h	12,000
	Heating Maximum Capacity (17°F)	Btu/h	20,700
	Heating Maximum Capacity (5°F)	Btu/h	16,900
	Heating Cap. Range Min - Max	Btu/h	8,600~21,500
	HSPF		10.6
	COP (47°F)	W/W	3.19
	COP (17°F)	W/W	1.80
COP (5°F)	W/W	1.75	

Performance

FB4C Fan Coil	Indoor Model		FB4CNF018L
	Indoor Model 2		FB4CNP018L
	Energy Star		NO
	Cooling Rated Capacity	Btu/h	18,200
	Cooling Cap. Range Min - Max	Btu/h	13900~21400
	SEER		19/17
	EER		12.0
	Heating Rated Capacity (47°F)	Btu/h	18,900
	Heating Rated Capacity (17°F)	Btu/h	14,700
	Heating Cap. Range Min - Max	Btu/h	11500~20600
	HSPF		10.5
	COP (47°F)	W/W	3.86
COP (17°F)	W/W	3.24	
FMA4X Fan Coil	Indoor Model		FMA4X18**AL*
	Energy Star		NO
	Cooling Rated Capacity	Btu/h	18,000
	Cooling Cap. Range Min - Max	Btu/h	13800~21200
	SEER		17.0
	EER		11.8
	Heating Rated Capacity (47°F)	Btu/h	19,200
	Heating Rated Capacity (17°F)	Btu/h	15,000
	Heating Cap. Range Min - Max	Btu/h	11600~20900
	HSPF		11.0
	COP (47°F)	W/W	3.86
	COP (17°F)	W/W	3.30
PF4M Fan Coil	Indoor Model		PF4MNB019L
	Energy Star		NO
	Cooling Rated Capacity	Btu/h	18,500
	Cooling Cap. Range Min - Max	Btu/h	14000~21800
	SEER		18.0
	EER		12.2
	Heating Rated Capacity (47°F)	Btu/h	18,500
	Heating Rated Capacity (17°F)	Btu/h	14,500
	Heating Cap. Range Min - Max	Btu/h	11400~20200
	HSPF		10.5
	COP (47°F)	W/W	3.90
	COP (17°F)	W/W	3.26
FV4C Fan Coil	Indoor Model		FV4CNF002L
	Energy Star		NO
	Cooling Rated Capacity	Btu/h	17,400
	Cooling Cap. Range Min - Max	Btu/h	14100~21400
	SEER		16.0
	EER		11.5
	Heating Rated Capacity (47°F)	Btu/h	17,100
	Heating Rated Capacity (17°F)	Btu/h	13,400
	Heating Cap. Range Min - Max	Btu/h	11700~21000
	HSPF		10.5
	COP (47°F)	W/W	3.65
	COP (17°F)	W/W	3.25
FMC - FMU Fan Coil	Indoor Model		FM(C,U)4Z18**AL*
	Energy Star		NO
	Cooling Rated Capacity	Btu/h	18,500
	Cooling Cap. Range Min - Max	Btu/h	14100~21800
	SEER		19.0
	EER		12.2
	Heating Rated Capacity (47°F)	Btu/h	19,300
	Heating Rated Capacity (17°F)	Btu/h	15,000
	Heating Cap. Range Min - Max	Btu/h	11700~21000
	HSPF		11.5
	COP (47°F)	W/W	4.04
	COP (17°F)	W/W	3.40

Applications with the FB4CNP, FMA4, PF4M, FV4C, FMC and FMU fan coils require the 24V Interface (2nd Generation) KSAIC0301230 and a Piping Adapter Kit to facilitate piping installation when removing the TXV kit from the indoor unit.

Construction View

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