

# Outdoor Unit Single Zone Heat Pump Ductless System



Outdoor Model: **38MAQB18R--3**

## Submittal Data

Job Data:  Location:

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

Unit Number:  Model Number:

Performance Data Certified By:  Date:



**Preferred**<sup>TM</sup>  
**SERIES**



### 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 Blue 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	18	
	Outdoor Model	38MAQB18R--3	
Electrical	Voltage, Phase, Cycle	V/Ph/Hz	208/230-1-60
	MCA	A.	18
	MOCP - Fuse Rating	A.	25
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	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)	4.30 (1.95)

Outdoor Coil	Face Area	Sq. Ft.	5.2
	No. Rows	2	
	Fins per inch	18	
	Circuits	4	
Compressor	Type	Hermetic Rotary DC Inverter	
	Model	ATF235D22UMT	
	Oil Type	VG74	
	Oil Charge	Fl. Oz.	23.6
Outdoor	Rated Current	RLA	12.3
	Unit Width	in (mm)	33.66 (855)
Outdoor	Unit Height	in (mm)	27.63 (702)
	Unit Depth	in (mm)	14.17 (360)
	Net Weight	lbs (kg)	118.2 (53.6)
	Airflow	CFM	1,390
	Sound Pressure	dB(A)	57.5

# Performance

High Wall	Indoor Model		619PEQ018BBMA
	Energy Star		YES
	Cooling Rated Capacity	Btu/h	17,000
	Cooling Cap. Range Min - Max	Btu/h	4500~18800
	SEER		20.0
	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	18,000
	Heating Maximum Capacity (5°F)	Btu/h	18,000
	Heating Cap. Range Min - Max	Btu/h	5500~24000
	HSPF		10.3
	COP (47°F)	W/W	3.14
	COP (17°F)	W/W	2.64
COP (5°F)	W/W	1.63	
Cassette	Indoor Model		40MBCQ18---3
	Energy Star		YES
	Cooling Rated Capacity	Btu/h	16,000
	Cooling Cap. Range Min - Max	Btu/h	4,500~18,000
	SEER		20.0
	EER		12.5
	Heating Rated Capacity (47°F)	Btu/h	18,000
	Heating Rated Capacity (17°F)	Btu/h	11,942
	Heating Maximum Capacity (17°F)	Btu/h	18,000
	Heating Maximum Capacity (5°F)	Btu/h	18,000
	Heating Cap. Range Min - Max	Btu/h	5,500~19,000
	HSPF		10.5
	COP (47°F)	W/W	3.43
	COP (17°F)	W/W	2.55
COP (5°F)	W/W	1.75	
Ducted	Indoor Model		40MBDQ18---3
	Energy Star		YES
	Cooling Rated Capacity	Btu/h	16,500
	Cooling Cap. Range Min - Max	Btu/h	4,500~18,000
	SEER		19.6
	EER		12.5
	Heating Rated Capacity (47°F)	Btu/h	19,000
	Heating Rated Capacity (17°F)	Btu/h	13,400
	Heating Maximum Capacity (17°F)	Btu/h	20,200
	Heating Maximum Capacity (5°F)	Btu/h	19,000
	Heating Cap. Range Min - Max	Btu/h	5,500~19,000
	HSPF		11.0
	COP (47°F)	W/W	2.93
	COP (17°F)	W/W	2.71
COP (5°F)	W/W	1.75	

Backward compatible with 619REQ\*C Cassette, 619REQ\*D Ducted

# Performance

Vertical Fan Coil	Indoor Model		FFMANP019T00
	Energy Star		NO
	Cooling Rated Capacity	Btu/h	18,000
	Cooling Cap. Range Min - Max	Btu/h	4,500~20,400
	SEER		16.0
	EER		11.6
	Heating Rated Capacity (47°F)	Btu/h	18,000
	Heating Rated Capacity (17°F)	Btu/h	13,000
	Heating Maximum Capacity (17°F)	Btu/h	18,100
	Heating Maximum Capacity (5°F)	Btu/h	18,100
	Heating Cap. Range Min - Max	Btu/h	5,500 ~24,000
	HSPF		11.2
	COP (47°F)	W/W	3.37
	COP (17°F)	W/W	2.65
COP (5°F)	W/W	2.34	
Horizontal Fan Coil	Indoor Model		FPMBN*018T00
	Energy Star		NO
	Cooling Rated Capacity	Btu/h	18,000
	Cooling Cap. Range Min - Max	Btu/h	4,500~19,400
	SEER		18.0
	EER		10.8
	Heating Rated Capacity (47°F)	Btu/h	18,000
	Heating Rated Capacity (17°F)	Btu/h	12,400
	Heating Maximum Capacity (17°F)	Btu/h	18,600
	Heating Maximum Capacity (5°F)	Btu/h	18,600
	Heating Cap. Range Min - Max	Btu/h	5,500~20,400
	HSPF		10.6
	COP (47°F)	W/W	3.50
	COP (17°F)	W/W	2.67
COP (5°F)	W/W	2.23	

# Construction View

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