

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:



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

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
- 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.

| | | | |
|-----------------|--------------------------------|----------|----------------------|
| 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) |

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

| | | | |
|--------------|----------------|----------|-----------------|
| Outdoor Coil | Face Area | Sq. Ft. | 5.2 |
| | No. Rows | | 2 |
| | Fins per inch | | 18 |
| | Circuits | | 4 |
| Compressor | Type | | Rotary Inverter |
| | Model | | ATF235D22UMT |
| | Oil Type | | VG74 |
| | Oil Charge | Fl. Oz. | 23.6 |
| | Rated Current | RLA | 12.3 |
| Outdoor | Unit Width | in (mm) | 33.66 (855) |
| | 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 |

Accessories

| | |
|-----------------|---|
| RCD# 331831-701 | Piping Adaptor Kit, to facilitate piping installation when matched with FMA/FMC/FMU |
| RCD# 40MD000003 | Piping Adaptor Kit, to facilitate piping installation when matched with FV4 |

Performance

| | | | |
|------------|---------------------------------|-------|---------------|
| High Wall | Indoor Model | | 40MAQB18B--3 |
| | Indoor Model | | 619PEQ018BBMA |
| | Indoor Model | | DHMSHAQ18XA3 |
| | Energy Star | | YES |
| | Cooling Rated Capacity | Btu/h | 17,000 |
| | Cooling Cap. Range Min - Max | Btu/h | 4,500~18,800 |
| | 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 | 5,500~24,000 |
| | HSPF | | 10.3 |
| COP (47°F) | W/W | 3.14 | |
| COP (17°F) | W/W | 2.64 | |
| COP (5°F) | W/W | 1.75 | |
| 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 | 12,000 |
| | 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 | 2.07 | |
| 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 | |
| Console | Indoor Model | | 40MBFQ18---3 |
| | Energy Star | | YES |
| | Cooling Rated Capacity | Btu/h | 17,000 |
| | Cooling Cap. Range Min - Max | Btu/h | 6830-19800 |
| | SEER | | 19.9 |
| | EER | | 12.5 |
| | Heating Rated Capacity (47°F) | Btu/h | 18,000 |
| | Heating Rated Capacity (17°F) | Btu/h | 13,400 |
| | Heating Maximum Capacity (17°F) | Btu/h | 21,500 |
| | Heating Maximum Capacity (5°F) | Btu/h | 21,300 |
| | Heating Cap. Range Min - Max | Btu/h | 12900-29000 |
| | HSPF | | 10.6 |
| | COP (47°F) | W/W | 3.48 |
| | COP (17°F) | W/W | 2.38 |
| COP (5°F) | W/W | 1.77 | |

Backward compatible with 40MBQB*C Cassette, 40MBQB*D Ducted

Performance

| | | | |
|--------------------|---------------------------------|-------|--------------|
| FMA Fan Coil | Indoor Model | | FMA4X1800AL |
| | Energy Star | | NO |
| | Cooling Rated Capacity | Btu/h | 17,200 |
| | Cooling Cap. Range Min - Max | Btu/h | 8500~28,000 |
| | SEER | | 15.5 |
| | EER | | 10.9 |
| | Heating Rated Capacity (47°F) | Btu/h | 17,800 |
| | Heating Rated Capacity (17°F) | Btu/h | 10,800 |
| | Heating Maximum Capacity (17°F) | Btu/h | 23,100 |
| | Heating Maximum Capacity (5°F) | Btu/h | 17,800 |
| | Heating Cap. Range Min - Max | Btu/h | 7,800~23,000 |
| | HSPF | | 9.8 |
| | COP (47°F) | W/W | 4.00 |
| | COP (17°F) | W/W | 2.50 |
| COP (5°F) | W/W | 2.10 | |
| FMC - FMU Fan Coil | Indoor Model | | FMC4Z1800AL |
| | Indoor Model | | FMU4Z1800AL |
| | Energy Star | | NO |
| | Cooling Rated Capacity | Btu/h | 17,600 |
| | Cooling Cap. Range Min - Max | Btu/h | 7,000~29,000 |
| | SEER | | 19.0 |
| | EER | | 11 |
| | Heating Rated Capacity (47°F) | Btu/h | 17,400 |
| | Heating Rated Capacity (17°F) | Btu/h | 12,200 |
| | Heating Maximum Capacity (17°F) | Btu/h | 23,700 |
| | Heating Maximum Capacity (5°F) | Btu/h | 19,500 |
| | Heating Cap. Range Min - Max | Btu/h | 9,000~24,000 |
| | HSPF | | 10.3 |
| | COP (47°F) | W/W | 3.78 |
| COP (17°F) | W/W | 2.76 | |
| COP (5°F) | W/W | 2.18 | |
| FV4 Fan Coil | Indoor Model | | FV4CNF002L00 |
| | Energy Star | | NO |
| | Cooling Rated Capacity | Btu/h | 17,800 |
| | Cooling Cap. Range Min - Max | Btu/h | 9,200~27,650 |
| | SEER | | 18.0 |
| | EER | | 11.5 |
| | Heating Rated Capacity (47°F) | Btu/h | 18,600 |
| | Heating Rated Capacity (17°F) | Btu/h | 11,000 |
| | Heating Maximum Capacity (17°F) | Btu/h | 18,600 |
| | Heating Maximum Capacity (5°F) | Btu/h | 15,960 |
| | Heating Cap. Range Min - Max | Btu/h | 7,500~20,300 |
| | HSPF | | 10.0 |
| | COP (47°F) | W/W | 3.65 |
| | COP (17°F) | W/W | 2.50 |
| COP (5°F) | W/W | 3.02 | |

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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