

# Outdoor Unit Single Zone Heat Pump Ductless System

Outdoor Model: 38MBQB48---3



## Submittal Data

Job Data:

Location:

Buyer:  Buyer P.O. #:

Carrier #:

Unit Number:

Model Number:

Performance Data Certified By:

Date:



Performance  
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
- 46°F Heating Mode (Heating Setback)

|                 |                                |          |                 |
|-----------------|--------------------------------|----------|-----------------|
| System          | Size                           |          | 48              |
|                 | Outdoor Model                  |          | 38MBQB48---3    |
| Electrical      | Voltage, Phase, Cycle          | V/Ph/Hz  | 208/230-1-60    |
|                 | MCA                            | A.       | 35              |
|                 | MOCP - Fuse Rating             | A.       | 55              |
| Operating Range | Cooling Outdoor DB Min - Max   | °F(°C)   | -4~122 (-20~50) |
|                 | Heating Outdoor DB Min - Max   | °F(°C)   | -4~86 (-20~30)  |
| Piping          | Total Piping Length            | ft (m)   | 213 (65)        |
|                 | Piping Lift                    | ft (m)   | 98 (30)         |
|                 | 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) | 9.48 (4.3)      |

|              |                |                 |              |
|--------------|----------------|-----------------|--------------|
| Outdoor Coil | Face Area      | Sq. Ft.         | 14.1         |
|              | No. Rows       |                 | 2            |
|              | Fins per inch  |                 | 17           |
|              | Circuits       |                 | 10           |
| Compressor   | Type           | Rotary Inverter |              |
|              | Model          | MNB36FAAMC-L    |              |
|              | Oil Type       | FV50S           |              |
|              | Oil Charge     | Fl. Oz.         | 47.3         |
| Outdoor      | Rated Current  | RLA             | 13.5         |
|              | Unit Width     | in (mm)         | 36.93 (938)  |
|              | Unit Height    | in (mm)         | 53.90 (1369) |
|              | Unit Depth     | in (mm)         | 15.43 (392)  |
| Outdoor      | Net Weight     | lbs (kg)        | 220 (100)    |
|              | Airflow        | CFM             | 4,240        |
|              | Sound Pressure | dB(A)           | 65.0         |

## Performance

|        |                                 |       |               |
|--------|---------------------------------|-------|---------------|
| Ducted | Indoor Model                    |       | 40MBQB48D--3  |
|        | Energy Star                     |       | NO            |
|        | Cooling Rated Capacity          | Btu/h | 48,000        |
|        | Cooling Cap. Range Min - Max    | Btu/h | 9,000~50,000  |
|        | SEER                            |       | 16.5          |
|        | EER                             |       | 8.2           |
|        | Heating Rated Capacity (47°F)   | Btu/h | 50,000        |
|        | Heating Rated Capacity (17°F)   | Btu/h | 35,000        |
|        | Heating Maximum Capacity (17°F) | Btu/h | 32,800        |
|        | Heating Capacity (5°F)          | Btu/h | 26,900        |
|        | Heating Cap. Range Min - Max    | Btu/h | 10,000~55,000 |
|        | HSPF                            |       | 10.0          |
|        | COP (47°F)                      | W/W   | 3.45          |
|        | COP (17°F)                      | W/W   | 2.07          |
|        | COP (5°F)                       | W/W   | 1.83          |

## Construction View

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