



Outdoor Model: **38MARBQ12AA3**

# Submittal Data

Turn to the experts

Job Data:

Location:

Buyer:  Buyer P.O. #:

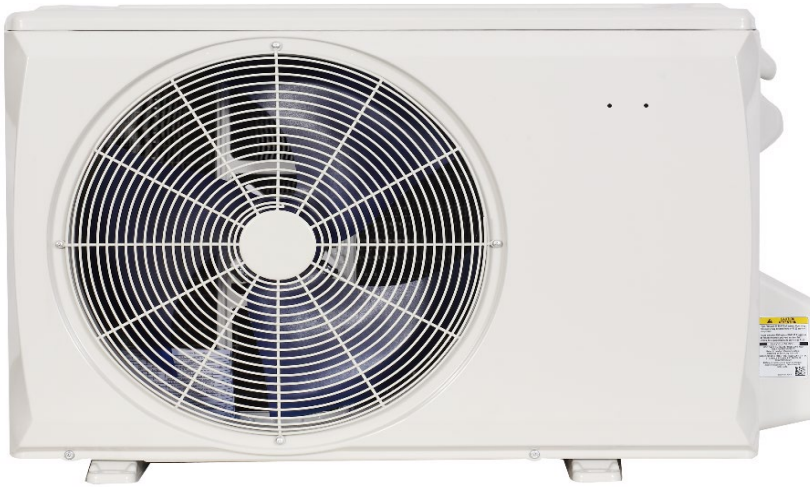
Carrier #:

Unit #:

Model #:

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                           | 12           |                  |
|                 | Outdoor Model                  | 38MARBQ12AA3 |                  |
| Electrical      | Voltage, Phase, Cycle          | V/Ph/Hz      | 208/230-1-60     |
|                 | MCA                            | A.           | 15               |
|                 | MOCP - Fuse Rating             | A.           | 15               |
| 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)       | 82 (25)          |
|                 | Piping Lift                    | 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)     | 2.6 (1.18)       |

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

|                |               |                 |              |
|----------------|---------------|-----------------|--------------|
| Outdoor Coil   | Face Area     | Sq. Ft.         | 4.7          |
|                | No. Rows      | 2               |              |
|                | Fins per inch | 20              |              |
|                | Circuits      | 4               |              |
| Compressor     | Type          | Rotary inverter |              |
|                | Model         | KTN110D42UFZ    |              |
|                | Oil Type      | VG74            |              |
|                | Oil Charge    | Fl. Oz.         | 11.8         |
| Outdoor        | Rated Current | RLA             | 8.5          |
|                | Unit Width    | in (mm)         | 31.69 (805)  |
|                | Unit Height   | in (mm)         | 24.21 (615)  |
|                | Unit Depth    | in (mm)         | 12.99 (330)  |
|                | Net Weight    | lbs (kg)        | 73.63 (33.4) |
| Airflow        | CFM           | 1,324           |              |
| Sound Pressure | dB(A)         | 56.0            |              |

# Ductless Unit Performance

|           |                                 |       |              |
|-----------|---------------------------------|-------|--------------|
| High Wall | Indoor Model                    |       | 40MAHBQ12XA3 |
|           | Energy Star                     |       | YES          |
|           | Cooling Rated Capacity          | Btu/h | 12,000       |
|           | Cooling Cap. Range Min - Max    | Btu/h | 3,300~14,300 |
|           | SEER                            |       | 25.5         |
|           | EER                             |       | 14           |
|           | Heating Rated Capacity (47°F)   | Btu/h | 12,000       |
|           | Heating Rated Capacity (17°F)   | Btu/h | 7,500        |
|           | 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 | 5,000~15,300 |
|           | HSPF                            |       | 13.0         |
|           | COP (47°F)                      | W/W   | 3.81         |
|           | COP (17°F)                      | W/W   | 3.00         |
| COP (5°F) | W/W                             | 1.75  |              |
| Cassette  | Indoor Model                    |       | 40MBCQ12---3 |
|           | Energy Star                     |       | YES          |
|           | Cooling Rated Capacity          | Btu/h | 12,000       |
|           | Cooling Cap. Range Min - Max    | Btu/h | 3,000~13,700 |
|           | SEER                            |       | 21.5         |
|           | EER                             |       | 12.7         |
|           | Heating Rated Capacity (47°F)   | Btu/h | 12,000       |
|           | Heating Rated Capacity (17°F)   | Btu/h | 8,250        |
|           | Heating Maximum Capacity (17°F) | Btu/h | 14,000       |
|           | Heating Maximum Capacity (5°F)  | Btu/h | 11,500       |
|           | Heating Cap. Range Min - Max    | Btu/h | 2,000~15,300 |
|           | HSPF                            |       | 10.6         |
|           | COP (47°F)                      | W/W   | 3.22         |
|           | COP (17°F)                      | W/W   | 2.20         |
| COP (5°F) | W/W                             | 1.86  |              |
| Ducted    | Indoor Model                    |       | 40MBDQ12---3 |
|           | Energy Star                     |       | YES          |
|           | Cooling Rated Capacity          | Btu/h | 12,000       |
|           | Cooling Cap. Range Min - Max    | Btu/h | 2,250~14,400 |
|           | SEER                            |       | 21.5         |
|           | EER                             |       | 13           |
|           | Heating Rated Capacity (47°F)   | Btu/h | 12,000       |
|           | Heating Rated Capacity (17°F)   | Btu/h | 8,350        |
|           | Heating Maximum Capacity (17°F) | Btu/h | 12,900       |
|           | Heating Maximum Capacity (5°F)  | Btu/h | 12,400       |
|           | Heating Cap. Range Min - Max    | Btu/h | 1,800~16,300 |
|           | HSPF                            |       | 11.5         |
|           | COP (47°F)                      | W/W   | 3.52         |
|           | COP (17°F)                      | W/W   | 2.00         |
| COP (5°F) | W/W                             | 1.87  |              |
| Console   | Indoor Model                    |       | 40MBAAQ24XA3 |
|           | Energy Star                     |       | #N/A         |
|           | Cooling Rated Capacity          | Btu/h | 12,000       |
|           | Cooling Cap. Range Min - Max    | Btu/h | 2,800~13,500 |
|           | SEER                            |       | 23.0         |
|           | EER                             |       | 13           |
|           | Heating Rated Capacity (47°F)   | Btu/h | 12,000       |
|           | Heating Rated Capacity (17°F)   | Btu/h | 8,400        |
|           | Heating Maximum Capacity (17°F) | Btu/h | 13,100       |
|           | Heating Maximum Capacity (5°F)  | Btu/h | 12,100       |
|           | Heating Cap. Range Min - Max    | Btu/h | 2,350~15,700 |
|           | HSPF                            |       | 11.5         |
|           | COP (47°F)                      | W/W   | 3.22         |
|           | COP (17°F)                      | W/W   | 2.00         |
| COP (5°F) | W/W                             | 1.84  |              |

# Construction View

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