



GE APPLIANCES

VARIABLE REFRIGERANT FLOW HEAT PUMP SYSTEM OUTDOOR UNIT

**MWHQ048NC2AA**

**4  
TON**

**SUBMITTAL**

Job Name:

Purchaser:

Submitted To:

Construction:

Reference:

Approval:

Date:

Submitted By:

Unit:

Drawing #:



### Features and Benefits

- AVRA (Advanced Variable Refrigerant Adjustment) optimizes heating and cooling based on outdoor conditions to maximize efficiency and reduce costs.
- Diamond Shield multi-layer safety system designed to support safe and reliable operation with A2L refrigerants, incorporating multiple protection features for enhanced system safety and peace of mind.
- MRV-Link
  - Wireless communication
  - Zigbee wireless protocol
  - Simple installation
  - Easy to service
- Total DC inverter technology.
- Single module 3/4/5T heat pump or heat recovery system.
- Direct Refrigerant-Cooled PCB.
- Total piping length up to 984 ft.
- Max vertical piping length 164 ft.
- Standard with 1500 hours of anti-corrosion black fin.
- Wider operation ranges from -22°F to 115°F. 5°F 100% heating capacity ratio.
- Nighttime quiet operation at 10 dB(A) sound level reduction.
- Precise temperature control at ±1°F.

### Controls

|                                 |                   |
|---------------------------------|-------------------|
| Zone Controllers                | N/A               |
| Central Controllers             | 5", 7", 12.5"     |
| Integration Controllers         | HCM-04/HA-MA      |
| MRV-Link Wireless Communication | Pending           |
| Bluetooth Blackbox              | Yes (App Pending) |
| BMS Solutions                   | HCM-05            |

### Specifications

|                        |                                       |                            |
|------------------------|---------------------------------------|----------------------------|
| ODU                    | Marketing Model Name                  | MWHQ048NC2AA               |
|                        | Nominal Capacity (Btu/h)              | 48,000                     |
|                        | Dimension: H x W x D (in)             | 56-5/16 x 41-5/16 x 15-3/4 |
|                        | Net Weight (lbs)                      | 311                        |
|                        | Sound Level (dBA)                     | 57                         |
|                        | Compressor Type/Qty                   | EVI                        |
|                        | Compressor Oil Type                   | FW-68CA                    |
|                        | Fan Type/Qty                          | Axial Fan / 2              |
| Connections            | Fan CFM                               | 6,471                      |
|                        | Maximum Number of Indoor Units        | 9                          |
| Electrical             | Connection Ratio (IDU/ODU Capacity)   | 50-150%                    |
|                        | Power Supply                          | 208-230 / 1 / 60           |
| Non-Ducted Performance | MCA/MOP (A)                           | 36.34 A / 60 A             |
|                        | Rated Cooling Capacity @ 95°F (Btu/h) | 48,000                     |
|                        | EER @ 95°F                            | 13                         |
|                        | Rated Heating Capacity @ 47°F (Btu/h) | 48,500                     |
|                        | COP @ 47°F                            | 3.9                        |
|                        | Rated Heating Capacity @ 17°F (Btu/h) | 48,000                     |
| Ducted Performance     | COP @ 17°F                            | 2.6                        |
|                        | SEER2                                 | 21.6                       |
|                        | Rated Cooling Capacity @ 95°F (Btu/h) | 48,000                     |
|                        | EER @ 95°F                            | 11.5                       |
|                        | Rated Heating Capacity @ 47°F (Btu/h) | 49,000                     |
|                        | COP @ 47°F                            | 3.5                        |
| Refrigerant and Piping | Rated Heating Capacity @ 17°F (Btu/h) | 48,000                     |
|                        | COP @ 17°F                            | 2.2                        |
|                        | SEER2                                 | 16                         |
|                        | Refrigerant Type/Charge (oz.)         | R-32 / 8.8                 |
|                        | Liquid Pipe O.D. (in)                 | 3/8                        |
|                        | Gas Pipe O.D. (in)                    | 5/8                        |
|                        | High Gas Pipe O.D. (in)               | 3/4                        |

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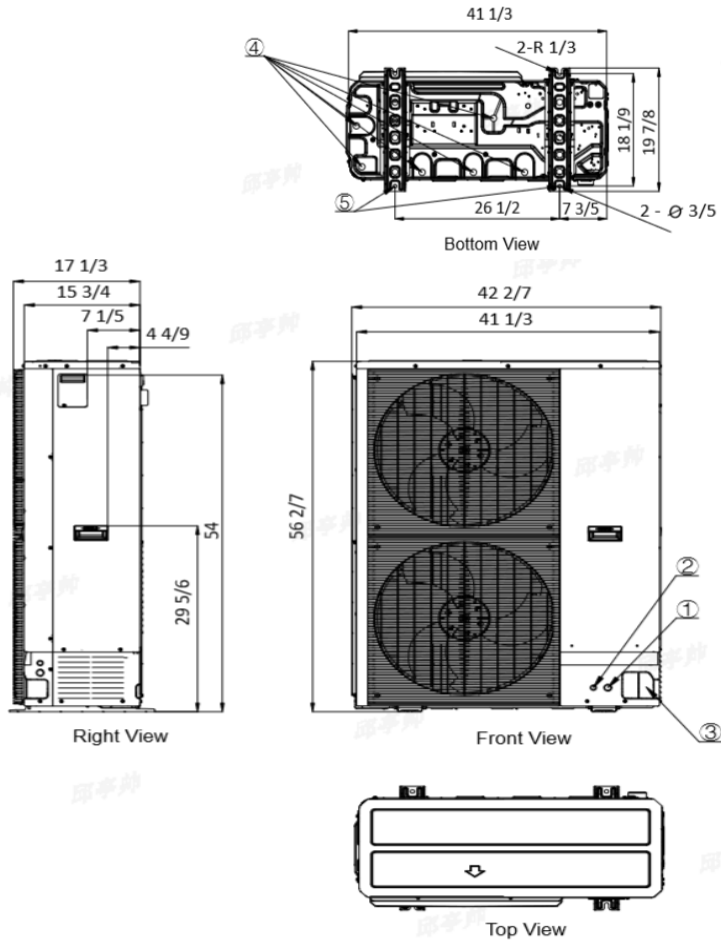
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SOLUTIONS



| No. | Parts Name                       |
|-----|----------------------------------|
| 1   | Power cable routing hole         |
| 2   | Communication cable routing hole |
| 3   | Pipe routing hole                |
| 4   | Drain hole                       |
| 5   | Foundation bolt hole             |

UNIT: Inches

SUBMITTAL REVISION HISTORY

05-05-26: Submittal release.

08-06-26: Specification updates