

# Outdoor Unit Multi-zone Heat Pump Ductless System

Outdoor Model: **38MGRQ24C--3**

## Submittal Data

Job Data:  Location:

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

Unit Number:  Model Number:

Performance Data Certified By:  Date:



### MULTI-ZONE STANDARD FEATURES

#### Features Outdoor:

- Connect up to 3, multiple style indoor units
  - High Wall
  - Cassette
  - Ducted
  - Console
- 100% Heating Capacity at 5° F (-15° C)
- Variable Speed (Inverter) Compressor
- Basepan Heater factory installed
- Quiet operation
- Aluminum Golden Hydrophilic pre-coated fins

Cooling operating range -13°~122° F (-25°~50° C)  
 Heating operating range -22°~86° F (-30°~30° C)

#### 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.



### Compatibility Table

For matched compatibility see Product Data

| INDOOR UNIT |              |               |              |
|-------------|--------------|---------------|--------------|
| High Wall   | 40MPHAQ09XA3 | 619PHAQ09XA3  | DHMPHAQ09XA3 |
|             | 40MPHAQ12XA3 | 619PHAQ12XA3  | DHMPHAQ12XA3 |
|             | 40MAQB09B--3 | 619PEQ009BBMA | DHMSHAQ09XA3 |
|             | 40MAQB12B--3 | 619PEQ012BBMA | DHMSHAQ12XA3 |
|             | 40MAQB18B--3 | 619PEQ018BBMA | DHMSHAQ18XA3 |
|             | 40MHHQ09---3 |               |              |
|             | 40MHHQ12---3 |               |              |
| Cassette    | 40MBQB09C--3 | 619REQ009CBMA | 40MBCQ09---3 |
|             | 40MBQB12C--3 | 619REQ012CBMA | 40MBCQ12---3 |
|             | 40MBQB18C--3 | 619REQ018CBMA | 40MBCQ18---3 |
| Ducted      | 40MBQB09D--3 | 619REQ009DBMA | 40MBDQ09---3 |
|             | 40MBQB12D--3 | 619REQ012DBMA | 40MBDQ12---3 |
|             | 40MBQB18D--3 | 619REQ018DBMA | 40MBDQ18---3 |
| Console     | 40MBQB09F--3 | 619REQ009FBMA | 40MBFQ09---3 |
|             | 40MBQB12F--3 | 619REQ012FBMA | 40MBFQ12---3 |
|             |              |               | 40MBFQ18---3 |

# Specifications

|   |                                |              |            |
|---|--------------------------------|--------------|------------|
| System  | Size                           | 24           |            |
|   | Outdoor Model                  | 38MGRQ24C--3 |            |
|   | Max Number of Zones            | 3            |            |
| Performance Non-Ducted                        | Energy Star                    | YES          |            |
|   | Cooling System Tons            | 2.0          |            |
|   | Cooling Rated Capacity         | Btu/h        | 24,000     |
|   | Cooling Cap. Range Min - Max   | Btu/h        | 7880~33510 |
|   | SEER                           | 23           |            |
|   | EER                            | 12.5         |            |
|   | Heating Rated Capacity (47°F)  | Btu/h        | 23,000     |
|   | Heating Maximum Capacity (5°F) | Btu/h        | 23,000     |
|   | Heating Cap. Range Min - Max   | Btu/h        | 6010~36180 |
|   | HSPF                           | 10           |            |
|   | COP (47°F)                     | W/W          | 3.9        |
| COP (5°F)                                     | W/W                            | 2.1          |            |
| Performance Combination Ducted and Non-Ducted | Energy Star                    | YES          |            |
|   | Cooling System Tons            | 1.9          |            |
|   | Cooling Rated Capacity         | Btu/h        | 23,000     |
|   | Cooling Cap. Range Min - Max   | Btu/h        | 7765~31955 |
|   | SEER                           | 21           |            |
|   | EER                            | 12.5         |            |
|   | Heating Rated Capacity (47°F)  | Btu/h        | 22,000     |
|   | Heating Maximum Capacity (5°F) | Btu/h        | 22,000     |
|   | Heating Cap. Range Min - Max   | Btu/h        | 5980~36190 |
|   | HSPF                           | 9.4          |            |
|   | COP (47°F)                     | W/W          | 3.85       |
| COP (5°F)                                     | W/W                            | 2.03         |            |
| Performance Ducted                            | Energy Star                    | YES          |            |
|   | Cooling System Tons            | 1.8          |            |
|   | Cooling Rated Capacity         | Btu/h        | 22,000     |
|   | Cooling Cap. Range Min - Max   | Btu/h        | 7650~30400 |
|   | SEER                           | 19           |            |
|   | EER                            | 12.5         |            |
|   | Heating Rated Capacity (47°F)  | Btu/h        | 21,000     |
|   | Heating Maximum Capacity (5°F) | Btu/h        | 21,000     |
|   | Heating Cap. Range Min - Max   | Btu/h        | 5950~36200 |
|   | HSPF                           | 8.8          |            |
|   | COP (47°F)                     | W/W          | 3.8        |
| COP (5°F)                                     | W/W                            | 1.96         |            |

|                 |                                |                                       |                  |
|-----------------|--------------------------------|---------------------------------------|------------------|
| 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)                                | 197(60)          |
|                 | Piping to furthest FCU         | ft (m)                                | 98 (30)          |
|                 | Drop (OD above ID)             | ft (m)                                | 49(15)           |
|                 | Lift (OD below ID)             | ft (m)                                | 49(15)           |
|                 | Pipe Connection Size - Liquid  | in (mm)                               | 1/4*3(6.35*3)    |
|                 | Pipe Connection Size - Suction | in (mm)                               | 3/8*3(9.52*3)    |
| Refrigerant     | Type                           | R410A                                 |                  |
|                 | Charge                         | lbs (kg)                              | 6.17(2.8)        |
|                 | Metering Device                | EEV                                   |                  |
| Electrical      | Voltage, Phase, Cycle          | V/Ph/Hz                               | 208/230-1-60     |
|                 | Power Supply                   | Indoor unit powered from outdoor unit |                  |
|                 | MCA                            | A.                                    | 25               |
|                 | MOCP - Fuse Rating             | A.                                    | 35               |
| Compressor      | Type                           | R410A                                 |                  |
|                 | Model                          | ATF235D22UMT                          |                  |
|                 | Oil Type                       | ESTER OIL VG74                        |                  |
|                 | Oil Charge                     | Fl. Oz.                               | 23.58            |
|                 | Rated Current                  | RLA                                   | 15               |
| Outdoor         | Unit Width                     | in (mm)                               | 41.22 (1047)     |
|                 | Unit Height                    | in (mm)                               | 31.88 (810)      |
|                 | Unit Depth                     | in (mm)                               | 17.91 (455)      |
|                 | Net Weight                     | lbs (kg)                              | 149.9 (68)       |
|                 | Airflow                        | CFM                                   | 2130             |
| Sound Pressure  | dB(A)                          | 63.4                                  |                  |

# Construction View

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