

# Submittal Data

## MMD012M6-1P (JNG12ZDD)

### Multi-Position Air Handler

Job Name: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Submitted to: \_\_\_\_\_

Unit designation: \_\_\_\_\_

Location: \_\_\_\_\_

Engineer: \_\_\_\_\_

Reference \_\_\_\_\_ Approval \_\_\_\_\_ Construction \_\_\_\_\_

Schedule #: \_\_\_\_\_

#### General Information

- The system shall have a built-in Wi-Fi adapter as standard to allow control and monitoring using the Samsung SmartThings app.
- The outdoor unit shall supply power to indoor unit via 14 AWG X 3 power wire (when accessory electric heat kits are not installed).

#### Construction

- Insulated, galvanized steel.

#### Refrigerant System

- The heat exchanger shall be mechanically bonded aluminum fin to copper tube.
- Refrigerant flow shall be controlled by electronic an expansion valve at the outdoor unit
- The system shall include an R32 alarm output plug on the indoor unit and outdoor unit for notification of R32 leak detection (VSTAT10P-1 accessory is required).

#### Indoor Fan

- Three fan speeds and auto setting

#### Controls

- Control wiring shall be 2 X 16 AWG wire.
- The unit shall be operated via a wireless or wired remote control with DDC type signal.
- Dual set temperature support when connected to supported controllers.
- Wired or wireless controllers must be purchased separately.

#### External Heat Control

- External heat control functionality allows for configuration of fan operation during auxiliary heat operation, defrost, and emergency heat (VSTAT10P-1 accessory required when controlling heating devices other than V1EHK\*\*-1P electric heat kits).
- External heat control configuration settings include outside ambient external heat lockout, outside ambient compressor lockout, and time delay options (VSTAT10P-1 accessory required when controlling heating devices other than V1EHK\*\*-1P electric heat kits).



Note: Unit appearance may vary slightly

- Emergency heat functionality allows the system to continue controlling the external heat source even when system errors prevent the heat pump from operating (VSTAT10P-1 accessory required when controlling heating devices other than V1EHK\*\*-1P electric heat kits).
- External heat control functionality allows for configuration of fan operation during auxiliary heat operation, defrost, and emergency heat
- Emergency heat functionality allows the system to continue controlling the external heat source even when system errors prevent the heat pump from operating

#### Convenience

- Emergency Temperature Output (ETO) function: when indoor unit is in error status or when room temperature exceeds configurable temperature level, the system outputs a signal to an external source, e.g., backup system, building management system, alert device (ex: status light, warning lamp, buzzer).



Intertek

## Specifications

|                        |                          |                   |                                                                   |
|------------------------|--------------------------|-------------------|-------------------------------------------------------------------|
| Model                  | US Code                  |                   | JNG12ZDD                                                          |
|                        | Model Number             |                   | MMD012M6-1P                                                       |
| Performance            | Nominal Capacity         | Cooling (Btu/h)   | 12,000                                                            |
|                        |                          | Heating (Btu/h)   | 13,500                                                            |
| Power                  | Voltage                  | ø / V / Hz        | 1 / 208-230 / 60                                                  |
|                        | Operating Current (max.) | Cooling (A)       | 1.5                                                               |
|                        |                          | Heating (A)       | 1.5                                                               |
| Evaporator Fan         | Type                     |                   | Constant Torque With Double-inlet, Forward Curve, Centrifugal Fan |
|                        | Output                   | Watts             | 153                                                               |
|                        | External Static Pressure | Standard ("WC)    | 0.40                                                              |
|                        |                          | Min. / Max. ("WC) | 0.1 / 0.5                                                         |
| Airflow                | Air Volume (L/M/H)       | Cooling (CFM)     | 244 / 286 / 374                                                   |
|                        |                          | Heating (CFM)     | 244 / 286 / 374                                                   |
| Refrigerant            | Type                     |                   | R-32                                                              |
|                        | A2L Leak Detection       |                   | Integral                                                          |
| Pipe Connections       | Indoor & Outdoor         | High side         | 1/4                                                               |
|                        |                          | Low side          | 3/8                                                               |
|                        | Condensate Connection    |                   | 3/4" FNPT                                                         |
| Dimensions             | W X H X D                | In.               | 17 1/2 X 43 X 21                                                  |
|                        | Weight                   | lbs.              | 95.90                                                             |
|                        | Duct Connections (W X H) | Supply (in.)      | 12 1/2 X 15 1/2                                                   |
|                        |                          | Return (ID, in.)  | 17 1/2 X 21                                                       |
| Operating Temperatures | Indoor                   | Cooling           | 64 ~ 90°F (16 ~ 32°C)                                             |
|                        |                          | Heating           | T ≤ 86°F (30°C)                                                   |
| Sound Pressure Level   | Low / Med. / High        | dB(A)             | 32 / 34 / 36                                                      |
| Safety                 | Certifications           |                   | UL 60335-2-40                                                     |

## Accessories

|                                                                   |                          |            |
|-------------------------------------------------------------------|--------------------------|------------|
| Wired controller                                                  | Advanced                 | VSTAT04P-1 |
|                                                                   | Touchscreen              | VSTAT02P-1 |
| Thermostat adapter (for connection to standard 24VAC thermostats) |                          | VSTAT09P-1 |
| Wireless signal control                                           | Wireless signal receiver | VCTRL10P-1 |
|                                                                   | Wireless controller      | VSTAT01P-1 |
| External temperature sensor                                       |                          | VCTRL11P-1 |
| External contact control interface module                         |                          | VSTAT10P-1 |
| Filter base                                                       |                          | V1FBS01-4P |
| Supplemental electric heat kit                                    | 3kW                      | V1EHK01-1P |

Dimensional Drawing  
MMD012M6-1P (JNG12ZDD)

Unit: Inches

