

# SAMSUNG

## SUBMITTAL DATA

### AM007FEVDCG/AA High Wall WindFree™\*, R-32 DVM S Indoor Unit

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

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

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

Unit Designation: \_\_\_\_\_

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

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

Reference ☐ Approval ☐ Construction ☐

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

#### General Information

- Compatible with R-32 DVM S2+, DVM S+ Water, and DVM S Mini systems
- The indoor unit shall feature WindFree™\* mode. When activated in cooling mode the unit will close its louver and will disperse air into the space through thousands of micro-holes on the front of the indoor unit preventing cold air drafts on occupants.
- The indoor unit shall have integral Wi-Fi capability as standard to allow control and monitoring using the Samsung SmartThings app.

#### Construction

- The indoor unit chassis shall be UL94 V0 with a galvanized steel mounting bracket
- The indoor unit shall have easy access to wire, pipe, and drain connections via the access panel on the bottom of the unit for simple installation and service

#### Refrigerant System

- The heat exchanger shall be mechanically bonded fin to copper tube
- Refrigerant flow shall be controlled by an electronic expansion valve at the indoor unit
- The indoor unit shall include an R32 alarm output plug for simple notification or interlock of third-party equipment upon R32 leak detection (MIM-B14U accessory required).

#### Indoor Fan

- The indoor fan shall be a single, antibacterial cross-flow type
- Three fan speeds and auto settings
- Automatic (motorized) vertical swing (up/down) and horizontal swing (left/right) louvers

#### Controls

- Control wiring shall be 2 X 16 AWG.
- The unit shall be operated via a wired remote controller model MWR-WG01UN, purchased separately.



- Dual set temperature support when connected to supported wired controllers.
- The indoor unit shall have a simple connection for condensate overflow detection devices or any normally closed contact for simple unit shutdown.

#### Convenience

- 7-segment digital display on the front of the unit to display temperature and unit status
- Washable main filter as standard accessible from the top of the unit
- Emergency Temperature Output (ETO) function: when indoor unit is in error status or when room temperature exceeds a configurable temperature level, the system outputs a signal to an external source (e.g., backup system, building management system, alert device like status light, warning lamp, or buzzer).



\*The WindFree™ unit delivers an air current that is under 0.15 m/s while in WindFree™ mode. Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE (American Society of Heating, Refrigerating, and Air Conditioning Engineers).

## Specifications AM007FEVDCG/AA

|                      |                          |                 |                                |
|----------------------|--------------------------|-----------------|--------------------------------|
| Model                | Indoor Unit Model Number |                 | AM007FEVDCG/AA                 |
| Performance          | Nominal Capacity         | Cooling (Btu/h) | 7,500                          |
|                      |                          | Heating (Btu/h) | 8,500                          |
| Power                | Voltage                  | ø / V / Hz      | 1 / 208-230 / 60               |
|                      | Operating Current (max.) | Cooling (A)     | 0.16                           |
|                      |                          | Heating (A)     | 0.16                           |
|                      | MCA                      | A               | 0.20                           |
|                      | MOP                      | A               | 15                             |
| Evaporator Fan       | Type                     |                 | BLDC motor with cross-flow fan |
|                      | Output                   | Watts           | 27                             |
| Airflow              | Air Volume (L/M/H)       | Cooling (CFM)   | 159 / 177 / 201                |
|                      |                          | Heating (CFM)   | 159 / 177 / 201                |
| Refrigerant          | Type                     |                 | R-32                           |
|                      | A2L Leak Detection       |                 | Integral                       |
| Pipe Connections     | Refrigerant              | High side (In.) | 1/4                            |
|                      |                          | Low side (In.)  | 1/2                            |
|                      | Condensate               |                 | 11/16" OD                      |
| Dimensions           | W X H X D                | In.             | 32 5/16 X 11 13/16 X 8 1/2     |
|                      | Weight                   | lbs.            | 19.80                          |
| Sound Pressure Level | Low/Med./High/Turbo      | dB(A)           | 27 / 30 / 32 / 34              |
| Safety               | Certifications           |                 | UL 60335-2-40                  |

## Accessories AM007FEVDCG/AA

|                                                                   |                                          |                                              |
|-------------------------------------------------------------------|------------------------------------------|----------------------------------------------|
| Condensate pump                                                   | Aspen Mini Orange                        | <input type="checkbox"/> ASP-MO-UNIV 110-250 |
|                                                                   | Blue Diamond MaxiBlue                    | <input type="checkbox"/> BD-BLUE-230         |
|                                                                   | Blue Diamond MicroBlue w/slim fascia kit | <input type="checkbox"/> X86-011             |
| Wired controller                                                  | Advanced                                 | <input type="checkbox"/> MWR-WG01UN          |
|                                                                   | Touchscreen                              | <input type="checkbox"/> MWR-SH12UN          |
| Thermostat adapter (for connection to standard 24VAC thermostats) |                                          | <input type="checkbox"/> MIM-A60UN           |
| Wireless controller                                               |                                          | <input type="checkbox"/> AR-CH01U            |
| External temperature sensor                                       |                                          | <input type="checkbox"/> MRW-TAU             |
| External contact control interface module                         |                                          | <input type="checkbox"/> MIM-B14U            |

# Dimensional Drawing

## AM007FEVDCG/AA

Unit: Inches

