

# Submittal Data

## VOWD015S6-5P VRF 1-Way Cassette

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

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

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

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

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

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

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

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

### General Information

- Compatible with R-32 VRF air, water, and mini-VRF systems.
- The indoor unit shall feature calm air 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 an integral condensate pump with maximum 26-5/16" lift from bottom of the unit (21-5/16" from drain outlet) with check valve and float switch to disable unit in the event of condensate overflow.
- The indoor unit fascia panel shall have a built-in Wi-Fi adapter as standard to allow control and monitoring using the Samsung SmartThings app.

### Construction

- Insulated, HIPS chassis and fascia panel certified to UL94 V0.
- High-voltage terminal block temperature sensor to disable unit in the event of power connection overheating.

### Refrigerant System

- The heat exchanger shall be mechanically boded aluminum fin to copper tube.
- The indoor unit shall include an R32 alarm output plug for simple notification or interlock of third-party equipment upon R32 leak detection (VSTAT10P-1 accessory required).

### Indoor Fan

- Three fan speed settings and auto settings
- Electro-static, washable filter as standard (included with fascia panel)
- Fascia panel shall have LED display, infrared receiver, and motorized 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 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).
- External heat control configuration settings include outside ambient external heat lockout, outside ambient compressor lockout, and time delay options (VSTAT10P-1 accessory required).
- 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).
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### Convenience

- 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).

# Specifications VOWD015S6-5P

|                      |                          |                 |                                |
|----------------------|--------------------------|-----------------|--------------------------------|
| Model                | Indoor Unit Model Number |                 | VOWD015S6-5P                   |
| Performance          | Nominal Capacity         | Cooling (Btu/h) | 15,000                         |
|                      |                          | Heating (Btu/h) | 17,000                         |
| Power                | Voltage                  | ø / V / Hz      | 1 / 208-230 / 60               |
|                      | Operating Current (max.) | Cooling (A)     | 0.26                           |
|                      |                          | Heating (A)     | 0.26                           |
|                      | MCA                      | A               | 0.33                           |
|                      | MOP                      | A               | 15                             |
| Evaporator Fan       | Type                     |                 | BLDC motor with cross-flow fan |
|                      | Output                   | Watts           | 54                             |
| Airflow              | Air Volume (L/M/H)       | Cooling (CFM)   | 343 / 378 / 392                |
|                      |                          | Heating (CFM)   | 343 / 378 / 392                |
| Refrigerant          | Type                     |                 | R-32                           |
|                      | A2L Leak Detection       |                 | Integral                       |
| Pipe Connections     | Refrigerant              | High side (In.) | 1/4                            |
|                      |                          | Low side (In.)  | 1/2                            |
|                      | Condensate               |                 | 1 1/4 in. OD, 1 in. ID         |
| Dimensions           | W X H X D                | In.             | 47 1/4 X 5 7/16 X 17 3/4       |
|                      | Weight                   | lbs.            | 28.70                          |
| Sound Pressure Level | Low/Med./High            | dB(A)           | 34 / 37 / 38                   |
| Safety               | Certifications           |                 | UL 60335-2-40                  |
| Fascia Panel         | L X W X H                | In.             | 55 1/2 X 4.75 X 1 3/8          |
|                      | Weight                   | lbs.            | 11.0                           |
| Safety               | Certifications           |                 | UL 60335-2-40                  |

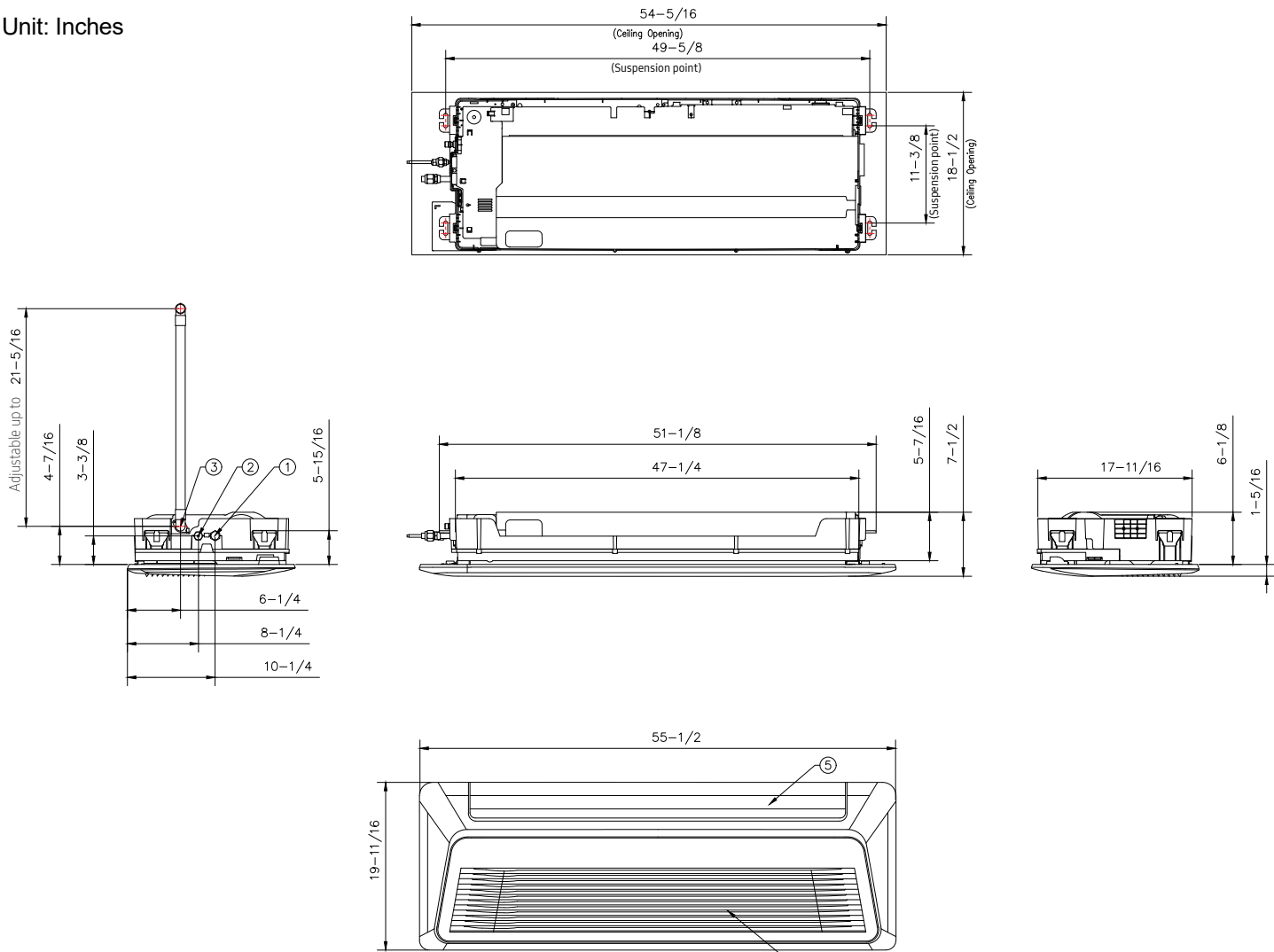
## Accessories VOWD015S6-5P

|                                                                   |             |                             |
|-------------------------------------------------------------------|-------------|-----------------------------|
| Fascia Panel                                                      |             | V1VOWD05CPWW                |
| Wired controller                                                  | Advanced    | VSTAT04P-1                  |
|                                                                   | Touchscreen | VSTAT02P-1                  |
| Thermostat adapter (for connection to standard 24VAC thermostats) |             | VSTAT09P-1                  |
| Wireless controller                                               |             | VSTAT01P-1                  |
| External temperature sensor                                       |             | VCTRL11P-1                  |
| External contact control interface module                         |             | VSTAT10P-1                  |
| CN83 Pigtail (for 12VDC VENT output)                              |             | JV DB39-01263A CN83 Pigtail |

# Dimensional Drawing

## VOWD015S6-5P

Unit: Inches



| No. | Description                                      |
|-----|--------------------------------------------------|
| 1   | Liquid pipe connection (1/4)                     |
| 2   | Gas pipe connection (1/2)                        |
| 3   | Drain hose onnection                             |
| 4   | Opening for power and communication wire conduit |
| 5   | Air outlet louver                                |
| 6   | Air inlet grille                                 |