

# Submittal Data

## VOWD018S6-5P 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 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 VSTAT04P-1, 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 VOWD018S6-5P

Model	Indoor Unit Model Number		VOWD018S6-5P
Performance	Nominal Capacity	Cooling (Btu/h)	18,000
		Heating (Btu/h)	20,000
Power	Voltage	ø / V / Hz	1 / 208-230 / 60
	Operating Current (max.)	Cooling (A)	0.28
		Heating (A)	0.28
	MCA	A	0.35
	MOP	A	15
Evaporator Fan	Type		BLDC motor with cross-flow fan
	Output	Watts	54
Airflow	Air Volume (L/M/H)	Cooling (CFM)	441 / 494 / 565
		Heating (CFM)	441 / 494 / 565
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)	35 / 38 / 41
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

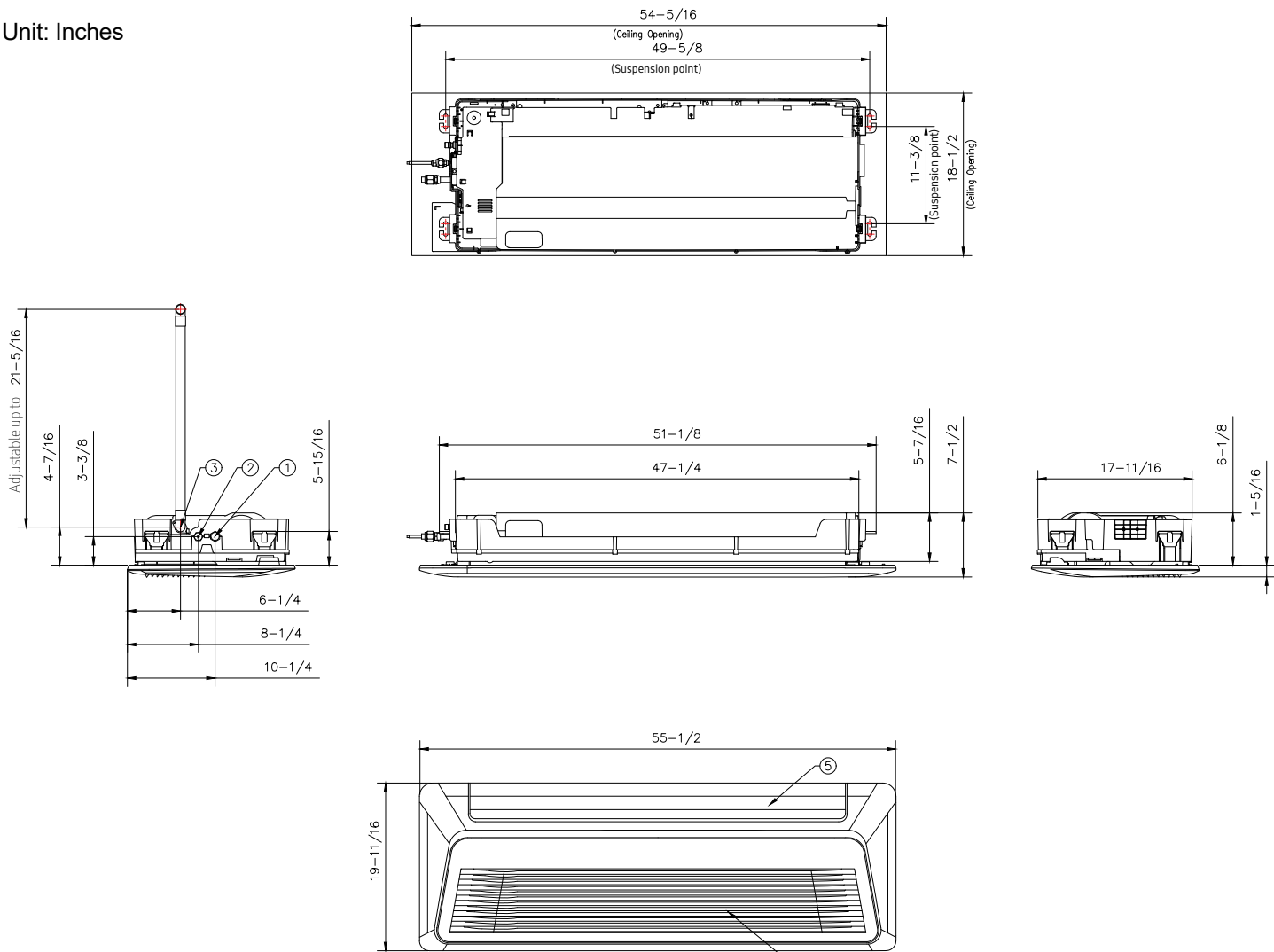
# Accessories VOWD018S6-5P

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

## VOWD018S6-5P

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