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Job Name:	Location:
Purchaser:	Engineer:
Submitted to:	Reference: Approval Construction
Unit designation:	Schedule #:

General Information

- Compatible with R-32 VRF air, water, and mini-VRF systems.
- The indoor unit shall have a built-in Wi-Fi adapter as standard to allow control and monitoring using the Samsung SmartThings app.

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 expansion valve at the indoor unit.
- The indoor unit shall include an R-32 alarm output plug for simple notification or interlock of third-party equipment upon R-32 leak detection (VSTAT10P-1 accessory required).

Indoor Fan

- Smart pressure control feature that adjusts fan speed based on ESP delivering consistent heating and cooling power.
- The indoor unit shall have a smart-tuning function that can provide optimized comfort by allowing the occupant to offset the fan CFM curve to increase or decrease airflow.
- The indoor unit shall have automatic air volume scanning for simple setup and optimized comfort settings for the occupant.

Controls

- Control wiring shall be 2 X 16 AWG wire.
- 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).
- External heat control functionality allows for configuration of fan operation during auxiliary heat operation, defrost, and emergency heat.
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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).
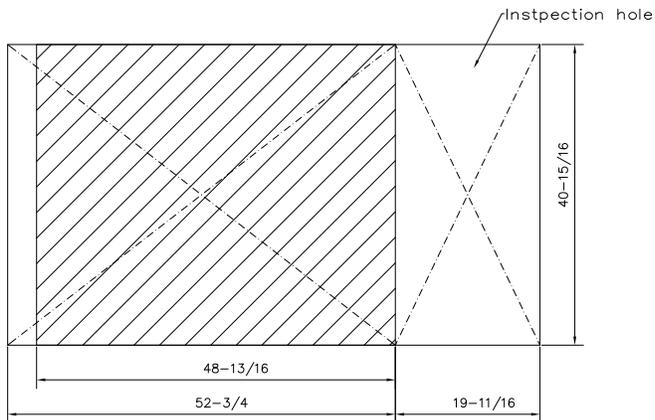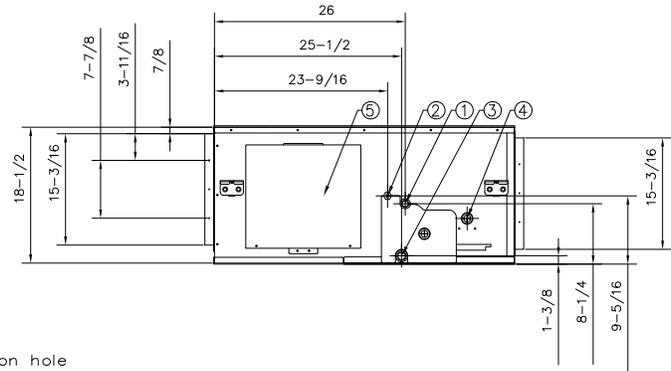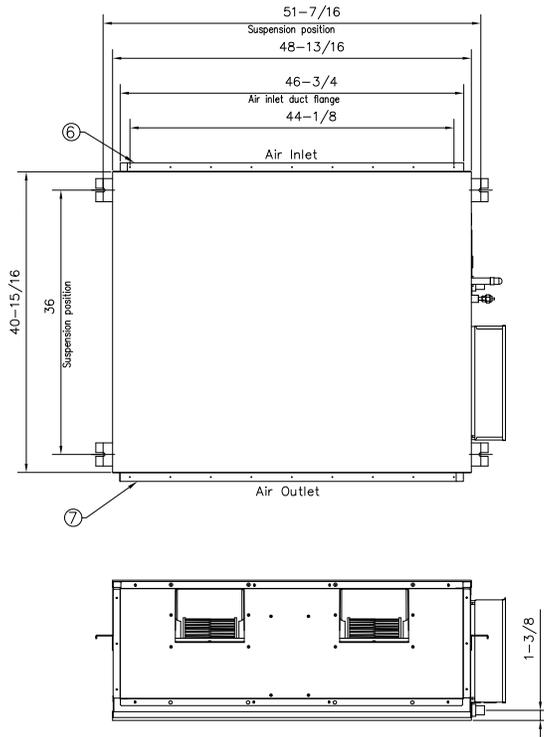
SPECIFICATIONS VHID076S6-5P

Model	Indoor Unit Model Number		VHID076S6-5P
Performance	Nominal Capacity	Cooling (Btu/h)	76,800
		Heating (Btu/h)	85,200
Power	Voltage	Φ / V / Hz	1 / 208-230 / 60
	Current Input	Cooling (A)	3.80
		Heating (A)	3.80
	MCA	A	10.0
	MOP	A	15.0
Fan	Type		BLDC with Sirocco Fan
	Motor Output	Watts	400
	External Static Pressure	Standard ("WC)	0.59
		Min. / Max. ("WC)	0.20 / 0.98
Airflow	Air Volume (L/M/H)	CFM	1,660 / 1,836 / 2,048
Refrigerant	Type		R-32
	A2L Leak Detection		Integral
Piping Connections	Refrigerant	High side (in.)	3/8
		Low side (in.)	3/4
	Condensate Drain	in.	OD 1 1/4, ID 1
Dimensions	W×H×D	in.	48 13/16 X 18 1/2 X 40 15/16
	Weight	lbs.	190.7
	Duct Connections (W X H)	Supply (in.)	46 3/4 X 15 5/32
		Return (ID, in.)	46 3/4 X 15 5/32
Sound Pressure Level	Low / Mid / High	dB(A)	41/43/45

ACCESSORIES VHID076S6-5P

Filter box		V1FBX04-4P
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
CN83 Pigtail (for 12VDC VENT output)		JV DB39-01263A CN83 Pigtail
Condensate Pump		VDRP02HI

Unit: Inches

No	Description
1	Gas Pipe Connection (3/8)
2	Liquid Pipe Connection (5/8)
3	Drain Connection (Without Drain Pump)
4	Drain Connection (With Drain Pump)
5	Control Unit
6	Return Air
7	Air Discharge Grille Flange