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 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

- Three fan speeds and auto setting.

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 when controlling heating devices other than V1EHK0*-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 V1EHK0*-1P electric heat kits).
- 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 V1EHK0*-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).

SPECIFICATIONS VVCD072S6-5P

Model	Indoor Unit Model Number		VVCD072S6-5P
Performance	Nominal Capacity	Cooling (Btu/h)	72,000
		Heating (Btu/h)	80,000
Power	Voltage	Φ / V / Hz	1 / 208-230 / 60
	Operating Current (Nominal)	Cooling (A)	4.20
		Heating (A)	4.20
	MCA	A	7.5
	MOP	A	15.0
Evaporator Fan	Type		BLDC with Sirocco Fan
	Consumption	Watts	950
	External Static Pressure	Standard ("WC)	0.40
		Min. / Max. ("WC)	0.10 /1.00
Airflow	Air Volume (L/M/H)	Cooling (CFM)	1,375 / 1,681 / 2,110
		Heating (CFM)	1,375 / 1,681 / 2,110
Refrigerant	Type		R-32
	A2L Leak Detection		Integral
Piping Connections	Refrigerant	High side (in.)	3/8
		Low side (in.)	3/4
	Condensate Drain	in.	3/4" FNPT
Dimensions	W×H×D	in.	24 1/2 X 58 3/4 X 21 13/16
	Weight	lbs.	239.0
	Duct Connections (W X H)	Supply (in.)	22 X 14 1/4
		Return (ID, in.)	24 1/2 X 21 13/16
Sound Pressure Level	Low / Mid / High	dB(A)	46/48/50

ACCESSORIES VVCD072S6-5P

Filter box			V1FBS03-4P
Downflow kit			VDK-3W
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
Supplemental electric heat kit	5kW		V1EHK05-1P
	10kW		V1EHK06-1P
	15kW		V1EHK07-1P
	20kW		V1EHK08-1P

Unit: Inches
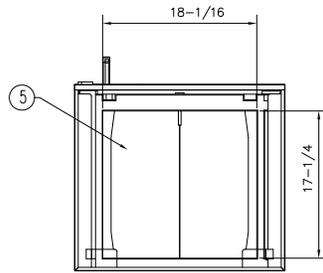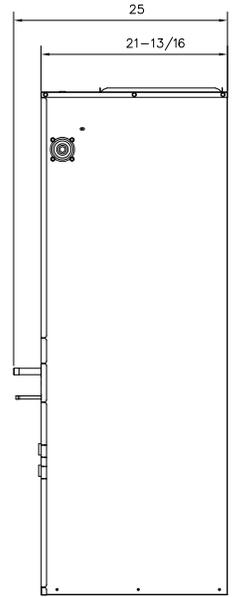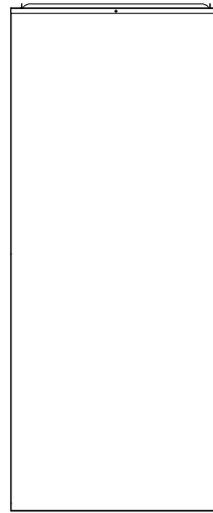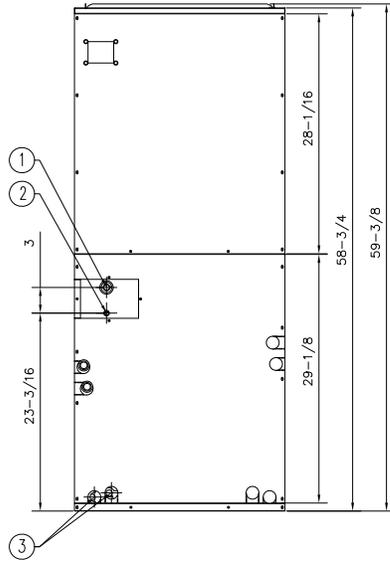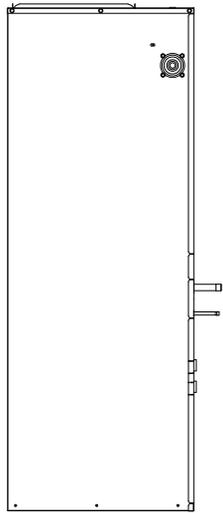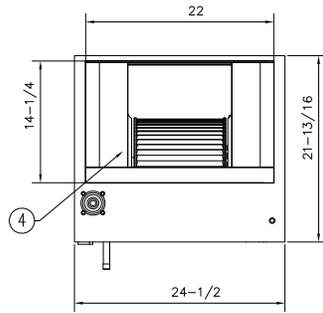
No	Description
1	Gas pipe connection (braze) (3/4)
2	Liquid pipe connection (braze) (3/8)
3	Drain pipe connection
4	Air outlet opening
5	Air inlet opening