Submittal Data
M22D012S6-1P (CNG12NDD) For Multi-Zone Systems
4-Way (2 x 2) Cassette Unit

Job Name: _____ Location: _____

Purchaser: _____ Engineer: _____

Submitted to: _____ Reference _____ Approval _____ Construction

Unit designation: _____ Schedule #: _____

General Information

- 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 29" lift from bottom of the unit 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.
- The outdoor unit shall provide 208/230V power to the indoor unit via 14 AWG X 3 interconnect power cable.

Construction

- Insulated, HIPS chassis and fascia panel certified to UL94 V0.
- The indoor unit shall include a knock-out for outside air capability (booster fan connection).

Refrigerant System

- The heat exchanger shall be mechanically boded aluminum fin to copper tube.
- Refrigerant flow shall be controlled by an electronic expansion valve at the outdoor unit.
- The system shall include an R32 alarm output plug on the indoor unit and outdoor unit for notification of R32 leak detection when the indoor unit refrigerant leak detector detects a refrigerant leak (VSTAT10P-1 accessory is required).

Indoor Fan

- Three fan speed settings and auto settings.
- Washable filter as standard.
- Fascia panel shall have LED display, infrared receiver, and motorized louvers.
- The calm air mode function will close the supply air outlet louver while in cooling mode to gently disperse cool air into the space without blowing directly onto occupants.
- The calm air mode feature is optional and can be enabled using central or local control options.

Controls

- Control wiring shall be 2 X 16 AWG.
- The unit shall be operated via a wireless or wired remote control with DDC-type signal (purchased separately).
- Dual set temperature support when connected to supported controllers.

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).
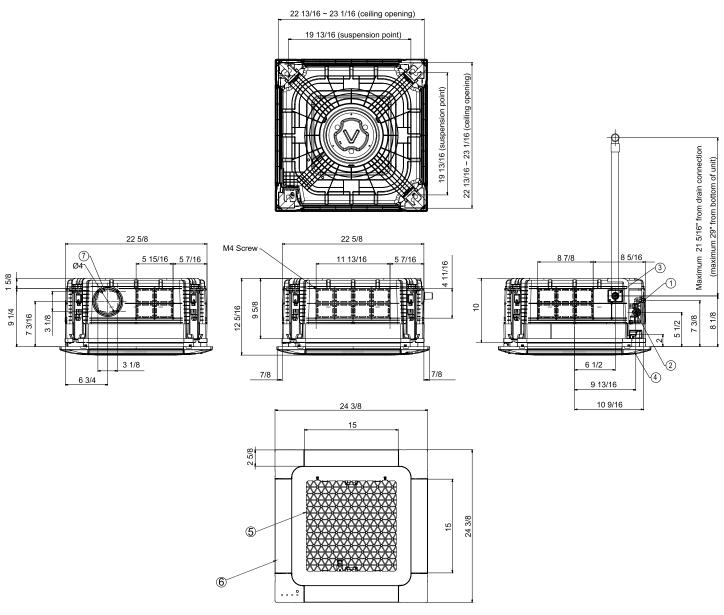
Intertek

Specifications

Model	US Code		CNG12NDD
	Model Number		M22D012S6-1P
Performance	Nominal Capacity	Cooling (Btu/h)	12,000
		Heating (Btu/h)	14,000
Power	Voltage	ø / V / Hz	1 / 208-230 / 60
	Operating Current (max.)	Cooling (A)	0.3
		Heating (A)	0.3
Evaporator Fan	Type		BLDC (1) With Turbo Type Fan (1)
	Output	Watts	65
Airflow	Air Volume (L/M/H)	Cooling (CFM)	226 / 283 / 325
		Heating (CFM)	226 / 283 / 325
Refrigerant	Type		R-32
	A2L Leak Detection		Integral
Pipe Connections	Indoor & Outdoor	High side (In.)	1/4
		Low side (In.)	3/8
	Condensate Connection		1 1/4 in. OD, 1 in. ID
Dimensions	W X H X D	In.	22 5/8 X 9 13/16 X 22 5/8
	Weight	lbs.	25.40
Operating Temperatures	Indoor	Cooling	64 ~ 90°F (16 ~ 32°C)
		Heating	T ≤ 86°F (30°C)
Sound Pressure Level	Low/Med./High	dB(A)	25 / 30 / 34
Safety	Certifications		UL 60335-2-40
Fascia Panel	L X W X H	In.	24 3/8 X 24 3/8 X 2 3/8
	Weight	lbs.	6
Safety	Certifications		UL 60335-2-40

Accessories

Fascia Panel		V1V22D01CPWW
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

Dimensional Drawing
M22D012S6-1P (CNG12NDD)

Unit: Inches

22 13/16 ~ 23 1/16 (ceiling opening)

19 13/16 (suspension point)

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22 13/16 ~ 23 1/16 (ceiling opening)

22 5/8

5 15/16   5 7/16

⑦ Ø4

1 5/8

9 1/4

7 3/16

3 1/8

3 1/8

6 3/4

M4 Screw

22 5/8

11 13/16   5 7/16

4 11/16

12 5/16

9 5/8

7/8   7/8

8 7/8   8 5/16

10

③
①
2
5 1/2
7 3/8
8 1/8

6 1/2
②
④
9 13/16

10 9/16

Maximum 21 5/16" from drain connection
(maximum 29" from bottom of unit)

24 3/8

15

2 5/8

15

24 3/8

⑤

⑥

No.	Description
1	Liquid pipe connection
2	Suction pipe connection
3	Drain connection
4	Opening for power and communication wire conduit
5	Air inlet grille
6	Supply air outlet louver
7	Fresh air intake (Ø 4")