

SAMSUNG

SUBMITTAL DATA

AM012FE1DCG/AA WindFree™* 1-Way Cassette, R-32 DVM S Indoor Unit

Job Name: _____

Purchaser: _____

Submitted to: _____

Unit Designation: _____

Location: _____

Engineer: _____

Reference ☐ Approval ☐ Construction ☐

Schedule #: _____

General Information

- Compatible with R-32 DVM S2+, DVM S+ Water, and DVM S Mini systems
- The indoor unit shall feature WindFree™* 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 (MIM-B14U 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 (MIM-B14U accessory required).



- External heat control configuration settings include outside ambient external heat lockout, outside ambient compressor lockout, and time delay options (MIM-B14U 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 (MIM-B14U 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 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).



*The WindFree™ unit delivers an air current that is under 0.15 m/s while in WindFree™ mode. Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE (American Society of Heating, Refrigerating, and Air Conditioning Engineers).

Specifications AM012FE1DCG/AA

Model	Indoor Unit Model Number		AM012FE1DCG/AA
Performance	Nominal Capacity	Cooling (Btu/h)	12,000
		Heating (Btu/h)	13,500
Power	Voltage	ø / V / Hz	1 / 208-230 / 60
	Operating Current (max.)	Cooling (A)	0.25
		Heating (A)	0.25
	MCA	A	0.31
	MOP	A	15
Evaporator Fan	Type		BLDC motor with cross-flow fan
	Output	Watts	23
Airflow	Air Volume (L/M/H)	Cooling (CFM)	212 / 247 / 283
		Heating (CFM)	212 / 247 / 283
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.	38 3/16 X 5 5/16 X 16 1/8
	Weight	lbs.	21.40
Sound Pressure Level	Low/Med./High	dB(A)	30 / 33 / 37
Safety	Certifications		UL 60335-2-40
Fascia Panel	L X W X H	In.	47 3/16 X 19 11/16 X 1 3/8
	Weight	lbs.	9.5
Safety	Certifications		UL 60335-2-40

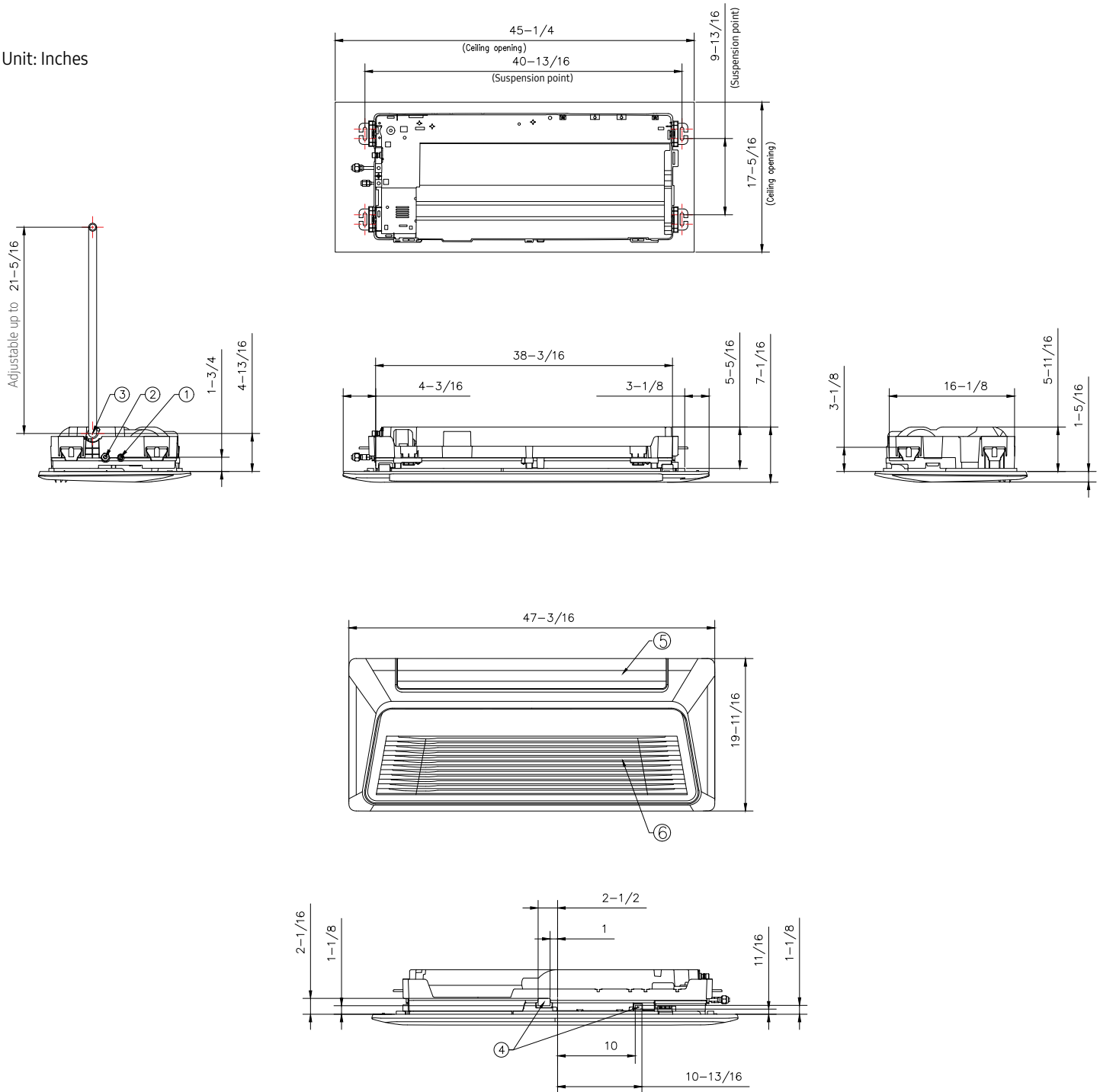
Accessories AM012FE1DCG/AA

Fascia Panel		☐	PC1NWFMUNW
Wired controller	Advanced	☐	MWR-WG01UN
	Touchscreen	☐	MWR-SH12UN
Thermostat adapter (for connection to standard 24VAC thermostats)		☐	MIM-A60UN
Wireless controller		☐	AR-CH01U
External temperature sensor		☐	MRW-TAU
External contact control interface module		☐	MIM-B14U
CN83 Pigtail (for 12VDC VENT output)		☐	DB39-01263A

Dimensional Drawing

AM012FE1DCG/AA

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