

SAMSUNG

SUBMITTAL DATA

AM018FEVDCG/AA High Wall WindFree™*, 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 integral Wi-Fi capability as standard to allow control and monitoring using the Samsung SmartThings app.

Construction

- The indoor unit chassis shall be UL94 V0 with a galvanized steel mounting bracket
- The indoor unit shall have easy access to wire, pipe, and drain connections via the access panel on the bottom of the unit for simple installation and service

Refrigerant System

- The heat exchanger shall be mechanically bonded fin to copper tube
- Refrigerant flow shall be controlled by an electronic expansion valve at the indoor unit
- 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

- The indoor fan shall be a single, antibacterial cross-flow type
- Three fan speeds and auto settings
- Automatic (motorized) vertical swing (up/down) and horizontal swing (left/right) 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 wired controllers.
- The indoor unit shall have a simple connection for condensate overflow detection devices or any normally closed contact for simple unit shutdown.

Convenience

- 7-segment digital display on the front of the unit to display temperature and unit status
- Washable main filter as standard accessible from the top of the unit
- 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 AM018FEVDCG/AA

Model	Indoor Unit Model Number		AM018FEVDCG/AA
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)	0.35
		Heating (A)	0.35
	MCA	A	0.44
	MOP	A	15
Evaporator Fan	Type		BLDC motor with cross-flow fan
	Output	Watts	27
Airflow	Air Volume (L/M/H)	Cooling (CFM)	424 / 487 / 555
		Heating (CFM)	424 / 487 / 555
Refrigerant	Type		R-32
	A2L Leak Detection		Integral
Pipe Connections	Refrigerant	High side (In.)	1/4
		Low side (In.)	1/2
	Condensate		11/16" OD
Dimensions	W X H X D	In.	41 1/2 X 11 13/16 X 8 1/2
	Weight	lbs.	26.50
Sound Pressure Level	Low/Med./High/Turbo	dB(A)	29 / 34 / 37 / 40
Safety	Certifications		UL 60335-2-40

Accessories AM018FEVDCG/AA

Condensate pump	Aspen Mini Orange	☐ ASP-MO-UNIV 110-250
	Blue Diamond MaxiBlue	☐ BD-BLUE-230
	Blue Diamond MicroBlue w/slim fascia kit	☐ X86-011
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

AM018FEVDCG/AA

Unit: Inches



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