

Job Name

Purchaser

Submitted to

Unit Designation

Location

Engineer

Reference

Schedule #

Approval

Construction

Specifications

Performance	Nominal Capacity ¹	Cooling (Btu/h)	7,500
		Heating (Btu/h)	7,800
Power	Voltage (ø/V/Hz)		1 / 208-230 / 60
	Nominal Running Current (A)		0.15
	Minimum Circuit Ampacity (MCA)		0.19
	Maximum Overcurrent Protection (MOP)		15A
Fan	Type		Crossflow
	Motor	Type	BLDC
		Output (W)	27
Airflow	CFM (UL)	H/M/L	180 / 162 / 152
Refrigerant	Type		R410A
	Control Method		Electronic Expansion Valve
Piping Connections	Liquid (flare)	Inches	1/4
	Suction (flare)	Inches	1/2
	Drain	Inches	VP20(OD 1", ID 3/4")
Unit Dimensions	W X H X D	Inches	29 1/8 X 5 5/16 X 14 3/16
	Weight	lbs.	18.08
Fascia Panel (required) ²	WindFree™	Model	PC1MWFMUN
		Dimensions (L X W X H)	37 13/16" X 16 1/2" X 1 3/8"
		Weight (lbs.)	5.73
Sound Level	H / M / L	dB	29 / 26 / 24
Accessories	Fascia Panel	Wind-Free™	PC1MWFMUN
	External Contact Control		MIM-B14
	External Temperature Sensor		MRW-TA
	Wireless Remote Controller		AR-EH03U
	CN83 Pigtail (for 12VDC VENT output)		DB39-01263A
Safety Certifications		ETL (UL 1995)	

¹ Nominal cooling capacities are based on: Indoor temperature: 80 °F DB, 67°F WB. Outdoor temperature: 95°F DB, 75°F WB. Nominal heating capacities are based on: Indoor temperature: 70 °F DB, 60°F WB. Outdoor temperature: 47°F DB, 43°F WB.

² A fascia panel is required for unit operation and is sold separately.

*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).

Samsung HVAC maintains a policy of ongoing development, specifications are subject to change without notice.



- Compatible with Samsung DVM S, DVM S Water, and DVM Eco systems (AM*****AA).
- Electro-static, washable, pleated filters as standard (included with fascia panel)
- Built in condensate pump with maximum 29" lift from the bottom of the unit, check valve, and float switch that disables indoor unit during overflow detection
- Fascia panel shall have LED indicator lights and a motorized louver
- High-voltage terminal block temperature sensor to disable unit in the event of power connection overheating.
- WindFree™ 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 WindFree™ feature is optional and can be enabled using central or local control options (MWR-SH11UN, MWR-WE13UN, MWR-WG00*N, and AR-EH03U only).
- The WindFree™ 1-way cassette can be configured for 2-stage operation, cooling the space with the louver open (fixed or swing) until the room temperature nears set temperature. Once room temperature is near set temperature, WindFree™ operation will start automatically, closing the louver and using the face of the fascia panel to gently cool the space with still air*.
- The WindFree™ panel (PC1MWFMUN) has an integral humidity sensor that will open the louvers for standard cool mode when space conditions could potentially cause condensation formation on the panel surface.

Construction
Insulated, HIPS chassis and fascia panel certified to UL94 V0

Heat Exchanger
The heat exchanger shall be mechanically bonded fin to copper tube

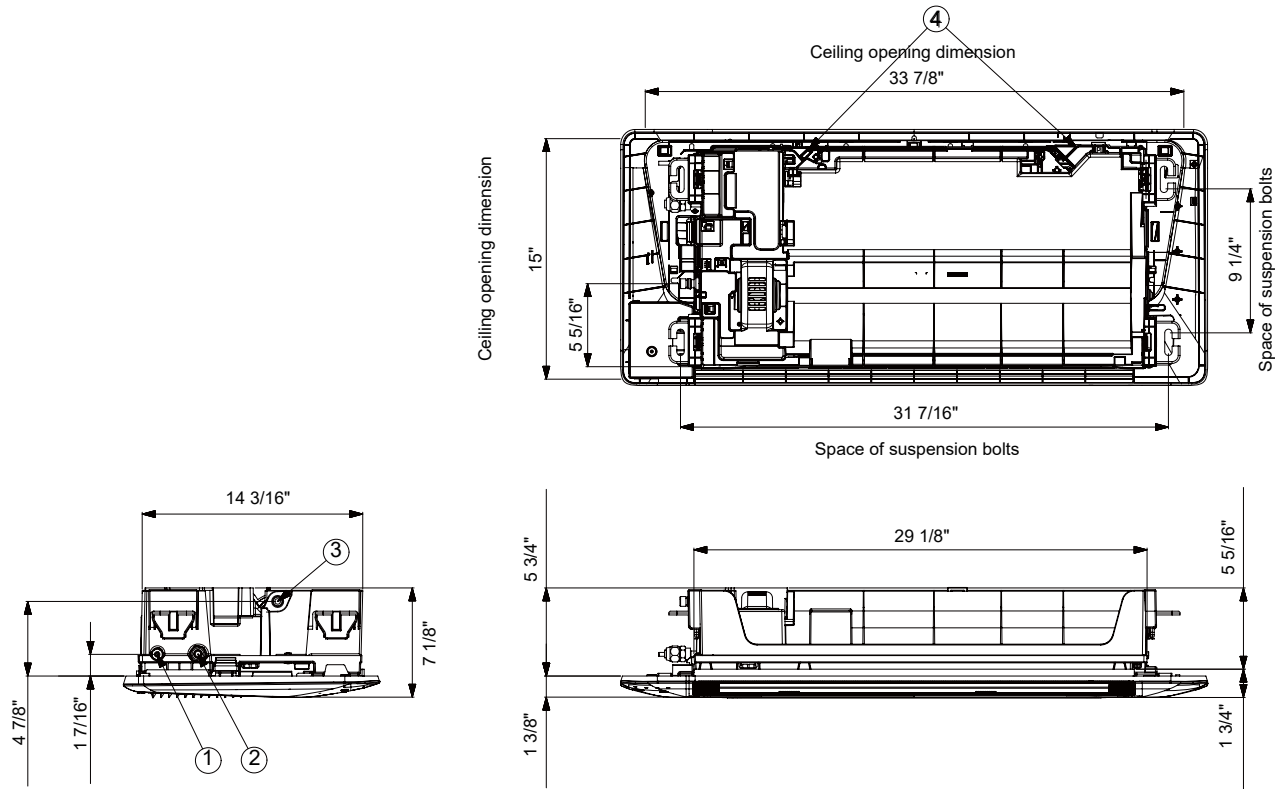
Indoor Fan
Indoor fan is a single crossflow type

Three fan speed settings and auto setting

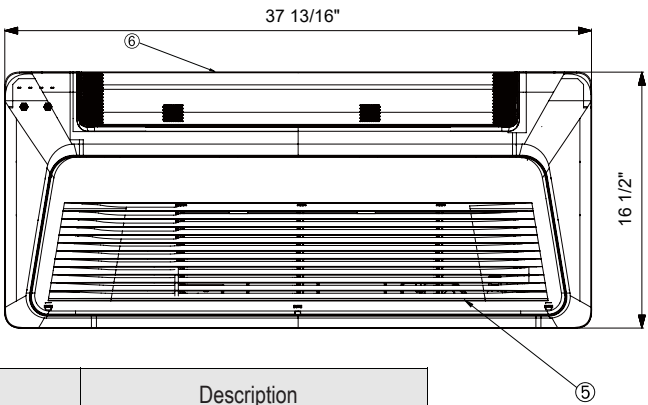
Controls
The unit shall be operated via a wireless or wired remote control with DDC type signal

Control wiring shall be 2 X 16 AWG shielded wire

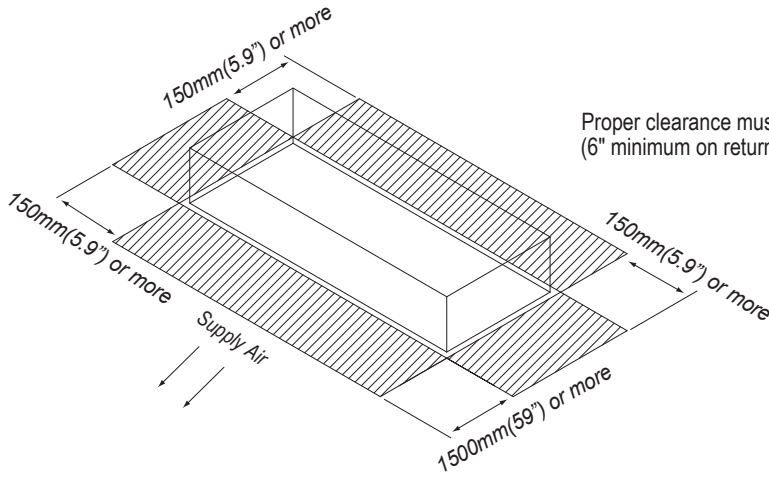
Samsung DVM S Series, WindFree™ 1-Way Cassette



PC1MWFMMUN PANEL



No.	Name	Description
①	Liquid Pipe Connection	Ø 1/4" Flare
②	Gas Pipe Connection	Ø 1/2" Flare
③	Drain Pipe Connection	Quick Lock, OD 1", ID 3/4"
④	Conduit for Power & Communication Wiring	-
⑤	Air Inlet Grille	-
⑥	Air Outlet Louver	-



Proper clearance must be maintained around unit for proper operation.
(6" minimum on return side)