

Samsung DVM S Series, Wind-Free™ Wall-Mounted Unit

Job Name _____
 Purchaser _____
 Submitted to _____
 Unit Designation _____

Location _____
 Engineer _____
 Reference ☐ Approval ☐ Construction ☐
 Schedule # _____

Specifications

Performance	Nominal Capacity¹	Cooling (Btu/h)	7,500
		Heating (Btu/h)	8,500
Power	Voltage (ø/V/Hz)		1 / 208-230 / 60
	Nominal Running Current (A)		0.16
	MCA		0.20
	MOP		15
Fan	Type		Crossflow
	Motor	Type	BLDC (1)
		Output (W)	27
Airflow	CFM (UL)	L/M/H	159 / 177 / 201
Refrigerant	Type		R410A
	Control Method		Electronic Expansion Valve
Piping Connections	Liquid (flare)	Inches	1/4
	Suction (flare)	Inches	1/2
	Drain	Inches	ID 11/16 Hose
Unit Dimensions	W X H X D	Inches	32 5/16 X 11 3/4 X 8 7/16
	Weight	lbs.	19.8
Sound Level	L / M / H	dB(A)	30 / 32 / 34
Accessories	External Contact Control		☐ MIM-B14
	Condensate Pump	Aspen Mini Orange	☐ ASP-MO-UNIV 110-250
		Blue Diamond	☐ BD-BLUE230
	External Temperature Sensor		☐ MRW-TA
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

*The Wind-Free™ unit delivers an air current that is under 0.15 m/s while in Wind-Free™ 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 S Eco systems (AM*****AA).
- Electro-static, washable, pleated filters as standard (included with unit)
- 7-segment digital display on front of unit to display temperature and unit status
- High-voltage terminal block temperature sensor to disable unit in the event overheating of power connection.
- Wind-Free™ 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 Wind-Free™ feature is optional and can be enabled using central or local control options (MWR-SH11UN, MWR-WE13UN, MWR-WG00*N, and AR-EH0*U only).

Construction

HIPS chassis certified to UL94 V0 with galvanized steel mounting bracket

Heat Exchanger

The heat exchanger shall be mechanically bonded fin to copper tube

Indoor Fan

Indoor fan is a single, antibacterial, crossflow type

Three fan speed settings and auto setting

Automatic (motorized) vertical swing (up/down) and horizontal swing (left/right) louvers

Controls

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

The unit shall integrate with the Samsung NASA Controls Network Solution

Controls shall integrate with a BMS system

Control wiring shall be 2 X 16 AWG shielded wire

Unit: inches

