SAMSUNG

SUBMITTAL AM007NN1DCH/AA

Samsung DVM S Series, WindFree™1-Way Cassette

Job Name	Location		
Purchaser	Engineer		
Submitted to	Reference	Approval	Construction
Unit Designation	Schedule #		

		Specifications			
Performance	Nominal	Cooling (Btu/h)	7,500 (5,100 SH)		
	Capacity ¹	Heating (Btu/h)	8,500		
	Voltage (ø/V/Hz)		1 / 208-230 / 60		
Power	Nominal Runnin	g Current (A)	0.23		
	Minimum Circui	t Ampacity (MCA)	0.29		
	Maximum Over	current Protection (MOP)	15A		
	Туре		Crossflow	Compatible with systems (AM****	
Fan	Matar	Туре	Feedback SSR		
	Motor	Output (W)	17	 Electro-static, w fascia panel) 	
Airflow	CFM (UL)	H/M/L	212 / 176 / 141	Built in condens	
Defrigerent	Туре		R410A	of the unit, cheo during overflow	
Refrigerant	Control Method		Electronic Expansion Valve		
	Liquid (flare)	Inches	1/4	High-voltage ter event of power of	
Piping Connections	Suction (flare)	Inches	1/2		
Connections	Drain	Inches	VP20(OD 1", ID 3/4")	• WindFree™ fun	
Unit W Dimensions W	WXHXD	Inches	38 1/4 X 5 3/8 X 16 1/8	cooling mode to blowing directly	
	Weight	lbs.	22	and can be enal SH11UN, MWR	
		Model	PC1NWFMUN	The WindFree™ operation, coolir swing) until the r	
Fascia Panel (required) ²	WindFree™	Dimen <mark>sions (L</mark> X W X H)	47 3/16" X 19 11/16" X 1 3/8"		
· · · · · /		Weight (I <mark>bs.)</mark>	7	room temperatu	
Sound Level	H/L	dB	29 / 24	the face of the f	
	Fascia Panel	Wind-Free™	PC1NWFMUN	The WindFree sensor that will	
Accessories	External Contact Control		MIM-B14	space condition on the panel sur	
	External Temperature Sensor		MRW-TA		
	Wireless Remote Controller		AR-EH03U	Construction	
	CN83 Pigtail (for 12VDC VENT output)		DB39-01263A		
Safety Certifications			ETL (UL 1995)	Heat Exchanger The heat exchange	
¹ Nominal cooling cap	acities are based on: Indo	or temperature: 80 °F DB, 67°F WB, Outd	oor 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.

²A 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.

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Ingineer	
Reference	Approva
Schedule #	

n Samsung DVM S, DVM S Water, and DVM Eco

ashable, pleated filters as standard (included with

ate pump with maximum 29" lift from the bottom k valve, and float switch that disables indoor unit detection

all have LED indicator lights and a motorized louver

- rminal block temperature sensor to disable unit in the connection overheating.
- ction will close the supply air outlet louver while in gently disperse cool air into the space without onto occupants. The WindFree™ feature is optional oled using central or local control options (MWR-WE13UN, MWR-WG00*N, and AR-EH03U only).
- [™] 1-way cassette can be configured for 2-stage ng the space with the louver open (fixed or room temperature nears set temperature. Once re is near set temperature, WindFree™ art automatically, closing the louver and using ascia panel to gently cool the space with still air*.

™ panel (PC1NWFMUN) has an integral humidity open the louvers for standard cool mode when s could potentially cause condensation formation face

chassis and fascia panel certified to UL94 V0

ger 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



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SUBMITTAL AM009NN1DCH/AA Page 1 of 2

Samsung DVM S Series, WindFree™1-Way Cassette

Job Name	Location		
Purchaser	Engineer		
Submitted to	Reference	Approval	Construction
Unit Designation	Schedule #		

		Specifications	
Performance	Nominal Capacity ¹	Cooling (Btu/h)	9,500 (6,400 SH)
		Heating (Btu/h)	10,500
	Voltage (ø/V/Hz)		1 / 208-230 / 60
	Nominal Running Current (A)		0.25
Power	Minimum Circuit	Ampacity (MCA)	0.31
	Maximum Overcurrent Protection (MOP)		15A
	Туре		Crossflow
Fan		Туре	Feedback SSR
	MOLOI	Out <mark>put (W)</mark>	17
Airflow	CFM (UL)	H/M/L	247 / 212 / 177
Defrimement	Туре		R410A
Reingerant	Control Method		Electronic Expansion Valve
	Liquid (flare)	Inches	1/4
Piping Connections	Suction (flare)	Inches	1/2
	Drain	Inches	VP20(OD 1", ID 3/4")
Unit	WXHXD	In <mark>ches</mark>	38 1/4 X 5 3/8 X 16 1/8
Dimensions	Weight	lbs.	22
		Model	PC1NWFMUN
Fascia Panel (required) ²	WindFree™	Dimen <mark>sions (L</mark> X W X H)	47 3/16" X 19 11/16" X 1 3/8"
(~)		Weight (I <mark>bs.)</mark>	7
Sound Level	H/L	dB	32 / 24
Accessories	Fascia Panel	Wind-Free™	PC1NWFMUN
	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).

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- 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 (PC1NWFMUN) 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





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Job Name	Location
Purchaser	Engineer
Submitted to	Reference
Unit Designation	Schedule #

Specifications			
Performance	Nominal	Cooling (Btu/h)	12,000 (8,700 SH)
	Capacity ¹	Heating (Btu/h)	13,500
	Voltage (ø/V/Hz)		1 / 208-230 / 60
Davian	Nominal Running	g Current (A)	0.28
Power	Minimum Circuit	Ampacity (MCA)	0.35
	Maximum Overc	current Protection (MOP)	15A
	Туре		Crossflow
Fan		Туре	Feedback SSR
	Motor	Out <mark>put (W)</mark>	17
Airflow	CFM (UL)	H/M/L	283 / 247 / 212
Defrinement	Туре		R410A
Reingerant	Control Method		Electronic Expansion Valve
	Liquid (flare)	Inches	1/4
Piping Connections	Suction (flare)	Inches	1/2
	Drain	Inches	VP20(OD 1", ID 3/4")
Unit	WXHXD	In <mark>ches</mark>	38 1/4 X 5 3/8 X 16 1/8
Dimensions	Weight	lbs.	22
		Model	PC1NWFMUN
Fascia Panel (required) ²	WindFree™	Dimens <mark>ions (L</mark> X W X H)	47 3/16" X 19 11/16" X 1 3/8"
		Weight (Ib <mark>s.)</mark>	7
Sound Level	H/L	dB	37 / 30
Accessories	Fascia Panel	Wind-Free™	PC1NWFMUN
	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)	

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