Page 1 of 2 SUBMITTAL AM009NN4DCH/AA

Samsung DVM S S	Series, Wind-Free™	4-Way Cassette
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Approval

Job Name	L
Purchaser	Ē
Submitted to	F
Unit Designation	5

		Specifications	
Dorformonoo1	Nominal Capacity	Cooling (Btu/h)	9,000
Fenomance		Heating (Btu/h)	10,000
	Voltage (ø/V/Hz)		1 / 208-230 / 60
Power	Nominal Running	Current (A)	0.25
TOWER	МСА		0.41
	MOP		15
	Туре	11 1	Turbo (1)
Fan	Motor	Туре	BLDC
	WOO	Output (W)	65
Airflow	CFM (UL)	H/M/L	547 / 494 / 424
Defrigenent	Туре		R410A
Reingerant	Control Method		Electronic Expansion Valve
	Liquid (flare)	Inches	1/4
Piping Connections	Suction (flare)	Inches	1/2
Connections	Drain	Inches	VP25 (OD 1 1/4, ID 1)
Unit	WXHXD	Inches	33 1/16 X 8 1/16 X 33 1/16
Dimensions	Weight	lbs.	33.07
	Model Number (Wi <mark>nd-Free</mark> ™)		PC4NUFMUN
	LXWXH	Inches	37 3/8 X 37 3/8 X 2 1/2
Fascia Panel	Weight	lbs.	13.89
(required) ²	Model Number (St	tandard)	PC4NUSKUN
	LXWXH	Inches	37 3/8 X 37 3/8 X 1 3/4
	Weight	lbs.	12.79
Sound Level	H / M / L	dB(A)	32 / 30 / 28
	Fascia Panel (Wind-Free™)		PC4NUFMUN
	Fascia Panel (Standard)		PC4NUSKUN
	External Contact (Control	MIM-B14
Accessories	Motion Occupance	y Sensor	MCR-SMC
	External Tempera	ture Sensor	MRW-TA
	Wireless Remote Controller		AR-EH03U
	CN83 Pigtail (for 12VDC VENT output)		DB39-01263A
	MTFC - Multi-Tena	nt Function Controller	MCM-C210N
MERV 13 Filt			MF-C6A0
Safety Certificat	ions		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.

²A fascia panel is required for unit operation and is sold separately. PC4NUFMUN is required to use Wind-Free™ functions. *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).

_ocation Engineer Reference

Construction





- Compatible with Samsung DVM S, DVM S Water, and DVM S 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
- · Knock-out for outside air capability
- Fascia panel shall have LED indicator lights and 4 motorized louvers with independent control $(32^\circ - 65^\circ \text{ louver control range})$
- 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-WE13N, MWR-WE13UN, MWR-WG00*N, and AR-EH03U only).
- The Wind-Free™ 4-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, Wind-Free™ operation will start automatically, closing the louver and using the face of the fascia panel to gently cool the space with still air*.
- The Wind-Free™ panel (PC4NUFMUN) 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 with a galvanized steel frame 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 turbo 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

The unit shall integrate with the Samsung NASA Controls Network Solution

Control wiring shall be 2 X 16 AWG shielded wire

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



SUBMITTAL AM009NN4DCH/AA Page 2 of 2 Samsung DVM S Series, Wind-Free™ 4-Way Cassette



Proper clearance must be maintained around unit for proper operation.

1500mm(59") or more

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Air Inlet Grille

Air Outlet Louver

Fresh Air Intake

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Ø4"

Page 1 of 2 SUBMITTAL AM012NN4DCH/AA

Samsung DVM S Series, Wind-Free™ 4-Way Cassette

Approval

Job Name	
Purchaser	
Submitted to	
Unit Designation	

		Specifications	
Performance ¹	Nominal Capacity	Cooling (Btu/h)	12,000
		Heating (Btu/h)	13,500
	Voltage (ø/V/Hz)		1 / 208-230 / 60
Power	Nominal Running Current (A)		0.25
	MCA		0.41
	МОР		15
	Туре	11 1	Turbo (1)
Fan	Motor	Туре	BLDC
	WIOTON	Output (W)	65
Airflow	CFM (UL)	H/M/L	547 / 494 / 424
Defrimenent	Туре		R410A
Reingerant	Control Method		Electronic Expansion Valve
	Liquid (flare)	Inches	1/4
Piping Connections	Suction (flare)	Inches	1/2
	Drain	Inches	VP25 (OD 1 1/4, ID 1)
Unit	WXHXD	Inches	33 1/16 X 8 1/16 X 33 1/16
Dimensions	Weight	lbs.	33.07
	Model Number (Wi <mark>nd-Free</mark> ™)		PC4NUFMUN
	LXWXH	Inches	37 3/8 X 37 3/8 X 2 1/2
Fascia Panel	Weight	lbs.	13.89
(required) ²	Model Number (Standard)		PC4NUSKUN
	LXWXH	Inches	37 3/8 X 37 3/8 X 1 13/4
	Weight	lbs.	12.79
Sound Level	H / M / L	dB(A)	32 / 30 / 28
	Fascia Panel (Wind-Free™)		PC4NUFMUN
	Fascia Panel (Standard)		PC4NUSKUN
Accessories	External Contact (Control	MIM-B14
	Motion Occupancy	/ Sensor	MCR-SMC
	External Tempera	ture Sensor	MRW-TA
	Wireless Remote	Controller	AR-EH03U
	CN83 Pigtail (for 12VDC VENT output)		DB39-01263A
	MTFC - Multi-Tenar	nt Function Controller	MCM-C210N
	MERV 13 Filter		MF-C6A0
Safety Certifications			

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. PC4NUFMUN is required to use Wind-Free™ functions.

*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).

Location Engineer Reference

Construction

Schedule #



- Compatible with Samsung DVM S, DVM S Water, and DVM S 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
- · Knock-out for outside air capability
- Fascia panel shall have LED indicator lights and 4 motorized louvers with independent control $(32^\circ - 65^\circ)$ louver control range)
- 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-WE13N, MWR-WE13UN, MWR-WG00*N, and AR-EH03U only).
- The Wind-Free™ 4-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, Wind-Free™ operation will start automatically, closing the louver and using the face of the fascia panel to gently cool the space with still air*.
- The Wind-Free™ panel (PC4NUFMUN) 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 with a galvanized steel frame 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 turbo 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

The unit shall integrate with the Samsung NASA Controls Network Solution

Control wiring shall be 2 X 16 AWG shielded wire

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



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1500mm(59") or more Proper clearance must be maintained around unit for proper operation. Air Inlet Grille

Air Outlet Louver

Fresh Air Intake

Conduit for Power & Communication Wiring

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Ø4"

SUBMITTAL AM018NN4DCH/AA Page 1 of 2 Samsung DV/M S Series Wind Free M 4-Way Cassette

Samsung DVM S Series, Wind-Free™ 4-Way Cassette

Approval

Job Name	
Purchaser	
Submitted to	
Unit Designation	

		Specifications	
Performance ¹	Nominal Capacity	Cooling (Btu/h)	18,000
		Heating (Btu/h)	20,000
	Voltage (ø/V/Hz)		1 / 208-230 / 60
Power	Nominal Running	Current (A)	0.25
1 OWCI	MCA		0.41
	MOP		15
	Туре	11 1	Turbo (1)
Fan	Motor	Тур <mark>е</mark>	BLDC
	MOLOI	Output (W)	65
Airflow	CFM (UL)	H/M/L	547 / 494 / 424
Definent	Туре		R410A
Retrigerant	Control Method		Electronic Expansion Valve
	Liquid (flare)	Inches	1/4
Piping Connections	Suction (flare)	Inches	1/2
	Drain	Inches	VP25 (OD 1 1/4, ID 1)
Unit	WXHXD	Inches	33 1/16 X 8 1/16 X 33 1/16
Dimensions	Weight	lbs.	33.07
	Model Number (Wi <mark>nd-Free</mark> ™)		PC4NUFMUN
	LXWXH	Inches	37 3/8 X 37 3/8 X 2 1/2
Fascia Panel	Weight	lbs.	13.89
(required) ²	Model Number (Standard)		PC4NUSKUN
	LXWXH	Inches	37 3/8 X 37 3/8 X 1 13/4
	Weight	lbs.	12.79
Sound Level	H / M / L	dB(A)	32 / 30 / 28
	Fascia Panel (Wind-Free™)		PC4NUFMUN
	Fascia Panel (Sta	ndard)	PC4NUSKUN
Accessories	External Contact (Control	MIM-B14
	Motion Occupancy	y Sensor	MCR-SMC
	External Tempera	ture Sensor	MRW-TA
	Wireless Remote Controller		AR-EH03U
	CN83 Pigtail (for 12	VDC VENT output)	DB39-01263A
	MTFC - Multi-Tena	nt Function Controller	MCM-C210N
MERV 13 Filter			MF-C6A0
Safety Certificat	tions		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.

²A fascia panel is required for unit operation and is sold separately. PC4NUFMUN is required to use Wind-Free™ functions. *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).

Location _____ Engineer _____ Reference _____

Construction



Construct



- Compatible with Samsung DVM S, DVM S Water, and DVM S 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
- Knock-out for outside air capability
- Fascia panel shall have LED indicator lights and 4 motorized louvers with independent control (32° 65° louver control range)
- 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-WE13N, MWR-WE13UN, MWR-WG00*N, and AR-EH03U only).
- The Wind-Free[™] 4-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, Wind-Free[™] operation will start automatically, closing the louver and using the face of the fascia panel to gently cool the space with still air*.
- The Wind-Free™ panel (PC4NUFMUN) 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 with a galvanized steel frame 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 turbo 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

The unit shall integrate with the Samsung NASA Controls Network Solution

Control wiring shall be 2 X 16 AWG shielded wire

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



SUBMITTAL AM018NN4DCH/AA Page 2 of 2 Samsung DVM S Series, Wind-Free™ 4-Way Cassette





No.	Name	Description
1	Liquid Pipe Connection	Ø 1/4" Flare
2	Gas Pipe Connection	Ø 1/2" Flare
3 Drain Pipe Connection		OD 1 1/4", ID 1"
(4) Conduit for Power & Communication Wiring		-
5 Air Inlet Grille		-
6 Air Outlet Louver		-
$\overline{\mathcal{O}}$	Fresh Air Intake	Ø 4 "

Proper clearance must be maintained around unit for proper operation.

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Job Name

Purchaser

Submitted to

Unit Designation

Page 1 of 2 SUBMITTAL AM024NN4DCH/AA Samsund DVM S Series, Wind-Free™ 4-Way Cassette

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Location	
Engineer	
Reference	Ар

Schedule #

Construction

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		Specifications	
Performance ¹	Nominal Canadity	Cooling (Btu/h)	24,000
	Nominal Capacity	Heating (Btu/h)	27,000
	Voltage (ø/V/Hz)		1 / 208-230 / 60
Davisa	Nominal Running	Current (A)	0.30
FOWEI	MCA		0.41
	МОР		15
	Туре		Turbo (1)
Fan	Matan	Туре	BLDC
	MOLOF	Output (W)	65
Airflow	CFM (UL)	H/M/L	618 / 565 / 494
Defrinenset	Туре		R410A
Refrigerant	Control Method		Electronic Expansion Valve
	Liquid (flare)	Inches	3/8
Piping Connections	Suction (flare)	Inches	5/8
	Drain	Inches	VP25 (OD 1 1/4, ID 1)
Unit	WXHXD	Inches	33 1/16 X 8 1/16 X 33 1/16
Dimensions	Weight	lbs.	33.07
	Model Number (Wi <mark>nd-Free</mark> ™)		PC4NUFMUN
	LXWXH	Inc <mark>hes</mark>	37 3/8 X 37 3/8 X 2 1/2
Fascia Panel	Weight	lbs.	13.89
(required) ²	Model Number (Standard)		PC4NUSKUN
	LXWXH	Inches	37 3/8 X 37 3/8 X 1 3/4
	Weight	lbs.	12.79
Sound Level	H/M/L	dB(A)	35 / 32 / 28
	Fascia Panel (Wind-Free™)		PC4NUFMUN
	Fascia Panel (Sta	ndard)	PC4NUSKUN
Accessories	External Contact	Control	MIM-B14
	Motion Occupanc	y Sensor	MCR-SMC
	External Tempera	ture Sensor	MRW-TA
	Wireless Remote Controller		AR-EH03U
	CN83 Pigtail (for 12	2VDC VENT output)	DB39-01263A
	MTFC - Multi-Tena	nt Function Controller	MCM-C210N
	MERV 13 Filter		MF-C6A0
Safety Certifications			ETL (UL 1995)
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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.

²A fascia panel is required for unit operation and is sold separately. PC4NUFMUN is required to use Wind-Free™ functions. *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).



Approval

- Compatible with Samsung DVM S, DVM S Water, and DVM S 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
- · Knock-out for outside air capability
- Fascia panel shall have LED indicator lights and 4 motorized louvers with independent control $(32^\circ - 65^\circ \text{ louver control range})$
- 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-WE13N, MWR-WE13UN, MWR-WG00*N, and AR-EH03U only).
- The Wind-Free™ 4-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, Wind-Free™ operation will start automatically, closing the louver and using the face of the fascia panel to gently cool the space with still air*.
- The Wind-Free™ panel (PC4NUFMUN) 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 with a galvanized steel frame 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 turbo 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

The unit shall integrate with the Samsung NASA Controls Network Solution

Control wiring shall be 2 X 16 AWG shielded wire

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





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1500mm(59") or more Proper clearance must be maintained around unit for proper operation. Air Inlet Grille

Air Outlet Louver

Fresh Air Intake

Conduit for Power & Communication Wiring

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Ø4"

Page 1 of 2 SUBMITTAL AM030NN4DCH/AA

Samsung DVM S Series, Wind-Free™ 4-Way Cassette

Approval

Job Name
Purchaser
Submitted to
Jnit Designation

Specifications				
Performance ¹	Nominal Capacity	Cooling (Btu/h)	30,000	
		Heating (Btu/h)	34,000	
	Voltage (ø/V/Hz)	/	1 / 208-230 / 60	
Power	Nominal Running	Current (A)	0.50	
1 OWCI	MCA		0.49	
	MOP		15	
	Туре	1 1	Turbo (1)	
Fan	Motor	Туре	BLDC	
	MOLOI	Output (W)	97	
Airflow	CFM (UL)	H/M/L	777 / 687 / 600	
D. filment	Туре		R410A	
Refrigerant	Control Method		Electronic Expansion Valve	
	Liquid (flare)	Inches	3/8	
Piping Connections	Suction (flare)	Inches	5/8	
	Drain	Inches	VP25 (OD 1 1/4, ID 1)	
Unit	WXHXD	Inches	33 1/16 X 11 3/8 X 33 1/16	
Dimensions	Weight	lbs.	36.38	
	Model Number (Wind-Free™)		PC4NUFMUN	
	LXWXH	Inches	37 3/8 X 37 3/8 X 2 1/2	
Fascia Panel	Weight	lbs.	13.89	
(required) ²	Model Number (Standard)		PC4NUSKUN	
	LXWXH	Inches	37 3/8 X 37 3/8 X 1 13/4	
	Weight	lbs.	12.79	
Sound Level	H/M/L	dB(A)	41 / 37 / 31	
	Fascia Panel (Wind-Free™)		PC4NUFMUN	
	Fascia Panel (Sta	ndard)	PC4NUSKUN	
Accessories	External Contact (Control	MIM-B14	
	Motion Occupancy	y Sensor	MCR-SMC	
	External Tempera	ture Sensor	MRW-TA	
	Wireless Remote Controller		AR-EH03U	
	CN83 Pigtail (for 12VDC VENT output)		DB39-01263A	
	MTFC - Multi-Tenar	nt Function Controller	MCM-C210N	
MERV 13 Filter		MF-C6A0		
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.

²A fascia panel is required for unit operation and is sold separately. PC4NUFMUN is required to use Wind-Free™ functions. *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).

Location Engineer Reference

Construction

Schedule #



- Compatible with Samsung DVM S, DVM S Water, and DVM S 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
- · Knock-out for outside air capability
- Fascia panel shall have LED indicator lights and 4 motorized louvers with independent control $(32^\circ - 65^\circ \text{ louver control range})$
- 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-WE13N, MWR-WE13UN, MWR-WG00*N, and AR-EH03U only).
- The Wind-Free™ 4-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, Wind-Free™ operation will start automatically, closing the louver and using the face of the fascia panel to gently cool the space with still air*.
- The Wind-Free™ panel (PC4NUFMUN) 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 with a galvanized steel frame 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 turbo 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

The unit shall integrate with the Samsung NASA Controls Network Solution

Control wiring shall be 2 X 16 AWG shielded wire

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





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Proper clearance must be maintained around unit for proper operation.

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Air Inlet Grille

Air Outlet Louver

Fresh Air Intake

-Ø4"

SUBMITTAL AM036NN4DCH/AA Page 1 of 2 Samsung DV/M S Series Wind-Free M 4-Way Cassette

Samsung DVM	S Series,	Wind-Free™	4-Way	Cassette
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Approval

Job Name	
Purchaser	
Submitted to	
Unit Designation	

Specifications					
Performance ¹	Nominal Capacity	Cooling (Btu/h)	36,000		
		Heating (Btu/h)	40,000		
	Voltage (ø/V/Hz)		1 / 208-230 / 60		
Power	Nominal Running Current (A)		0.56		
	MCA		0.49		
	MOP		15		
	Туре		Turbo (1)		
Fan		Туре	BLDC		
	MOLOI	Output (W)	97		
Airflow	CFM (UL)	H/M/L	845 / 777 / 706		
	Туре		R410A		
Refrigerant	Control Method		Electronic Expansion Valve		
	Liquid (flare)	Inches	3/8		
Piping Connections	Suction (flare)	Inches	5/8		
Connections	Drain	Inches	VP25 (OD 1 1/4, ID 1)		
Unit	WXHXD	Inches	33 1/16 X 11 3/8 X 33 1/16		
Dimensions	Weight	lbs.	40.79		
	Model Number (Wi <mark>nd-Free</mark> ™)		PC4NUFMUN		
	LXWXH	Inches	37 3/8 X 37 3/8 X 2 1/2		
Fascia Panel	Weight	lbs.	13.89		
(required) ²	Model Number (St	tandard)	PC4NUSKUN		
	LXWXH	Inches	37 3/8 X 37 3/8 X 1 13/4		
	Weight	lbs.	12.79		
Sound Level	H/M/L	dB(A)	42 / 39 / 36		
Accessories	Fascia Panel (Wind-Free™)		PC4NUFMUN		
	Fascia Panel (Standard)		PC4NUSKUN		
	External Contact Control		MIM-B14		
	Motion Occupancy Sensor		MCR-SMC		
	External Temperature Sensor		MRW-TA		
	Wireless Remote Controller		AR-EH03U		
	CN83 Pigtail (for 12VDC VENT output)		DB39-01263A		
	MTFC - Multi-Tenant Function Controller		MCM-C210N		
	MERV 13 Filter		MF-C6A0		
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.

²A fascia panel is required for unit operation and is sold separately. PC4NUFMUN is required to use Wind-Free™ functions. *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).

Location Engineer Reference Schedule #

Construction



- Compatible with Samsung DVM S, DVM S Water, and DVM S 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
- Knock-out for outside air capability
- Fascia panel shall have LED indicator lights and 4 motorized louvers with independent control (32° 65° louver control range)
- 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-WE13N, MWR-WE13UN, MWR-WG00*N, and AR-EH03U only).
- The Wind-Free[™] 4-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, Wind-Free[™] operation will start automatically, closing the louver and using the face of the fascia panel to gently cool the space with still air*.
- The Wind-Free™ panel (PC4NUFMUN) 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 with a galvanized steel frame 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 turbo 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

The unit shall integrate with the Samsung NASA Controls Network Solution

Control wiring shall be 2 X 16 AWG shielded wire

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





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Proper clearance must be maintained around unit for proper operation.

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(7)

Air Inlet Grille

Air Outlet Louver

Fresh Air Intake

-Ø4"

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Samsung DVM S Series, Wind-Free™ 4-Way Cassette

Approval

Job Name	
Purchaser	
Submitted to	
Unit Designation	

	_	Specifications	
Performance ¹	Nominal Capacity	Cooling (Btu/h)	48,000
		Heating (Btu/h)	54,000
	Voltage (ø/V/Hz)		1 / 208-230 / 60
Power	Nominal Running Current (A)		0.75
	MCA		0.49
	МОР		15
	Туре		Turbo (1)
Fan	Madan	Туре	BLDC
	MOLOI	Output (W)	97
Airflow	CFM (UL)	H/M/L	1024 / 953 / 845
	Туре		R410A
Refrigerant	Control Method		Electronic Expansion Valve
	Liquid (flare)	Inches	3/8
Piping Connections	Suction (flare)	Inches	5/8
Connoclone	Drain	Inches	VP25 (OD 1 1/4, ID 1)
Unit	WXHXD	Inches	33 1/16 X 11 3/8 X 33 1/16
Dimensions	Weight	lbs.	40.79
	Model Number (Wi <mark>nd-Free</mark> ™)		PC4NUFMUN
	LXWXH	Inches	37 3/8 X 37 3/8 X 2 1/2
Fascia Panel	Weight	lbs.	13.89
(required) ²	Model Number (Si	tandard)	PC4NUSKUN
	LXWXH	Inches	37 3/8 X 37 3/8 X 1 13/4
	Weight	lbs.	12.79
Sound Level	H / M / L	dB(A)	45 / 42 / 39
Accessories	Fascia Panel (Wind-Free™)		PC4NUFMUN
	Fascia Panel (Standard)		PC4NUSKUN
	External Contact Control		MIM-B14
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(7)

Air Outlet Louver

Fresh Air Intake

-Ø4"