

Job Name _____
 Purchaser _____
 Submitted to _____
 Unit Designation _____

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

Specifications

Performance	Nominal Capacity ¹	Cooling (Btu/h)	76,800 (59,200 SH)
		Heating (Btu/h)	85,200
	Condensate	Pints/Hour	29.08 (on high fan)
Power	Voltage	ø / V / Hz	1 / 208-230 / 60
	Nominal Running Current (A)		3.8
Fan	Type		Sirocco (2)
	Motor	Type	BLDC (1)
		Output (W)	400
Airflow	CFM (UL)	H/M/L	2,048 / 1,836 / 1,660
	Total CFM Range ²		1,588 - 2,100
External Static Pressure	Standard	"WC	0.59
	Min. / Max.	"WC	0.20 - 0.98
Refrigerant	Type		R410A
	Control Method		Electronic Expansion Valve
Piping Connections	Liquid (flare)	Inches	3/8
	Suction (flare)	Inches	3/4
	Drain	Inches	OD 1 1/4, ID 1
Unit Dimensions	W X H X D	Inches	48 13/16 X 18 1/2 X 40 15/16
	Weight	lbs.	196
	Duct Connections (inches)	Supply	46 3/4 X 15 5/32
		Return	46 3/4 X 15 1/16
Sound Level	H / M / L	dB	45 / 43 / 41
Accessories	Filter Box	FB-H7696	
	Condensate Pump	MDP-N047SNC1D	
	External Contact Control	MIM-B14	
	Wireless Receiver Kit	MRK-A10N	
	External Temperature Sensor	MRW-TA	
	CN83 Pigtail (for 12VDC VENT output)	DB39-01263A	
Safety Certifications		ETL & ETLc	



- Compatible with Samsung DVM S, DVM S Water, and DVM Eco systems (AM*****/AA).
- High-voltage terminal block temperature sensor to disable unit in the event overheating of power connection.
- Discharge air temperature sensor with target discharge temperature control capability

Construction

The unit shall be constructed of insulated, galvanized steel

Heat Exchanger

The heat exchanger shall be mechanically bonded fin to copper tube

Indoor Fan

Indoor fan is a centrifugal type with a single fan motor

Three fan speed settings and auto setting

Fan output can be configured during commissioning for various external static pressure ranges

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

Air Filtration

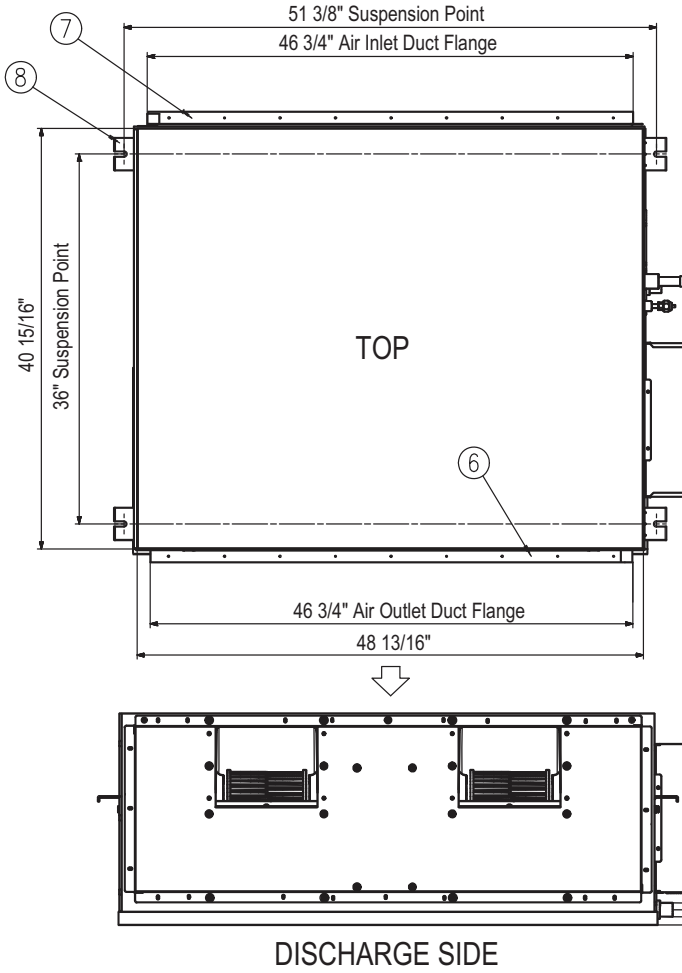
Pressure drop across the filter must be factored into the total ESP.

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

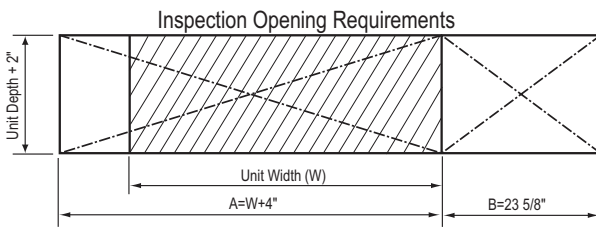
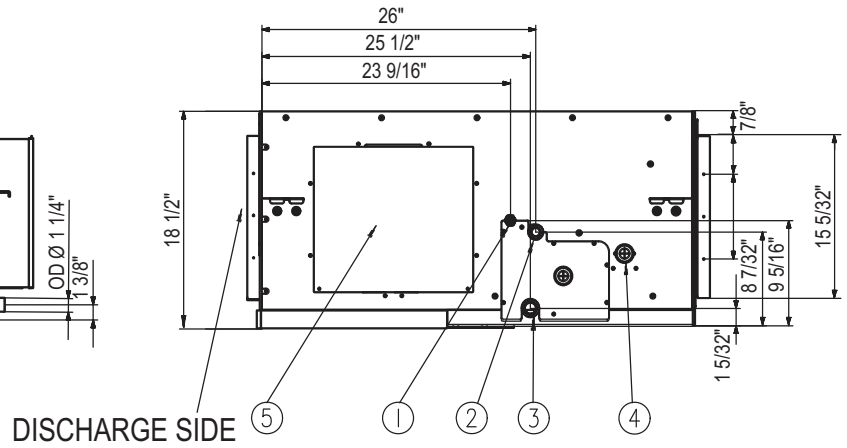
Nominal heating capacities are based on: Indoor temperature: 70 °F DB, 60°F WB. Outdoor temperature: 47°F DB, 43°F WB.

² Refer to technical data book for fan performance details and settings

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



No.	Name	Description
①	Liquid pipe connection	Ø3/8" flare
②	Gas pipe connection	Ø3/4" braze
③	Drain pipe connection	OD Ø1 1/4", ID 1"
④	Drain connection for optional drain pump	OD Ø1 1/4", ID 1"
⑤	Control box, power/com. connection	-
⑥	Supply air flange	-
⑦	Return air flange	-
⑧	Support hook	3/8"



In applications where there is not a tile ceiling, an inspection hole is required.
 If height between ceiling and structure is 3.25' or more, inspection opening "B" is recommended.
 If height between ceiling and structure is less than 3.25', inspection opening "A" and "B" is recommended.
 (verify state and local codes).

