SAMSUNG

SUBMITTAL AM048TNZDCH/AA

Samsung DVM S Series Multiposition Air Handler Unit

Job Name _____ Location _____

Purchaser _____ Engineer _____

Submitted to _____ Reference ☐ Approval ☐ Construction ☐

Unit Designation _____ Schedule # _____



Specifications

Performance	Nominal Capacity (Btu/h)	Cooling	48,000
		Heating	54,000
Power	Voltage	ø / V / Hz	1 / 208-230 / 60
	Nominal Input Current*	Cooling (A)	2.07
	MCA*	Amps	2.6
	MOCP*	Amps	15
Fan	Type		Double-inlet, forward curve, centrifugal
	Motor	Type	Constant-torque (ECM)
		HP	3/4
		Output (W)	590
Airflow	CFM @ 0.4" ESP (UL)	L / M / H	931 / 1,130 / 1,410
External Static Pressure	Standard	"WC	0.4
	Min. / Max.	"WC	0.1 / 1.0
Refrigerant	Type		R410A
	Control Method		Electronic Expansion Valve
Piping Connections	Liquid	Inches	3/8
	Suction	Inches	5/8
	Drain	Inches	3/4" FNPT
Unit Dimensions	W X H X D	Inches	24 1/2 X 58 3/4 X 21 3/4
	Weight	lbs.	214
Sound Level	Low / Mid / High	dB(A)	39 / 41 / 43
Accessories	Filter Base W/1" Filter		☐ VFB-3
	External Temperature Sensor		☐ MRW-TA
	Supplemental Electric Heater Kit	5Kw	☐ VHK-305A
		10Kw	☐ VHK-310A
	Downflow Converstion Kit		☐ VDK-3
	External Contact Control		☐ MIM-B14
	CN83 Pigtail (for external contact input)		☐ DB39-01263A
Safety Certifications			ETL (UL 1995)

*Power data is without optional electric heat kits installed.

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

- 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 controls power connection.
- Multiposition - vertical, horizontal left, and horizontal right.
- Capable of being field convertible to downflow configuration with optional downflow conversion kit.
- Air handler has an air leakage of no more than 2 percent of the design air flow rate when tested in accordance with ASHRAE 193.

Construction
The unit shall be constructed of insulated, powder coated, galvanized steel

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

Indoor Fan
Indoor fan is a double-inlet, forward curve, centrifugal type with a single constant-torque (ECM) fan motor

The indoor unit shall have low, medium, high, and auto fan speed setting options.

Five fan speed taps for optional air flow setting during installation

The indoor unit shall have the capability to turn the fan off in heating or cooling modes while in thermal-OFF status (external sensor required).

Controls
0 volt ON/OFF control (ex: auxiliary drain switch) when using the optional CN83 pigtail (part number DB39-01263A, sold separately).

The indoor 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
Air filtration must be field provided

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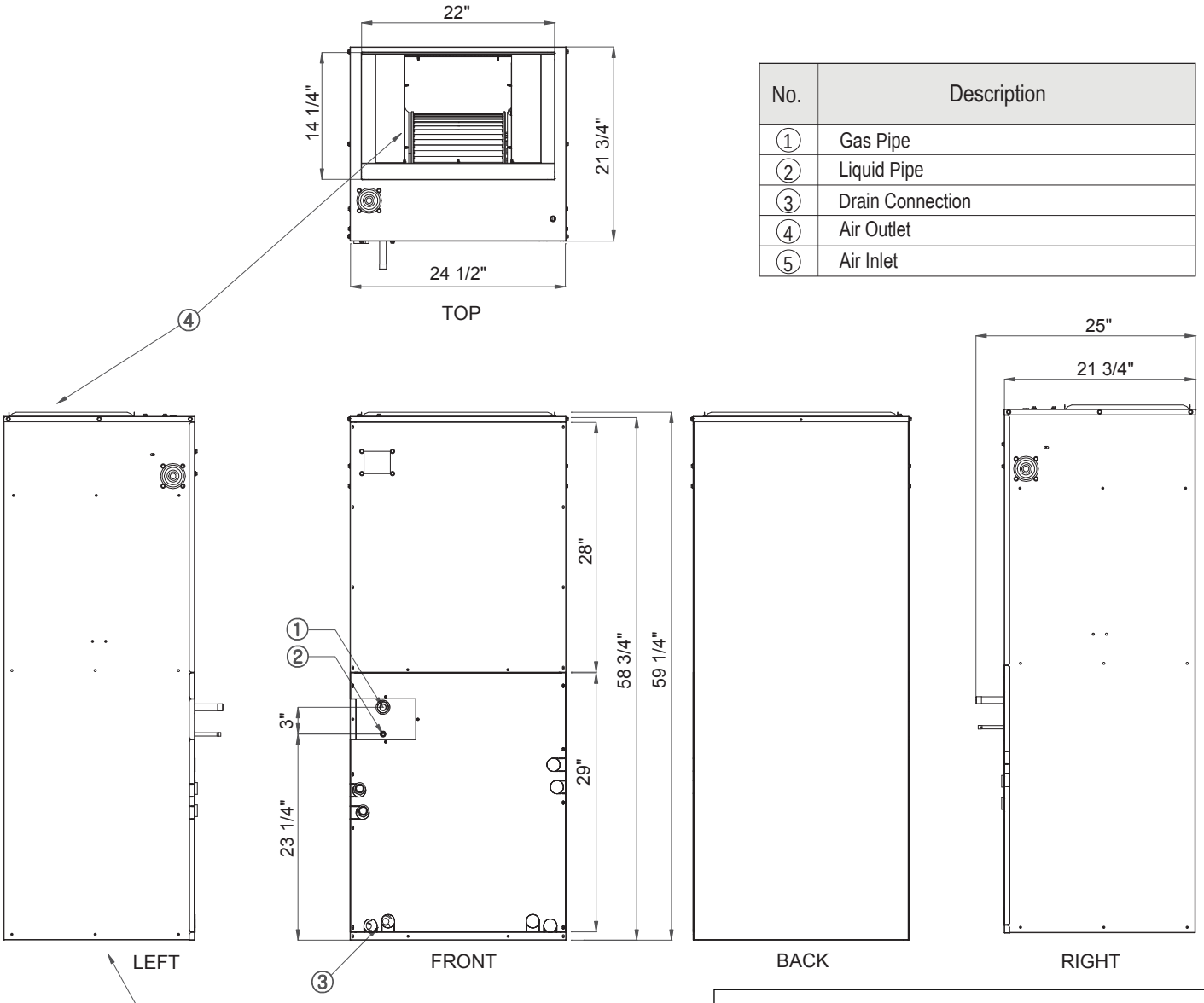
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Dimensional Data



No.	Description
①	Gas Pipe
②	Liquid Pipe
③	Drain Connection
④	Air Outlet
⑤	Air Inlet

