SAMSUNG

SUBMITTAL AM018JNZDCH/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	18,000
		Heating	22,000
Power	Voltage	ø / V / Hz	1 / 208-230 / 60
	Nominal Input Current*	Cooling (A)	0.74
	MCA*	Amps	0.90
	MOCP*	Amps	10
Fan	Type		Double-inlet, forward curve, centrifugal
	Motor	Type	Constant-torque (ECM)
		HP	1/3
		Output (W)	290
Airflow	CFM @ 0.4" ESP (UL)	Standard (high)	531
		Thermal-OFF	467
External Static Pressure	Standard	"WC	0.4
	Min. / Max.	"WC	0.1 / 0.7
Refrigerant	Type		R410A
	Control Method		Electronic Expansion Valve
Piping Connections	Liquid	Inches	1/4
	Suction	Inches	1/2
	Drain	Inches	3/4" FNPT
Unit Dimensions	W X H X D	Inches	17 1/2 X 43 X 21
	Weight	lbs.	101
Sound Level	High	dB	39
Accessories	Filter Base W/1" Filter		☐ VFB-1
	External Temperature Sensor		☐ MRW-TA
	Supplemental Electric Heater Kit	3Kw	☐ VHK-103A
		5Kw	☐ VHK-105A
	Downflow Converstion Kit		☐ VDK-1
	EEV Extension Wire Harness**		☐ DB39-00988A
Safety Certifications			ETL (UL 1995)

*Power data is without optional electric heat kits installed.

**Required for applicable models when using Downflow Conversion Kit

[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

Two operating fan speeds (standard/reduced)

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
Simple external contact control contacts included as standard for 0 volt ON/OFF control (ex: auxiliary drain switch).

The indoor unit shall integrate with the Samsung NASA Controls Network Solution

The indoor unit PCB shall have an integral infrared receiver to allow simple programming with a wireless controller.

The indoor unit shall have an error output signal relay (ERROR = open, NO ERROR = closed).

Controls shall integrate with a BMS system

Control wiring shall be 2 X 16 AWG shielded wire

Air Filtration
The unit does not include an air filter as standard

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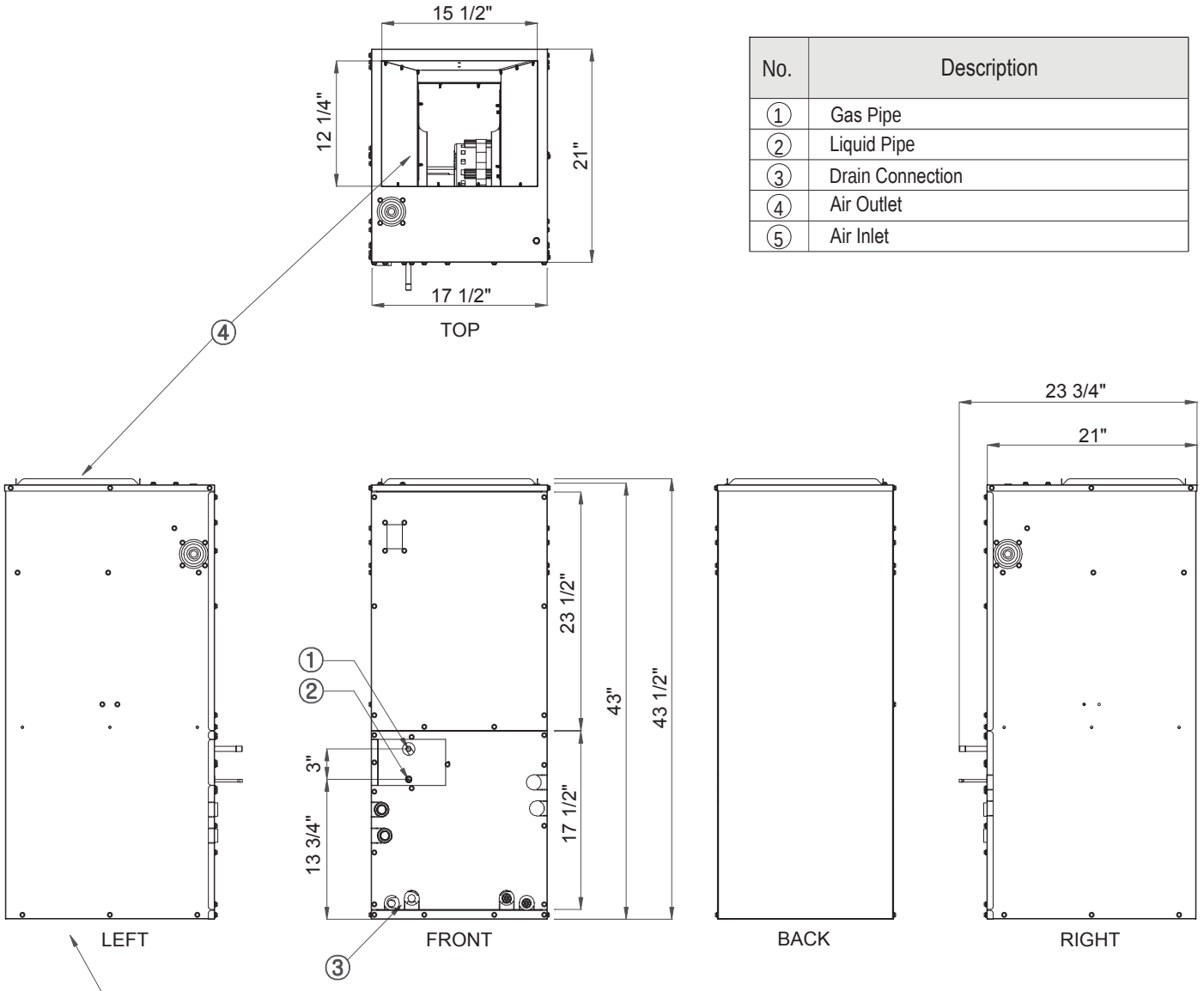
Dimensional Data



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