

SAMSUNG

Submittal Data

AJ018DNZDCG/AA (JNG18ZDD)

Multi-Position Air Handler, For Multi-Zone Systems

Job Name: _____

Purchaser: _____

Submitted to: _____

Unit designation: _____

Location: _____

Engineer: _____

Reference ☐ Approval ☐ Construction ☐

Schedule #: _____

General Information

- The system shall have a built-in Wi-Fi adapter as standard to allow control and monitoring using the Samsung SmartThings app.
- The outdoor unit shall supply power to indoor unit via 14 AWG X 3 power wire (when accessory electric heat kits are not installed).

Construction

- Insulated, galvanized steel.

Refrigerant System

- The heat exchanger shall be mechanically bonded aluminum fin to copper tube.
- Refrigerant flow shall be controlled by electronic an expansion valve at the outdoor unit
- The system shall include an R32 alarm output plug on the indoor unit and outdoor unit for notification of R32 leak detection (MIM-B14U accessory is required).

Indoor Fan

- Three fan speeds and auto setting

Controls

- Control wiring shall be 2 X 16 AWG wire.
- The unit shall be operated via a wireless or wired remote control with DDC type signal.
- Dual set temperature support when connected to supported controllers.
- Wired or wireless controllers must be purchased separately.

External Heat Control

- External heat control functionality allows for configuration of fan operation during auxiliary heat operation, defrost, and emergency heat (MIM-B14U accessory required when controlling heating devices other than VHK-***C electric heat kits).
- External heat control configuration settings include outside ambient external heat lockout, outside ambient compressor lockout, and time delay options (MIM-B14U accessory required when controlling heating devices other than VHK-***C electric heat kits).



Note: Unit appearance may vary slightly

- Emergency heat functionality allows the system to continue controlling the external heat source even when system errors prevent the heat pump from operating (MIM-B14U accessory required when controlling heating devices other than VHK-***C electric heat kits).
- External heat control functionality allows for configuration of fan operation during auxiliary heat operation, defrost, and emergency heat
- Emergency heat functionality allows the system to continue controlling the external heat source even when system errors prevent the heat pump from operating

Convenience

- Emergency Temperature Output (ETO) function: when indoor unit is in error status or when room temperature exceeds configurable temperature level, the system outputs a signal to an external source, e.g., backup system, building management system, alert device (ex: status light, warning lamp, buzzer).



Intertek

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

Specifications

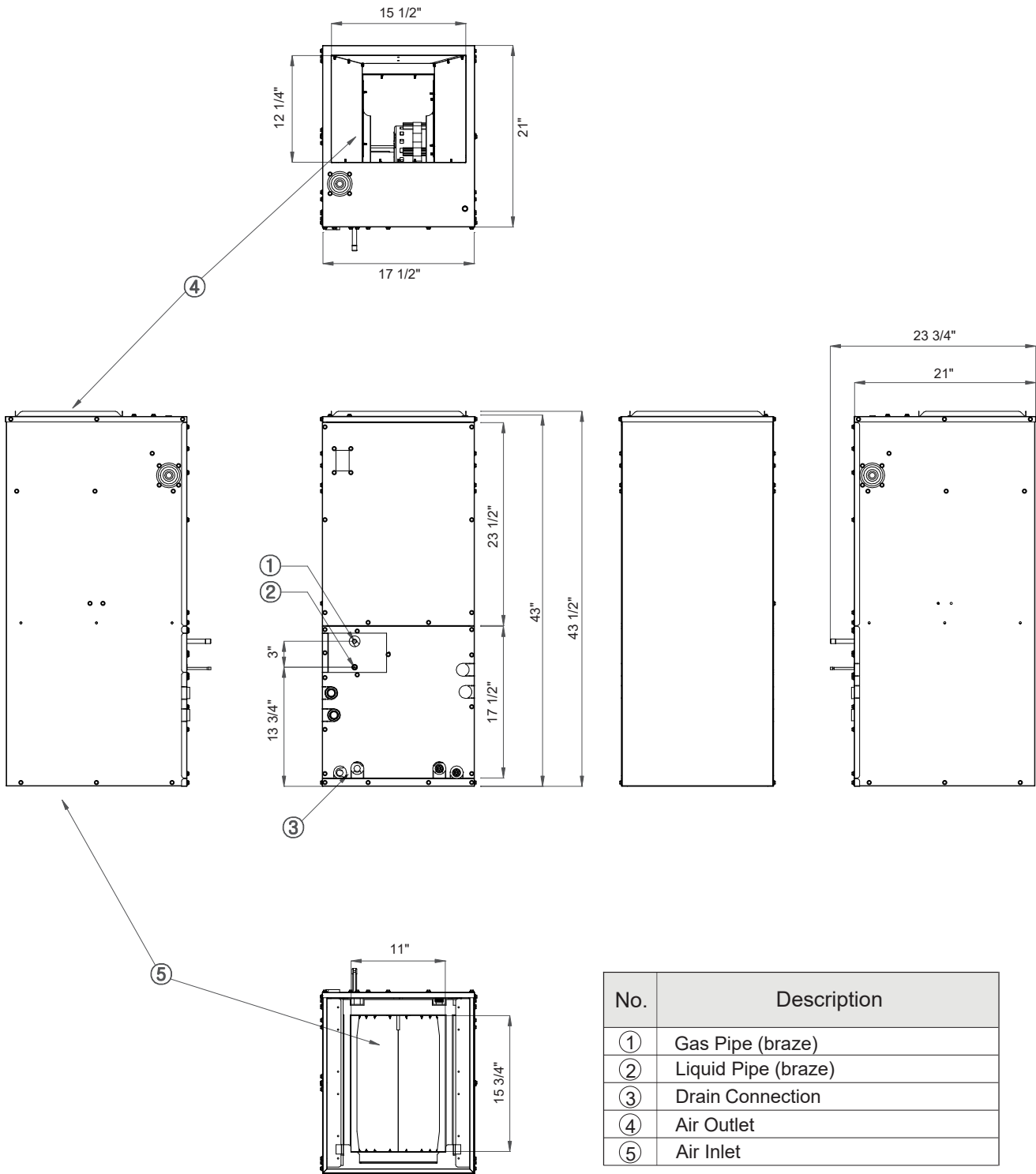
Model	US Code		JNG18ZDD
	Model Number		AJ018DNZDCG/AA
Performance	Nominal Capacity	Cooling (Btu/h)	18,000
		Heating (Btu/h)	20,000
Power	Voltage	ø / V / Hz	1 / 208-230 / 60
	Operating Current (max.)	Cooling (A)	1.5
		Heating (A)	1.5
Evaporator Fan	Type		Constant Torque With Double-inlet, Forward Curve, Centrifugal Fan
	Output	Watts	153
	External Static Pressure	Standard ("WC)	0.58
		Min. / Max. ("WC)	0 / 0.8
Airflow	Air Volume (L/M/H)	Cooling (CFM)	495 / 530 / 600
		Heating (CFM)	495 / 530 / 600
Refrigerant	Type		R-32
	A2L Leak Detection		Integral
Pipe Connections	Indoor & Outdoor	High side	1/4
		Low side	1/2
	Condensate Connection		3/4" FNPT
Dimensions	W X H X D	In.	17 1/2 X 43 X 21
	Weight	lbs.	98.10
	Duct Connections (W X H)	Supply (in.)	12 1/2 X 15 1/2
		Return (ID, in.)	17 1/2 X 21
Operating Temperatures	Indoor	Cooling	64 ~ 90°F (16 ~ 32°C)
		Heating	T ≤ 86°F (30°C)
Sound Pressure Level	Low / Med. / High	dB(A)	34 / 37 / 40
Safety	Certifications		UL 60335-2-40

Accessories

Wired controller	Advanced	☐	MWR-WG01UN
	Touchscreen	☐	MWR-SH12UN
Thermostat adapter (for connection to standard 24VAC thermostats)		☐	MIM-A60UN
Wireless signal control	Wireless signal receiver	☐	MRK-A10UN
	Wireless controller	☐	AR-CH01U
External temperature sensor		☐	MRW-TAU
External contact control interface module		☐	MIM-B14U
Downflow kit		☐	VDK-1W
Filter base		☐	VFB-1
Supplemental electric heat kit	3kW	☐	VHK-103C
	5kW	☐	VHK-105C
Line set - insulated and flared, interconnect cables included	25'	☐	ILS2507

Dimensional Drawing
AJ018DNZDCG/AA (JNG18ZDD)

Unit: Inches



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