

Job Name

Purchaser

Submitted to

Unit Designation

Location

Engineer

Reference

Schedule #

Approval

Construction

Specifications

Model	US Code		JNH12HDB
	Model Number		AJ012BNHDC/AA
Performance	Nominal Capacity	Cooling (Btu/h)	12,000
		Heating (Btu/h)	14,000
Power	Voltage (øV/Hz)		1 / 208-230 / 60
	Nominal Running Current (A)		2.10
Fan	Type		Centrifugal (2)
	Motor	Type	BLDC (1)
		FLA / Output	2.10A / 153 W
Airflow	CFM	L/M/H	258 / 314 / 399
External Static Pressure	Standard	"WC	0.18
	Min / Max.	"WC	0.10 / 0.59
Refrigerant	Type		R410A
	Control Method		Electronic Expansion Valve (at outdoor unit)
Piping Connections	Liquid (flare)	Inches	1/4
	Suction (flare)	Inches	3/8
	Drain	Inches	OD 1 1/4, ID 1
Unit Dimensions	W X H X D	Inches	35 7/16 x 9 13/16 x 27 9/16
	Weight	lbs.	58.9
	Duct Connections W X H (refer to drawing)	Supply (inches)	32 3/16 X 8 11/16
		Return (inches)	32 3/16 X 8 11/16
Sound Level	L / M / H	dB(A)	25 / 28 / 31
Accessories	Wired Controllers	Advanced	☐ MWR-WG00UN
		Simple Touch	☐ MWR-SH11UN
	Wireless Signal Receiver		☐ MRK-A10N
	Wireless Remote Controller ¹		☐ AR-EH04U
	24VAC Thermostat Adapter		☐ MIM-A60UN
	Filter Box		☐ FB-DS1
	Wi-Fi Adapter For Remote Control ²		☐ MIM-H04UN
	External Temperature Sensor		☐ MRW-TA
	External Contact Control Interface Module		☐ MIM-B14
	CN83 Pigtail		☐ DB39-01263A
	Line sets - insulated and flared, interconnect cables included		☐ 25' - ILS2506
☐ 50' - ILS5006			
Safety Certifications			ETL (UL 1995)



- High-voltage terminal block temperature sensor to disable unit in the event overheating of power connection.
- 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.
- System energy consumption can be viewed using the Samsung SmartThings mobile app (not revenue grade, for reference only)
- The indoor unit shall be powered by the outdoor unit

- 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 twin, backward curved centrifugal type with a single fan motor
 - Three fan speed settings and auto setting

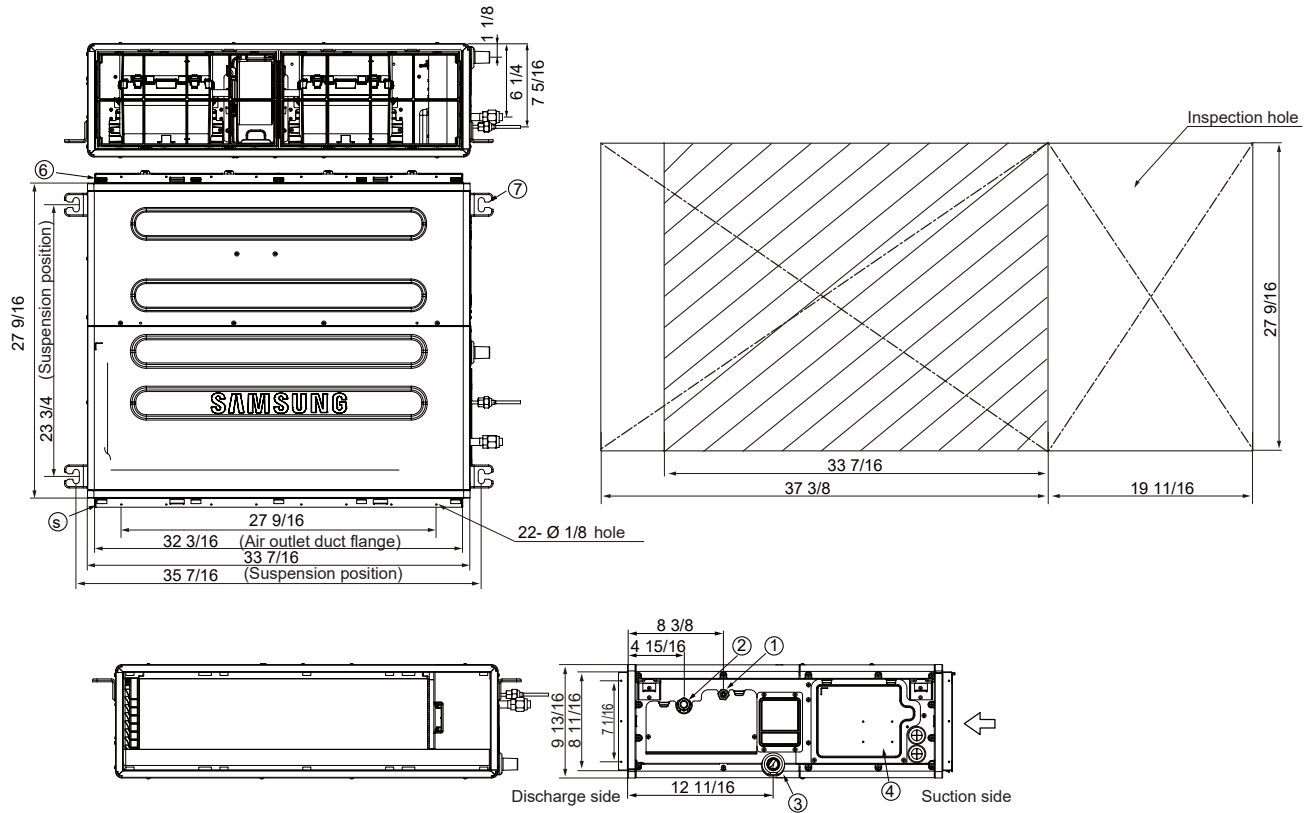
- Controls**
- Control signal shall be a DDC type signal
 - Interconnect control wire between outdoor and indoor shall be 16 AWG X 2
 - Dual set temperature support when connected to MWR-WG00UN Advanced Wired Controller.
 - The system shall integrate with the Samsung Controls Solution.

- Air Filtration**
- Field provided filtration is recommended.
 - Pressure drop across the filter must be factored into the total ESP.

Compatibility
Will only operate with Samsung outdoor unit model numbers: AJ024BXJ3CH/AA (JXH24J3B), AJ036BXJ4CH/AA (JXH36J4B), AJ048BXJ5CH/AA (JXH48J5B), AJ020BXS3CH/AA (JXH20S3B), AJ024BXS4CH/AA (JXH24S4B), AJ030BXS4CH/AA (JXH30S4B), AJ036BXJ4CH/AA (JXH36J4B), AJ036BXS4CH/AA (JXH36S4B), AJ048BXJ5CH/AA (JXH48J5B)

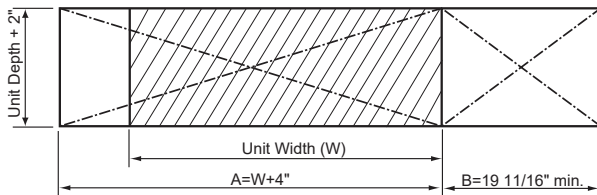
Nominal cooling capacities are based on: Indoor temperature: 80 °F DB, 67°F WB. Outdoor temperature: 95°F DB, 75°F WB.
Nominal heating capacities are based on: Indoor temperature: 70 °F DB, 60°F WB. Outdoor temperature: 47°F DB, 43°F WB.
Samsung HVAC maintains a policy of ongoing development, specifications are subject to change without notice.
¹ Requires the installation of MRK-A10N wireless signal receiver.
² MIM-H04UN is only required for remote control of cassette, console, and duct indoor units. Only one per system is required.

Samsung FJM Series, Duct S Unit
AJ012BNHDCH/AA Dimensional Drawing



No.	Name	Description
1	Liquid pipe connection	Ø 1/4"
2	Gas pipe connection	Ø 3/8"
3	Drain pipe connection	OD 1 1/4, ID 1
4	Power supply connection	-
5	Air discharge flange	-
6	Air filter	-
7	Hook	M8~M10

Inspection Opening Requirements



In applications where there is not a tile ceiling, an inspection hole is required. If height between ceiling and structure is 1.64' or more, inspection opening "B" is recommended. If height between ceiling and structure is less than 1.64', inspection opening "A" and "B" is recommended.(verify state and local codes).

Unit Clearance From Structure

