

Job Name

Purchaser

Submitted to

Unit Designation

Location

Engineer

Reference

Schedule #

Approval

Construction

Specifications

Model	US Code		JNH09JDT
	Model Number		AJ009TNJDCH/AA
Performance	Nominal Capacity	Cooling (Btu/h)	8,900
		Heating (Btu/h)	9,900
Power	Voltage (øV/Hz)		1 / 208-230 / 60
	Nominal Running Current (A)		0.25
Fan	Type		Turbo (1)
	Motor	Type	BLDC (1)
		FLA / Output	0.35A / 35 W
Airflow	CFM	L/M/H	212 / 240 / 265
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	ID 1
Unit Dimensions	W X H X D	Inches	28 3/8 X 24 7/16 X 7 13/16
	Weight	lbs.	34.60
Sound Level	L / M / H	dB(A)	33 / 35 / 38
Accessories	Wired Controllers	Advanced	MWR-WG00UN
		Simple Touch	MWR-SH11UN
	Wireless Remote Controller		AR-EH03U
	Wi-Fi Adapter For Remote Control¹		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.
- The unit shall discharge cool air from the upper outlet louver (motorized) while in cooling mode and warm air from the upper and lower (manual adjustment only) outlets while in heating mode.
- 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
- Electro-static, washable, pleated filter as standard (included)
- Gravity drain as standard
- The front panel shall have LED indicator lights, touch controls, IR receiver, and 1 motorized louver.

Construction
Insulated, HIPS chassis certified to UL94 V0

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

Indoor Fan
Indoor fan is turbo 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 16AWG X 2

Dual set temperature support when connected to MWR-WG00UN Advanced Wired Controller.

The system shall integrate with the Samsung Controls Solution.

Compatibility
Will only operate with Samsung outdoor unit model numbers:
AJ020TXJ2CH/AA (JXH20J2T), AJ024TXJ3CH/AA (JXH24J3T), AJ036TXJ4CH/AA (JXH36J4T), AJ048TXJ5CH/AA (JXH48J5T), AJ020TXS3CH/AA (JXH20S3T), AJ024TXS4CH/AA (JXH24S4T), AJ030TXS4CH/AA (JXH30S4T), AJ036TXS4CH/AA (JXH36S4T)

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.

¹MIM-H04UN is only required for remote control of cassette, console, and duct indoor units. Only one per system is required.

