

SAMSUNG

SUBMITTAL DATA

AJ012DNADCG/AA (JNG12ADD) FOR MULTI ZONE SYSTEMS

WindFree™* Standard, Wall Mounted Evaporator, W/Refrigerant Leak Detection

Job Name: _____

Location: _____

Purchaser: _____

Engineer: _____

Submitted to: _____

Reference Approval Construction

Unit designation: _____

Schedule #: _____

General Information

- The indoor unit shall feature WindFree™* mode. When activated in cooling mode the unit will close its louver and will disperse air into the space through thousands of micro-holes on the front of the indoor unit preventing cold air drafts on occupants.
- The indoor unit shall have integral Wi-Fi capability as standard.
- The outdoor unit shall provide 208/230V power to the indoor unit via 14 AWG X 3 interconnect power cable.
- Interconnecting control wiring between the outdoor to indoor shall be 2-conductor/stranded copper/shielded cable between 18-16 AWG.



Construction

- The indoor unit chassis shall be UL94 V0 with a galvanized steel mounting bracket
- The indoor unit shall have easy access to wire, pipe, and drain connections via the access panel on the bottom of the unit for simple installation and service

Refrigerant System

- The heat exchanger shall be mechanically bonded fin to copper tube
- Refrigerant flow shall be controlled by an electronic 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

- The indoor fan shall be a single, antibacterial cross-flow type
- Three fan speeds and auto settings
- Automatic (motorized) vertical swing (up/down) and horizontal swing (left/right) louvers

Controls

- The indoor unit shall ship with a rechargeable, solar-cell wireless controller. The wireless controller battery shall be charged with a USB C cable or the integral solar panel.
- The included wireless controller shall have a pixel display that is visible in low light conditions.
- The indoor unit shall have a built-in Wi-Fi adapter as standard to allow control and monitoring using the Samsung SmartThings app.
- Dual set temperature support when connected to supported wired controllers.
- The indoor unit shall have a simple connection for condensate overflow detection devices or any normally closed contact for simple unit shutdown.

Convenience

- 7-segment digital display on the front of the unit to display temperature and unit status
- Washable main filter as standard accessible from the top of the unit
- System energy consumption can be viewed using the Samsung SmartThings mobile app or on the indoor unit display using the included wireless controller (conditions apply).
- AI (artificial intelligence) Auto Mode technology monitors factors such as indoor temperature, outdoor temperature, set temperature, and operating time to learn the patterns within your home to automatically adjust system operation to maximize occupant comfort and efficiency (Wi-Fi connection required).
- AI Energy mode technology enhances energy saving operation using advanced compressor control techniques
- Other Features and functions: Auto changeover, Auto Clean Function, MAX mode to quickly reach set temperature, Good'sleep mode, Quiet mode, Dry mode, Simple ON/OFF time function (activated with wireless controller), Filter cleaning reminder



*The WindFree™ unit delivers an air current that is under 0.15 m/s while in WindFree™ mode. Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE (American Society of Heating, Refrigerating, and Air Conditioning Engineers).

Specifications **AJ012DNADCG/AA**

Model	US Code		JNG12ADD
	Model Number		AJ012DNADCG/AA
Performance	Nominal Capacity	Cooling (Btu/h)	12,000
		Heating (Btu/h)	12,000
Power	Voltage	ø / V / Hz	1 / 208-230 / 60
	Operating Current (max.)	Cooling (A)	0.3
		Heating (A)	0.3
Evaporator Fan	Type		BLDC motor with cross-flow fan
	FLA	Amps	0.12
	Consumption	Watts	27
Airflow	Air Volume (L/M/H/Turbo)	Cooling (CFM)	340 / 368 / 382 / 396
		Heating (CFM)	343 / 371 / 399 / 413
Refrigerant	Type		R-32
	A2L Leak Detection		Integral
Pipe Connections	Indoor & Outdoor	High side (In.)	1/4
		Low side (In.)	3/8
	Condensate Connection		11/16" OD
Dimensions	W X H X D	In.	32 5/16 X 11 3/4 X 8 7/16
	Weight	lbs.	19.60
Operating Temperatures	Indoor	Cooling	64 ~ 90°F (16 ~ 32°C)
		Heating	T ≤ 86°F (30°C)
Sound Pressure Level	Low / Med. / High	dB(A)	23 / 38
Safety	Certifications		UL 60335-2-40
	Devices		PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing
	Battery Chemistry		(Remote Control only) Lithium Ion

Accessories **AJ012DNADCG/AA**

Condensate pump	Aspen Mini Orange	ASP-MO-UNIV 110-250
	Blue Diamond	BD-BLUE-230
		X86-011
Wired controller (sub-PCB model MIM-A00UN is required)	Advanced	MWR-WG01UN
	Touchscreen	MWR-SH12UN
Wired controller sub-PCB		MIM-A00UN
24 VAC Thermostat adapter (sub-PCB model MIM-A00UN is required)		MIM-A60UN
External temperature sensor		MRW-TAU
External contact control interface module (sub-PCB model MIM-A00UN is required)		MIM-B14U
Line set - insulated and flared, interconnect cables included	25'	ILS2506
	50'	ILS5006

Dimensional Drawing

AJ012JNADCG/AA (JNG12ADD)

Unit: Inches

