SAMSUNG

SUBMITTAL DATA

AJ018DNADCG/AA (JNG18ADD) 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.
- Outdoor unit shall provide 208/230V power to the indoor unit via 14 AWG X 3 interconnect power cable.

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

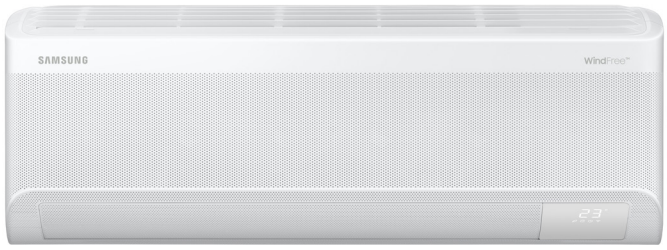
- The heat exchanger shall be mechanically bonded fin to copper tube
- Refrigerant flow shall be controlled by an electronic expansion valve at the outdoor unit.
- The system shall include an R32 alarm output plug on the indoor unit and outdoor unit for notification of R32 leak detection (MIM-B14U accessory 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.
- Interconnect control wire between the outdoor and indoor unit shall be 16AWG X 2



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

Intertek

AHRI CERTIFIED® www.ahridirectory.org Unitary Small HP AHRI Standard 210/240

*The WindFree™ unit delivers an air current that is under 0.15 m/s while in WindFreeTM 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).

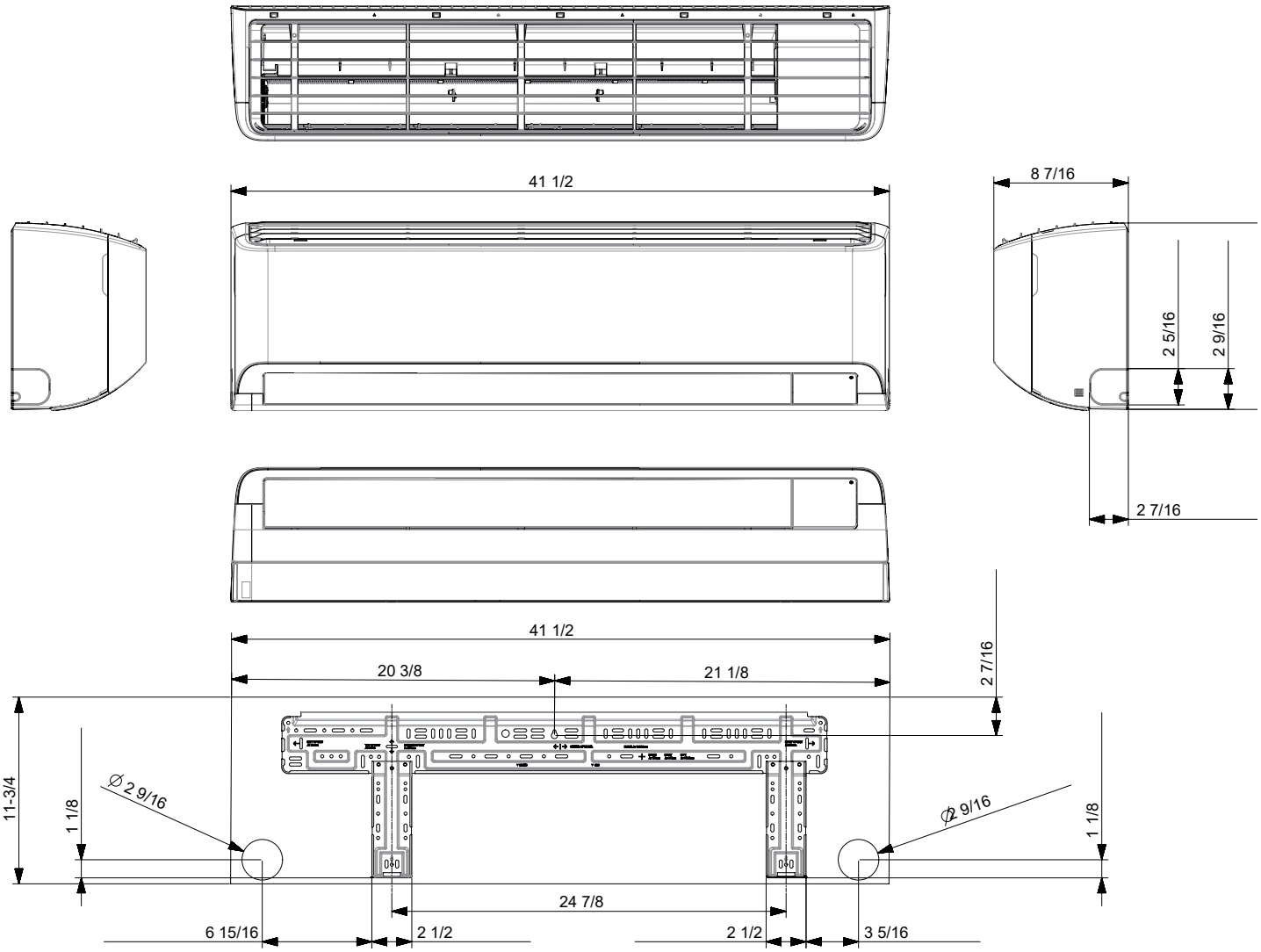
Specifications AJ018DNADCG/AA

Model	US Code		JNG18ADD
	Model Number		AJ018DNADCG/AA
Performance	Nominal Capacity	Cooling (Btu/h)	18,000
		Heating (Btu/h)	21,000
Power	Voltage	ø / V / Hz	1 / 208-230 / 60
	Operating Current (max.)	Cooling (A)	0.5
		Heating (A)	0.5
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)	401 / 435 / 469 / 486
		Heating (CFM)	465 / 525 / 584 / 623
Refrigerant	Type		R-32
	A2L Leak Detection		Integral
Pipe Connections	Indoor & Outdoor	High side (In.)	1/4
		Low side (In.)	1/2
	Condensate Connection		11/16" OD
Dimensions	W X H X D	In.	41 9/16 X 11 3/4 X 8 7/16
	Weight	lbs.	25.40
Operating Temperatures	Indoor	Cooling	64 ~ 90°F (16 ~ 32°C)
		Heating	T ≤ 86°F (30°C)
Sound Pressure Level	Low / Med. / High	dB(A)	30 / 41
Safety	Certifications		UL 60335-2-40

Accessories AJ018DNADCG/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'	☐ ILS2507
	50'	☐ ILS5007

Dimensional Drawing

AJ018JNADCG/AA (JNG12ADD)

Unit: Inches