

Job Name \_\_\_\_\_  
 Purchaser \_\_\_\_\_  
 Submitted to \_\_\_\_\_  
 Unit Designation \_\_\_\_\_

Location \_\_\_\_\_  
 Engineer \_\_\_\_\_  
 Reference \_\_\_\_\_ Approval \_\_\_\_\_ Construction \_\_\_\_\_  
 Schedule # \_\_\_\_\_

**Specifications**

Model	US Code		RNS12CPC	
	Model Number		AR12CSKCPWKNCV	
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		
	Consumption	Watts	27	
	FLA	Amps	0.12	
Airflow	Air Volume (L/M/H/Turbo)	Cooling (CFM)	309 / 337 / 364 / 378	
		Heating (CFM)	343 / 371 / 399 / 413	
Refrigerant	Type	R410A		
	Control Method	Electronic Expansion Valve		
Pipe Connections	Indoor & Outdoor	High side (flare)	1/4"	
		Low side (flare)	3/8"	
	Condensate Connection	1 1/16" OD		
Dimensions	W X H X D (in.)	Indoor Unit	32-5/16 x 13-9/16 x 8-7/16	
	Weight (lbs.)	Indoor Unit	20.1	
Sound Pressure Level	Low / High	dB(A)	23 / 38	
Accessories	Wired Controllers	Advanced	MWR-WG00UN	
		Simple Touch	MWR-SH11UN	
	Wired Controller Sub-PCB	MIM-A00UN		
	24VAC Thermostat Adapter	MIM-A60UN		
	Condensate Pump	Aspen Mini Orange	ASP-MO-UNIV 110-250	
		Blue Diamond	BD-BLUE-230	
	External Temperature Sensor	MRW-TA		
	External Contact Control Card Interface	MIM-B14		
Line Sets - insulated and flared; interconnect cables included	25' - ILS2506			
	50' - ILS5006			
Safety	Certifications	UL 60335-2-40		



**General Information**

- The indoor unit shall feature WindFree™ mode. In cooling mode, as room temperature nears set temperature, 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 be capable of sensing dust particulate matter in the air stream, and displaying the appropriate measured data on the unit's display.
- The indoor unit shall have Wi-Fi capability as standard.
- The indoor unit shall be powered by the outdoor unit.

**Construction**

- 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 access panel on the bottom of the unit for simple installation and service
- The indoor unit shall include a factory installed electrostatic precipitator capable of breaking down dust and particulate matter as small as 0.3 microns.

**Heat Exchanger**

- The heat exchanger shall be mechanically bonded fin to copper tube

**Indoor Fan**

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

**Controls**

- The system shall have a built in Wi-Fi adapter as standard to allow control and monitoring using the Samsung SmartThings app (Android, iOS)
- Dual set temperature support when connected to MWR-WG00UN Advanced Wired Controller.
- The indoor unit shall have a simple connection for overflow detection devices or any other normally closed contact for simple unit shutdown
- The indoor unit shall ship with a wireless controller, holder, and batteries
- Wired controller options available
- Interconnect control wire between outdoor and indoor unit shall be 16AWG X 2

**Convenience**

- System energy consumption can be viewed using the Samsung SmartThings mobile app or on the indoor unit display using the included wireless controller\*\*
- Measured indoor-air-quality can viewed using the Samsung SmartThings mobile app, allowing the AI Purify mode to automatically run the Purify mode when indoor air quality is low.
- Auto Clean Function
- 7-segment digital display on front of unit to display temperature and unit status
- Auto changeover
- Good Sleep mode
- Quiet mode
- Dry mode
- Purify mode
- Simple ON/OFF time function – Using the wireless controller specify the ON and/or OFF times
- Electro-static, washable, main filter as standard accessible from the top of unit
- Filter cleaning reminder

**Compatibility**

- Refer to the FJM outdoor unit submittal data or technical data book for complete compatibility listings.

\*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).

\*\*For reference only; not revenue grade.

<sup>1</sup>Sub-PCB model MIM-A00UN is required when connecting optional wired controllers or MIM-A60UM 24VAC thermostat adapter.

<sup>2</sup>When applying MIM-B14 external contact control interface module, MIM-A00UN wired controller sub-PCB is required.

Samsung HVAC maintains a policy of ongoing development. Specifications are subject to change without notice. Refer to [www.AHRIdirectory.org](http://www.AHRIdirectory.org) for current reference numbers.



## Samsung WindFree™ 3.0i, wall mounted evaporator Indoor unit dimensional drawing

Unit: inches

