

Job Name _____
 Purchaser _____
 Submitted to _____
 Unit Designation _____

Location _____
 Engineer _____
 Reference _____ Approval _____ Construction _____
 Schedule # _____

Specifications

| | | | |
|--|--|--|--------------------------|
| Model | US Code | | RNS24CMB |
| | Model Number | | AR24BSFCMWKNCV |
| Performance | Nominal Capacity | Cooling (Btu/h) | 22,000 |
| | | Heating (Btu/h) | 24,000 |
| 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 | |
| | Consumption | Watts | 27 X 1 |
| | FLA | Amps | 0.12 |
| Airflow | Air Volume (L/M/H/Turbo) | Cooling (CFM) | 465 / 525 / 584 / 623 |
| | | Heating (CFM) | 470 / 529 / 589 / 629 |
| Refrigerant | Type | R410A | |
| | Control Method | Electronic Expansion Valve (at outdoor unit) | |
| Pipe Connections | Indoor & Outdoor | High side (flare) | 1/4" |
| | | Low side (flare) | 5/8" |
| Dimensions | W X H X D | in. | 41 1/2 X 11 3/4 X 8 7/16 |
| | Weight | lbs. | 25.4 |
| | Condensate Connection | | 11/16" OD |
| Sound Pressure Level | Low / High | dB(A) | 28 / 45 |
| Accessories | Wired Controllers ¹ | Advanced | MWR-WG00UN |
| | | Simple Touch | MWR-SH11UN |
| | Wired Controller Sub-PCB | | MIM-A00UN |
| | 24VAC Thermostat Adapter ¹ | | 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 Interface Module ² | | MIM-B14 |
| Line sets - insulated and flared, interconnect cables included | | 25' - ILS2509 | |
| | | 50' - ILS5009 | |
| Safety Certifications | | | ETL (UL 1995) |



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 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

Heat Exchanger

- The heat exchangers 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 and supported central control options.
- 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 (not revenue grade, for reference only)
- 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
- 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

Will only operate with Samsung outdoor unit model numbers:
 AR24BSFCMWKNCV (RXS24CMB), AJ036BXJ4CH/AA (JXH36J4B),
 AJ048BXJ5CH/AA (JXH48J5B), AJ030BXS4CH/AA (JXH30S4B),
 AJ036BXS4CH/AA (JXH36S4B), AJ036TXJ4CH/AA (JXH36J4T),
 AJ048TXJ5CH/AA (JXH48J5T), AJ030TXS4CH/AA (JXH30S4T),
 AJ036TXS4CH/AA (JXH36S4T)

^{*}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).

¹ Sub-PCB model MIM-A00UN is required when connecting optional wired controllers or MIM-A60UN 24VAC thermostat adapter.

² 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 for current reference numbers.



Unit: inches

