# SAMSUNG

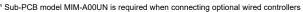
SUBMITTAL AR07TSFYBWKNCV (RNS07YBT) For Multi-Zone Systems

Samsung "Quantum 2.0", wall mounted evaporator

Job Name	Location _		
Purchaser	Engineer		
Submitted to	Reference	Approval	Construction
Unit Designation_	Schedule #		

# **Specifications**

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Model	US Code		RNS07YBT	
Model	Model Number		AR07TSFYBWKNCV	
Performance	N : 10 ''	Cooling (Btu/h)	7,000	
	Nominal Capacity	Heating (Btu/h)	7,500	
Power	Voltage	Ø / V / Hz	1 / 208-230 / 60	
	Operating Current	Cooling (A)	0.3	
	(Max.)	Heating (A)	0.3	
	Туре		BLDC motor with cross-flow fan	
Evaporator Fan	Consumption	Watts	27 X 1	
	FLA	Amps	0.12	
Airflow	Air Volume	Cooling (CFM)	309 / 322 / 336 / 350	
	(L/M/H/Turbo)	Heating (CFM)	340 / 354 / 368 / 381	
Refrigerant	Туре		R410A	
	Control Method		Electronic Expansion Valve (at outdoor unit)	
Pipe Connections	Indoor & Outdoor	High side (flare)	1/4"	
	indoor & Outdoor	Low side (flare)	3/8"	
Dimensions	W X H X D (in.)	Indoor Unit	32 5/16 X 11 3/4 X 8 7/16	
	Weight (lbs.)	Indoor Unit	20.1	
	Condensate Connection		11/16" OD	
Sound Pressure Level	Low / High (dB)	dB(A)	23 / 37	
Accessories	Wired	Advanced	MWR-WG00UN	
	Controllers 1	Simple Touch	MWR-SH11UN	
	Wired Controller Sub-PCB		MIM-A00UN	
	24VAC Thermostat Adapter		MIM-A60UN	
	Condensate	Aspen Mini Orange	ASP-MO-UNIV 110-250	
	Pump	Blue Diamond	BD-BLUE-230	
	External Temperature Sensor		MRW-TA	
	External Contact Control Interface Module <sup>2</sup>		MIM-B14	
	Line sets - insulated and flared, interconnect cables included		25' - ILS2506	
			50' - ILS5006	
Safety Certifications			ETL (UL 1995)	
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<sup>&</sup>lt;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 for current reference numbers.



# General Information

- The indoor unit shall have Wi-Fi capability as standard
- •The indoor unit shall be powerd 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) louver and manual 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

## Convenience

- System energy consumption can be viewed using the Samsung SmartThings mobile app or on the indoor unit display using the included wireless controller (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 modeQuiet 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:
AJ020TXJ2CH/AA (JXH20J2T), AJ024TXJ3CH/AA (JXH24J3T),
AJ036TXJ4CH/AA (JXH36J4T), AJ048TXJ5CH/AA (JXH48J5T),
AJ020TXS3CH/AA (JXH20S3T), AJ024TXS4CH/AA (JXH24S4T),
AJ030TXS4CH/AA (JXH30S4T), AJ036TXS4CH/AA (JXH36S4T)



Samsung "Quantum 2.0", wall mounted evaporator

Indoor unit dimensional drawing

Unit: inches

