

Job Name

Purchaser

Submitted to

Unit Designation

Location

Engineer

Reference

Schedule #

Approval

Construction

Specifications			
Model	Indoor Unit Model Number (US Code)		AR36BSHUMGMNCV (RNS36UMB)
	Outdoor Unit Model Number (US Code)		AR36BSHUMGMXCV (RXS36UMB)
Performance ¹	Nominal Capacity	Cooling / Heating (Btu/h)	36,000 / 40,000
	Capacity Range	Cooling (Btu/h)	9,500 - 39,000
		Heating (Btu/h)	9,500 - 47,000
	SEER2		19.2
	EER2		9.5
	HSPF2		8.5
Power	Voltage	ø / V / Hz	1 / 208-230 / 60
	Working Voltage Range (VAC)		176 - 254 (max. 3% deviation from each)
	Operating Current (min. / std. / max.)	Cooling (A)	5.0 / 16.8 / 19.1
		Heating (A)	3.0 / 20.0 / 24.0
	Max. Breaker	Amps	35
	Min. Circuit Ampacity (A)		21.4
Dimensions	W X H X D (in.)	Indoor Unit	50 3/8 X 9 15/16X 13 9/16
		Outdoor Unit	37 X 47 5/8 X 13
	Weight (lbs.)	Indoor Unit	40.8
		Outdoor Unit	189.6
Sound Pressure Level	Indoor Unit dB(A)	Silent / L / M / H	38 / 46 / 48 / 51
	Outdoor Unit dB(A)	Cooling / Heating (high)	52 / 54
Operating Temperatures	Outdoor	Cooling	23 ~115°F (-5~ 46°C)
		Heating	0~115°F (-18~ 46°C) W/ Baffle
	Indoor	Cooling	-4~75°F (-20 ~ 24°C)
		Heating	61 ~90°F (16 ~32°C) T≤ 86°F (30°C)
Pipe Connections	Indoor & Outdoor	High side (flare)	3/8"
		Low side (flare)	5/8"
	Maximum (ft.)		246
	Maximum Vertical Separation (ft.)		98.4
Refrigerant	Indoor & Outdoor		Condensate Connection 1 1/4 O.D X 1 I. D
	Type	R410A	
	Control Method		Electronic Expansion Valve
	Factory Charge	lbs.	6.39
	Charged for		24.6 ft
Compressor	Additional Refrigerant		0.11 oz/ft over 24.6 ft
	Manufacturer		Samsung
	Type	Inverter Driven, Twin BLDC Rotary	
Evaporator Fan	RLA	Amps	14.7
	Type	BLDC (1) With Crossflow Fan (2)	
	Air Volume	CFM (L/M/H)	699 / 752 / 830
	Output (W) / FLA (A)		58 W / 0.51 A
Condenser Fan	Motor		BLDC With Axial Type Fan (2)
	FLA / Watts / CFM (max.)		1.25 A / 125 W / 3,532 CFM
Safety	Certifications		ETL (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		

¹Performance data certified by AHRI to AHRI 210-240 (2023). Effective January 1st, 2023.

Samsung HVAC maintains a policy of ongoing development; specifications are subject to change without notice. Refer to www.AHRIdirectory.org for current reference numbers.

Proper sizing and installation of equipment is critical to achieve performance. Split system air conditioners and heat pumps (excluding ductless systems) must be matched with appropriate coil components to meet ENERGY STAR criteria. Ask your contractor for details or visit www.energystar.gov.



- General Information
- The outdoor unit shall supply power to indoor unit via 14 AWG X 3 power wire
 - High-voltage terminal block temperature sensor to disable unit in the event of power connection overheating
 - Auto-restart after power loss
 - Soft-start compressor minimizing current inrush
 - All heat exchangers shall be mechanically bonded aluminum fin to copper tube
 - The condensing unit heat exchanger salt spray test method: ASTM-B117-18 - the heat exchanger showed no unusual rust or corrosion development to 2,280 hours.
- Option settings
- The outdoor unit shall have snow accumulation prevention option setting to prevent snow drifting against an idle outdoor unit.
 - Night-time Quiet Mode: reduction of operational sound during evening hours (*automatic or manual activation*)
 - Emergency Temperature Output (ETO) function: when indoor unit is in error status or when room temperature exceeds configurable temperature level, the system outputs a signal to an external source, e.g., backup system, building management system, alert device (ex: status light, warning lamp, buzzer)
 - System can be configured as heating/cooling, cooling only, or heating only via outdoor unit option setting
 - Maximum Current Control configurable from 50% - 100% via outdoor unit, wired controller, or central controls

- Indoor Fan
- Indoor fan is a single crossflow type
 - Three fan speed settings and auto setting
 - Washable filter as standard
- Construction
- Outdoor unit: Galvanized steel with a baked-on powder coated finish for durability
 - Indoor unit: UL94 V0 with a galvanized steel mounting plate
- Controls
- Control wiring shall be 2 X 16 AWG
 - Wireless controller included as standard
 - Wired controllers must be purchased separately
 - Dual set temperature support when connected to MWR-WG00UN Advanced Wired Controller or central control options
 - No additional interface modules/adapters are required when connecting to Samsung central control options
 - The unit shall be operated via a wireless or wired remote control with DDC type signal

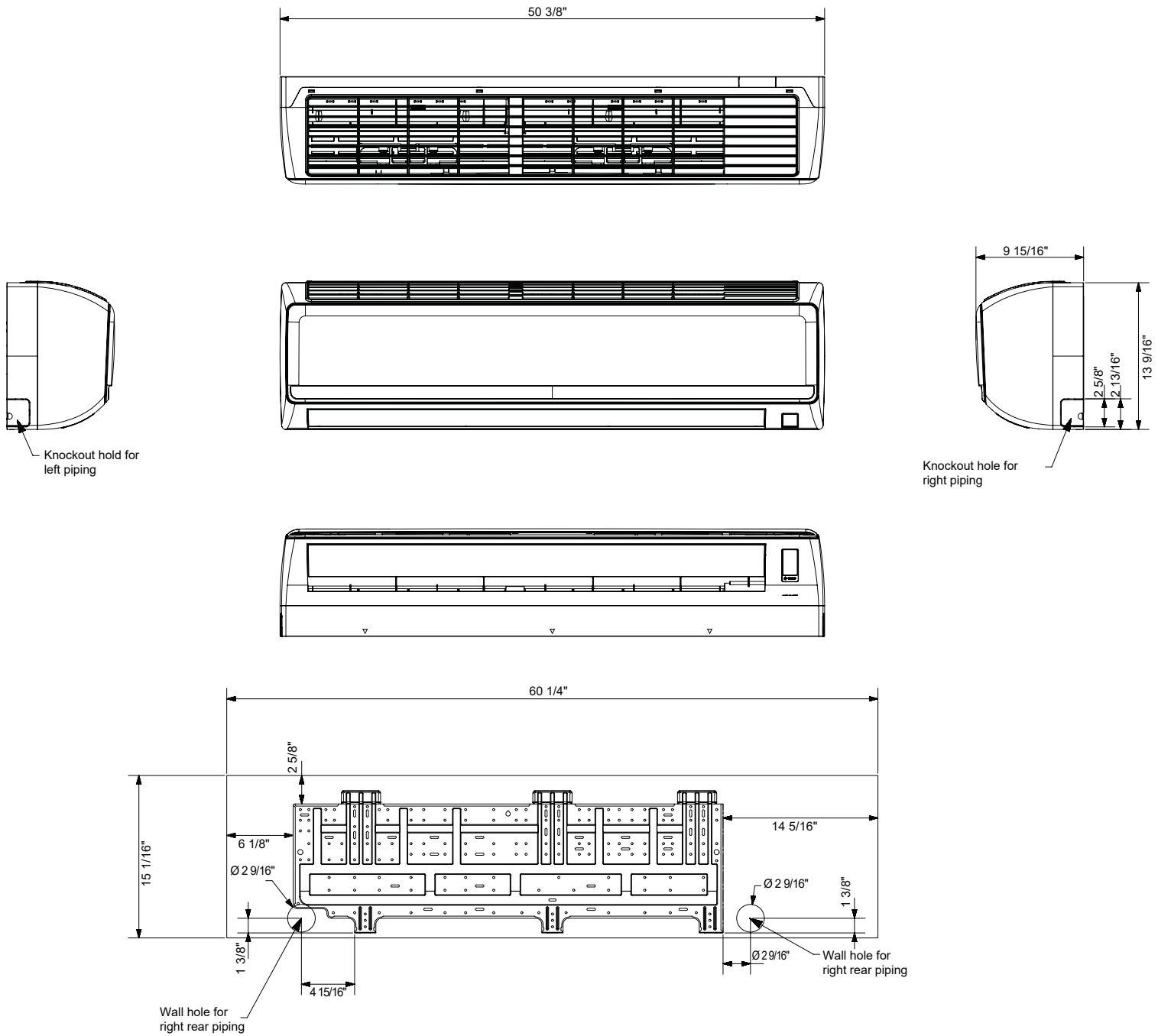
- Refrigerant System
- The compressor shall be hermetically sealed, inverter-controlled Twin BLDC rotary type
 - Refrigerant flow shall be controlled by an electronic expansion valve at outdoor unit

Warranty
10 years compressor, 10 years parts, 1-year limited labor (conditions apply)

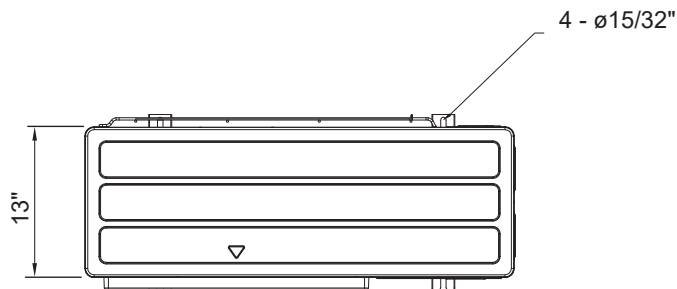


Optional Accessories

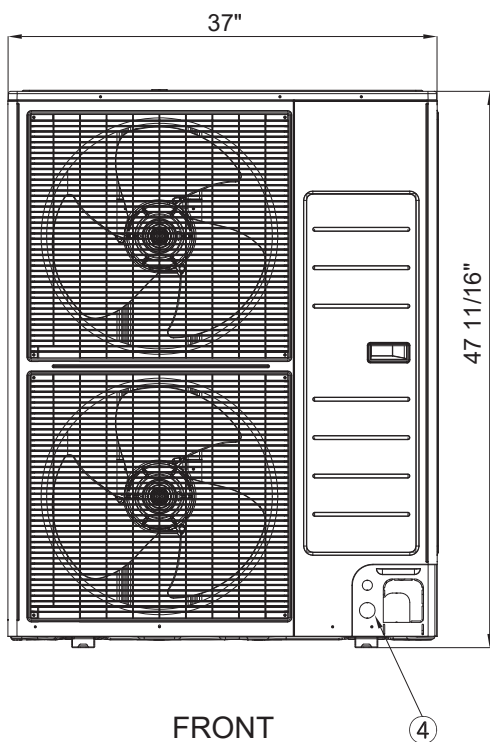
Wired Controller	Advanced	MWR-WG00UN
	Touchscreen	MWR-SH11UN
Thermostat Adaptor (for connection to a standard 24VAC thermostat)		MIM-A60UN
Wi-Fi adapter		MIM-H05UN
External Temperature Sensor		MRW-TA
External Contact Control		MIM-B14
Wall Bracket (for outdoor unit)		CKN-250
Wind Baffles	Front	WBF-1M2
	Back	WBB-2M-B
Hail Guard		HGK-4
Line Sets - insulated and flared, interconnect cables included		25' - ILS-2510
		50' - ILS-5010



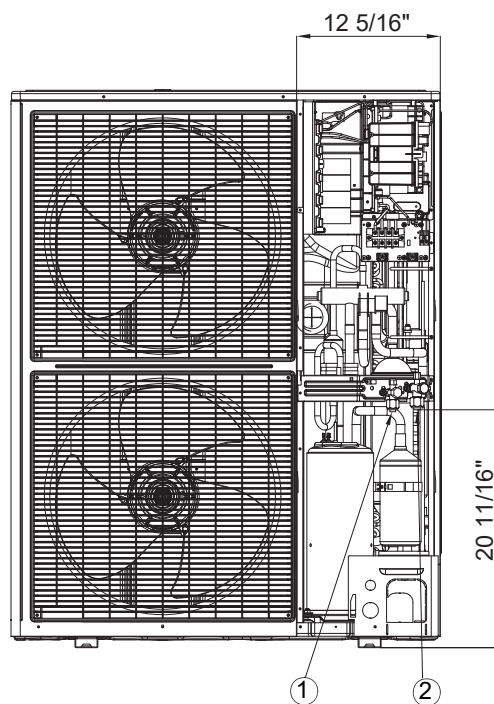
No.	Name	Description
1	Liquid pipe connection	3/8"
2	Gas pipe connection	5/8"
3	Drain pipe connection	1 1/16"
4	Power supply & Communication wiring conduit	-



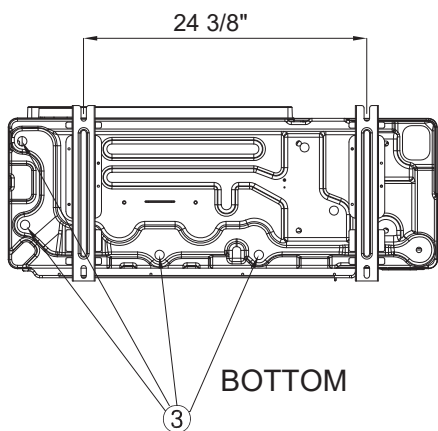
TOP



FRONT



FRONT WITHOUT SERVICE COVER



BOTTOM

No.	Name	Description
1	Refrigerant liquid pipe	3/8
2	Refrigerant gas pipe	5/8
3	Drain hole	Connect with provided drain plug
4	Power and communication conduit openings	--