

Submittal Data

MWMD018S6-1P (RNx18ABD) For Multi-Zone Systems

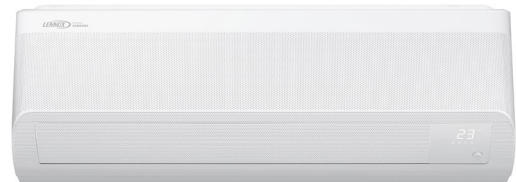
Wall-Mount Unit

Job name: _____
Purchaser: _____
Submitted to: _____
Unit designation: _____

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

General Information

- The indoor unit shall feature calm air 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.
- The outdoor unit shall provide 208/230V power to the indoor unit via 14 AWG X 3 interconnect power cable.
- Built-in motion sensor for airflow direction control and energy saving operation.



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.

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 and holder. 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.
- Unit energy consumption can be viewed using the Samsung SmartThings mobile app (conditions apply, not revenue grade).
- 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.

Specifications

Model	US Code		RNX18ABD
	Model Number		MWMD018S6-1P
Performance	Nominal Capacity	Cooling (Btu/h)	18,500
		Heating (Btu/h)	20,000
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)	427 / 481 / 536 / 572
		Heating (CFM)	447 / 501 / 556 / 592
Refrigerant	Type		R-32
	A2L Leak Detection		Not Included
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.	27.30
Operating Temperatures	Indoor	Cooling	64 ~ 90°F (16 ~ 32°C)
		Heating	T ≤ 86°F (30°C)
Sound Pressure Level	Silent / High	dB(A)	28 / 42
Safety	Certifications		UL 60335-2-40

Accessories

Condensate pump	Blue Diamond MaxiBlue	X87-721
	Blue Diamond MicroBlue w/slim fascia kit	X86-003
		X86-011
Wired controller (sub-PCB model VSTAT06P-1 is required)	Advanced	VSTAT04P-1
	Touchscreen	VSTAT02P-1
Wired controller sub-PCB		VSTAT06P-1
24 VAC Thermostat adapter (sub-PCB model VSTAT06P-1 is required)		VSTAT09P-1
External temperature sensor		VCTRL11P-1
External contact control interface module (sub-PCB model VSTAT06P-1 is required)		VSTAT10P-1

Dimensional Drawing
MWMD018S6-1P (RNx18ABD)

Unit: Inches

