

SUBMITTAL DATA – WALL MOUNTED

MWHD024S6S-1P – MWHD024S6-1P

SINGLE ZONE MINI-SPLIT HEAT PUMP

Job:	Engineer:
Location:	Architect:
Schedule No.:	Date:
System Designation:	For: ☐ Reference ☐ Approval ☐ Review ☐ Construction

FEATURES

- The indoor unit shall feature WindFree™* 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 system shall have a built-in Wi-Fi adapter as standard to allow control and monitoring using the Samsung SmartThings app.
- Outdoor unit shall provide 208/230V power to the indoor unit via 14 AWG X 3 interconnect power cable.

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 the access panel on the bottom of the unit for simple installation and service
- The outdoor unit shall be galvanized steel with a baked-on powder coated finish for durability

Heat Exchanger

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

Refrigerant System

- The system shall utilize low-GWP R-32 refrigerant
- The compressor shall be hermetically sealed, inverter controlled, BLDC Rotary
- Refrigerant flow shall be controlled by an electronic expansion valve at the outdoor unit

Indoor Fan

- The indoor fan shall be a single cross-flow type
- Three fan speed settings and auto setting
- 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.
- Dual set temperature support when connected to supported wired controllers.
- The indoor unit shall include an integral humidity sensor for improved humidity control functions.
- The indoor unit shall have a simple connection for condensate overflow detection devices or any normally closed contact for simple unit shutdown.
- Samsung central control compatible (accessory required)
- Interconnect control wire between the outdoor and indoor unit shall be 16AWG X 2

External Heat Control

- External heat control functionality allows for configuration of fan operation during auxiliary heat operation, defrost, and emergency heat (VSTAT10P-1 accessory required).
- External heat control configuration settings includes outside ambient external heat lockout, outside ambient compressor lockout, and time delay options (VSTAT10P-1 accessory required).
- Emergency heat functionality allows the system to continue controlling the external heat source even when system errors prevent the heat pump from operating (VSTAT10P-1 accessory required).

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
- System energy consumption can be viewed using the Samsung SmartThings mobile app or on the indoor unit display using the included wireless controller (conditions apply).
- 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
- Eco Mode to reduce energy consumption during low demand operation
- Smart install mode - Startup system diagnostics operation to ensure system readiness during initial operation
- Auto restart after power loss
- Other Features and functions: Auto changeover, Auto Clean Function, Freeze Wash 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



Outdoor Unit: MWHD024S6S-1P



Indoor Unit: MWHD024S6-1P

PRODUCT WARRANTY

Compressor – Seven year warranty

All other covered components - Five year warranty

ACCESSORIES

VSTAT02P-1 Touch Screen Wired Controller*	37P79
VSTAT04P-1 Programmable Wired Controller*	37Y74
VSTAT09P-1 24V Thermostat Adapter	37Y96
VSTAT06P-1 Wall Mnt Mini-Split Wired Cntrlr Sub PCB	37Y83
VCTRL06P-1 Interface Module Comm Adaptor ERV Kits	37Y82
VCTRL11P-1 External Room Temp. Sensor	37Y77
VSTAT10P-1 External Contact Control	37Y69

*VSTAT06P-1 (37Y83) is REQUIRED with the selection of this accessory

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SPECIFICATIONS

Performance	Nominal Capacity	Cooling / Heating (Btu/h)	22,000 / 24,000
	Capacity Range	Cooling (Btu/h)	8,200 - 29,000
		Heating (Btu/h)	6,500 - 40,000
	AHRI 210-240 2023	SEER2	20.00
		EER2	12.20
		HSPF2 (region IV)	8.00
		5°F COP	1.92
Power	Voltage	ø / V / Hz	1 / 208-230 / 60
	Working Voltage Range (VAC)		187 - 253
	Operating Current (min. / standard / max.)	Cooling (A)	2.5 / 8 / 13.5
		Heating (A)	2.6 / 10.5 / 17.9
	Max. Breaker	Amps	30.0
	Min. Circuit Ampacity	Amps	21.0
Dimensions	W X H X D (in.)	Indoor Unit	41 9/16 X 11 3/4 X 8 7/16
		Outdoor Unit	37 X 39 5/16 X 13
	Weight (lbs.)	Indoor Unit	25.40
		Outdoor Unit	150.40
Sound Pressure Level	Indoor Unit dB(A)	Silent / High	30 / 45
	Outdoor Unit dB(A)	Cooling (high)	54
Operating Temperatures	Outdoor	Cooling	14 - 115°F (-10 - 46°C)
		Heating	-5 - 75°F (-20.6 - 24°C)
	Indoor	Cooling	64 ~ 90°F (16 ~ 32°C)
		Heating	T ≤ 86°F (30°C)
Pipe Connections	Indoor & Outdoor	High side (In.)	1/4
		Low side (In.)	5/8
	Maximum (ft.)		98
	Maximum Vertical Separation (ft.)		66
	Condensate Connection		11/16" OD
Refrigerant	Type		R-32
	A2L Leak Detection		Not Included
	Factory Charge	oz.	70.6
	Charged for		24.6 ft.
Compressor	Type		Inverter Driven, Twin BLDC Rotary
	RLA	Amps	7.8
Evaporator Fan	Type		BLDC motor with cross-flow fan
	FLA	Amps	0.12
	Output	Watts	27.0
Airflow	Air Volume (L/M/H/Turbo)	Cooling (CFM)	445 / 516 / 586 / 657
		Heating (CFM)	445 / 516 / 586 / 657
Condenser Fan	Type		BLDC With Axial Type Fan (1)
	FLA / Watts / CFM (max.)		1.25 / 125 / 2,825
Corrosion Prevention	ISO-9227 - The condenser heat exchanger showed no unusual rust or corrosion development to 240 hours.		

NOTE – Due to Lennox' ongoing commitment to quality, Specifications, Ratings, and Dimensions are subject to change without notice and without incurring liability. Improper installation, adjustment, alteration, service or maintenance can cause property damage or personal injury. Installation and service must be performed by a qualified installer and servicing agency.

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OUTDOOR DIMENSIONS IN.



