SUBMITTAL DATA – **Wall Mount**
3WPD036S6S-1P – 3WMD036S6-1P
SINGLE ZONE MINI-SPLIT HEAT PUMP

Job: | **Engineer:**

Location: | **Architect:**

Schedule No.: | **Date:**

System Designation: | **For:** ☐ Reference ☐ Approval ☐ Review ☐ Construction

GENERAL INFORMATION

- The system shall provide high heating capacity at -4°F (-20°C) with heating operation down to -13°F (-25°C).
- The outdoor unit shall have a base pan heater as standard for optimal defrost cycle water drainage.
- 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**
- Outdoor unit: Galvanized steel with a baked-on powder-coated finish for dura-bility.
- The indoor unit chassis shall be UL94 V0 with a galvanized steel mounting bracket
- All heat exchangers shall be mechanically boded aluminum fin to copper tube.
- **Refrigerant System**
- The system shall utilize low-GWP R-32 refrigerant
- Refrigerant flow shall be controlled by an electronic expansion valve at the outdoor unit
- **Indoor Fan**
- Three fan speed settings and auto settings
- Automatic (motorized) vertical swing (up/down) louver
- **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 unit shall be operated via a wireless or wired remote control with DDC-type signal (wired controller sold separately)
- Control wiring shall be 2 X 16 AWG.
- Dual set temperature support when connected to supported controllers.
- No additional interface modules/adapters are required when connecting to Sam-sung central control options.
- **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 include 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 exter-nal heat source even when system errors prevent the heat pump from operating (VSTAT10P-1 accessory required).
- External heat control functionality allows for configuration of fan operation during auxiliary heat operation, defrost, and emergency heat
- Emergency heat functionality allows the system to continue controlling the exter-nal heat source even when system errors prevent the heat pump from operating
- **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
- The outdoor unit shall have a 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 a configurable temperature level, the system outputs a signal to an external source (e.g., backup system, building management system, alert device like status light, warning lamp, or buzzer).
- The 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 Unit: 3WMD036S6-1P

Outdoor Unit: 3WPD036S6S-1P

PRODUCT WARRANTY

Compressor – Twelve year limited warranty*

All other covered components - Twelve year limited warranty*

*Product registration required

ACCESSORIES

VSTAT02P-1 Touch Screen Wired Controller	37P79
VSTAT04P-1 Programmable Wired Controller	37Y74
VSTAT09P-1 24V Thermostat Adapter	37Y96
VCTRL11P-1 External Room Temp. Sensor	37Y77
VSTAT10P-1 External Contact Control	37Y69

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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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SPECIFICATIONS

Performance	Nominal Capacity	Cooling / Heating (Btu/h)	33,000 / 40,000
	Capacity Range	Cooling (Btu/h)	12,000 - 45,000
		Heating (Btu/h)	10,000 - 54,000
	AHRI 210-240 2023	SEER2	20.00
		EER2	12.00
		HSPF2 (region IV)	9.00
		5°F COP	1.80
Power	Voltage	ø / V / Hz	1 / 208-230 / 60
	Working Voltage Range (VAC)		187 - 253
	Operating Current (min. / standard / max.)	Cooling (A)	2.1 / 15.0 / 24.0
		Heating (A)	3.0 / 20.0 / 24.0
	Max. Breaker	Amps	40.0
	Min. Circuit Ampacity	Amps	35.8
Dimensions	W X H X D (in.)	Indoor Unit	50 3/8 X 10 X 13 5/8
		Outdoor Unit	37 X 55 7/8 X 13
	Weight (lbs.)	Indoor Unit	40.80
		Outdoor Unit	211.60
Sound Pressure Level	Indoor Unit dB(A)	L / M / H / Turbo	38 / 46 / 48 / 51
	Outdoor Unit dB(A)	Cooling / Heating (high)	60 / 60
Operating Temperatures	Outdoor	Cooling	23 - 122°F (-5 - 50°C)
			-4 - 122°F (-20 - 50°C) W/Baffle
		Heating	-13 - 75°F (-25 - 24°C)
	Indoor	Cooling	64 ~ 90°F (16 ~ 32°C)
		Heating	T ≤ 86°F (30°C)
Pipe Connections	Indoor & Outdoor	High side (In.)	3/8
		Low side (In.)	5/8
	Maximum (ft.)		246
	Maximum Vertical Separation (ft.)		98
	Condensate Connection		11/16" OD
Refrigerant	Type		R-32
	A2L Leak Detection		Not Included
	Factory Charge	oz.	123.5
	Charged for		24.6 ft.
Compressor	Type		Inverter Driven, Twin BLDC Rotary
	RLA	Amps	22.6
Evaporator Fan	Type		BLDC motor with cross-flow fan
	Output	Watts	58
Airflow	Air Volume (L/M/H)	Cooling (CFM)	699 / 752 / 830
		Heating (CFM)	699 / 752 / 830
Condenser Fan	Type		BLDC With Axial Type Fan (2)
	MOC / Watts / CFM (max.)		1.2A X 2 / 125W X 2 / 4,415

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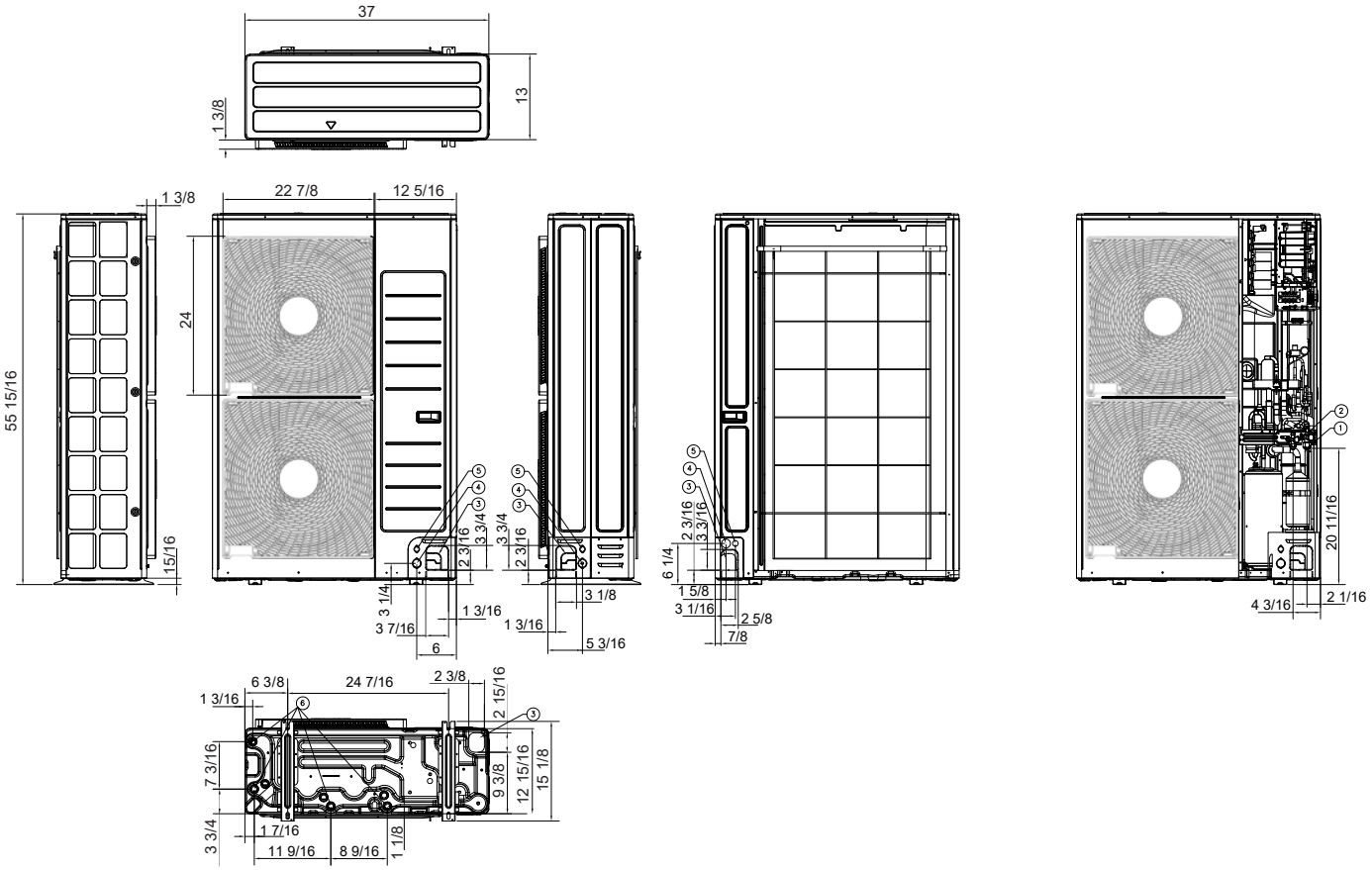
OUTDOOR DIMENSIONAL DRAWINGS - IN.



No.	Description
1	Liquid pipe connection
2	Gas pipe connection
3	Pipe intake knockout hole
4	Opening for power wire conduit (1 3/8")
5	Opening for communication conduit (7/8")
6	Drain hole

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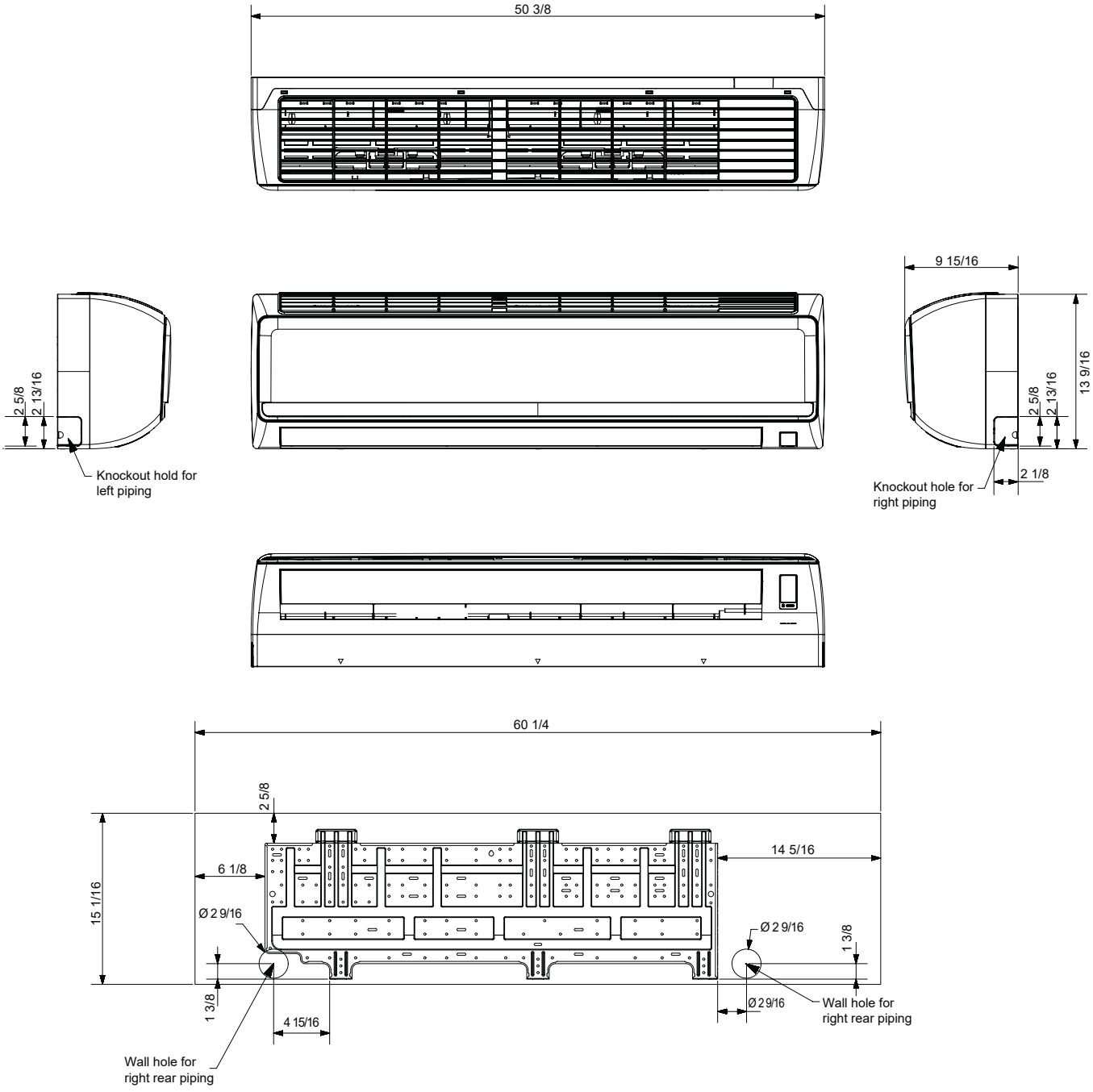
INDOOR DIMENSIONAL DRAWINGS - IN.



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