

MSZ-HX09NL2 & MUZ-HX09NL
9,000 BTU/H WALL-MOUNTED INDOOR UNIT
9,000 BTU/H INVERTER HEAT PUMP OUTDOOR UNIT



Job Name:

System Reference:

Date:



INDOOR Unit ... MSZ-HX09NL2
OUTDOOR Unit ... MUZ-HX09NL

INDOOR UNIT FEATURES

- **Wi-Fi Built-in:** Wi-Fi enabled units pair with the Comfort app for complete control over temperature, fan speeds, modes, schedules, and more.
- **Swing Mode:** An indoor unit with this capability can move air throughout the room like an oscillating fan.
- **Smart Dry Mode:** Improves humidity control with minimal over-cooling of the space.
- **Smart Set:** Smart Set conveniently adjusts to the preferred preset temperature by pressing a single button on the remote control.
- **Dual Barrier Coating:** Dual Barrier Coating reduces the collection of contaminants like dust, fibers, smoke, and oil on the inner surface of the indoor unit.
- **Horizontal Vane Control:** Horizontal Vane Control allows the indoor unit vanes to be moved left and right to provide even temperatures throughout a space.
- **Auto Changeover:** The unit will automatically switch between heating and cooling modes to maintain your desired temperature.

OUTDOOR UNIT FEATURES

- **Inverter Driven Compressor:** Inverter technology uses only the precise amount of energy needed to keep a space comfortable.
- **Blue Fin Coating:** Anti-corrosion coating that protects the outdoor heat exchanger against salt, sulfur, and other airborne contaminants that impact the efficiency and performance of the outdoor units.
- **Seacoast Protection:** An anti-corrosion treatment applied to the aluminum fins of the heat exchanger of the outdoor unit to protect against corrosion caused by salt, sulfur, and other airborne contaminants, especially in coastal and industrial areas.

SPECIFICATIONS: MSZ-HX09NL2 & MUZ-HX09NL

Cooling at 95F ¹	Maximum Capacity	Btu/h	11000
	Rated Capacity	Btu/h	9000
	Minimum Capacity	Btu/h	3600
	Maximum Power Input	W	1100
	Rated Power Input	W	720
	Moisture Removal	Pints/h	1.60
	Sensible Heat Factor		0.80
	Power Factor [208V / 230V]	%	89 / 89
Heating at 47F ²	Maximum Capacity	Btu/h	13000
	Rated Capacity	Btu/h	10900
	Minimum Capacity	Btu/h	4000
	Maximum Power Input	W	1400
	Rated Power Input	W	900
	Power Factor [208V / 230V]	%	91 / 91
Heating at 17F ³	Maximum Capacity	Btu/h	7200
	Rated Capacity	Btu/h	6800
	Maximum Power Input	W	1230
	Rated Power Input	W	820
Heating at 5F ⁵	Maximum Capacity	Btu/h	7700
	Maximum Power Input	W	1250
Heating at -5F ⁷	Maximum Capacity	Btu/h	6420
Efficiency	SEER2		20
	EER2 ¹		12.50
	HSPF2 [IV]		10
	COP at 47°F ²		3.55
	COP at 17°F at Maximum Capacity ³		1.70
	COP at 5°F at Maximum Capacity ⁵		1.80
	COP at -5°F at Maximum Capacity ⁷		1.48
	ENERGY STAR® Certified		Yes
Electrical	Voltage, Phase, Frequency	V AC / V AC , Ø , Hz	208 / 230 , 1 , 60
	Guaranteed Voltage Range	V AC	187 - 253
	Voltage: Indoor - Outdoor, S1-S2	V AC	230 / 208
	Voltage: Indoor - Outdoor, S2-S3	V DC	24
	Short-circuit Current Rating [SCCR]	kA	5
	Recommended Fuse/Breaker Size (Outdoor)	A	15
	Recommended Wire Size [Indoor - Outdoor]	AWG	14
Indoor Unit	MCA	A	1
	Breaker Size	A	-
	Fan Motor Output	W	30
	Fan Motor Type		DC Motor
	Airflow Rate at Cooling, Dry	CFM	144 , 211 , 296 , 379
	Airflow Rate at Cooling, Wet	CFM	129 , 190 , 267 , 342
	Airflow Rate at Heating, Dry	CFM	144 , 221 , 317 , 390
	Sound Pressure Level [Cooling]	dB (A)	22 , 30 , 37 , 43
	Sound Pressure Level [Heating]	dB (A)	22 , 30 , 37 , 43
	Drain Pipe Size O.D.	inch [mm]	5/8 [15.88]
	Condensate Lift Mechanism, Max Height	inch	0
	Dual Barrier Coating on Heat Exchanger		No
	Dual Barrier Coating on Fan		Yes
	External Finish Color		Munsell 0.7PB 9.2/0.4
	Unit Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	33 x 9-1/4 x 11-1/32 [838 x 235 x 280]
	Package Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	36 x 13-1/4 x 11-1/2 [920 x 340 x 300]
	Unit Weight	lbs [kg]	20 [9]
	Package Weight	lbs [kg]	24 [10.50]
IDU Operating Temp. Range	Cooling Intake Air Temp [Maximum / Minimum]	°FDB , °FWB / °FDB , °FWB	90 , 73 / 67 , 57

Notes

¹Cooling at 95°F (Indoor // Outdoor) °F 80 DB, 67 WB // 95 DB, 75 WB

²Heating at 47°F (Indoor // Outdoor) °F 70 DB, 60 WB // 47 DB, 43 WB

³Heating at 17°F (Indoor // Outdoor) °F 70 DB, 60 WB // 17 DB, 15 WB

⁵Heating at 5°F (Indoor // Outdoor) °F 70 DB, 60 WB // 5 DB, 4 WB

⁷Heating at -5°F (Indoor // Outdoor) °F 70 DB, 60 WB // -5 DB, -6 WB

^{*}Indoor/Outdoor Unit Operating Temperature Range (Cooling Air Temp [Maximum / Minimum]): • Applications should be restricted to comfort cooling only; equipment cooling applications are not recommended for low ambient temperature conditions.

^{**}Outdoor Unit Operating Temperature Range (Cooling Thermal Lock-out / Re-start Temperatures; Heating Thermal Lock-out / Re-start Temperatures): • System cuts out in heating mode and automatically restarts at these temperatures.

SPECIFICATIONS: MSZ-HX09NL2 & MUZ-HX09NL

IDU Operating Temp. Range	Heating Intake Air Temp [Maximum / Minimum]	°FDB	80 / 70
Outdoor Unit	MCA	A	10
	MOCP	A	15
	Fan Motor Full Load Amperage	A	0.71
	Fan Motor Output	W	55
	Airflow Rate Cooling	CFM	1141
	Airflow Rate Heating	CFM	1196
	Defrost Method		Reverse Cycle
	Coating on Heat Exchanger (Bluefin, Sea Coast)		Yes , Yes
	Sound Pressure Level, Cooling ¹	dB (A)	46
	Sound Pressure Level, Heating ²	dB (A)	50
	Compressor Type		Single Rotary
	Compressor Model		KRB073FATMC
	Compressor Oil [Type // Charge]	// oz	RM68EH // 9.13
	External Finish Color		Munsell 3Y 7.8/1.1
	Base Pan Heater		Optional
	Unit Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	31/-1/2 x 11-1/4 x 21/5/8 [800 x 285 x 550]
	Package Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	37-1/16 x 14-31/32 x 24-13/16 [940 x 380 x 630]
	Unit Weight	lbs [kg]	65 [29.5]
	Package Weight	lbs [kg]	77 [32.4]
ODU Operating Temp. Range	Cooling Intake Air Temp [Maximum / Minimum*]	°FDB	115 / 14
	Cooling Thermal Lock-out / Re-start Temperatures**	°FDB	-1 / 3
	Heating Intake Air Temp [Maximum / Minimum]	°FDB , °FWB / °FDB , °FWB	75 , 65 / -5 , -6
	Heating Thermal Lock-out / Re-start Temperatures**	°FDB	-14 / -4
Refrigerant	Type		R454B
	Pre-Charged Refrigerant Amount	lbs , oz	1 , 6
	Maximum Pre-Charged Piping Length	ft [m]	25 [7.50]
	Additional Refrigerant Charge Per Additional Piping Length	oz/ft	0.22
Piping	Liquid Pipe Size O.D. [Flared]	inch [mm]	1/4 [6.35]
	Gas Pipe Size O.D. [Flared]	inch [mm]	3/8 [9.52]
	Maximum Piping Length	ft [m]	65 [20]
	Maximum Height Difference	ft [m]	40 [12]
	Maximum Number of Bends		10

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OUTDOOR UNIT ACCESSORIES: MUZ-HX09NL

Air Outlet Guide	Air Outlet Guide	☐	MAC-881SG-E
Control/Service Tool	M- & P-Series Maintenance Tool Cable Set	☐	M21EC0397
	Maintenance Tool Interface	☐	PAC-USCMS-MN-1
Drain Socket	Drain Socket	☐	MAC-871DS
Hail Guards	Hail Guard	☐	HG-B4
Mini-Split Wire	14 Gauge 4 wire Armored MiniSplit Cable250 ft roll	☐	SW144-250
	14 Gauge 4 wire MiniSplit Cable50 ft roll	☐	S144-50
	14 Gauge 4 wire MiniSplit Cable250 ft roll	☐	S144-250
	14 Gauge 4 wire Armored MiniSplit Cable50 ft roll	☐	SW144-50
Mounting Pad	Condensing Unit Mounting Pad 16 x 36 x 3	☐	ULTRILITE1
Optional Defrost Heater	Base Heater	☐	MAC-650BH-U
Snow/Rain Diverter	SnowRain Diverter	☐	SRD-1
Stand	18 Single Fan Stand	☐	QSMS1801M
	Outdoor Unit 3-14 inch Mounting Base Pair - Plastic	☐	DSD-400P
	Condenser Wall Bracket	☐	QSWB2000M-1
	Condenser Wall Bracket - Stainless Steel Finish	☐	QSWBSS
	Outdoor Unit Stand 12 High	☐	QSMS1201M
	24 Single Fan Stand	☐	QSMS2401M
Notes			

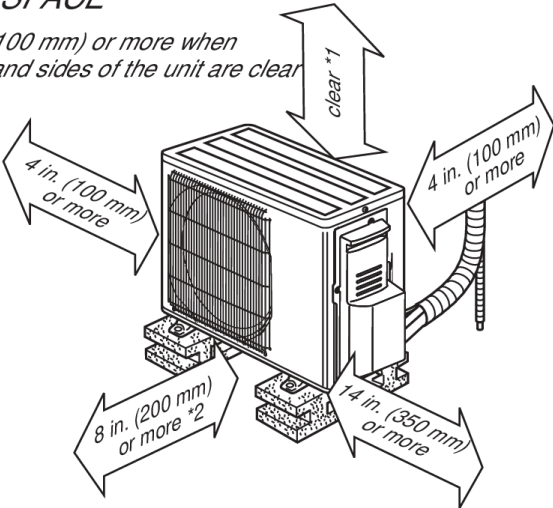
MSZ-HX09NL2-U1
MSZ-HX12NL2-U1



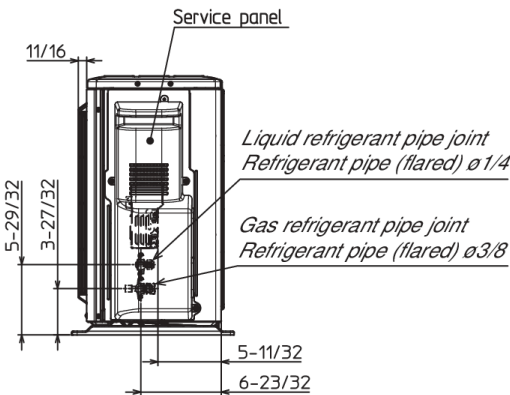
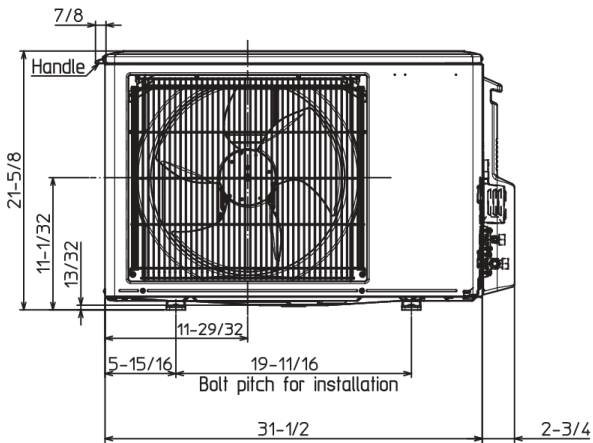
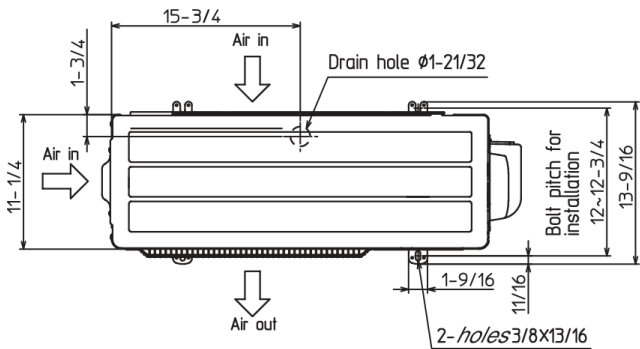
MUZ-HX09NL-U1
MUZ-HX12NL-U1

REQUIRED SPACE

*1 4 in. (100 mm) or more when
front and sides of the unit are clear



*2 When any 2 sides of left, right
and rear of the unit are clear



REFRIGERANT PIPE JOINT	LIQUID REFRIGERANT PIPE GAS REFRIGERANT PIPE	FLARED 1/4 FLARED 3/8
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1340 Satellite Boulevard Suwanee, GA 30024
Toll Free: 800-433-4822 · mitsubishicomfort.com

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