

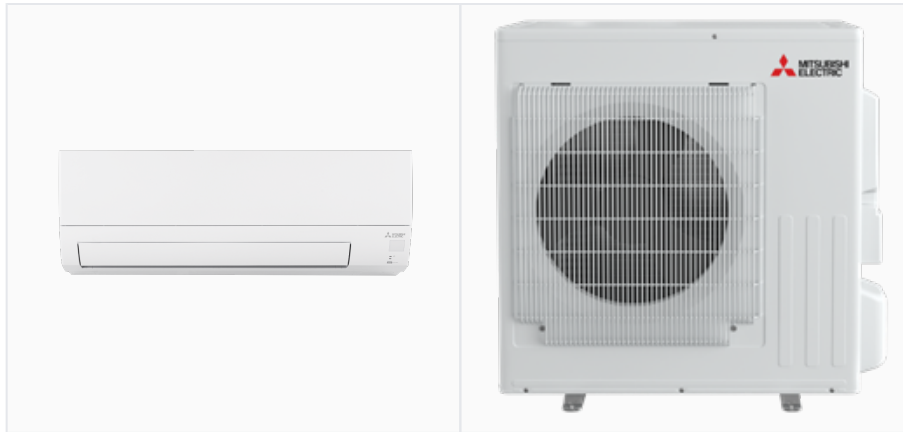
MSZ-HX24NL2 & MUZ-HX24NL
22,400 BTU/H WALL-MOUNTED INDOOR UNIT
22,400 BTU/H INVERTER HEAT PUMP OUTDOOR UNIT



Job Name:

System Reference:

Date:



INDOOR Unit ... MSZ-HX24NL2
OUTDOOR Unit ... MUZ-HX24NL

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-HX24NL2 & MUZ-HX24NL

Cooling at 95F ¹	Maximum Capacity	Btu/h	22400
	Rated Capacity	Btu/h	22400
	Minimum Capacity	Btu/h	5800
	Maximum Power Input	W	2200
	Rated Power Input	W	1910
	Moisture Removal	Pints/h	5.50
	Sensible Heat Factor		0.73
Heating at 47F ²	Power Factor [208V / 230V]	%	95 / 95
	Maximum Capacity	Btu/h	26000
	Rated Capacity	Btu/h	26000
	Minimum Capacity	Btu/h	6200
	Maximum Power Input	W	2500
	Rated Power Input	W	2500
Heating at 17F ³	Power Factor [208V / 230V]	%	97 / 97
	Maximum Capacity	Btu/h	18500
	Rated Capacity	Btu/h	17200
	Maximum Power Input	W	3060
Heating at 5F ⁵	Rated Power Input	W	1900
	Maximum Capacity	Btu/h	18200
Heating at -5F ⁷	Maximum Power Input	W	2960
	Maximum Capacity	Btu/h	17980
Efficiency	SEER2		20
	EER2 ¹		11.75
	HSPF2 [IV]		9.50
	COP at 47°F ²		3.05
	COP at 17°F at Maximum Capacity ³		1.76
	COP at 5°F at Maximum Capacity ⁵		1.80
	COP at -5°F at Maximum Capacity ⁷		1.74
Electrical	ENERGY STAR® Certified		Yes
	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	25
Indoor Unit	Recommended Wire Size [Indoor - Outdoor]	AWG	14
	MCA	A	1
	Breaker Size	A	-
	Fan Motor Output	W	40
	Fan Motor Type		DC Motor
	Airflow Rate at Cooling, Dry	CFM	341 , 428 , 537 , 664
	Airflow Rate at Cooling, Wet	CFM	306 , 385 , 484 , 597
	Airflow Rate at Heating, Dry	CFM	394 , 482 , 579 , 720
	Sound Pressure Level [Cooling]	dB (A)	33 , 38 , 44 , 50
	Sound Pressure Level [Heating]	dB (A)	34 , 39 , 44 , 50
	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]	36-5/16 x 10-7/8 x 12 [923 x 278 x 305]
	Package Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	39-1/2 x 15-1/4 x 14-1/4 [1000 x 390 x 360]
	Unit Weight	lbs [kg]	28 [12.50]
	Package Weight	lbs [kg]	33 [14.60]
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-HX24NL2 & MUZ-HX24NL

IDU Operating Temp. Range	Heating Intake Air Temp [Maximum / Minimum]	°FDB	80 / 70
Outdoor Unit	MCA	A	23
	MOCP	A	25
	Fan Motor Full Load Amperage	A	0.74
	Fan Motor Output	W	55
	Airflow Rate Cooling	CFM	2202
	Airflow Rate Heating	CFM	1934
	Defrost Method		Reverse Cycle
	Coating on Heat Exchanger (Bluefin, Sea Coast)		Yes , Yes
	Sound Pressure Level, Cooling ¹	dB (A)	54
	Sound Pressure Level, Heating ²	dB (A)	55
	Compressor Type		Twin Rotary
	Compressor Model		SRB172FQHMT
	Compressor Oil [Type // Charge]	// oz	RM68EH // 14.54
	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]	33-1/16 x 13 x 34-5/8 [840 x 330 x 880]
	Package Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	38-5/8 x 16-9/16 x 16-9/16 [980 x 420 x 1030]
	Unit Weight	lbs [kg]	115 [52.2]
	Package Weight	lbs [kg]	134 [60.9]
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	3
	Maximum Pre-Charged Piping Length	ft [m]	50 [15]
	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]	1/2 [12.72]
	Maximum Piping Length	ft [m]	100 [30]
	Maximum Height Difference	ft [m]	50 [15]
	Maximum Number of Bends		10

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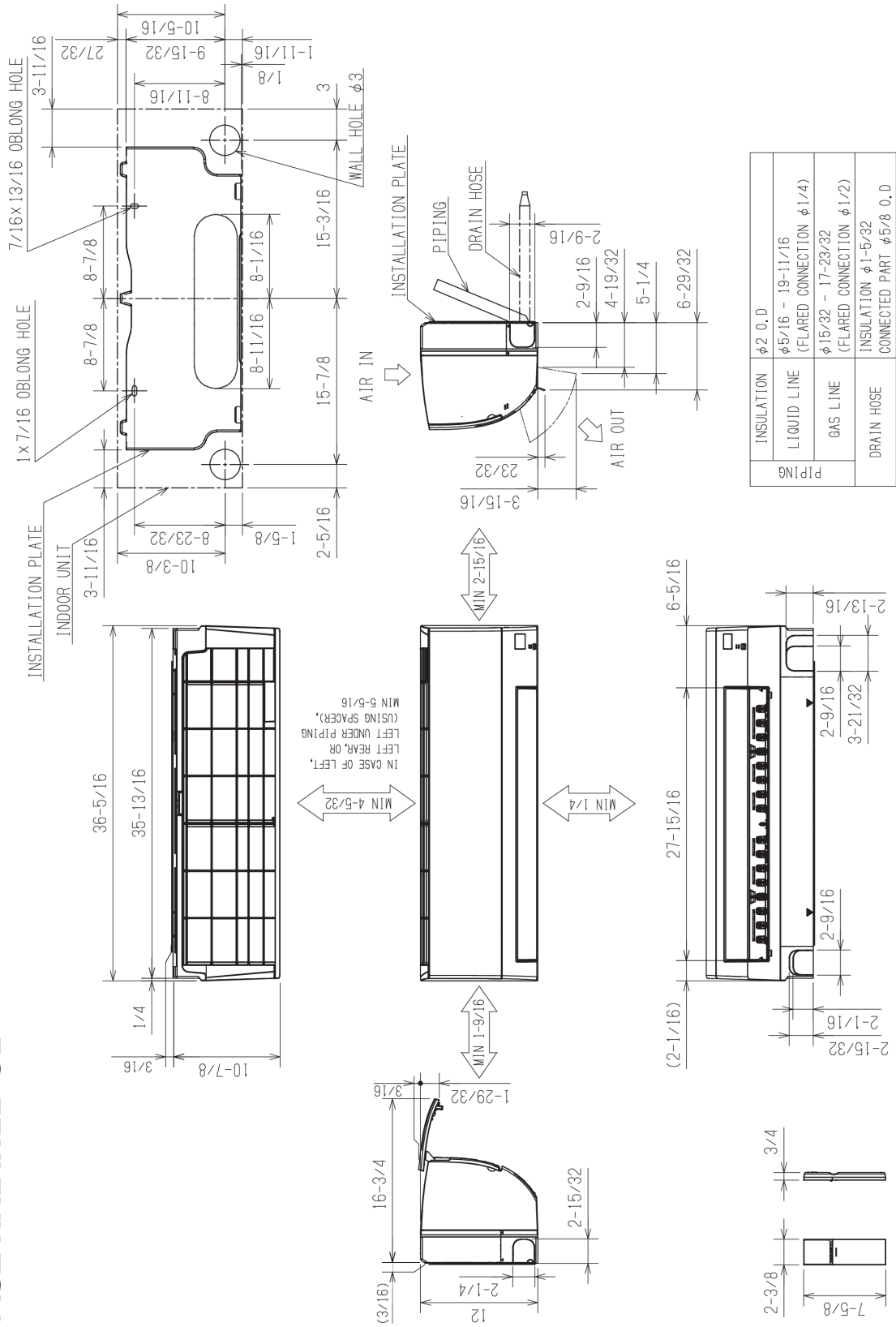
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OUTDOOR UNIT ACCESSORIES: MUZ-HX24NL

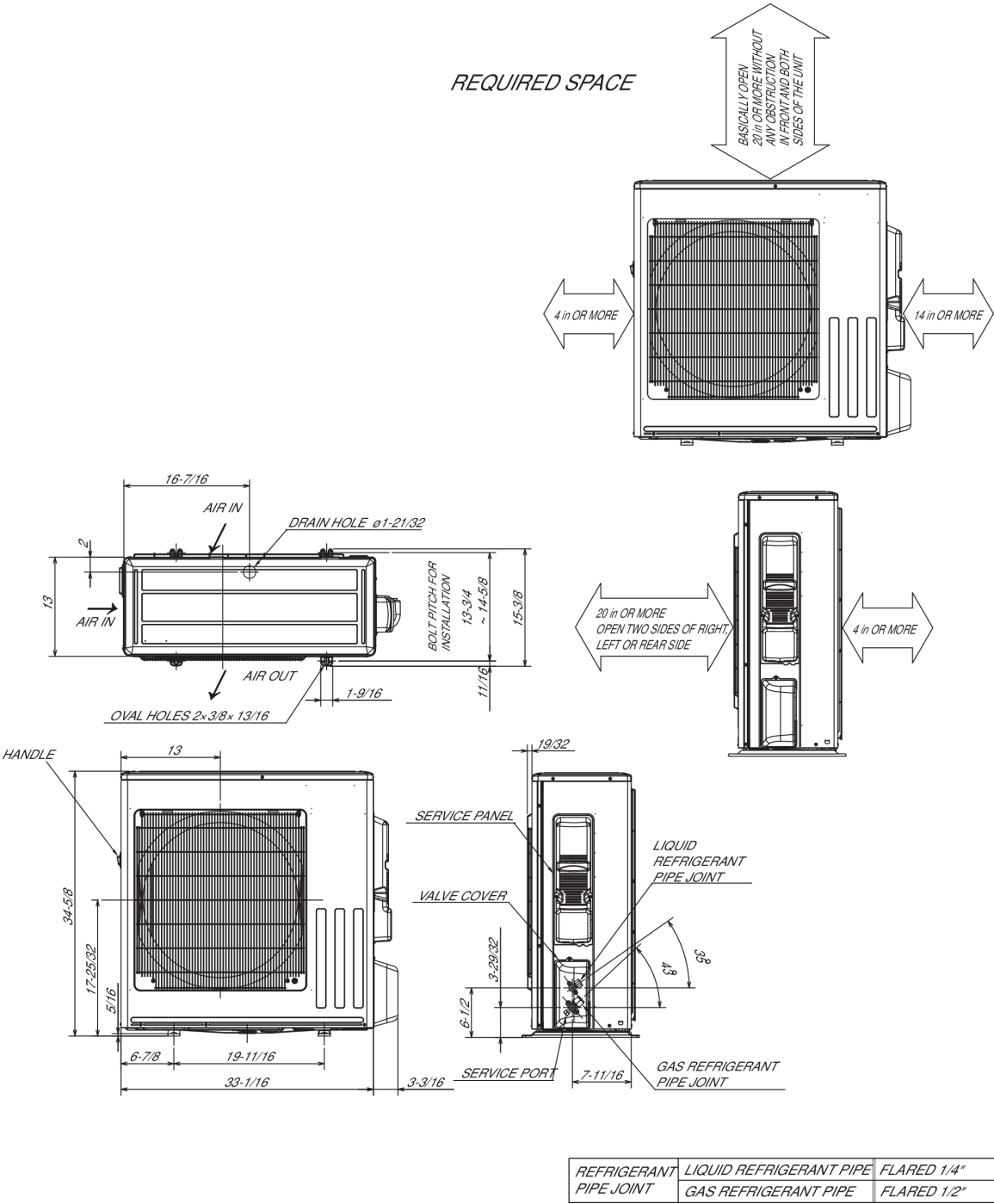
Air Outlet Guide	Air Outlet Guide	☐	MAC-890SG-E
Control/Service Tool	Maintenance Tool Interface	☐	PAC-USCMS-MN-1
	M- & P-Series Maintenance Tool Cable Set	☐	M21EC0397
Drain Socket	Drain Socket	☐	MAC-871DS
Hail Guards	Hail Guard	☐	HG-A7
Mini-Split Wire	16 Gauge 4 wire MiniSplit Cable50 ft roll	☐	S164-50
	16 Gauge 4 wire Armored MiniSplit Cable250 ft roll	☐	SW164-250
	16 Gauge 4 wire MiniSplit Cable250 ft roll	☐	S164-250
	14 Gauge 4 wire MiniSplit Cable50 ft roll	☐	S144-50
	16 Gauge 4 wire Armored MiniSplit Cable50 ft roll	☐	SW164-50
	14 Gauge 4 wire Armored MiniSplit Cable250 ft roll	☐	SW144-250
	14 Gauge 4 wire Armored MiniSplit Cable50 ft roll	☐	SW144-50
	14 Gauge 4 wire MiniSplit Cable250 ft roll	☐	S144-250
Mounting Pad	Condensing Unit Mounting Pad 16 x 36 x 3	☐	ULTRILITE1
Optional Defrost Heater	Base Heater	☐	MAC-660BH-U
Snow/Rain Diverter	SnowRain Diverter	☐	SRD-3
Stand	Condenser Wall Bracket	☐	QSWB2000M-1
	Outdoor Unit Stand 12 High	☐	QSMS1201M
	18 Single Fan Stand	☐	QSMS1801M
	Condenser Wall Bracket - Stainless Steel Finish	☐	QSWBSS
	24 Single Fan Stand	☐	QSMS2401M
	Outdoor Unit 3-14 inch Mounting Base Pair - Plastic	☐	DSD-400P
Notes			

MSZ-HX18NL2-U1
MSZ-HX24NL2-U1



OUTDOOR UNIT DIMENSIONS: MUZ-HX24NL

MUZ-HX24NL-U1



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