

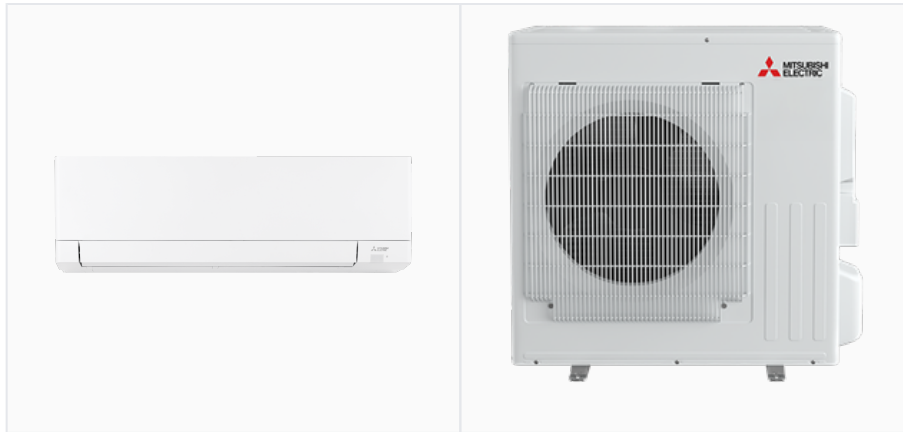
MSZ-GX24NL & MUZ-GX24NL
22,400 BTU/H WALL-MOUNTED INDOOR UNIT
22,400 BTU/H INVERTER HEAT PUMP OUTDOOR UNIT



Job Name:

System Reference:

Date:



INDOOR Unit ... MSZ-GX24NL

OUTDOOR Unit ... MUZ-GX24NL

INDOOR UNIT FEATURES

- 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.
- Swing Mode: An indoor unit with this capability can move air throughout the room like an oscillating fan.
- Econo Cool: Econo Cool is feature that temporarily adjusts the airflow to maintain comfort while using less energy.
- Quiet: Our indoor units offer whisper-quiet operation as low as 19 dB(A). Our outdoor units are design for ultra quiet operation.
- Horizontal Vane Control: Horizontal Vane Control allows the indoor unit vanes to be moved left right to provide even temperatures throughout a space.
- Wi-Fi Enabled: Wi-Fi enabled units pair with the Comfort app for complete control over temperature, fan speeds, modes, schedules, and more.

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: Designed to protect against the corrosive effects of environments that are in close proximity to the sea.

SPECIFICATIONS: MSZ-GX24NL & MUZ-GX24NL

Cooling at 95F ¹	Maximum Capacity	Btu/h	27000
	Rated Capacity	Btu/h	22400
	Minimum Capacity	Btu/h	7400
	Maximum Power Input	W	2890
	Rated Power Input	W	1720
	Moisture Removal	Pints/h	4.50
	Sensible Heat Factor		0.78
Heating at 47F ²	Power Factor [208V / 230V]	%	98 / 98
	Maximum Capacity	Btu/h	32000
	Rated Capacity	Btu/h	27600
	Minimum Capacity	Btu/h	6800
	Maximum Power Input	W	4000
	Rated Power Input	W	2340
Heating at 17F ³	Power Factor [208V / 230V]	%	95 / 95
	Maximum Capacity	Btu/h	24600
	Rated Capacity	Btu/h	19200
	Maximum Power Input	W	3110
Heating at 5F ⁵	Rated Power Input	W	2020
	Maximum Capacity	Btu/h	19400
Heating at -5F ⁷	Maximum Power Input	W	3150
Heating at -10F ⁸	Maximum Capacity	Btu/h	17100
	Maximum Capacity	Btu/h	15140
Efficiency	SEER2		21.50
	EER2 ¹		13
	HSPF2 [IV]		10.30
	COP at 47°F ²		3.46
	COP at 17°F at Maximum Capacity ³		2.30
	COP at 5°F at Maximum Capacity ⁵		1.80
	COP at -5°F at Maximum Capacity ⁷		2
	COP at -10°F at Maximum Capacity ⁸		1.88
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
	Recommended Wire Size [Indoor - Outdoor]	AWG	14
Indoor Unit	MCA	A	1
	Fan Motor Output	W	56
	Fan Motor Type		DC Motor
	Airflow Rate at Cooling, Dry	CFM	324 , 392 , 454 , 636 , 765
	Airflow Rate at Cooling, Wet	CFM	292 , 353 , 408 , 573 , 688
	Airflow Rate at Heating, Dry	CFM	344 , 392 , 454 , 530 , 765
	Sound Pressure Level [Cooling]	dB (A)	30 , 37 , 41 , 48 , 53
	Sound Pressure Level [Heating]	dB (A)	30 , 37 , 41 , 45 , 50
	Drain Pipe Size O.D.	inch [mm]	5/8 [15.88]
	Dual Barrier Coating on Heat Exchanger		Yes
	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]	43-5/16 x 10-1/8 x 12-13/16 [1100 x 257 x 325]
	Package Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	45-1/2 x 15-1/2 x 13-1/2 [1160 x 400 x 340]
	Unit Weight	lbs [kg]	37 [16.50]
	Package Weight	lbs [kg]	42 [18.80]
IDU Operating Temp. Range	Cooling Intake Air Temp [Maximum / Minimum]	deg F , deg F / deg F , deg F	90 , 73 / 67 , 57

Notes

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

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

⁸Heating at -10°F (Indoor // Outdoor) °F 70 DB, 60 WB // -10 DB, -11 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-GX24NL & MUZ-GX24NL

IDU Operating Temp. Range	Heating Intake Air Temp [Maximum / Minimum]	deg F	80 / 70
Outdoor Unit	MCA	A	23
	MOCP	A	25
	Fan Motor Full Load Amperage	A	0.76
	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)	55
	Sound Pressure Level, Heating ²	dB (A)	55
	Compressor Type		Twin Rotary
	Compressor Model		SRB172FQHMT
	Compressor Oil [Type // Charge]	// oz	RM68EH // 14.5
	External Finish Color		Munsell 3Y 7.8/1.1
	Base Pan Heater		Optional
ODU Operating Temp. Range	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]	38-3/4 x 16-3/4 x 40-3/4 [980 x 420 x 1030]
	Unit Weight	lbs [kg]	116 [52.30]
	Package Weight	lbs [kg]	135 [61.20]
Refrigerant	Cooling Intake Air Temp [Maximum / Minimum*]	F	115 / 14
	Cooling Thermal Lock-out / Re-start Temperatures**	F	-1 / 3
	Heating Intake Air Temp [Maximum / Minimum]	F , F / F , F	75 , 65 / -5 , -6
	Heating Thermal Lock-out / Re-start Temperatures**	F	-14 / -4
Piping	Type		R454B
	Pre-Charged Refrigerant Amount	lbs , oz	3 , 12
	Maximum Pre-Charged Piping Length	ft [m]	50 [15]
	Additional Refrigerant Charge Per Additional Piping Length	oz/ft	0.22
Piping	Gas Pipe Size O.D. [Flared]	inch [mm]	5/8 [15.88]
	Liquid Pipe Size O.D. [Flared]	inch [mm]	1/4 [6.35]
	Maximum Piping Length	ft [m]	100 [30]
	Maximum Height Difference	ft [m]	50 [15]
	Maximum Number of Bends		10

Notes

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*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.

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INDOOR UNIT ACCESSORIES: MSZ-GX24NL

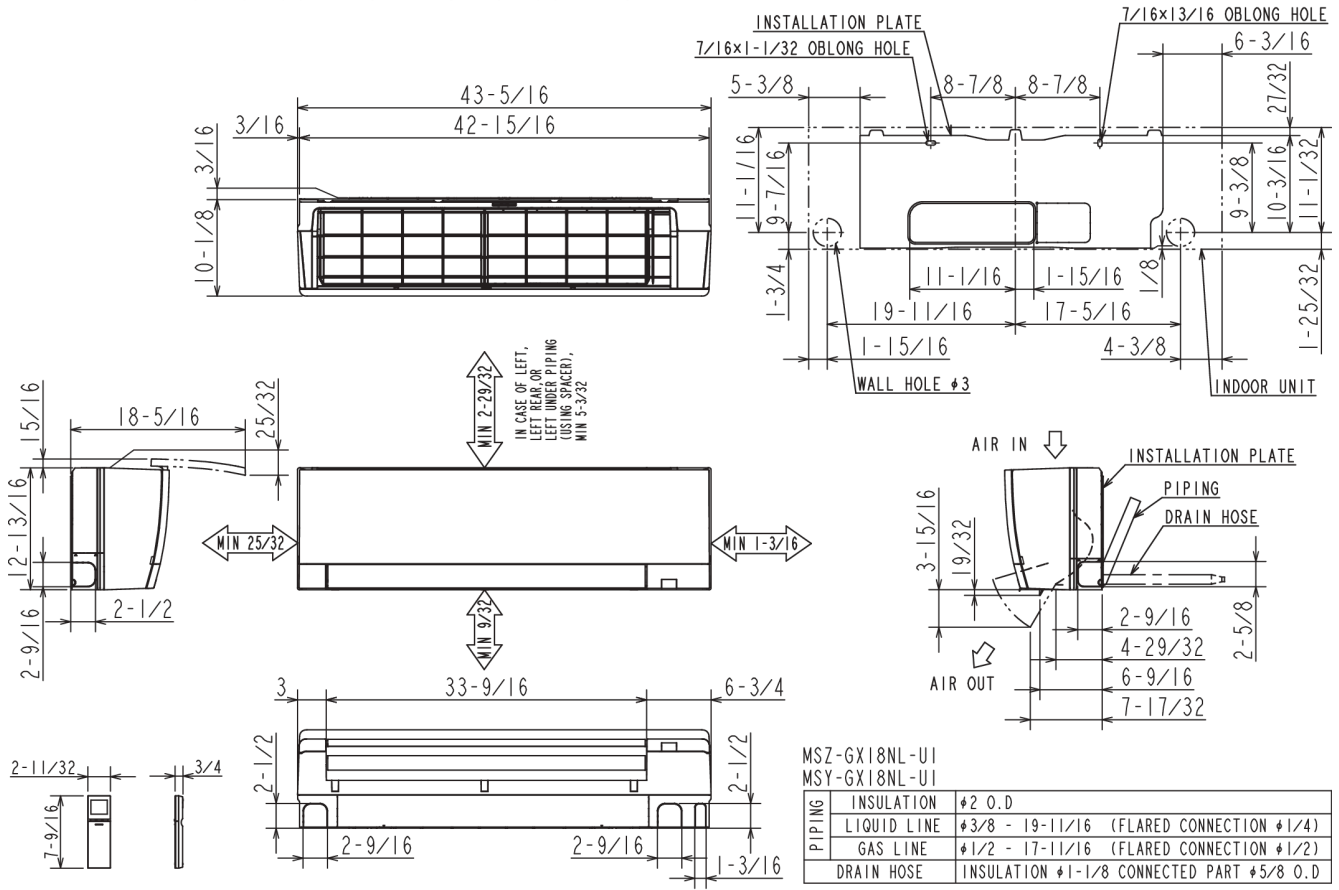
Condensate	Blue Diamond (MaxiBlue Advanced) Mini Condensate Pump w/ Reservoir & Sensor (110V) up to 48,000 BTU/H [recommended]	☐ X87-711
	Drain Pan Level Sensor/Control	☐ SS610E
	Blue Diamond Sensor Extension Cable 15 Ft	☐ C13-103
	Refco Condensate Removal Pump with Wall Mount Enclosure 120-240V up to 120k BTU/h	☐ GOBI-II
	Blue Diamond MegaBlue Condensate Pump with Reservoir Sensor 115-230V up to 170k BTU/h	☐ X87-835
	Sauermann Condensate Pump 120-230V up to 60k BTU/h	☐ SI30-230
	Blue Diamond MaxiBlue Condensate Pump with Reservoir Sensor 115-230V up to 48k BTU/h	☐ X88-721
	Refco Condensate Pump 100-240V up to 120k BTU/h	☐ COMBI
Control Interface	Wireless Interface 2 for Comfrot app	☐ PAC-USWHS002-WF-2
	IT Extender	☐ PAC-WHS01IE-E
	Thermostat Interface for 3rd Party Thermostats	☐ PAC-US445CN-1
	Procon BACnet® and Modbus® Interface	☐ PAC-UKPRC001-CN-1
	Airzone Wired Blueface Controller Black	☐ AZZBSBLUEZEROCN
	Airzone Wireless Lite Controller Black	☐ AZZBSLITERN
	Airzone Wireless Lite Controller White	☐ AZZBSLITERB
	Airzone Wireless Think Controller White	☐ AZZBSTHINKRB
	Airzone Wireless Think Controller Black	☐ AZZBSTHINKRN
	M-Net I/O Control Interface for M-Series ²	☐ MAC-334IF-E
	kumo station® for Comfort app	☐ PAC-WHS01HC-E
Disconnect Switch	30A600VUL fits 2 X 4 utility box - Black	☐ TAZ-MS303
	(30A/600V/UL) [fits 2" X 4" utility box] - White	☐ TAZ-MS303W
Drain Hose	Flexible Mini-Split Drain Hose	☐ DRX-16
Filter	Microparticle Filter	☐ MAC-EMF615FT-E
	Electro Static Anti-allergy Enzyme Filter	☐ MAC-2320FT-E
	Microparticle Filter	☐ MAC-EMF515FT-E
Lineset	1/4 x 5/8 Lineset Twin-Tube Insulation - 65 feet	☐ MLS145812T-65
	1/4 x 5/8 Lineset Twin-Tube Insulation - 30 feet	☐ MLS145812T-30
	1/4 x 5/8 Lineset Twin-Tube Insulation - 15 feet	☐ MLS145812T-15
	1/4 x 5/8 Lineset Twin-Tube Insulation - 100 feet	☐ MLS145812T-100
	1/4 x 5/8 Lineset Twin-Tube Insulation - 50 feet	☐ MLS145812T-50
N/A		☐ Unknown
Remote Sensor	Wireless temperature and humidity sensor for Comfort app	☐ PAC-USWHS003-TH-1
	Remote Temperature Sensor for MFZ MLZ and MSZ models	☐ M21EAA307
Terminal Signal Adapter	Backup Heat Relay Kit	☐ CN24RELAY-KIT-CM3
Wired Remote Controller	Simple Direct Wired Remote Controller	☐ PAC-SDW01RC-1
	Deluxe MA Wired Remote Controller ¹	☐ PAR-42MAAUB
	Touch MA Remote Controller ¹	☐ PAR-CT01MAU-SB
	Simple MA Remote Controller ¹	☐ PAC-YT53CRAU-J
Wireless Remote Controller	Wireless RedLINK™ Remote Controller	☐ MHK2
	Lockdown Bracket for Wireless Handheld Remote Controllers	☐ RCMKP1CB
Notes		

OUTDOOR UNIT ACCESSORIES: MUZ-GX24NL

Air Outlet Guide	Air Outlet Guide	☐	MAC-890SG-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-A7
Mini-Split Wire	16 Gauge 4 wire Armored MiniSplit Cable250 ft roll	☐	SW164-250
	14 Gauge 4 wire Armored MiniSplit Cable250 ft roll	☐	SW144-250
	16 Gauge 4 wire Armored MiniSplit Cable50 ft roll	☐	SW164-50
	14 Gauge 4 wire Armored MiniSplit Cable50 ft roll	☐	SW144-50
	14 Gauge 4 wire MiniSplit Cable50 ft roll	☐	S144-50
	16 Gauge 4 wire MiniSplit Cable50 ft roll	☐	S164-50
	16 Gauge 4 wire MiniSplit Cable250 ft roll	☐	S164-250
	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	18 Single Fan Stand	☐	QSMS1801M
	Outdoor Unit 3-14 inch Mounting Base Pair - Plastic	☐	DSD-400P
	Outdoor Unit Stand 12 High	☐	QSMS1201M
	24 Single Fan Stand	☐	QSMS2401M
	Condenser Wall Bracket - Stainless Steel Finish	☐	QSWBSS
	Condenser Wall Bracket	☐	QSWB2000M-1
Notes			

INDOOR UNIT DIMENSIONS: MSZ-GX24NL

MSZ-GX18NL-U1 MSY-GX18NL-U1
MSZ-GX24NL-U1 MSY-GX24NL-U1
MSZ-GX30NL-U1 MSY-GX30NL-U1
MSZ-GX36NL-U1 MSY-GX36NL-U1



MSZ-GX18NL-U1
MSY-GX18NL-U1

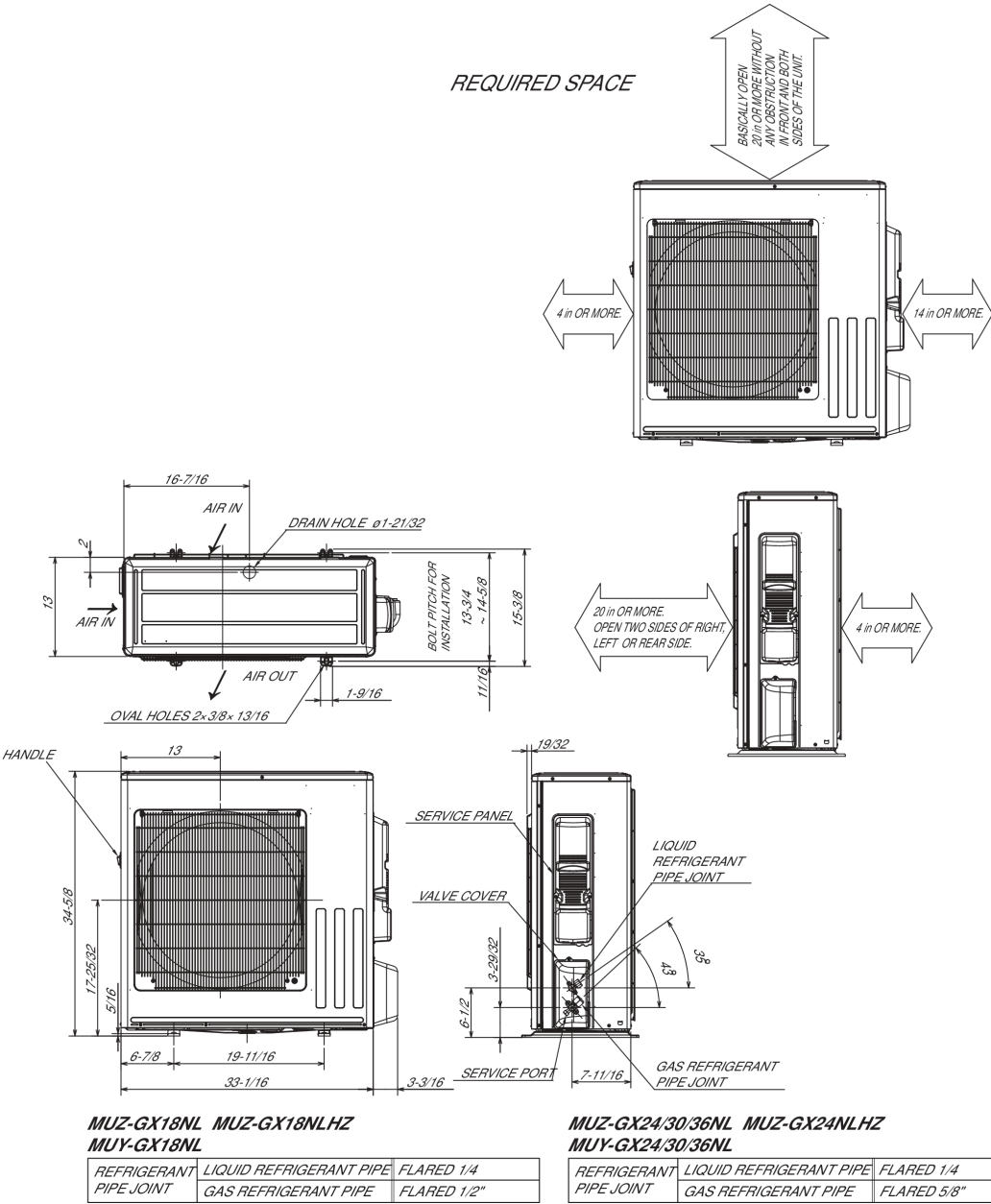
PIPING	INSULATION	#2 O.D
	LIQUID LINE	#3/8 - 19-11/16 (FLARED CONNECTION #1/4)
	GAS LINE	#1/2 - 17-11/16 (FLARED CONNECTION #1/2)
	DRAIN HOSE	INSULATION #1-1/8 CONNECTED PART #5/8 O.D

MSZ-GX24/30/36NL-U1
MSY-GX24/30/36NL-U1

PIPING	INSULATION	#2 O.D
	LIQUID LINE	#3/8 - 19-11/16 (FLARED CONNECTION #1/4)
	GAS LINE	#1/2 - 17-11/16 (FLARED CONNECTION #5/8)
	DRAIN HOSE	INSULATION #1-1/8 CONNECTED PART #5/8 O.D

OUTDOOR UNIT DIMENSIONS: MUZ-GX24NL

MUZ-GX18NL-U1 MUZ-GX30NL-U1
MUZ-GX24NL-U1 MUZ-GX36NL-U1
MUZ-GX18NLHZ-U1 MUY-GX30NL-U1
MUZ-GX24NLHZ-U1 MUY-GX36NL-U1
MUY-GX18NL-U1
MUY-GX24NL-U1



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