

MSY-GX12NL & MUY-GX12NL
12,000 BTU/H WALL-MOUNTED INDOOR UNIT
12,000 BTU/H INVERTER COOLING ONLY OUTDOOR UNIT



Job Name:

System Reference:

Date:



INDOOR Unit ... MSY-GX12NL

OUTDOOR Unit ... MUY-GX12NL

INDOOR UNIT FEATURES

- **Wi-Fi Enabled:** Wi-Fi enabled units pair with the Comfort app for complete control over temperature, fan speeds, modes, schedules, and more.
- **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.
- **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.
- **Econo Cool:** Econo Cool is feature that temporarily adjusts the airflow to maintain comfort while using less energy.
- **Self Clean Mode:** This mode helps to dry the components inside the indoor unit to prevent moisture build-up and odors.

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: MSY-GX12NL & MUY-GX12NL

Cooling at 95F ¹	Maximum Capacity	Btu/h	14000
	Rated Capacity	Btu/h	12000
	Minimum Capacity	Btu/h	1300
	Maximum Power Input	W	1490
	Rated Power Input	W	900
	Moisture Removal	Pints/h	2.50
	Sensible Heat Factor		0.77
	Power Factor [208V / 230V]	%	93 / 93
Efficiency	SEER2		25.60
	EER2 ¹		13.35
	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
	Fan Motor Output	W	30
	Fan Motor Type		DC Motor
	Airflow Rate at Cooling, Dry	CFM	151 , 172 , 256 , 353 , 448
	Airflow Rate at Cooling, Wet	CFM	136 , 154 , 230 , 318 , 403
	Sound Pressure Level [Cooling]	dB (A)	19 , 22 , 30 , 37 , 45
	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]	31-13/32 x 9-21/32 x 11-25/32 [798 x 245 x 299]
	Package Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	34-1/4 x 14-1/4 x 12-3/4 [870 x 360 x 320]
	Unit Weight	lbs [kg]	23 [10.40]
	Package Weight	lbs [kg]	27 [12]
IDU Operating Temp. Range	Cooling Intake Air Temp [Maximum / Minimum]	deg F , deg F / deg F , deg F	90 , 73 / 67 , 57
Outdoor Unit	MCA	A	12
	MOCP	A	15
	Fan Motor Full Load Amperage	A	0.71
	Fan Motor Output	W	55
	Airflow Rate Cooling	CFM	1152
	Defrost Method		Reverse Cycle
	Coating on Heat Exchanger (Bluefin, Sea Coast)		Yes , Yes
	Sound Pressure Level, Cooling ¹	dB (A)	49
	Compressor Type		Twin Rotary
	Compressor Model		SRB092FQFMC
	Compressor Oil [Type // Charge]	// oz	RM68EH // 11.8
	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 x 15 x 24-1/2 [940 x 380 x 630]
	Unit Weight	lbs [kg]	77 [34.60]
	Package Weight	lbs [kg]	84 [38]
ODU Operating Temp. Range	Cooling Intake Air Temp [Maximum / Minimum*]	F	115 / 14
	Cooling Thermal Lock-out / Re-start Temperatures**	F	-1 / 3
Refrigerant	Type		R454B
	Pre-Charged Refrigerant Amount	lbs , oz	2 , 0
	Maximum Pre-Charged Piping Length	ft [m]	25 [7.50]

Notes

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

*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):

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Refrigerant	Additional Refrigerant Charge Per Additional Piping Length	oz/ft	0.22
Piping	Gas Pipe Size O.D. [Flared]	inch [mm]	3/8 [9.52]
	Liquid Pipe Size O.D. [Flared]	inch [mm]	1/4 [6.35]
	Maximum Piping Length	ft [m]	65 [20]
	Maximum Height Difference	ft [m]	40 [12]
	Maximum Number of Bends		10
Notes ¹ Cooling (Indoor // Outdoor) °F 80 DB, 67 WB // 95 DB, 75 WB - test *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):			

INDOOR UNIT ACCESSORIES: MSY-GX12NL

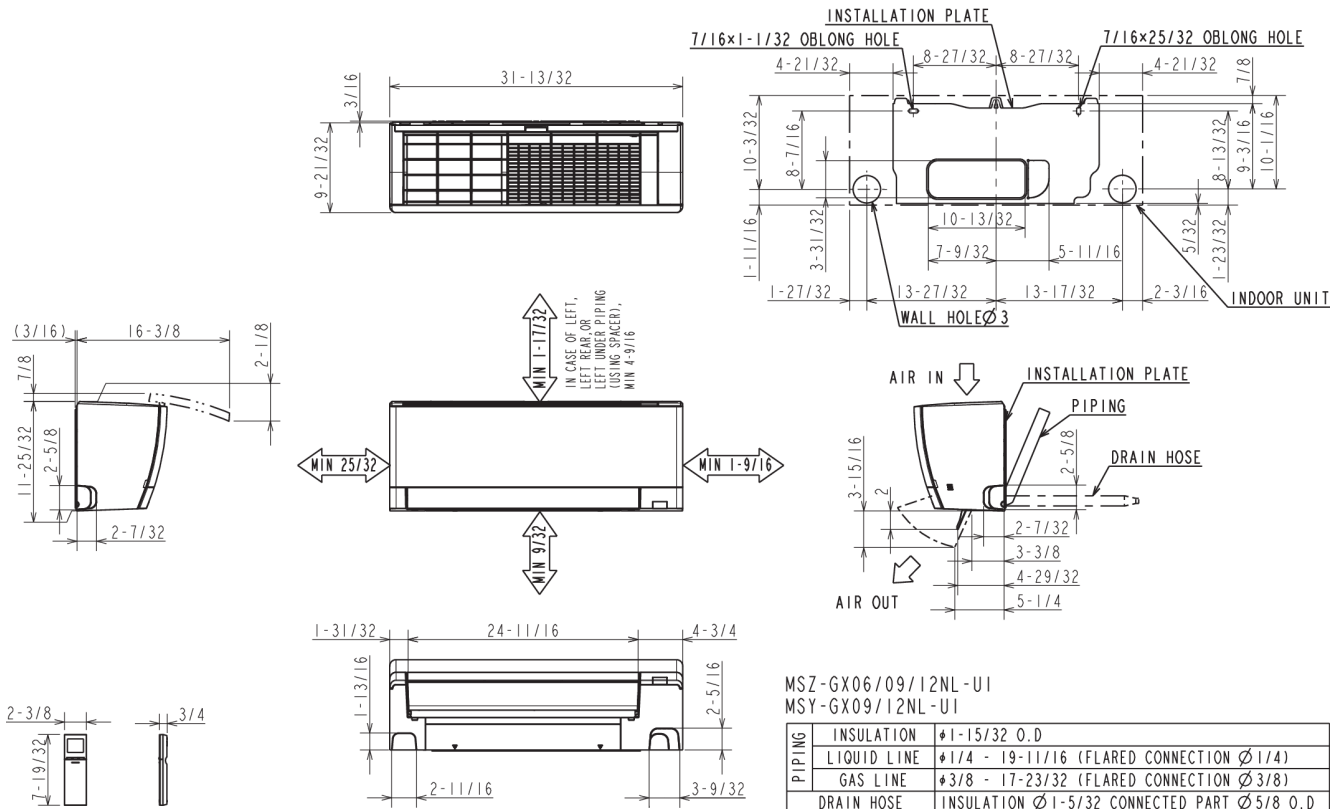
Condensate	Drain Pan Level Sensor/Control	☐ SS610E
	Refco Condensate Removal Pump with Wall Mount Enclosure 120-240V up to 120k BTU/h	☐ GOBI-II
	Blue Diamond (MaxiBlue Advanced) Mini Condensate Pump w/ Reservoir & Sensor (110V) up to 48,000 BTU/H [recommended]	☐ X87-711
	Refco Condensate Pump 100-240V up to 120k BTU/h	☐ COMBI
	Blue Diamond MaxiBlue Condensate Pump with Reservoir Sensor 115-230V up to 48k BTU/h	☐ X88-721
	Sauermann Condensate Pump 120-230V up to 60k BTU/h	☐ SI30-230
	Blue Diamond MegaBlue Condensate Pump with Reservoir Sensor 115-230V up to 170k BTU/h	☐ X87-835
	Blue Diamond Sensor Extension Cable 15 Ft	☐ C13-103
	Blue Diamond MicroBlue Condensate Pump with Fascia Kit 115-230V up to 18k BTU/h	☐ X86-011
	Blue Diamond MicroBlue Condensate Pump 115-230V up to 18k BTU/h	☐ X86-003
Control Interface	Procon BACnet® and Modbus® Interface	☐ PAC-UKPRC001-CN-1
	Airzone Wireless Think Controller Black	☐ AZZBSTHINKRN
	Airzone Wireless Lite Controller Black	☐ AZZBSLITERN
	Wireless Interface 2 for Comfrot app	☐ PAC-USWHS002-WF-2
	Airzone Wireless Lite Controller White	☐ AZZBSLITERB
	IT Extender	☐ PAC-WHS01IE-E
	Thermostat Interface for 3rd Party Thermostats	☐ PAC-US445CN-1
	Airzone Wired Blueface Controller White	☐ AZZBSBLUEZEROCB
	M-Net I/O Control Interface for M-Series ²	☐ MAC-334IF-E
	Airzone Wired Blueface Controller Black	☐ AZZBSBLUEZEROCN
	kumo station® for Comfort app	☐ PAC-WHS01HC-E
	Airzone Wireless Think Controller White	☐ AZZBSTHINKRB
Disconnect Switch	(30A/600V/UL) [fits 2" X 4" utility box] - White	☐ TAZ-MS303W
	30A600VUL fits 2 X 4 utility box - Black	☐ TAZ-MS303
Drain Hose	Flexible Mini-Split Drain Hose	☐ DRX-16
Filter	Microparticle Filter	☐ MAC-EMF515FT-E
	Electro Static Anti-allergy Enzyme Filter	☐ MAC-2320FT-E
Lineset	65 x 1/4 x 65 3/8 Lineset Twin-Tube Insulation	☐ MLS143812T-65
	15 x 1/4 x 15 3/8 Lineset Twin-Tube Insulation	☐ MLS143812T-15
	30 x 1/4 x 30 3/8 Lineset Twin-Tube Insulation	☐ MLS143812T-30
	50 x 1/4 x 50 3/8 Lineset Twin-Tube Insulation	☐ MLS143812T-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 MA Remote Controller ¹	☐ PAC-YT53CRAU-J
	Touch MA Remote Controller ¹	☐ PAR-CT01MAU-SB
	Simple Direct Wired Remote Controller	☐ PAC-SDW01RC-1
	Deluxe MA Wired Remote Controller ¹	☐ PAR-42MAAUB
Wireless Remote Controller	Lockdown Bracket for Wireless Handheld Remote Controllers	☐ RCMKP1CB
	Wireless RedLINK™ Remote Controller	☐ MHK2
Notes		

OUTDOOR UNIT ACCESSORIES: MUY-GX12NL

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 Cable250 ft roll	☐	S144-250
	14 Gauge 4 wire MiniSplit Cable50 ft roll	☐	S144-50
	14 Gauge 4 wire Armored MiniSplit Cable50 ft roll	☐	SW144-50
Mounting Pad	Condensing Unit Mounting Pad 16 x 36 x 3	☐	ULTRILITE1
Snow/Rain Diverter	SnowRain Diverter	☐	SRD-1
Stand	Outdoor Unit Stand 12 High	☐	QSMS1201M
	Condenser Wall Bracket - Stainless Steel Finish	☐	QSWBSS
	24 Single Fan Stand	☐	QSMS2401M
	Condenser Wall Bracket	☐	QSWB2000M-1
	18 Single Fan Stand	☐	QSMS1801M
	Outdoor Unit 3-14 inch Mounting Base Pair - Plastic	☐	DSD-400P
Notes			

INDOOR UNIT DIMENSIONS: MSY-GX12NL

MSZ-GX06NL MSZ-GX09NL MSZ-GX12NL MSZ-GX15NL
MSY-GX09NL MSY-GX12NL MSY-GX15NL



MSZ-GX15NL-UI
 MSY-GX15NL-UI

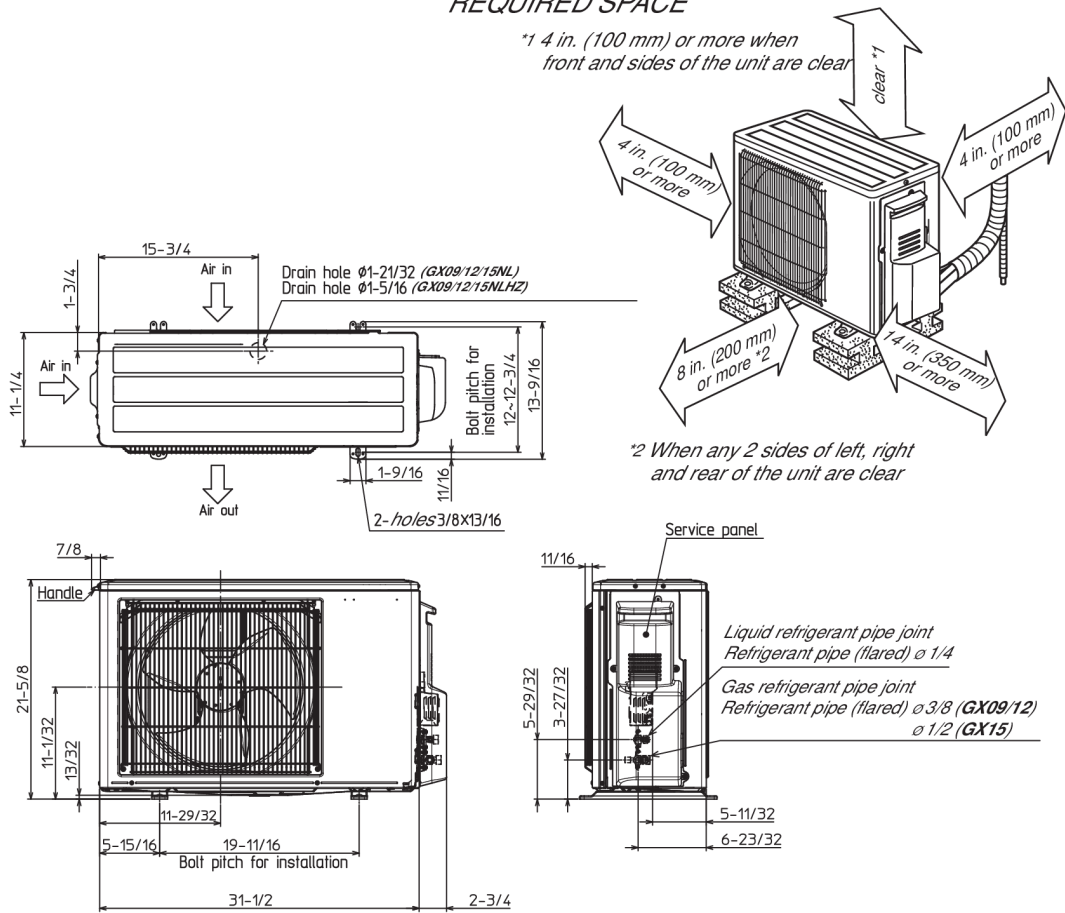
PIPING	INSULATION	1/2" O.D.
	LIQUID LINE	1/4" - 19-11/16" (FLARED CONNECTION 1/4")
	GAS LINE	3/8" - 17-23/32" (FLARED CONNECTION 1/2")
	DRAIN HOSE	INSULATION 1/2" O.D. CONNECTED PART 5/8" O.D.

OUTDOOR UNIT DIMENSIONS: MUY-GX12NL

MUZ-GX09NL-U1
MUZ-GX12NL-U1
MUZ-GX15NL-U1
MUZ-GX09NLHZ-U1
MUZ-GX12NLHZ-U1
MUZ-GX15NLHZ-U1
MUY-GX09NL-U1
MUY-GX12NL-U1
MUY-GX15NL-U1

REQUIRED SPACE

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



MUZ-GX09/12NL MUZ-GX09/12NLHZ
MUY-GX09/12NL

REFRIGERANT PIPE JOINT	LIQUID REFRIGERANT PIPE	FLARED 1/4
	GAS REFRIGERANT PIPE	FLARED 3/8"

MUZ-GX15NL MUZ-GX15NLHZ
MUY-GX15NL

REFRIGERANT PIPE JOINT	LIQUID REFRIGERANT PIPE	FLARED 1/4
	GAS REFRIGERANT PIPE	FLARED 1/2"

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