

# Submittal Data: MSZ-GX12NL MUZ-GX12NLHZ2

Job Name:	
Purchaser:	
Submitted To:	
Date:	

Location:	
Submitted By:	
Engineer:	
Application:	

Reference    Approval    Construction



## Basic product info.

IDU Model Number	MSZ-GX12NL
ODU Model Number	MUZ-GX12NLHZ2
AHRI Certificate	216801489

## Performance: Cooling at 95F (35C)

Cooling 95F Maximum Capacity	14000	Btu/h
Cooling 95F Rated Capacity	12000	Btu/h
Cooling 95F Minimum Capacity	1300	Btu/h
Cooling Maximum Power Input	1910	W
Cooling Rated Power Input	900	W
Cooling Minimum Power Input	180	W
Moisture removal at AHRI Cooling Rating Conditions	2.4	Pints/h
Sensible Heat Factor at AHRI Cooling Rating Conditions	0.78	-

## Performance: Heating at 47F (8.3C)

Heating 47F Maximum Capacity	17500	Btu/h
Heating 47F Rated Capacity	12300	Btu/h
Heating 47F Minimum Capacity	3300	Btu/h
Heating 47F Maximum Power Input	2500	W
Heating 47F Rated Power Input	920	W
Heating 47F Minimum Power Input	250	W
COP 47F at Rated Condition	3.9	

## Performance: Heating at 17F (-8.3C)

Heating 17F Maximum Capacity	16000	Btu/h
Heating 17F Rated Capacity	7600	Btu/h
Heating 17F Minimum Capacity	2210	Btu/h
Heating 17F Maximum Power Input	2530	W
Heating 17F Rated Power Input	820	W
Heating 17F Minimum Power Input	350	W
COP 17F at Maximum capacity	1.84	
COP 17F at Rated Condition	2.7	

## Performance: Heating at 5F (-15C)

Heating 5F Maximum Capacity (H4Full)	12300	Btu/h
Heating 5F Rated Capacity (H4Full)	5840	Btu/h
Heating 5F Minimum Capacity (H4Full)	1700	Btu/h
Heating 5F Maximum Power Input (H4Full)	2000	W
Heating 5F Rated Power Input (H4Full)	520	W
Heating 5F Minimum Power Input (H4Full)	350	W
COP 5F at Maximum capacity (H4Full)	1.8	

## Performance: Heating at -5F (-20.6C)

Heating -5F Maximum Capacity	9540	Btu/h
Heating -5F Minimum Capacity	1310	Btu/h
Heating -5F Maximum Power Input	2550	W
Heating -5F Minimum Power Input	350	W
COP -5F at Maximum Capacity	1.08	

## Performance: Heating at -10F (-23.3C)

Heating -10F Maximum Capacity	8160	Btu/h
Heating -10F Minimum Capacity	1130	Btu/h
Heating -10F Maximum Power Input	2560	W
Heating -10F Minimum Power Input	350	W

**ODU Operating Temp. Range**

Cooling Thermal Re-start Temp	3	
Cooling Thermal Lock-out Temp	-1	
Heating Thermal Re-start Temp	-23	
Heating Thermal Lock-out Temp	-34	
Cooling Thermal Re-start Temp (C)	-16.3	C
Cooling Thermal Re-start Temp (F)	3 / -16.1	F° / C°
Cooling Thermal Lock-out Temp (C)	-18.5	C
Cooling Thermal Lock-out Temp (F)	-1 / -18.3	F° / C°
Heating Thermal Re-start Temp (C)	-30.3	C
Heating Thermal Re-start Temp (F)	-23 / -30.6	F° / C°
Heating Thermal Lock-out Temp (C)	-36.7	C
Heating Thermal Lock-out Temp (F)	-34 / -36.7	F° / C°

**Rebates**

Energy Star 6.1 Certified	Yes	
Energy Star 6.1 Cold Climate Certified	Yes	
NEEP Certification	Yes	

**Efficiency**

SEER2	25.6	
EER2	13.35	
HSPF2 (IV)	10	
HSPF2 (V)	9.8	

**Electrical**

Rated Voltage (Min)	208	V AC
Rated Voltage (Max)	230	V AC
Phase	1	
Short-circuit Current Rating (SCCR)	5	kA
Recommended Fuse/Breaker Size	20	
ODU Minimum Circuit Ampacity (MCA)	16	A
ODU Maximum Over Current Protection (MOCP) = MOP = Maximum Fuse	28	A
IDU Minimum Circuit Ampacity (MCA) if Powered Separate	1	A

**Indoor Unit**

IDU Airflow Rate at Cooling, Dry 1	151	CFM
IDU Airflow Rate at Cooling, Dry 2	172	CFM
IDU Airflow Rate at Cooling, Dry 3	256	CFM
IDU Airflow Rate at Cooling, Dry 4	353	CFM
IDU Airflow Rate at Cooling, Dry 5	448	CFM
IDU Airflow Rate at Cooling, Wet 1	136	CFM
IDU Airflow Rate at Cooling, Wet 2	154	CFM
IDU Airflow Rate at Cooling, Wet 3	230	CFM
IDU Airflow Rate at Cooling, Wet 4	318	CFM
IDU Airflow Rate at Cooling, Wet 5	403	CFM
IDU Airflow Rate at Heating 2	172	CFM
IDU Airflow Rate at Heating 3	256	CFM
IDU Airflow Rate at Heating 4	353	CFM
IDU Airflow Rate at Heating 5	448	CFM
IDU SPL at Cooling 4	37	dB (A)
IDU SPL at Heating 5	43	dB (A)
External Finish (Munsell No. in case painting)	Munsell 0.7PB 9.2/0.4	
IDU Unit Dimension D	9 11/16	inch
IDU Unit Dimension H	11 13/16	inch
IDU Unit Weight	23	lbs
Drain Pipe Size (Outer size)	11/16	inch
IDU Airflow Rate at Heating 1	151	CFM
IDU Unit Dimension W	31 7/16	inch

**Outdoor Unit**

ODU Fan Motor Full Load Amperage (FLA) (if data available)	0.71	A
ODU Fan Motor Output	0.1	HP
Base Pan Heater installed (Built-in or Optional)	Built-in	
ODU Unit Dimension W	31 8/16	inch
ODU Unit Dimension D	11 4/16	inch
ODU Unit Dimension H	21 5/8	inch
ODU Unit Weight	82	lbs

**Piping**

Gas Pipe Size O.D. [Flared]	3/8	inch
Liquid Pipe Size O.D. [Flared]	1/4	inch
Maximum Piping Length	65	ft
Maximum Height Difference	40	ft

**Refrigerant**

Refrigerant Type	R454B	
Pre-charged Refrigerant Amount	36	oz
Maximum Pre-charged Piping Length	25	ft
Pre-charged Refrigerant Amount (lbs)	2	
Pre-charged Refrigerant Amount (oz)	4	

**Accessories**

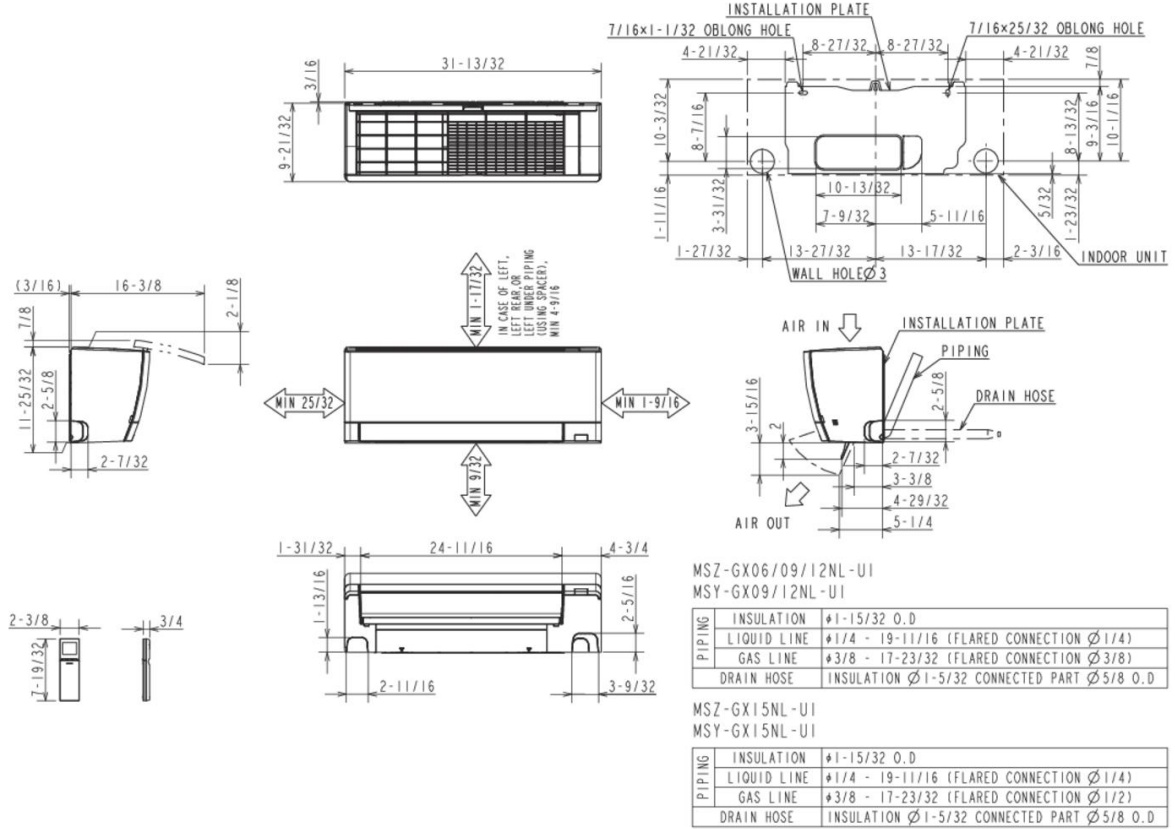
Handheld Remote Controller English	MAC-FL111M-E	
Handheld Remote Controller French	MAC-FL211M-E	
Wall Mount controller	PAR-42MAACAB (REQUIRES SYSTEM INTERFACE)	
Simple Wall MA Controller	PAC-YT53CRAU-J	
Simple CN105 Controller	PAC-SDW01	
Microparticle Catching Filter	MAC-EMF515T-E	
Electrostatic Anti-allergy Enzyme Filter	MAC-2320FT	
System Interface (Full Control)	MAC-334IF-E	
System Interface (Functional Control)	MAC-497IF-E	
NA T-STAT interface	RMF-CA200	
NA T-STAT Interface	RMF-CA200	

AHRI Rated Conditions (Rated data is determined at a fixed compressor speed) (\* Windscreens required for cooling operations below 23°F (-5°C))

- <sup>1</sup> Cooling (Indoor // Outdoor) 80°F (26.6°C) DB, 67°F (19.4°C) WB // 95°F (35°C) DB, 75°F (23.9°C) WB
- <sup>2</sup> Heating at 47°F (8.3°C) (Indoor // Outdoor) 70°F (21.1°C) DB, 60°F (15.6°C) WB // 47°F (8.3°C) DB, 43°F (6.1°C) WB
- <sup>3</sup> Heating at 17°F (-8.3°C) (Indoor // Outdoor) 70°F (21.1°C) DB, 60°F (15.6°C) WB // 17°F (-8.3°C) DB, 15°F (-9.4°C) WB
- tHeating at 5°F (-15°C) (Indoor // Outdoor) 70°F (21.1°C) DB, 60°F (15.6°C) WB // 5°F (-15°C) DB, 4°F (-15.6°C) WB
- uHeating at -4°F (-20°C) (Indoor // Outdoor) 70°F (21.1°C) DB, 60°F (15.6°C) WB // -4°F (-20°C) DB, -15°F (-26.1°C) WB

**MSZ-GX12NL**

**Unit: inch**

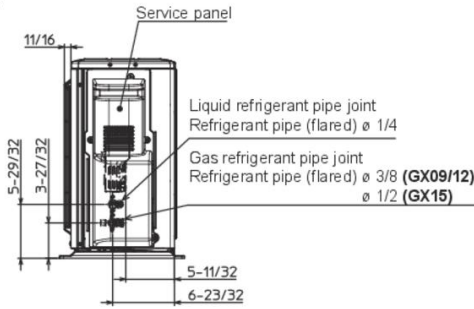
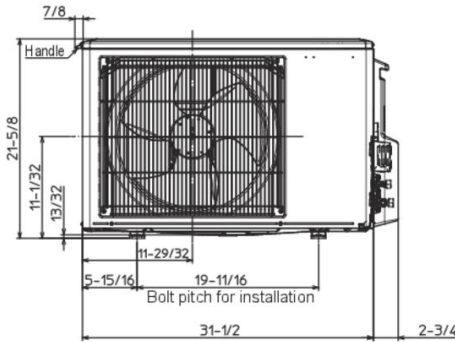
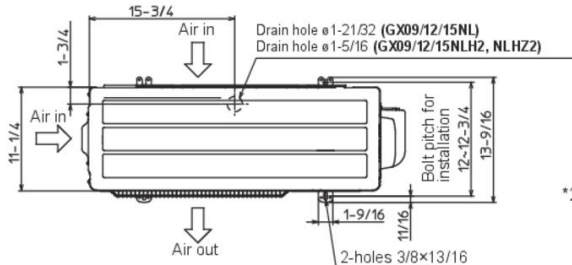
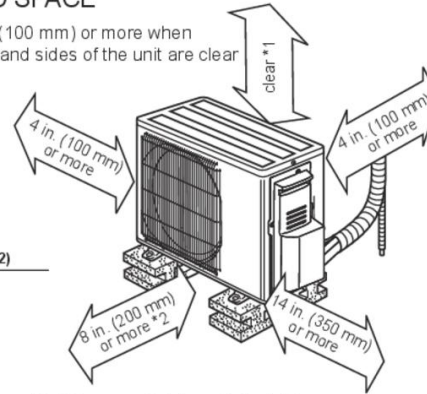


**MUZ-GX12NLHZ2**

Unit: inch

**REQUIRED SPACE**

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



**MUZ-GX09/12NLH2 MUZ-GX09/12NLHZ2**  
**MUY-GX09/12NL**

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

**MUZ-GX15NLH2 MUZ-GX15NLHZ2**  
**MUY-GX15NL**

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