

Job Name:	
Purchaser:	
Submitted To:	
Date:	

Location:	
Submitted By:	
Engineer:	
Application:	

Reference Approval Construction



Basic product info.

IDU Model Number	MSZ-GX09NL
ODU Model Number	MUZ-GX09NLHZ2
AHRI Certificate	216801488

Performance: Cooling at 95F (35C)

Cooling 95F Maximum Capacity	12200	Btu/h
Cooling 95F Rated Capacity	9000	Btu/h
Cooling 95F Minimum Capacity	3200	Btu/h
Cooling Minimum Power Input	210	W
Moisture removal at AHRI Cooling Rating Conditions	0.8	Pints/h
Sensible Heat Factor at AHRI Cooling Rating Conditions	0.9	-
Cooling Maximum Power Input	1050	W
Cooling Rated Power Input	585	W

Performance: Heating at 47F (8.3C)

Heating 47F Maximum Capacity	13700	Btu/h
Heating 47F Rated Capacity	9600	Btu/h
Heating 47F Minimum Capacity	3300	Btu/h
Heating 47F Maximum Power Input	1750	W
Heating 47F Rated Power Input	580	W
Heating 47F Minimum Power Input	170	W
COP 47F at Rated Condition	4.84	

Performance: Heating at 17F (-8.3C)

Heating 17F Maximum Capacity	11500	Btu/h
Heating 17F Rated Capacity	5900	Btu/h
Heating 17F Minimum Capacity	1030	Btu/h
Heating 17F Maximum Power Input	1410	W
Heating 17F Rated Power Input	650	W
Heating 17F Minimum Power Input	130	W
COP 17F at Maximum capacity	2.38	
COP 17F at Rated Condition	2.66	

Performance: Heating at 5F (-15C)

Heating 5F Maximum Capacity (H4Full)	9600	Btu/h
Heating 5F Rated Capacity (H4Full)	4560	Btu/h
Heating 5F Minimum Capacity (H4Full)	860	Btu/h
Heating 5F Maximum Power Input (H4Full)	1560	W
Heating 5F Rated Power Input (H4Full)	330	W
Heating 5F Minimum Power Input (H4Full)	110	W
COP 5F at Maximum capacity (H4Full)	1.8	

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

Heating -5F Maximum Capacity	8180	Btu/h
Heating -5F Minimum Capacity	730	Btu/h
Heating -5F Maximum Power Input	1170	W
Heating -5F Minimum Power Input	100	W
COP -5F at Maximum Capacity	2.04	

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

Heating -10F Maximum Capacity	7450	Btu/h
Heating -10F Minimum Capacity	670	Btu/h
Heating -10F Maximum Power Input	1120	W
Heating -10F Minimum Power Input	100	W

ODU Operating Temp. Range

Heating Thermal Re-start Temp	-23	
Heating Thermal Lock-out Temp	-34	
Cooling Thermal Re-start Temp	3	
Cooling Thermal Lock-out Temp	-1	
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 (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°
Cooling Thermal Re-start Temp (C)	-16.3	C
Heating Thermal Re-start Temp (C)	-30.3	C

Rebates

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

Efficiency

SEER2	28.4	
EER2	15.4	
HSPF2 (IV)	10.2	
HSPF2 (V)	10	

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	15	
ODU Minimum Circuit Ampacity (MCA)	12	A
ODU Maximum Over Current Protection (MOCP) = MOP = Maximum Fuse	21	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 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 1	151	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 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 H	11 13/16	inch
IDU Unit Weight	23	lbs
IDU Unit Dimension D	9 11/16	inch
IDU Airflow Rate at Cooling, Wet 1	136	CFM
IDU Airflow Rate at Heating 5	448	CFM
Drain Pipe Size (Outer size)	1 1/16	inch
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	77	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	31.7	oz
Maximum Pre-charged Piping Length	25	ft
Pre-charged Refrigerant Amount (lbs)	2	

Accessories

Handheld Remote Controller English	MAC-FL111M-E	
Handheld Remote Controller French	MAC-FL211M-E	
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	
Wall Mount controller	PAR-42MAACAB (REQUIRES SYSTEM INTERFACE)	
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))

¹ 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

² 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

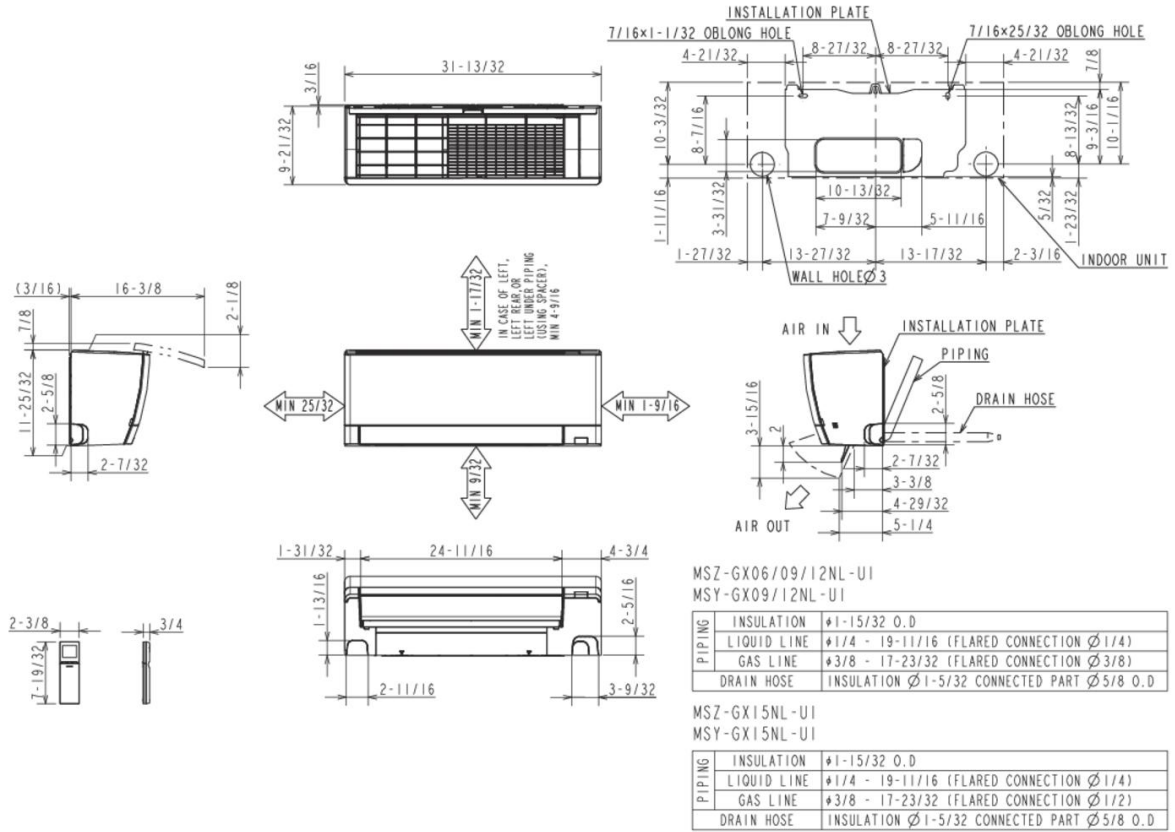
³ Heating at 17°F (-8.3°C) (Indoor // Outdoor) 70°F (21.1°C) DB, 60°F (15.6°C) WB // 17°F (-8.3°C) DB, 15°F (-9.4°C) WB

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-GX09NL

Unit: inch

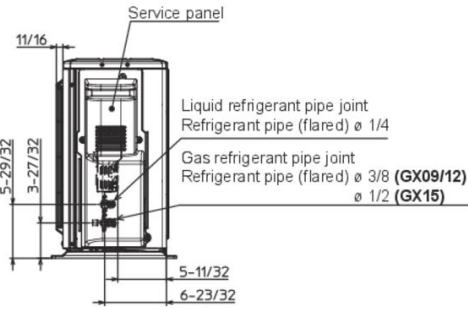
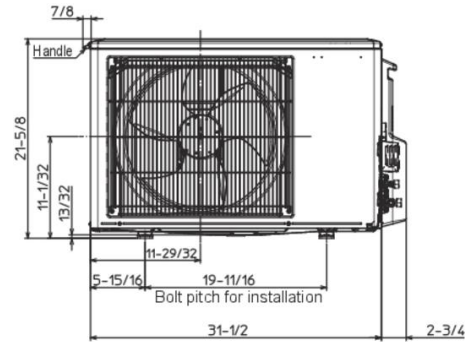
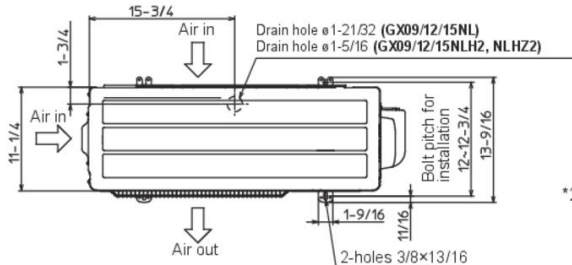
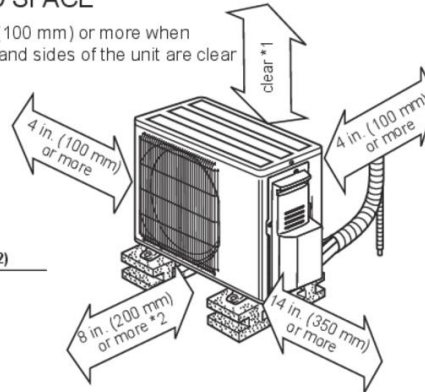


MUZ-GX09NLHZ2

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"