

Job Name:	
Purchaser:	
Submitted To:	
Date:	

Location:	
Submitted By:	
Engineer:	
Application:	

Reference Approval Construction



Basic product info.

IDU Model Number	MSZ-GX18NL
ODU Model Number	MUZ-GX18NLHZ2
AHRI Certificate	216801491

Performance: Cooling at 95F (35C)

Cooling 95F Maximum Capacity	22000	Btu/h
Cooling 95F Rated Capacity	18000	Btu/h
Cooling 95F Minimum Capacity	5200	Btu/h
Cooling Maximum Power Input	2150	W
Cooling Rated Power Input	1280	W
Cooling Minimum Power Input	340	W
Moisture removal at AHRI Cooling Rating Conditions	3.4	Pints/h
Sensible Heat Factor at AHRI Cooling Rating Conditions	0.79	-

Performance: Heating at 47F (8.3C)

Heating 47F Rated Capacity	19000	Btu/h
Heating 47F Minimum Capacity	6800	Btu/h
Heating 47F Maximum Power Input	4000	W
Heating 47F Rated Power Input	1340	W
Heating 47F Minimum Power Input	410	W
COP 47F at Rated Condition	4.14	
Heating 47F Maximum Capacity	27000	Btu/h

Performance: Heating at 17F (-8.3C)

Heating 17F Maximum Capacity	22400	Btu/h
Heating 17F Rated Capacity	12000	Btu/h
Heating 17F Minimum Capacity	3860	Btu/h
Heating 17F Maximum Power Input	3240	W
Heating 17F Rated Power Input	1230	W
Heating 17F Minimum Power Input	560	W
COP 17F at Maximum capacity	2.02	
COP 17F at Rated Condition	2.84	

Performance: Heating at 5F (-15C)

Heating 5F Maximum Capacity (H4Full)	19000	Btu/h
Heating 5F Rated Capacity (H4Full)	9030	Btu/h
Heating 5F Minimum Capacity (H4Full)	3280	Btu/h
Heating 5F Maximum Power Input (H4Full)	3090	W
Heating 5F Rated Power Input (H4Full)	760	W
Heating 5F Minimum Power Input (H4Full)	510	W
COP 5F at Maximum capacity (H4Full)	1.8	

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

Heating -5F Maximum Capacity	16460	Btu/h
Heating -5F Minimum Capacity	2840	Btu/h
Heating -5F Maximum Power Input	2700	W
Heating -5F Minimum Power Input	460	W
COP -5F at Maximum Capacity	1.78	

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

Heating -10F Maximum Capacity	15150	Btu/h
Heating -10F Minimum Capacity	2610	Btu/h
Heating -10F Maximum Power Input	2590	W
Heating -10F Minimum Power Input	440	W

ODU Operating Temp. Range

Heating Thermal Lock-out Temp	-34	
Cooling Thermal Re-start Temp	3	
Cooling Thermal Lock-out Temp	-1	
Heating Thermal Re-start Temp	-23	
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	22.5	
EER2	14.05	
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	25	
ODU Minimum Circuit Ampacity (MCA)	23	A
ODU Maximum Over Current Protection (MOCP) = MOP = Maximum Fuse	40	A
IDU Minimum Circuit Ampacity (MCA) if Powered Separate	1	A

Indoor Unit

IDU Airflow Rate at Cooling, Dry 1	324	CFM
IDU Airflow Rate at Cooling, Dry 2	392	CFM
IDU Airflow Rate at Cooling, Dry 3	454	CFM
IDU Airflow Rate at Cooling, Dry 4	530	CFM
IDU Airflow Rate at Cooling, Dry 5	650	CFM
IDU Airflow Rate at Cooling, Wet 1	292	CFM
IDU Airflow Rate at Cooling, Wet 2	353	CFM
IDU Airflow Rate at Cooling, Wet 3	408	CFM
IDU Airflow Rate at Cooling, Wet 5	585	CFM
IDU Airflow Rate at Heating 1	344	CFM
IDU Airflow Rate at Heating 2	392	CFM
IDU Airflow Rate at Heating 3	454	CFM
IDU Airflow Rate at Heating 4	530	CFM
IDU Airflow Rate at Heating 5	672	CFM
IDU SPL at Cooling 4	44	dB (A)
IDU SPL at Heating 5	48	dB (A)
External Finish (Munsell No. in case painting)	Munsell 0.7PB 9.2/0.4	
IDU Unit Dimension W	43 5/16	inch
IDU Unit Dimension D	10 2/16	inch
IDU Unit Dimension H	12 13/16	inch
IDU Unit Weight	37	lbs
Drain Pipe Size (Outer size)	1 1/16	inch
IDU Airflow Rate at Cooling, Wet 4	477	CFM

Outdoor Unit

ODU Fan Motor Full Load Amperage (FLA) (if data available)	0.76	A
ODU Fan Motor Output	0.1	HP
Base Pan Heater installed (Built-in or Optional)	Built-in	
ODU Unit Dimension W	33 1/16	inch
ODU Unit Dimension D	13	inch
ODU Unit Dimension H	34 5/8	inch
ODU Unit Weight	117	lbs

Piping

Gas Pipe Size O.D. [Flared]	1/2	inch
Liquid Pipe Size O.D. [Flared]	1/4	inch
Maximum Piping Length	100	ft
Maximum Height Difference	50	ft

Refrigerant

Refrigerant Type	R454B	
Pre-charged Refrigerant Amount	60	oz
Maximum Pre-charged Piping Length	50	ft
Pre-charged Refrigerant Amount (lbs)	3	
Pre-charged Refrigerant Amount (oz)	12	

Accessories

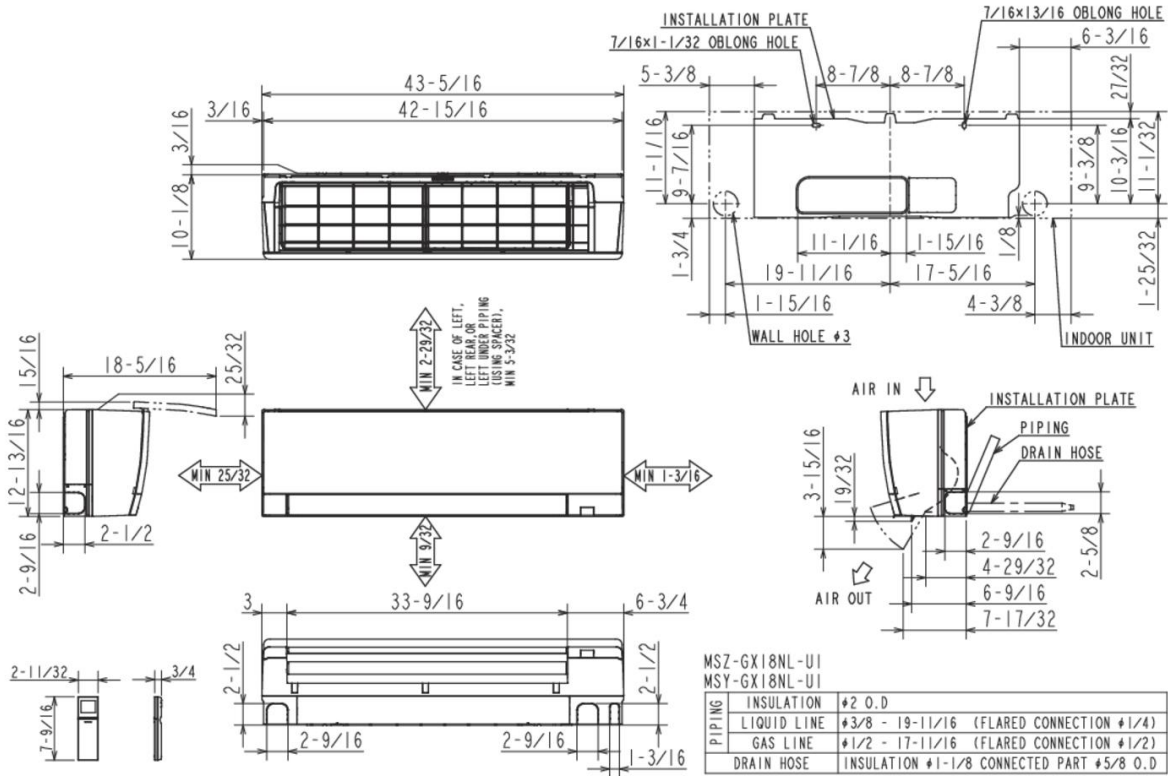
Handheld Remote Controller English	MAC-FL112M-E	
Handheld Remote Controller French	MAC-FL212M-E	
Wall Mount controller	PAR-42MAACAB (REQUIRES SYSTEM INTERFACE)	
Simple Wall MA Controller	PAC-YT53CRAU-J	
Simple CN105 Controller	PAC-SDW01	
Microparticle Catching Filter	MAC-EMF515T-E	
Electrostatic Anti-allergy 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))

- 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-GX18NL

Unit: inch



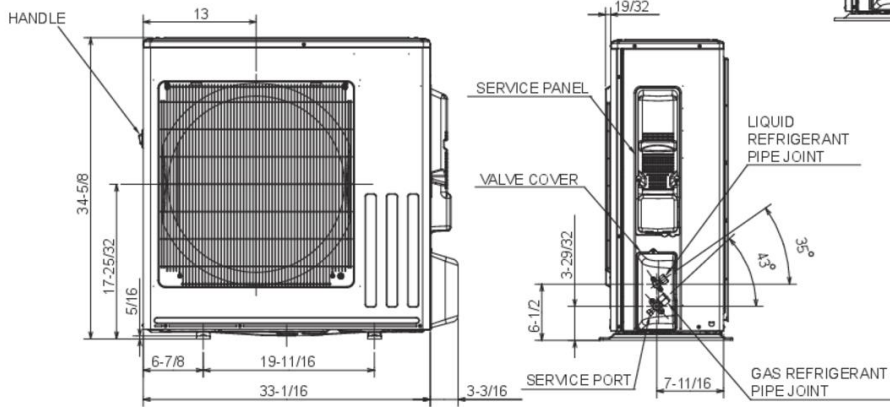
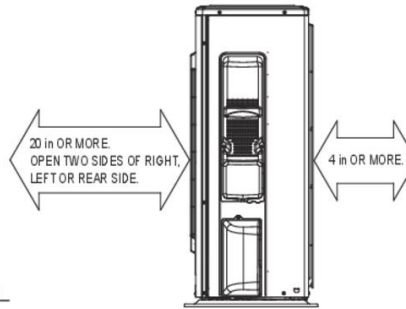
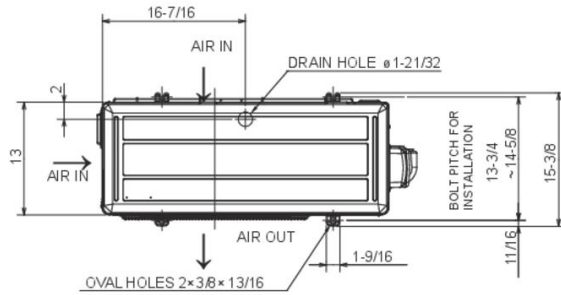
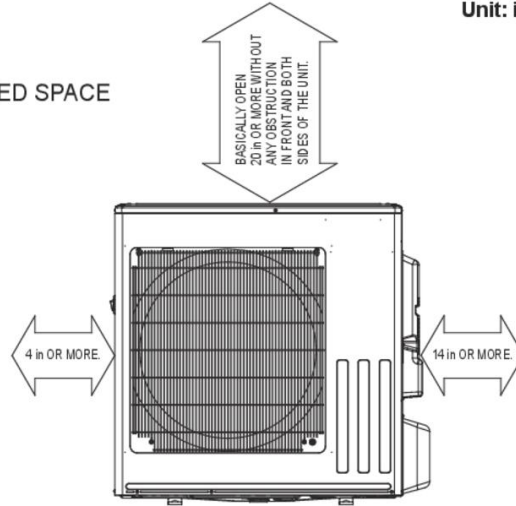
MSZ-GX18NL-UI	
MSY-GX18NL-UI	
PIPING	INSULATION #2 O.D
	LIQUID LINE #3/8 - 19-11/16 (FLARED CONNECTION #1/4)
	GAS LINE #1/2 - 17-11/16 (FLARED CONNECTION #1/2)
	DRAIN HOSE INSULATION #1-1/8 CONNECTED PART #5/8 O.D

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

MUZ-GX18NLHZ2

Unit: inch

REQUIRED SPACE



**MUZ-GX18NLHZ2 MUZ-GX18NLHZ2
MUY-GX18NL**

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

**MUZ-GX24/30/36NLHZ2 MUZ-GX24NLHZ2
MUY-GX24/30/36NL**

REFRIGERANT PIPE JOINT	LIQUID REFRIGERANT PIPE	FLARED 1/4"
	GAS REFRIGERANT PIPE	FLARED 5/8"