

**SUBMITTAL DATA: MSZ-GL24NA-U1 & MUZ-GL24NAH-U1**  
24,000 BTU/H WALL-MOUNTED HEAT PUMP SYSTEM

Job Name:	Location:	Date:
Purchaser:	Engineer:	
Submitted to:	For <input type="checkbox"/> Reference <input type="checkbox"/> Approval <input type="checkbox"/> Construction	
System Designation:	Schedule No.:	



Indoor Unit: MSZ-GL24NA-U1



Wireless Remote Controller



Outdoor Unit: MUZ-GL24NAH-U1

**ACCESSORIES:**

**Indoor Unit**

Anti-Allergy Enzyme Filter (MAC-2310FT-E)

**Outdoor Unit**

Windscreens (ME-FR-24)

**Controls**

Wireless Controller (MHK1)

Wired Remote Controller PAR-40MAA (Requires MAC-334IF-E)

Thermostat Interface (PAC-US444CN-1)

**SPECIFICATIONS:**

Rated Conditions (Capacity / Input)		
Cooling <sup>1</sup>	Btu/h / W	22,400 / 1,800
Heating at 47° F <sup>2</sup>	Btu/h / W	27,600 / 2,340

Capacity Range		Minimum	Maximum
Cooling <sup>1</sup>	Btu/h	8,200	31,400
Heating at 47° F <sup>2</sup>	Btu/h	7,500	36,900
Heating at 17° F <sup>3</sup>	Btu/h	-	24,600
Heating at 5° F <sup>4</sup>	Btu/h	-	21,160

<sup>1</sup> Cooling | Indoor: 80° F (27° C) DB / 67° F (19° C) WB; Outdoor: 95° F (35° C) DB / 75° F (24° C) WB  
<sup>2</sup> Heating at 47° F | Indoor: 70° F (21° C) DB / 60° F (16° C) WB; Outdoor: 47° F (8° C) DB / 43° F (6° C) WB  
<sup>3</sup> Heating at 17° F | Indoor: 70° F (21° C) DB / 60° F (16° C) WB; Outdoor: 17° F (-8° C) DB / 15° F (-9° C) WB  
<sup>4</sup> Heating at 5° F | Indoor: 70° F (21° C) DB / 60° F (16° C) WB; Outdoor: 5° F (-15° C) DB / 5° F (-15° C) WB  
<sup>5</sup> Rating Conditions per AHRI Standard.

Operating Conditions (Indoor Intake Air Temp.) (Max./ Min.)	
Cooling <sup>2</sup>	90° F (32° C) DB / 67° F (19° C) DB
Heating	80° F (27° C) DB / 70° F (21° C) DB

Operating Conditions (Outdoor Intake Air Temp.) (Max./ Min.)	
Cooling <sup>5</sup>	115 F (46° C) DB / 14° F (-10° C) DB
Heating	75° F (24° C) DB / -4° F (-20° C) DB

<sup>5</sup> Applications should be restricted to comfort cooling only; equipment cooling applications are not recommended for low ambient temperature conditions.

AHRI Efficiency Ratings	
SEER / HSPF / EER	20.5 / 10.0 / 12.5
COP at 47° F / 17° F	3.46 / 2.65

<b>Energy Star®</b>	Yes
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ENERGY STAR products are third-party certified by an EPA-recognized Certification Body.

Electrical Power Requirements	208 / 230V, 1-Phase, 60 Hz	
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**Minimum Circuit Ampacity (MCA) \***

Indoor / Outdoor (RBS)	A	1 / 17.1 (20A - Recommended Breaker Size)
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\*All electrical work shall comply with National (CEC) and local codes and regulations.

**Indoor Unit**

Blower Motor (ECM)	F.L.A.	0.76
Blower Motor Output	W	55
SHF / Moisture Removal		0.75 / 5.1 pt./h
Field Drainpipe Size O.D.	In.(mm)	5/8 (15)

**Outdoor Unit**

Compressor	DC INVERTER-driven Twin Rotary	
Fan Motor (ECM)	F.L.A.	0.93

**Airflow Rate (Quiet - Lo - Med - Hi - Super Hi)**

Indoor (Cooling)	DRY	CFM	388-469-544-628-738
	WET		347-420-487-562-661
Indoor (Heating)	DRY		388-469-544-628-738
	Outdoor		1769 / 1701

**Sound Pressure Level (Quiet - Lo - Med - Hi - Super Hi)**

Indoor	Cooling	dB(A)	34-41-45-49-53
	Heating		32-41-45-49-52
Outdoor	Cooling		55
	Heating		55

**External Dimensions**

Indoor (H x W x D)	In.(mm)	12-13/16 x 43-5/16 x 9-3/8 (325 x 1,100 x 238)
Outdoor (H x W x D)		34-5/8 x 33-1/16 x 13 (880 x 840 x 330)

**Net Weight**

Indoor	Lbs.(kg)	37 (17)
Outdoor		119 (54)

**External Finish**

Indoor	Munsell 1.0Y 9.2 / 0.2
Outdoor	Munsell No. 3Y 7.8 / 1.1

Refrigerant	R410A; 4 lb. 3 oz.
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**Refrigerant Piping (Flared)**

Liquid (High Pressure)	In.(mm)	3/8 (9.52)
Gas (Low Pressure)		5/8 (15.88)
Max. Total Refrigerant Pipe Length (Height Diff.)	Fl. (m)	50 (15)
Max. Total Refrigerant Pipe Length (Length.)		100 (30)

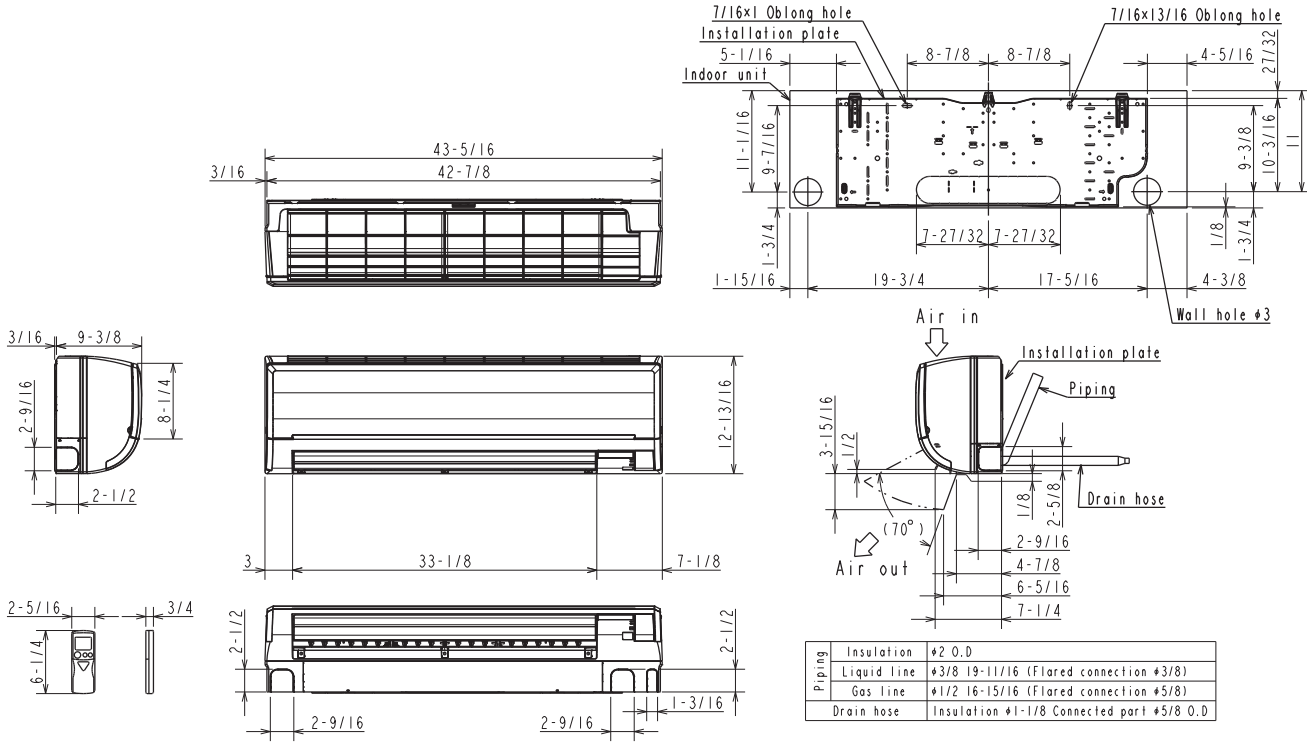
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Specifications are subject to change without notice

# DIMENSIONS: MSZ-GL24NA-U1 & MUZ-GL24NAH-U1

## MSZ-GL24NA-U1

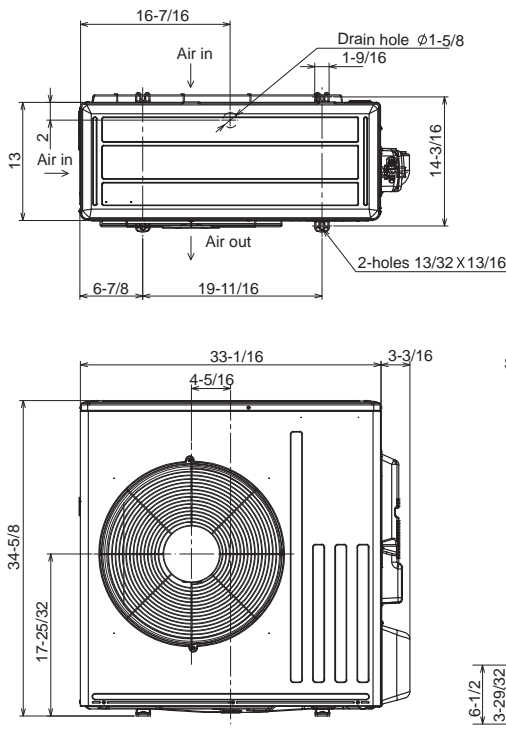
Unit: in. (mm)



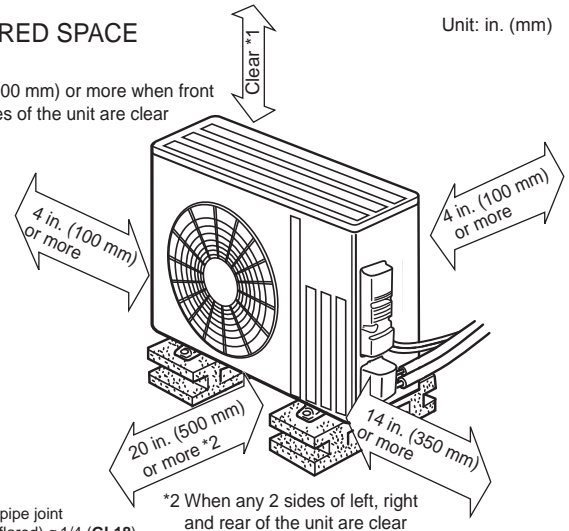
## MUZ-GL24NAH-U1

### REQUIRED SPACE

Unit: in. (mm)



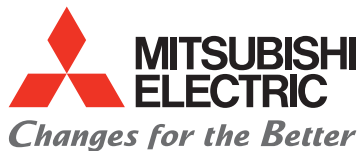
\*1 20 in. (500 mm) or more when front and sides of the unit are clear



\*2 When any 2 sides of left, right and rear of the unit are clear

Liquid refrigerant pipe joint  
Refrigerant pipe (flared) ø 1/4 (GL18)  
Refrigerant pipe (flared) ø 3/8 (GL24)

Gas refrigerant pipe joint  
Refrigerant pipe (flared) ø 1/2 (GL18)  
Refrigerant pipe (flared) ø 5/8 (GL24)



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