

SUBMITTAL DATA: MSZ-GL12NA-(U1)(U2) & MUZ-GL12NAH-U2

12,000 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.:	



Wireless Remote Controller



ACCESSORIES:

Indoor Unit

Anti-Allergy Enzyme Filter (MAC-408FT-E)

Outdoor Unit

Windscreens (ME-FR-15-17)

Controls

Wireless Controller (MHK2)

Wired Remote Controller PAR-41MAA (Requires MAC-334IF-E)

Note: Mitsubishi Electric (MESCA) supports the use of only MESCA supplied and approved Snow Guard / Wind Deflectors / Windscreens and accessories for proper functioning of the unit(s). Use of non-MESCA supported Snow Guard / Wind Deflectors / Windscreens and accessories will affect warranty coverage.

SPECIFICATIONS:

Rated Conditions (Capacity / Input)		
Cooling ¹	Btu/h / W	12,000 / 920
Heating at 47° F ²	Btu/h / W	14,400 / 1,100

Capacity Range		Minimum	Maximum
Cooling ¹	Btu/h	1,500	13,600
Heating at 47° F ²	Btu/h	2,000	18,100
Heating at 17° F ³	Btu/h	-	12,000
Heating at 5° F ⁴	Btu/h	-	9,700

¹ Cooling | Indoor: 80° F (27° C) DB / 67° F (19° C) WB; Outdoor: 95° F (35° C) DB / 75° F (24° C) WB^{*}
² 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^{*}
³ 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^{*}
⁴ 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^{*}
^{*} Rating Conditions per AHRI Standard.

Operating Conditions (Indoor Intake Air Temp.) (Max./ Min.)	
Cooling ²	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 ⁵	115 F (46° C) DB / 14° F (-10° C) DB
Heating	75° F (24° C) DB / -4° F (-20° C) DB

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

AHRI Efficiency Ratings	
SEER (SEER2) / HSPF (HSPF2) / EER (EER2)	23.1 (23.1) / 11.5 (9.3) / 13.0 (13.0)
COP at 47° F / 17° F / 5° F	3.84 / 3.1 / 2.6

Energy Star®	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 / 9 (15A - Recommended Breaker Size)

*** 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	30
SHF / Moisture Removal		0.740 / 2.5 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.	0.5

Airflow Rate (Quiet - Lo - Med - Hi - Super Hi)			
Indoor (Cooling)	DRY	CFM	145-170-237-321-399
	WET		109-134-201-286-364
Indoor (Heating)	DRY	CFM	145-170-237-321-406
Outdoor			1,229 / 1,172

Sound Pressure Level (Quiet - Lo - Med - Hi - Super Hi)			
Indoor	Cooling	dB(A)	19-22-30-37-45
	Heating		19-22-30-37-43
Outdoor	Cooling	dB(A)	49
	Heating		51

External Dimensions		
Indoor (H x W x D)	In.(mm)	11-5/8 x 31-7/16 x 9-1/8 (295 x 798 x 232)
Outdoor (H x W x D)		21-5/8 x 31-1/2 x 11-1/4 (550 x 800 x 285)

Net Weight		
Indoor	Lbs.(kg)	22 (10)
Outdoor		81 (37)

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

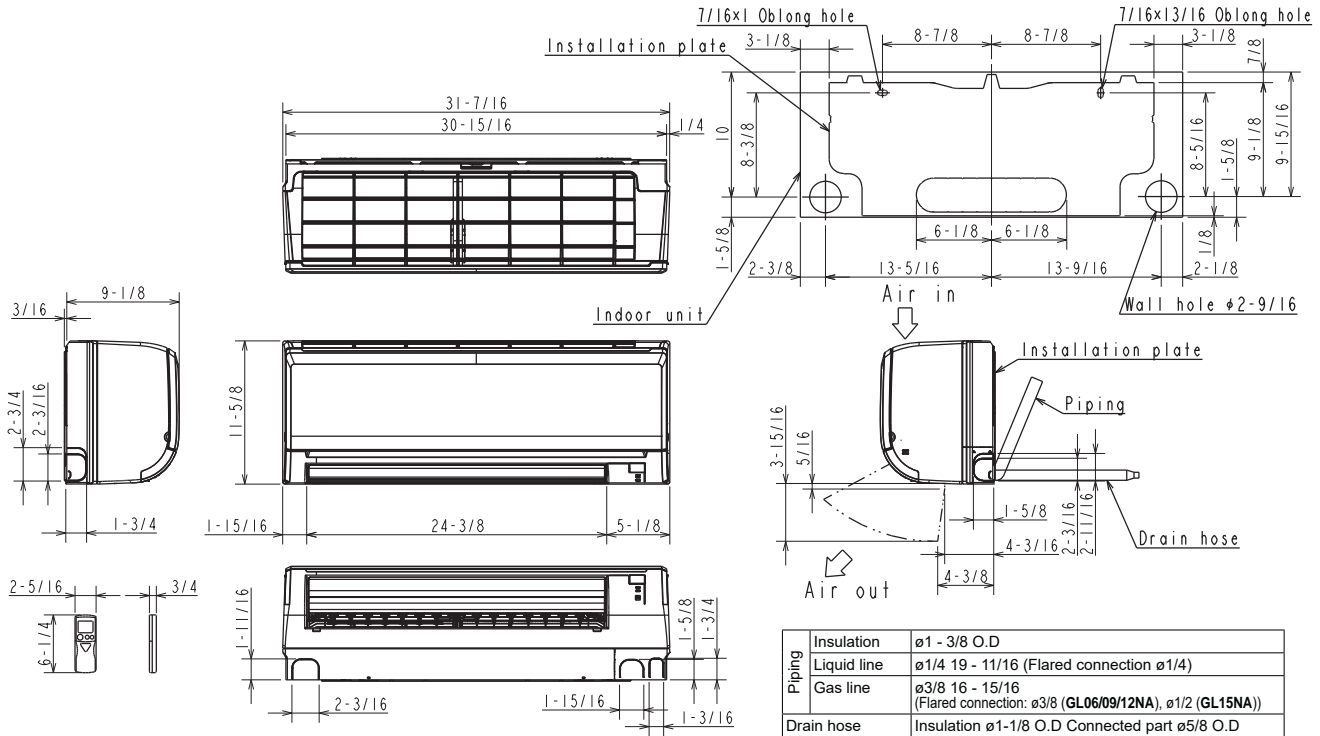
Refrigerant	R410A; 2 lb. 9 oz.
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Refrigerant Piping (Flared)		
Liquid (High Pressure)	In.(mm)	1/4 (6.35)
Gas (Low Pressure)		3/8 (9.52)
Max. Total Refrigerant Pipe Length (Height Diff.)	Ft. (m)	40 (12)
Max. Total Refrigerant Pipe Length (Length.)		65 (20)

Specifications are subject to change without notice

DIMENSIONS: MSZ-GL12NA-(U1)(U2) & MUZ-GL12NAH-U2

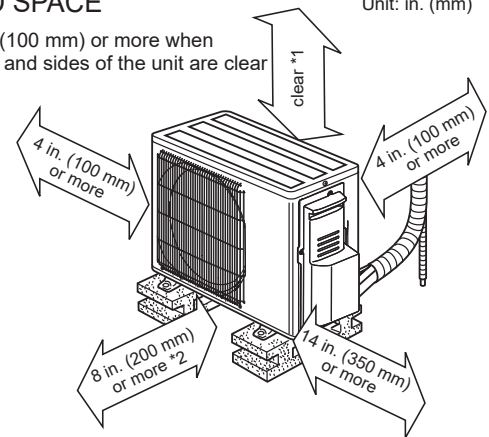
Unit: in. (mm)



REQUIRED SPACE

Unit: in. (mm)

*1 4 in. (100 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

