

SUBMITTAL DATA: MFZ-KJ09NA-U1 & MUFZ-KJ09NAHZ-U1

9,000 BTU/H FLOOR-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.:	

GENERAL FEATURES

- Floor-standing unit
- Standard Hybrid Catechin Prefilter filter included within indoor unit
- Quiet operation
- Choice of fan speeds: Low, Medium, High, and Super High; Auto fan speed control also included
- Bottom supply outlet operates in heat mode
- Wireless remote controller is included; PAR-40MAA wired remote controller can be installed as an option
- Indoor unit powered from outdoor unit using A-Control
- Auto restart following a power outage
- Unit can be recessed mounted into wall

Controls

- ☐ Wireless Controller (MHK2)
- ☐ Wired Remote Controller PAR-40MAA (Requires MAC-333IF-E)
- ☐ Thermostat Interface (PAC-US444CN-1)

Windscreens (ME-FR-15-17)

SPECIFICATIONS:

Rated Conditions (Capacity / Input)		
Cooling ¹	Btu/h / W	9,000 / 570
Heating at 47°F ²	Btu/h / W	11,000 / 750

Capacity Range		Minimum	Maximum
Cooling ¹	Btu/h	2,300	14,000
Heating at 47°F ²	Btu/h	2,900	19,000
Heating at 17°F ³	Btu/h	-	13,400
Heating at 5°F ⁴	Btu/h	-	11,000

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 ⁵	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 / -14° F (-25° C) DB**

⁵ Applications should be restricted to comfort cooling only; equipment cooling applications are not recommended for low ambient temperature conditions.
 ** System cuts out at -18° F (-28° C) to avoid thermistor error and automatically restarts at -4° F (-20° C).

AHRI Efficiency Ratings		
SEER (SEER2) / EER (EER2) / HSPF (HSPF2)		28.2 (28.7) / 15.8 (15.8) / 13.0 (11.30)
COP at 47° F 17° F		4.3 / 2.71
Electrical		
Electrical Power Requirements		208 / 230V, 1-Phase, 60 Hz
MCA: Indoor Outdoor *	A	1 11
Recommended Fuse/ Breaker Size	A	15

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Specifications are subject to change without notice.



Indoor Unit		
Blower Motor ECM Output		0.62 F.L.A. 30 W
SHF Moisture Removal		0.79 / 1.4 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.	0.50

Airflow Rate (Quiet - Lo - Med - Hi - Super Hi)			
Indoor (Cooling)	DRY	CFM	138-198-272-360-417
	WET		117-168-231-306-354
Indoor (Heating)	DRY		138-191-254-328-417
Outdoor			1,215 / 1,201

Sound Pressure Level (Quiet - Lo - Med - Hi - Super Hi)		
Indoor: Cooling Heating	dB(A)	21-27-34-41-46 21-27-34-40-46
Outdoor: Cooling Heating		48 50

Unit Dimensions		
Indoor Outdoor (H x W x D)	In.	23-5/8 x 29-17/32 x 8-15/32 21-5/8 x 31-1/2 x 11-1/4
	mm	600 x 750 x 215 550 x 800 x 285

Unit/Package Weight		
Unit: Indoor Outdoor	Lbs.(kg)	33 (15) 83 (38)
Package: Indoor Outdoor	Lbs.(kg)	41 (18.5) 90 (40.5)

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

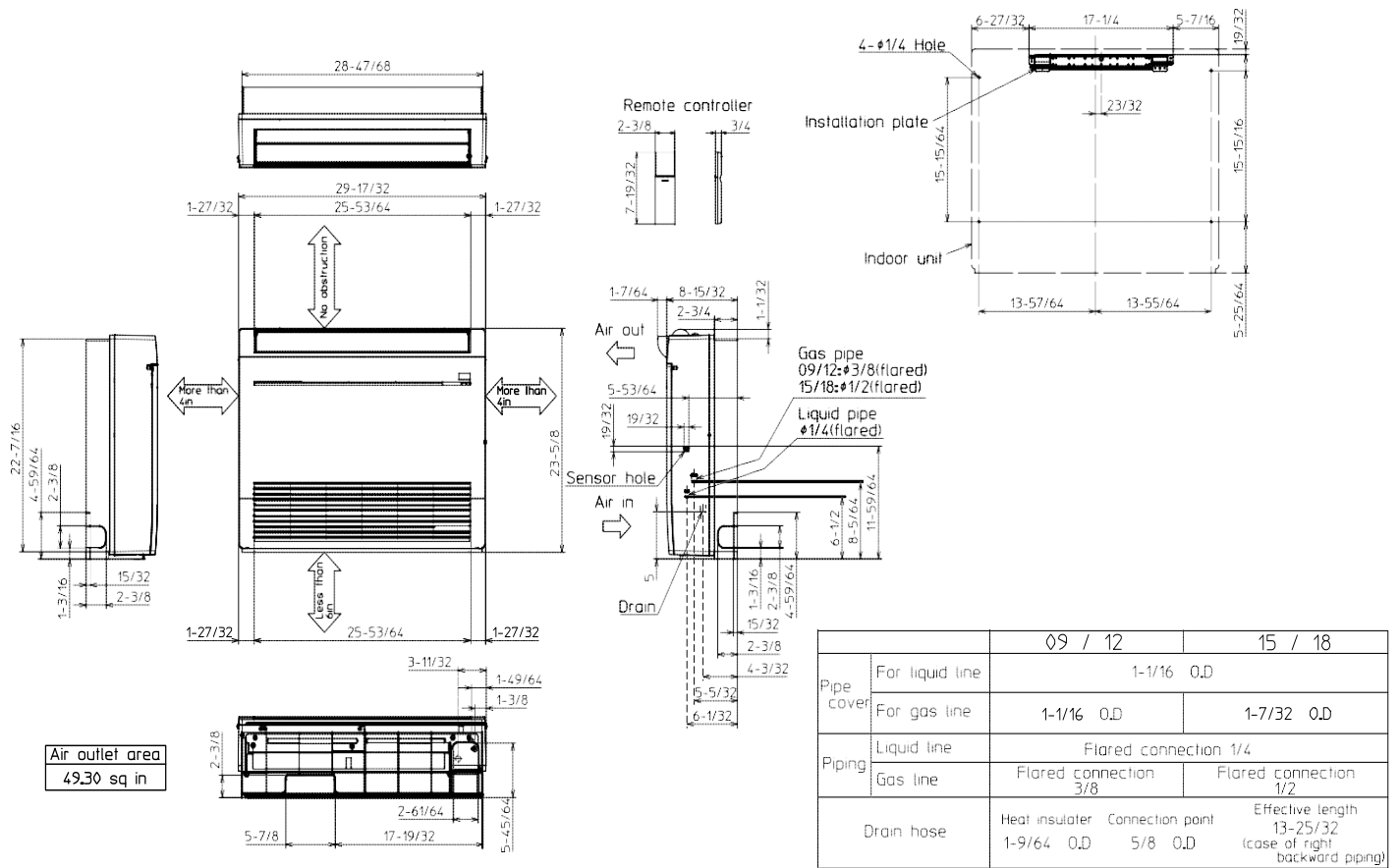
Refrigerant	R410A; 2 lb. 10 oz.
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Refrigerant Piping(Flared)		
Liquid (High Pressure)	In.(mm)	1/4 (6.35)
Gas (Low Pressure)		3/8 (9.52)
Max. Total Refrigerant Pipe Length (Height Diff.)	Ft. (m)	40 (12)
Max. Total Refrigerant Pipe Length (Length.)		65 (20)

DIMENSIONS: INDOOR UNIT-MFZ-KJ09NA-U1

MFZ-KJ09NA-U1

Unit: in.



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Notes:

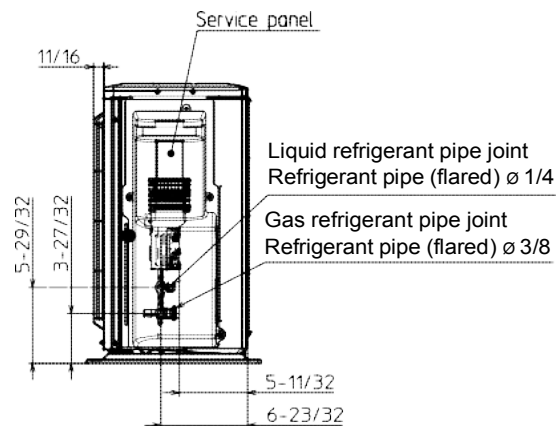
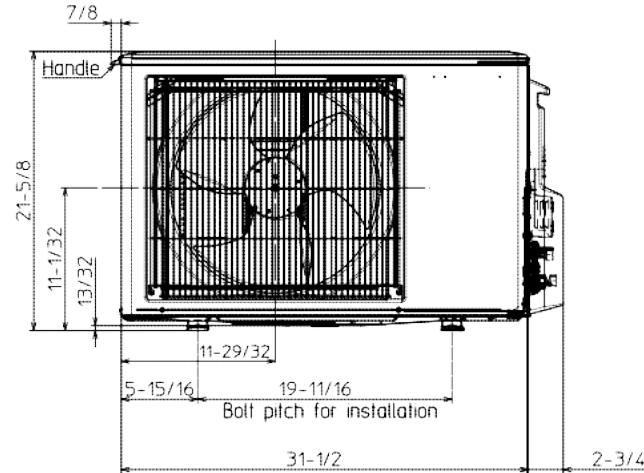
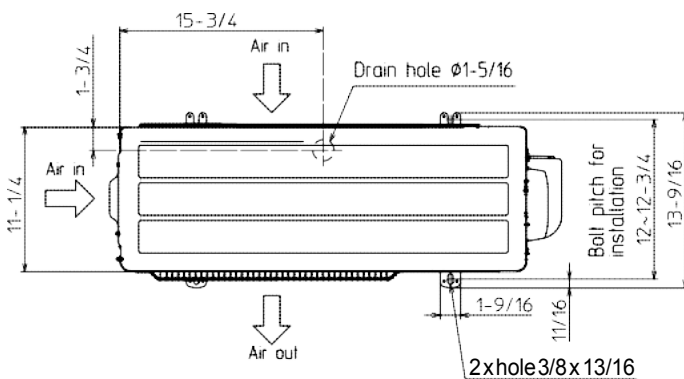
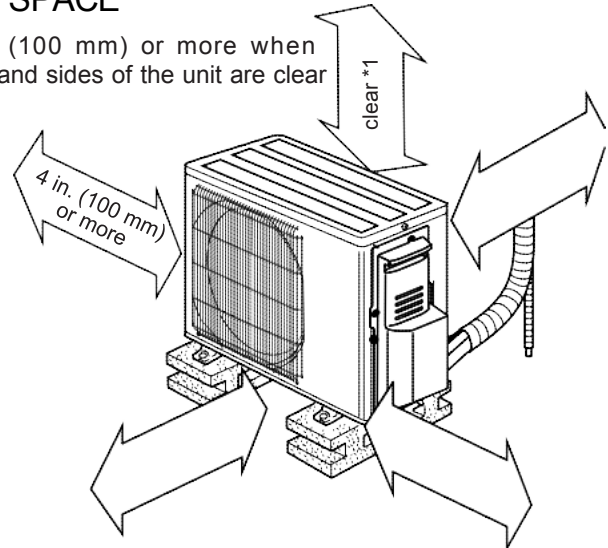
DIMENSIONS: OUTDOOR UNIT- MUFZ-KJ09NAHZ-U1

MUFZ-KJ09NAHZ-U1

Unit: in. (mm)

REQUIRED SPACE

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



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