

SUBMITTAL DATA: MFZ-KJ18NA-U1 & MUFZ-KJ18NAHZ-U1

18,000 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-31MAA 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 (MHK1)
- Wired Remote Controller PAR-31MAA (Requires MAC-333IF-E)
- Thermostat Interface (PAC-US444CN-1)

Windscreens (ME-FR-24)

SPECIFICATIONS:

Rated Conditions (Capacity / Input)

Cooling ¹	Btu/h / W	17,000 / 1,350
Heating at 47° F ²	Btu/h / W	21,000 / 1,730

Capacity Range		Minimum	Maximum
Cooling ¹	Btu/h	5,300	22,500
Heating at 47° F ²	Btu/h	5,700	29,000
Heating at 17° F ³	Btu/h	-	23,000
Heating at 5° F ⁴	Btu/h	-	21,000

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 (-26° C) to avoid thermistor error and automatically restarts at -4° F (-20° C).

AHRI Efficiency Ratings

SEER / HSPF	21.0 / 11.3
COP at 47° F 17° F	3.5 / 2.62

Electrical

Electrical Power Requirements	208 / 230V, 1-Phase, 60 Hz	
MCA: Indoor Outdoor *	A	1 16
Recommended Fuse/ Breaker Size	A	20

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Specifications are subject to change without notice.



MFZ-KJ18NA-U1



MUFZ-KJ18NAHZ-U1



Wireless Remote Controller

Indoor Unit		
Blower Motor ECM Output	0.72 40 W	
SHF Moisture Removal	0.65 4.4 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.	0.93

Airflow Rate (Quiet - Lo - Med - Hi - Super Hi)			
Indoor (Cooling)	DRY	CFM	198-254-311-392-431
	WET		168-216-264-333-366
Indoor (Heating)	DRY		212-268-328-399-470
			1,653 / 1,730
Outdoor			

Sound Pressure Level (Quiet - Lo - Med - Hi - Super Hi)		
Indoor: Cooling Heating	dB(A)	28-33-38-43-47 29-35-40-45-49
Outdoor: Cooling Heating		51 55

Unit Dimensions		
Indoor Outdoor (H x W x D)	In.	23-5/8 x 29-17/32 x 8-15/32 34-5/8 x 33-1/16 x 13
	mm	600 x 750 x 215 880 x 840 x 330

Unit/Package Weight		
Unit: Indoor Outdoor	Lbs.(kg)	33 (15) 124 (56)
Package: Indoor Outdoor	Lbs.(kg)	41 (18.5) 144 (65)

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

Refrigerant	R410A; 3 lb. 5 oz.
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Refrigerant Piping(Flared)		
Liquid (High Pressure)	In.(mm)	1/4 (6.35)
Gas (Low Pressure)		1/2 (12.7)
Max. Total Refrigerant Pipe Length (Height Diff.)	Ft. (m)	50 (15)
Max. Total Refrigerant Pipe Length (Length.)		100 (30)



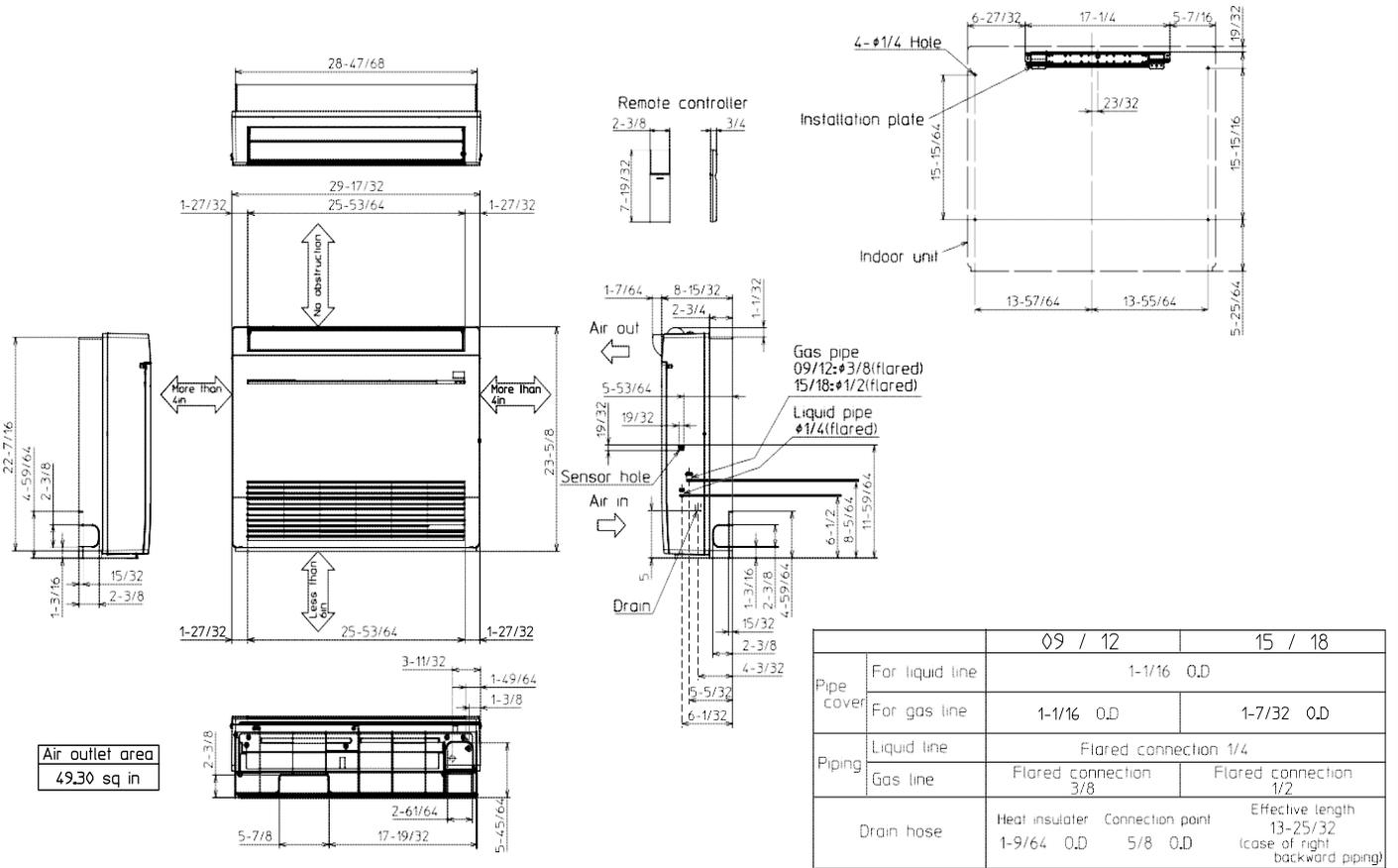
Note: Mitsubishi Electric (MESCA) supports the use of only MESCA supplied and approved Snow Guard / Wind Deflectors / Windscreens and accessories for proper functioning of the unit(s). Use of non-MESCA supported Snow Guard / Wind Deflectors / Windscreens and accessories will affect warranty coverage.

* All electrical work shall comply with National (NEC) and local codes and regulations.

DIMENSIONS: INDOOR UNIT-MFZ-KJ18NA-U1

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Unit: in.



Air outlet area
49.30 sq in

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Notes:

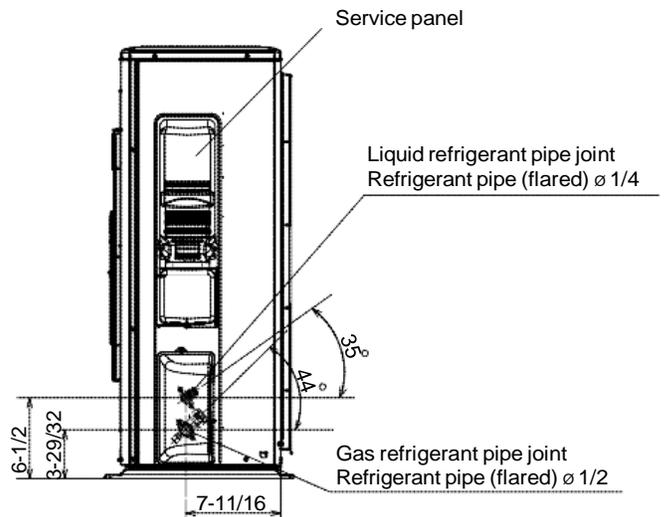
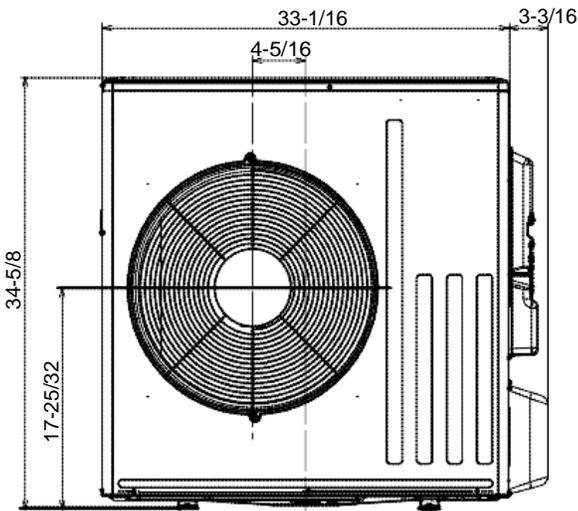
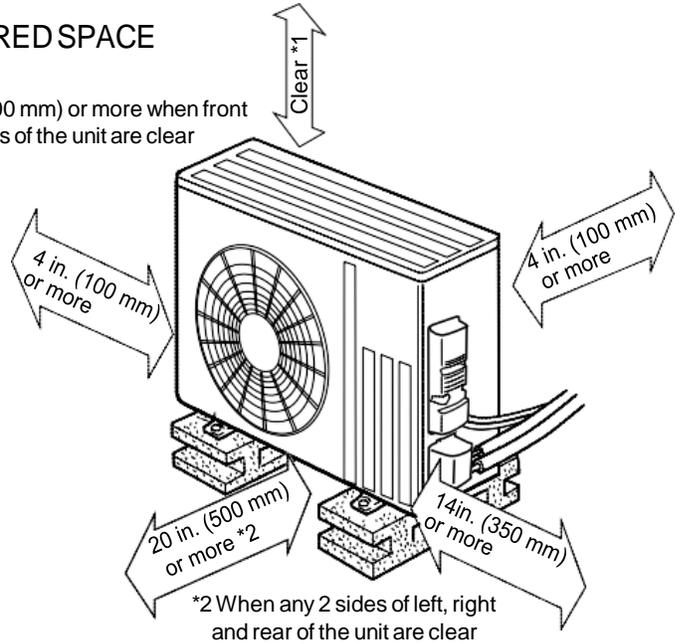
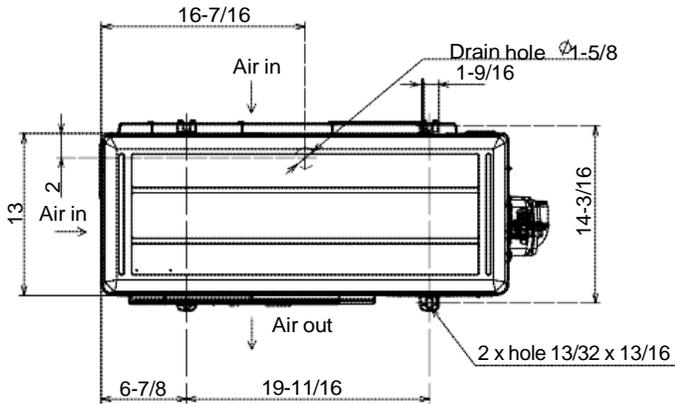
DIMENSIONS: OUTDOOR UNIT- MUFZ-KJ18NAHZ-U1

MUFZ-KJ18NAHZ-U1

Unit: in. (mm)

REQUIRED SPACE

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



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