M-SERIES

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

18,000 BTU/H FLOOR-MOUNTED HEAT PUMP SYSTEM

MITSUBISHI ELECTRIC

Job Name:	
System Reference:	Date:



Indoor Unit: MFZ-KJ18NA-U1



Wireless Remote Controller



Outdoor Unit: MUFZ-KJ18NAHZ-U1

ACCESSORIES:

Indoor Unit

- □ Condensate Pump (BlueDiamond X87-711/721; 115/230V)
- □ Condensate Pump (Sauermann SI30-115/230; 115/230V)
- □ Anti-Allergy Enzyme Filter (MAC-408FT-E)
- □ Drain Pan Level Sensor (DPLS2)

Outdoor Unit

The outdoor unit is delivered with the base pan heater factory installed.

- □ Air Discharge Guide (MAC-886SG-E)
- □ Outdoor Mounting Pad (ULTRILITE1)
- □ 3-1/4" Mounting Base [Pair] (DSD-400P)
- □ Wall Mounting Bracket (QSWB2000M-1)

Controls

- □ Wireless Controller (MHK1)
- □ Wired Remote Controller (PAR-33MAA; req. MAC-333IF-E)
- □ Wireless Temperature and Humidity sensor (PAC-USWHS003-TH-1)
- □ Thermostat Interface (PAC-US444CN-1)

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 Conditons (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 Conditons (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.
** System cuts out at -18° F (-28° C) to avoid thermistor error and automatically restarts at -14° F (-26° C).

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

Energy Star®	Yes

ENERGY STAR products are third-party certified by an EPA-recognized Certification Body.

Specifications are subject to change without notice.

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

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	198-254-328-420-491
	WET		168-216-279-357-417
Indoor (Heating)	DRY		212-268-328-399-470
Outdoor			1,653 / 1,730

Sound Pressure Level (Quiet - Lo - Med - Hi - Super Hi)		
Indoor: Cooling | Heating	dB(A)	28-33-39-45-50 | 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

Package Dimensions		
Indoor | Outdoor (H x W x D)	In.	27-3/4 x 32-3/4 x 12 39 x 38-3/4 x 16-3/4
	mm	693 x 816 x 275 | 990 x 980 x 420

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.

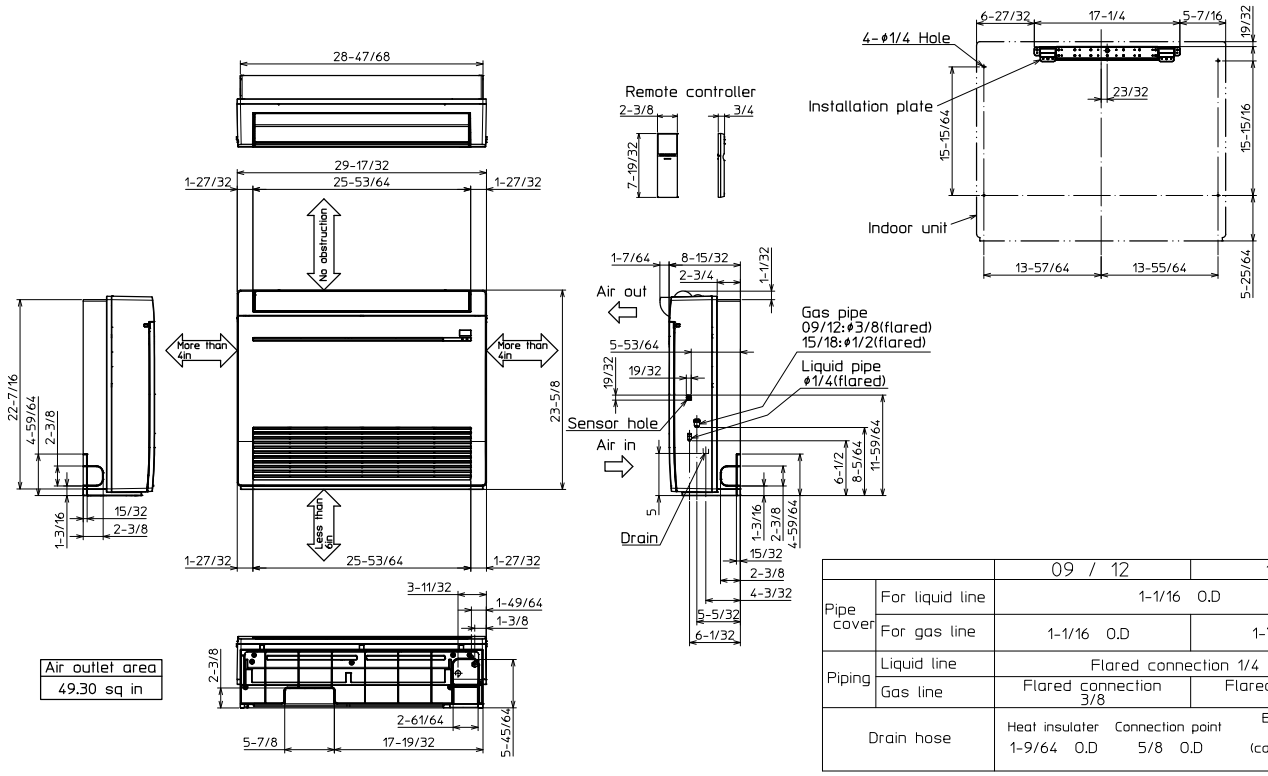
Refrigerant Piping (Flared)		
Liquid (High Pressure)	In.(mm)	1/4 (6.35)
Gas (Low Pressure)		1/2 (12.7)
Max. Total Refrigerant Pipe Length (Height Diff.)	Ft. (m)	50 (15)
Max. Total Refrigerant Pipe Length (Length.)		100 (30)

© 2016 Mitsubishi Electric US, Inc.

DIMENSIONS: MFZ-KJ18NA-U1 & MUFZ-KJ18NAHZ-U1

MFZ-KJ18NA-U1

Unit: in.



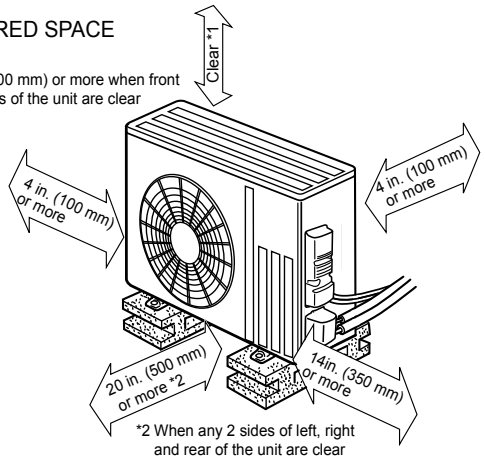
		09 / 12	15 / 18
Pipe cover	For liquid line	1-1/16 O.D	
	For gas line	1-1/16 O.D	1-7/32 O.D
Piping	Liquid line	Flared connection 1/4	
	Gas line	Flared connection 3/8	Flared connection 1/2
Drain hose		Heat insulater 1-9/64 O.D / Connection point 5/8 O.D	Effective length 13-25/32 (case of right backward piping)

MUFZ-KJ18NAHZ-U1

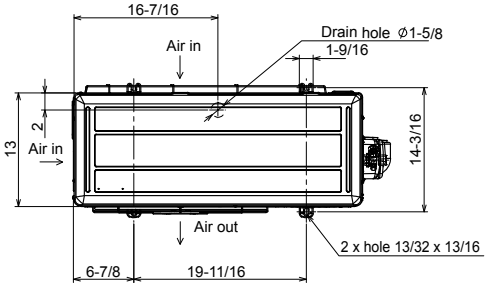
Unit: in. (mm)

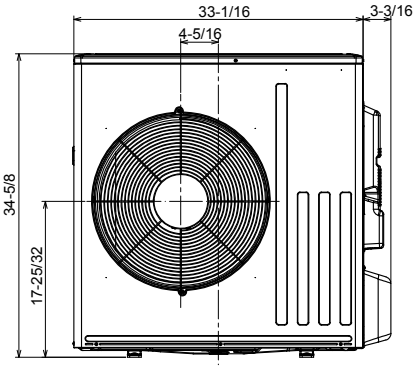
REQUIRED SPACE

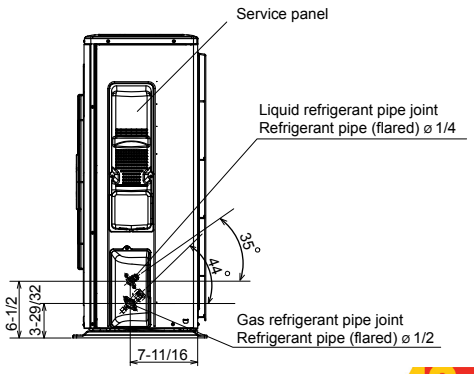
*1 20 in. (500 mm) or more when front and sides of the unit are clear



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







MITSUBISHI ELECTRIC
COOLING & HEATING

1340 Satellite Boulevard. Suwanee, GA 30024
Toll Free: 800-433-4822 www.mehvac.com

FORM# MFZ-KJ18NA-U1 ~ MUFZ-KJ18NAHZ-U1 - 201712

Specifications are subject to change without notice.

© 2016 Mitsubishi Electric US, Inc.