M-SERIES

SUBMITTAL DATA: MFZ-KJ12NA & MUFZ-KJ12NAHZ

12,000 BTU/H FLOOR-MOUNTED HEAT PUMP SYSTEM

MITSUBISHI ELECTRIC

Job Name:	
System Reference:	Date:

Indoor Unit: MFZ-KJ12NA	Outdoor Unit: MUFZ-KJ12NAHZ	Wireless Remote Controller

GENERAL FEATURES

- Floor-mounted indoor unit mounts on the floor or up to 5" above the floor
- Floor front panel access to the filter for ease of cleaning
- Perfect for difficult areas that may be smaller or don't have usable space on the walls
- Multiple fan speed options: Quiet, Low, Medium, High, Super-high, Auto
- Quiet operation
- Multi-flow vane for faster heating
- Multiple control options available:
  - Hand-held Remote Controller (provided with unit)
  - kumo cloud® smart device app for remote access
  - Third-party interface options
  - Wired or wireless controllers
- Unit can be recessed mounted into wall

© 2020 Mitsubishi Electric Trane HVAC US LLC. All rights reserved.

SPECIFICATIONS: MFZ-KJ12NA & MUFZ-KJ12NAHZ

Cooling[1]	Maximum Capacity	BTU/H	15,000
	Rated Capacity	BTU/H	12,000
	Minimum Capacity	BTU/H	2,300
	Maximum Power Input	W	1,380
	Rated Power Input	W	890
	Moisture Removal	Pints/h	2.7
	Sensible Heat Factor		0.70
	Power Factor	%	90 / 90
Heating at 47°F[2]	Maximum Capacity	BTU/H	22,800
	Rated Capacity	BTU/H	13,000
	Minimum Capacity	BTU/H	2,900
	Maximum Power Input	W	2,390
	Rated Power Input	W	900
	Power Factor	%	89 / 89
Heating at 17°F[3]	Maximum Capacity	BTU/H	14,800
	Rated Capacity	BTU/H	8,800
	Maximum Power Input	W	1,890
	Rated Power Input	W	930
Heating at 5°F[4]	Maximum Capacity	BTU/H	13,000
	Maximum Power Input	W	1,810
Heating at -4°F[5]	Maximum Capacity	BTU/H	10,790
Heating at -13°F[6]	Maximum Capacity	BTU/H	8,450
Efficiency	SEER		25.5
	EER[1]		13.6
	HSPF (IV)		12.0
	COP at 47°F[2]		4.23
	COP at 17°F in Maximum Capacity[3]		2.30
	COP at 5°F in Maximum Capacity[4]		2.11
	ENERGY STAR® certified units(ENERGY STAR products are third-party certified by an EPA-recognized Certification Body.)		YES
Electrical	Voltage, Phase, Frequency		208/230V, 1 phase, 60Hz
	Guaranteed Voltage Range	V AC	187-253
	Voltage: Indoor - Outdoor, S1-S2	V AC	208/230
	Voltage: Indoor - Outdoor, S2-S3	V DC	24
	Short-circuit Current Rating (SCCR)	kA	5
	Recommended Fuse/Breaker Size (Outdoor)	A	15
	Recommended Wire Size (Indoor - Outdoor)	AWG	14
Indoor Unit	MCA	A	1
	MOCP	A	15
	Blower Motor Full Load Amperage	A	0.62
	Blower Motor Output	W	30
	Airflow Rate at Cooling, Dry	CFM	417-360-272-198-138
	Airflow Rate at Cooling, Wet	CFM	354-306-231-168-117
	Airflow Rate at Heating, Dry	CFM	417-328-254-191-138
	Sound Pressure Level (Cooling)	dB(A)	46-41-34-27-21
	Sound Pressure Level (Heating)	dB(A)	46-40-34-27-21
	Drain Pipe Size	In. (mm)	5/8 (15.88)
	Heat Exchanger Type		Plate fin coil
	External Finish Color		White
	Unit Dimensions	W: In. (mm)	29-17/32 (750)
		D: In. (mm)	8-15/33 (215)

Specifications are subject to change without notice.

© 2020 Mitsubishi Electric Trane HVAC US LLC. All rights reserved.

SPECIFICATIONS: MFZ-KJ12NA & MUFZ-KJ12NAHZ

		H: In. (mm)	23-5/8 (600)
	Package Dimensions	W: In. (mm)	32-2/16 (816)
		D: In. (mm)	10-13/16 (275)
		H: In. (mm)	27-12/16 (693)
	Unit Weight	Lbs. (kg)	33 (15)
	Package Weight	Lbs. (kg)	41 (18.5)
Indoor Unit Operating Temperature Range	Cooling Intake Air Temp (Maximum / Minimum)*	°F	90 DB / 73 WB // 67 DB / 57 WB
	Heating Intake Air Temp (Maximum / Minimum)	°F	80 DB // 70 DB
Outdoor Unit	MCA	A	11
	MOCP	A	15
	Fan Motor Full Load Amperage	A	0.5
	Fan Motor Output	W	50
	Airflow Rate	CFM	1,074 / 1,202
	Refrigerant Control		LEV
	Defrost Method		Reverse cycle
	Heat Exchanger Type		Plate fin coil
	Sound Pressure Level, Cooling[1]	dB(A)	50
	Sound Pressure Level, Heating[2]	dB(A)	48
	Compressor Type		DC INVERTER-driven Twin Rotary
	Compressor Model		SNB140FQUMT
	Compressor Rated Load Amps	A	8.2
	Compressor Locked Rotor Amps	A	10.3
	Compressor Oil Type // Charge	oz.	FV50S // 11.8
	External Finish Color		Munsell 3Y 7.8/1/1
	Base Pan Heater		Built-in
	Unit Dimensions	W: In. (mm)	31-1/2 (800)
		D: In. (mm)	11-1/4 (285)
		H: In. (mm)	21-5/8 (550)
	Package Dimensions	W: In. (mm)	37 (940)
		D: In. (mm)	14-15/16 (380)
		H: In. (mm)	24-13/16 (630)
	Unit Weight	Lbs. (kg)	83 (38)
	Package Weight	Lbs. (kg)	89 (41)
Outdoor Unit Operating Temperature Range	Cooling Air Temp (Maximum / Minimum)*	°F	14 to 115
	Cooling Thermal Lock-out / Re-start Temperatures**	°F	11 / 14
	Heating Air Temp (Maximum / Minimum)	°F	-13 to 75
	Heating Thermal Lock-out / Re-start Temperatures**	°F	-18 / -14
Refrigerant	Type		R410A
	Charge	Lbs, oz	2, 10
Piping	Gas Pipe Size O.D. (Flared)	In. (mm)	3/8 (9.52)
	Liquid Pipe Size O.D. (Flared)	In. (mm)	1/4 (6.35)
	Maximum Piping Length	Ft. (m)	65 (20)
	Maximum Height Difference	Ft. (m)	40 (12)
	Maximum Number of Bends		10

Specifications are subject to change without notice.

© 2020 Mitsubishi Electric Trane HVAC US LLC. All rights reserved.

SPECIFICATIONS: MFZ-KJ12NA & MUFZ-KJ12NAHZ

Notes

AHRI Rated Conditions (Rated data is determined at a fixed compressor speed)	[1]Cooling (Indoor // Outdoor)	°F	80 DB, 67 WB // 95 DB, 75 WB
	[2]Heating at 47°F (Indoor // Outdoor)	°F	70 DB, 60 WB // 47 DB, 43 WB
	[3]Heating at 17°F (Indoor // Outdoor)	°F	70 DB, 60 WB // 17 DB, 15 WB
Conditions	[4]Heating at 5°F (Indoor // Outdoor)	°F	70 DB, 60 WB // 5 DB, 4 WB
	[5]Heating at -4°F (Indoor // Outdoor)	°F	70 DB, 60 WB // -4 DB, -5 WB
	[6]Heating at -13°F (Indoor // Outdoor)	°F	70 DB, 60 WB // -13 DB, -14 WB
*Applications should be restricted to comfort cooling only; equipment cooling applications are not recommended for low ambient temperature conditions. **System cuts out in heating mode to avoid thermistor error and automatically restarts at these temperatures.			

© 2020 Mitsubishi Electric Trane HVAC US LLC. All rights reserved.

ACCESSORIES: MFZ-KJ12NA

Floor Mount Air Guide	□ MAC-760FD-E
Anti-allergy Enzyme Filter	□ MAC-408FT-E
kumo touch™ RedLINK™ Wireless Controller	□ MHK2
Deluxe MA Remote Controller[1]	□ PAR-40MAAU
Simple MA Controller[1]	□ PAC-YT53CRAU-J
Touch MA Controller[1]	□ PAR-CT01MAU-SB
Wired Remote Sensor	□ M21EAA307
Wireless Temperature and Humidity Sensor	□ PAC-USWHS003-TH-1
System Control Interface[2]	□ MAC-334IF-E
Wireless Interface 2	□ PAC-USWHS002-WF-2
Thermostat Interface	□ PAC-US444CN-1
kumo station®	□ PAC-WHS01HC-E
USNAP Interface	□ PAC-WHS01UP-E
IT Extender	□ PAC-WHS01IE-E
BACnet® and MODBUS® Interface	□ PAC-UKPRC001-CN-1
External Fan / Heater Control Relay Adapter	□ CN24RELAY-KIT-CM3
Lockdown Bracket for Hand-held Remote Controllers	□ RCMKP1CB
Blue Diamond Sensor Extension Cable — 15 Ft.	□ C13-103
Blue Diamond Alarm Extension Cable — 6.5 Ft.	□ C13-192
Blue Diamond MultiTank — collection tank for use with multiple pumps	□ C21-014
Blue Diamond Rubber Foot Pads	□ F10-010
Mini Condensate Pump — 230 volt application	□ SI30-230
MegaBlue Advanced Blue Diamond Condensate Pump w/ Reservoir & Sensor	□ X87-835 - 110 to 250V
MaxiBlue Advanced Blue Diamond Mini Condensate Pump w/ Reservoir & Sensor (110V) up to 48,000 BTU/H[recommended]	□ X87-711 - 110V
Advanced Blue Diamond Mini Condensate Pump w/ Reservoir & Sensor (208/230V) [recommended]	□ X87-721 - 208/230V
MicroBlue Blue Diamond Mini Condensate Pump (110/208/230V) up to 18,000 BTU/H	□ X85-003
Fascia Kit for MicroBlue Pump – mounts the MicroBlue and sensor directly beneath the indoor unit	□ T18-016
Drain Pan Level Sensor	□ SS610E
(30A/600V/UL) [fits 2" X 4" utility box] - Black	□ TAZ-MS303
(30A/600V/UL) [fits 2" X 4" utility box] - White	□ TAZ-MS303W
Guides air flow for floor mount model when a concealer is used to hide the floor mount.	□ MAC-760FD-E

[1] Requires MAC-334IF-E

[2] Allows indoor units to connect to an MA Controller

Specifications are subject to change without notice.

© 2020 Mitsubishi Electric Trane HVAC US LLC. All rights reserved.

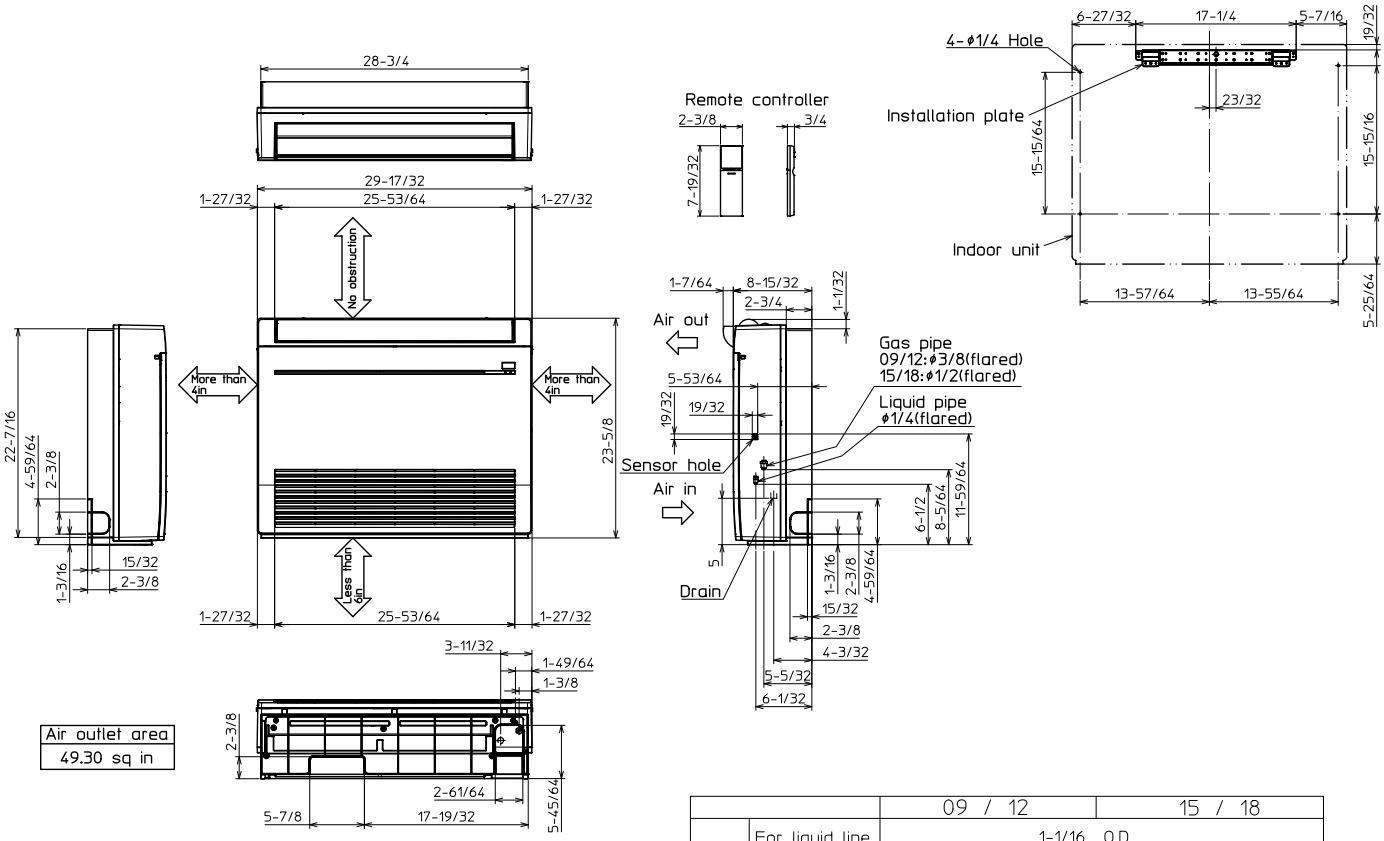
ACCESSORIES: MUFZ-KJ12NAHZ

Air Outlet Guide	□ MAC-881SG
Hail Guard	□ HG-B4
Outdoor Unit 3-1/4 inch Mounting Base (Pair) - Plastic	□ DSD-400P
Condensing Unit Mounting Pad 16" x 36" x 3"	□ ULTRILITE1
Outdoor Unit Stand — 12" High	□ QSMS1201M
Outdoor Unit Stand — 18" High	□ QSMS1801M
Outdoor Unit Stand — 24" High	□ QSMS2401M
Heavy Duty Wall Mounting Bracket— Coated Steel	□ QSWB2000M-1
Heavy Duty Wall Mounting Bracket — 316 Series Stainless Steel	□ QSWBSS
15' x 1/4" x 15' / 3/8" Lineset (Twin-Tube Insulation)	□ MLS143812T-15
30' x 1/4" x 30' / 3/8" Lineset (Twin-Tube Insulation)	□ MLS143812T-30
50' x 1/4" x 50' / 3/8" Lineset (Twin-Tube Insulation)	□ MLS143812T-50
65' x 1/4" x 65' / 3/8" Lineset (Twin-Tube Insulation)	□ MLS143812T-65

© 2020 Mitsubishi Electric Trane HVAC US LLC. All rights reserved.

DIMENSIONS: MFZ-KJ12NA

Unit: inch



		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)

Specifications are subject to change without notice.

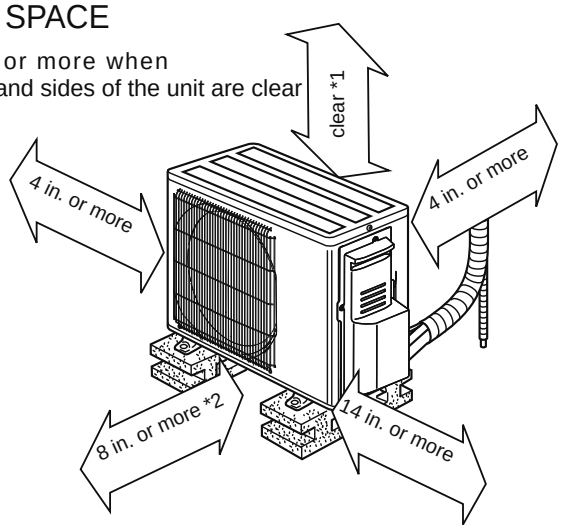
© 2020 Mitsubishi Electric Trane HVAC US LLC. All rights reserved.

DIMENSIONS: MUFZ-KJ12NAHZ

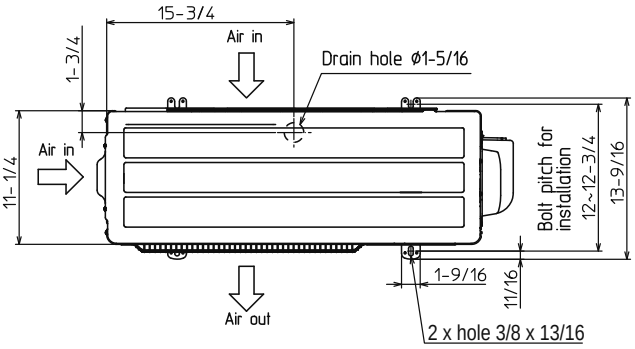
Unit: inch

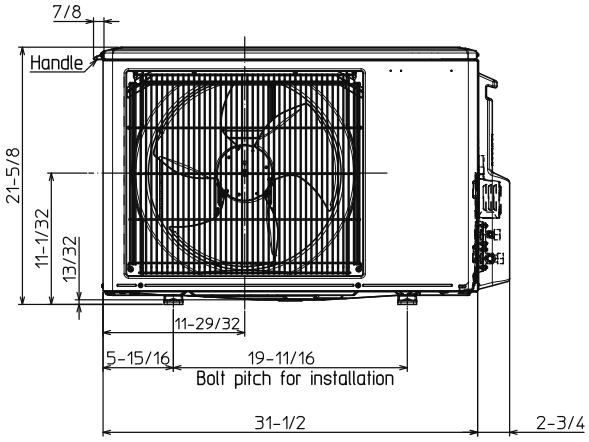
REQUIRED SPACE

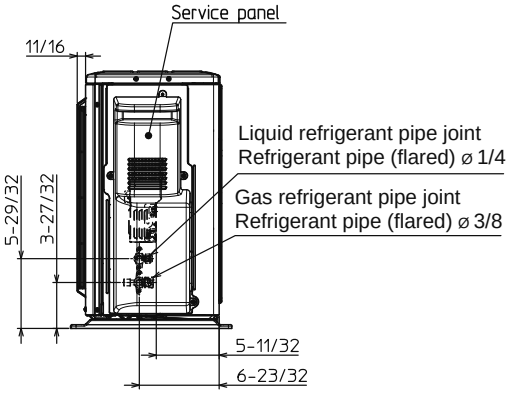
*1 4 in. or more when
front and sides of the unit are clear



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







1340 Satellite Boulevard, Suwanee, GA 002430024
Toll Free: 800-433-4822 www.mehvac.com

FORM# MFZ-KJ12NA / MUFZ-KJ12NAHZ - 202009

Specifications are subject to change without notice.

© 2020 Mitsubishi Electric Trane HVAC US LLC. All rights reserved.