MITSUBISHI ELECTRIC
COOLING & HEATING

ENERGY STAR

M-SERIES

Inspections Division
Date: 01/12/18

SUBMITTAL DATA: MSZ-FH12NA & MUZ-FH12NA

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

Job Name:	
System Reference:	Date:

Indoor Unit: MSZ-FH12NA

Wireless Remote Controller

Outdoor Unit: MUZ-FH12NA

GENERAL FEATURES

- Highly energy-efficient system that features 100% heating capacity at 5°F, 82% at -4°F, and 62% at -13°F
- Updated sleek, compact indoor unit design
- Includes Standard, Platinum Deodorizing, and Anti-allergy Enzyme filters for a complete air purifying system
- "Powerful Mode" function permits system to temporarily run at a lower/higher temperature with an increased fan speed, which quickly brings the room to the optimum comfort level
- Integrated i-see Sensor automatically adjusts the unit's operation according to temperature differences detected between the floor and the intake air, ensuring optimum comfort and energy usage
- Hand-held Wireless Remote Controller
- Base Pan Heater is available as an option
- Limited warranty: five years parts and seven years compressors

ACCESSORIES

Outdoor Unit

- ☐ Base Pan Heater (MAC-640BH-U)
- ☐ Drain Socket (MAC-860DS)

Indoor Unit

- ☐ Condensate Pump (BlueDiamond X87-711/721; 115/230V)
- ☐ Condensate Pump (Sauermann SI30-115/230; 115/230V)
- ☐ Replacement Platinum Deodorizing Filter (MAC-3000FT-E)
- ☐ Replacement Anti-allergy Enzyme Filter (MAC-2330FT-E)

Controller Options

- ☐ Wireless Wall-mounted Remote Controller Kit (MHK1)*
- ☐ Portable Central Controller (MCCH1)*
- ☐ Outdoor Air Sensor (MOS1)*
- ☐ Wired Wall-mounted Controller (PAR-31MAA requires MAC-333IF)*
- ☐ Simple MA Remote Controller (PAC-YT53CRAU requires MAC-333IF)*

*See Submittal for information on each option

- ☐ System Control Interface (MAC-333IF)
- ☐ Remote Temperature Sensor (M21-JKO-307)
- ☐ Lockdown Bracket for Hand-held Controller (RCMKP1CB)

R410A INVERTER

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SPECIFICATIONS: MSZ-FH12NA & MUZ-FH12NA

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Cooling*1
Rated Capacity.....12,000 Btu/h
Capacity Range.....2,500 - 13,600 Btu/h
Rated Total Input .....870 W
Maximum Total Input .....1,150 W
SEER ..... 26.1 Btu/h/W

Heating at 47° F *2
Rated Capacity.....13,600 Btu/h
Capacity Range.....3,700 - 21,000 Btu/h
Rated Total Input .....950 W
Maximum Total Input .....2,300 W
HSPF..... 12.5 Btu/h/W

Heating at 17° F *3
Rated Capacity.....8,100 Btu/h
Maximum Capacity.....13,600 Btu/h
Rated Total Input .....720 W
Maximum Total Input.....1,900 W

Heating at 5° F *4
Maximum Capacity.....13,600 Btu/h
Maximum Total Input .....1,950 W

Rating Conditons:
*1 Cooling | Indoor: 80º F (27º C) DB / 67º F (19º C) WB
*1 Cooling | Outdoor: 95º F (35º C) DB / 75º F (24º C) WB
*2 Heating at 47ºF | Indoor: 70º F (21º C) DB / 60º F (16º C) WB
*2 Heating at 47ºF | Outdoor: 47º F (8º C) DB / 43º F (6º C) WB
*3 Heating at 17º F | Indoor: 70º F (21º C) DB / 60º F (16º C) WB
*3 Heating at 17º F | Outdoor: 17º F (-8º C) DB / 15º F (-9º C) WB
*4 Heating at 5º F | Indoor: 70º F (21º C) DB / 60º F (16º C) WB
*4 Heating at 5º F | Outdoor: 5º F (-15º C) DB / 5º F (-15º C) WB

Electrical Requirements
Power Supply.....208 / 230V, 1-Phase, 60 Hz
Breaker Size.....15 A

Voltage
Indoor - Outdoor S1-S2 . . . . . AC 208 / 230V
Indoor - Outdoor S2-S3 . . . . . DC +/- 24V
Indoor - Remote Controller . . . . . MHK1 DC 3V
PAR-31MAA DC 12V
PAC-YT53CRAU DC 12V

Operating Conditons
Cooling
Indoor Intake Air Temp ...(Max.) 90º F (32º C) DB / 73º F (23º C) WB
(Min.) 67º F (19º C) DB / 57º F (14º C) WB
Outdoor Intake Air Temp. . . . . (Max.) 115º F (46º C) DB
(Min.) 14º F (-10º C) DB

Heating
Indoor Intake Air Temp ...(Max.) 80º F (27º C) DB / 67º F (19º C) WB
(Min.) 70º F (21º C) DB / 60º F (16º C) WB
Outdoor Intake Air Temp. (Max.)75º F (24º C) DB / 65º F (18º C) WB
(Min.) -13º F (-25º C) DB / -15º F (-26º C) WB**

** System cuts out at -18º F (-28º C) to avoid thermistor error, but recovers from cutout operation and automatically restarts at -14º F (-26ºC).

Indoor Unit
MCA .....1.0 A
Blower Motor (ECM).....0.67 F.L.A.
Blower Motor Output.....30 W

Airflow (Lo - Med - Hi - Super Hi - Powerful)
Cooling.....137-167-221-304-398 Dry CFM
117-143-190-261-342 Wet CFM
Heating.....140-167-225-325-454 Dry CFM

Sound Pressure Level (Lo - Med - Hi - Super Hi - Powerful)
Cooling.....21-24-29-36-41dB(A)
Heating.....21-24-29-36-42 dB(A)

External Finish Color .....Munsell 1.0Y 9.2/0.2

External Dimensions
Inches: .....12 + 11/16 H x 36-7/16 W x 9-3/16 D
mm: .....305 +17 H x 925 W x 234 D

Weight Unit .....29 lbs. / 12 kg

Field Drainpipe Size O.D. .....19/32 In. (15mm)

Outdoor Unit
MCA .....11 A
Fan Motor (ECM) .....0.50 F.L.A.

Sound Pressure Level
Cooling *1.....49 dB(A)
Heating *2 .....51 dB(A)

External Finish Color .....Munsell 3Y 7.8/1.1

Dimensions
Inches:.....21-5/8 H x 31-1/2 W x 11-1/4 D
mm: .....550 H x 800 W x 285 D

Weight ..... 83 Lbs.

Refrigerant Type..... R410A

Refrigerant Pipe
Gas Side O.D.....3/8" x 9.52 mm
Liquid Side O.D.....1/4" x 6.35 mm

Max. Refrigerant Pipe Length
Height Difference .....40' / 12m
Length .....65' / 20m

Connection Method
Indoor/Outdoor.....Flared

Notes:

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DIMENSIONS: MSZ-FH12NA & MUZ-FH12NA

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MSZ-FH12NA

Unit: mm (in.)

MUZ-FH12NA

Unit: mm (in.)

AHRI CERTIFIED™ www.ahridirectory.org
Unitary Small HP
AHRI Standard 210/240
Certification applies only when the complete system is listed with AHRI.

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