MITSUBISHI ELECTRIC
COOLING & HEATING

M-SERIES

Inspections Division
Date: 06/13/17

# SUBMITTAL DATA: MSZ-FH15NA & MUZ-FH15NA

## 15,000 BTU/H WALL-MOUNTED HEAT PUMP SYSTEM

| | | |
|---|---|---|
| Job Name: | Location: | Date: |
| Purchaser: | Engineer: | |
| Submitted to: | For ☐Reference ☐Approval ☐Construction | |
| System Designation: | Schedule No.: | |

Indoor Unit: MSZ-FH15NA

Outdoor Unit: MUZ-FH15NA

Wireless Remote Controller

### 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 heater is available as an option
- Limited warranty: five years parts and seven years compressors

### ACCESSORIES

**Outdoor Unit**

- ☐ Base Heater (MAC-642BH-U)
- ☐ Three-pole Disconnect Switch (TAZ-MS303)
- ☐ Air Outlet Guide (MAC-856SG)
- ☐ Mounting Base (DSD-400N)
- ☐ Mounting Pad (ULTRILITE1)
- ☐ Drain Socket Assembly (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-FH15NA & MUZ-FH15NA

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**Cooling *1**
Rated Capacity ..... 15,000 Btu/h
Capacity Range ..... 6,450 - 19,000 Btu/h
Rated Total Input ..... 1,200 W
Maximum Total Input ..... 2,200 W
SEER ..... 22.0 Btu/h/W

**Heating at 47° F *2**
Rated Capacity ..... 18,000 Btu/h
Capacity Range ..... 5,150 - 24,000 Btu/h
Rated Total Input ..... 1,300 W
Maximum Total Input ..... 3,360 W
HSPF ..... 12.0 Btu/h/W

**Heating at 17° F *3**
Rated Capacity ..... 11,000 Btu/h
Maximum Capacity ..... 18,000 Btu/h
Rated Total Input ..... 1,020 W
Maximum Total Input ..... 2,480 W

**Heating at 5° F**
Maximum Capacity ..... 18,000 Btu/h
Maximum Total Input ..... 3,000 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 ..... 20 A

**Voltage**
Indoor - Outdoor S1-S2 ..... AC 208 / 230V
Indoor - Outdoor S2-S3 ..... DC +/- 24V
Indoor - Remote Controller ..... MKH1 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 -13º F (-25ºC).

**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 ..... 225-262-304-355-411 Dry CFM
194-225-261-305-354 Wet CFM
Heating ..... 201-254-317-394-497 Dry CFM

Sound Pressure Level (Lo - Med - Hi - Super Hi - Powerful)
Cooling ..... 27-31-35-39-44 dB(A)
Heating ..... 25-29-34-39-46 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 ..... 16 A
Fan Motor (ECM) ..... 0.93 F.L.A.

Sound Pressure Level
Cooling *1 ..... 51 dB(A)
Heating *2 ..... 55 dB(A)

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

Dimensions
Inches ..... 34-5/8 H x 33-1/16 W x 13 D
mm: ..... 880 H x 840 W x 330

Weight ..... 124 lbs. / 56 kg

Refrigerant Type ..... R410A

Refrigerant Pipe
Gas Side O.D. ..... 1/2" x 12.7 mm
Liquid Side O.D. ..... 1/4" x 6.35 mm

Refrigerant Pipe Length
Height Difference (Max.) ..... 50' x 15m
Length (Max.) ..... 100' x 30m

Connection Method
Indoor/Outdoor ..... Flared

Notes:

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# DIMENSIONS: MSZ-FH15NA & MUZ-FH15NA

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## MSZ-FH15NA

Unit: mm (in.)

## MUZ-FH15NA

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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