MITSUBISHI ELECTRIC
COOLING & HEATING

ENERGY STAR

M-

SUBMITTAL DATA: MSZ-FH18NA & MUZ-FH18NA

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

Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Job Name:

System Reference:

Date: 03/31/16

Indoor Unit: MSZ-FH18NA

Wireless Remote Controller

Outdoor Unit: MUZ-FH18NA

GENERAL FEATURES

- Highly energy-efficient system that features 100% heating capacity at 5° 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
- Base Pan Heater is available as an option
- Limited warranty: five years parts and seven years compressors

ACCESSORIES

Outdoor Unit

- □ Base Pan Heater (MAC-642BH-U)
- □ Three-pole Disconnect Switch (TAZ-MS303)
- □ Air Outlet Guide (MAC-886SG-E)
- □ Mounting Base (DSD-400N)
- □ Mounting Pad (ULTRILITE1)
- □ Drain Socket Assembly (MAC-851DS)

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

R410A INVERTER

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Cooling *1
- Rated Capacity ..... 17,200 Btu/h
- Capacity Range ..... 6,450 ~ 21,000) Btu/h
- Rated Total Input ..... 1,430 W
- Maximum Total Input ..... 2,220 W
- SEER ..... 21.0 Btu/h/W

Heating at 47° F *2
- Rated Capacity ..... 20,300 Btu/h
- Capacity Range ..... 5,150 - 30,000 Btu/h
- Rated Total Input ..... 1,720 W
- Maximum Total Input ..... 3,390 W
- HSPF ..... 12.0 Btu/h/W

Heating at 17° F *3
- Rated Capacity ..... 13,700 Btu/h
- Maximum Capacity ..... 20,300 Btu/h
- Rated Total Input ..... 1,320 W
- Maximum Total Input ..... 3,180 W

Heating at 5° F
- Maximum Capacity ..... 20,300 Btu/h

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 ..... 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 / -14º 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 .....
- Blower Motor (ECM) .....
- Blower Motor Output .....

Airflow (Lo - Med - Hi - Super Hi - Powerfu
- Cooling 225-2
  194-2
- Heating 201-2

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. ..... 5/8 In. / 15mm

Outdoor Unit
- MCA ..... 16 A
- Fan Motor (ECM) ..... 0.93 F.L.A.

Sound Pressure Level
- Cooling *1 ..... 52 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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MSZ-FH18NA

MUZ-FH18NA

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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MITSUBISHI ELECTRIC
COOLING & HEATING

1340 Satellite Boulevard
Suwanee, GA 30024
Tele: 678-376-2900 • Fax: 800-889-9904
Toll Free: 800-433-4822
www.mehvac.com

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