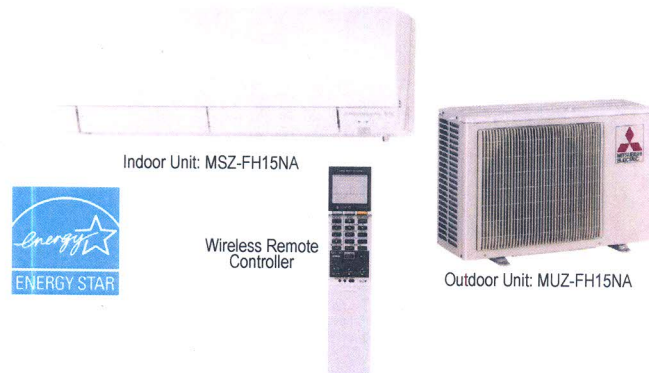


**SUBMITTAL DATA: MSZ-FH15NA & MUZ-FH15NA**  
 15,000 BTU/H WALL-MOUNTED HEAT PUMP SYSTEM

Job Name: <i>Virginia Smith</i>	Location: <i>457 Island</i>	Date: <i>8-10-17</i>
Purchaser: <i>Doggin Energy</i>	Engineer: <i>Avenue, Peaks Island</i>	
Submitted to: <i>City of Portland</i>	For <input type="checkbox"/> Reference <input type="checkbox"/> Approval <input type="checkbox"/> Construction	
System Designation: <i>n/a</i>	Schedule No.: <i>n/a</i>	


**GENERAL FEATURES**

- Highly energy-efficient system with quiet operation
- Updated sleek, compact indoor unit design
- Includes Nano Platinum and Anti-allergy Enzyme filters
- "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
- Hand-held Wireless Remote Controller
- 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 (Saueremann SI30-115/230; 115/230V)
- Replacement Anti-allergy Enzyme Filters (MAC-2310FT-E; 2/set)

**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)



# SPECIFICATIONS : MSZ-FH15NA & MUZ-FH15NA

## 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 Conditions:

- \*1 Cooling | Indoor: 80° F (27° C) DB / 67° F (19° C) WB
- \*1 Cooling | 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
- \*2 Heating at 47°F | 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
- \*3 Heating at 17° F | 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
- \*4 Heating at 5° F | Outdoor: 5° F (-15° C) DB / 5° F (-15° 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 Conditions

### Cooling

Indoor Intake Air Temp. . . (Max.)	90° F (32° C) DB / 73° F (23° C) WB
	(Min.) 67° F (19° C) DB / 57° F (14° C) WB

Outdoor Intake Air Temp. . . . . (Max.)	115° F (46° C) DB
	(Min.) 14° F (-10° C) DB

### Heating

Indoor Intake Air Temp. . . (Max.)	80° F (27° C) DB / 67° F (19° C) WB
	(Min.) 70° F (21° C) DB / 60° F (16° C) WB

Outdoor Intake Air Temp. (Max.)	75° F (24° C) DB / 65° F (18° C) WB
	(Min.) -13° F (-25° C) DB / -15° F (-26° C) WB**

\*\* System cuts out at -18° F (-28° C) to avoid thermistor error, but recovers from cutout operation and automatically restarts at -13° F (-25° C).

## 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 .....

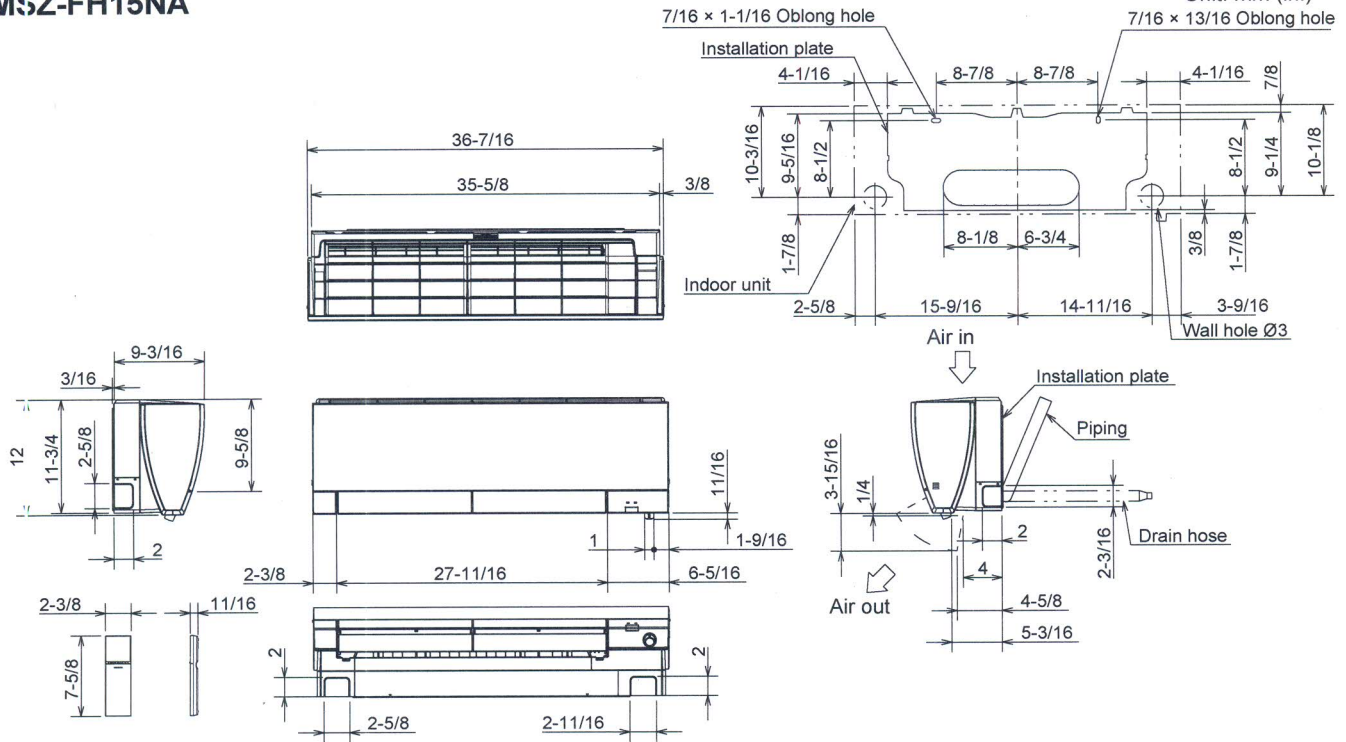
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## Notes:

# DIMENSIONS: MSZ-FH15NA & MUZ-FH15NA

## MSZ-FH15NA

Unit: mm (in.)

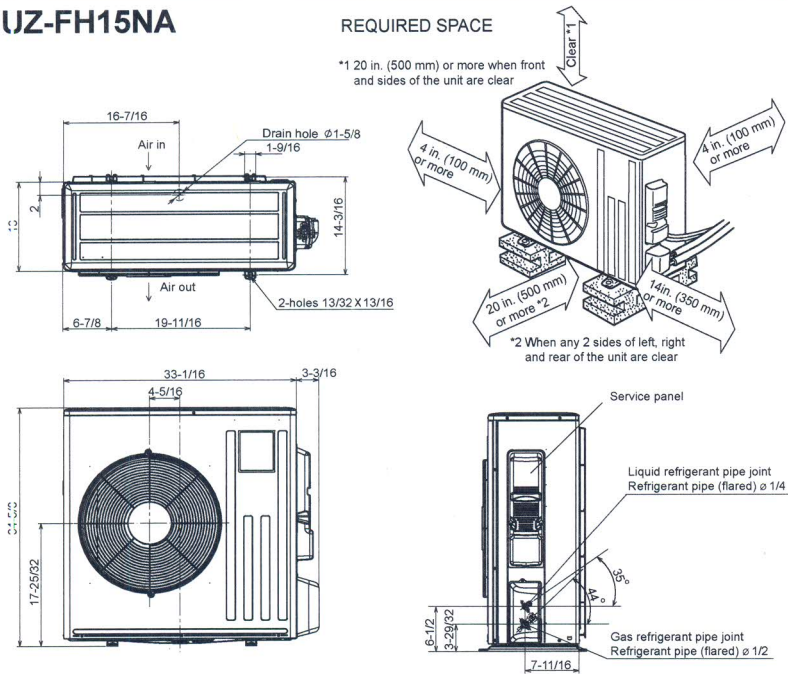


## MUZ-FH15NA

Unit: mm (in.)

### REQUIRED SPACE

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



**Intertek**



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