

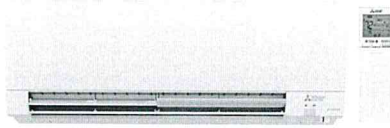
**MSZ-FS15NA & MUZ-FS15NAH**  
**15,000 BTU/H DELUXE WALL-MOUNTED INDOOR UNIT**  
**15,000 BTU/H HYPER-HEATING OUTDOOR UNIT W/BASE PAN HEATER**



Job Name:

System Reference:

Date:



Indoor Unit.....MSZ-FS15NA

Outdoor Unit.....MUZ-FS15NAH



**INDOOR UNIT FEATURES**

- Slim wall-mounted indoor units provide zone comfort control
- Dual Barrier Coating applied to the heat exchanger, vanes and fan to prevent hydrophilic and hydrophobic dirt build-up
- Multiple fan speed options: Quiet, Low, Medium, High, Super-high, Auto
- 3D i-see Sensor® enables advance features:
  - Indirect or Direct Airflow for personalized comfort
  - Absence Detection for energy-saving mode
- Double Vane features:
  - Separates airflow to deliver air across a large area
  - Simultaneously deliver to air separate sections of a room
  - Generates more comfortable natural airflow pattern
- Multiple control options available:
  - Back-lit screen handheld remote controller (provided with unit)
  - kumo cloud® smart device app for remote access
  - Third-party interface options
  - Wired or wireless controllers
- Triple-action Filtration: Nano Platinum Filter, Deodorizing Filter, & Electrostatic Anti-Allergy Enzyme Filter
- Hot-Start Technology: no cold air rush at equipment startup or when restarting after Defrost Cycle
- Quiet operation

**OUTDOOR UNIT FEATURES**

- INVERTER-driven compressor and LEV provide high efficiency and comfort while using only the energy needed to maintain maximum performance
- H2i plus™ performance offers 100% heating capacity at -5° and 70% to 81% heating capacity at -13° F
- Blue Fin anti-corrosion treatment applied to the outdoor unit heat exchanger for increased coil protection and longer life
- Built-in base pan heater

## SPECIFICATIONS: MSZ-FS15NA & MUZ-FS15NAH

Cooling at 95°F <sup>1</sup>	Maximum Capacity	BTU/H	19,000
	Rated Capacity	BTU/H	14,000
	Minimum Capacity	BTU/H	6,450
	Maximum Power Input	W	2,010
	Rated Power Input	W	1,000
	Moisture Removal	Pints/h	4.0
	Sensible Heat Factor		0.70
Heating at 47°F <sup>2</sup>	Power Factor [208V / 230V]	%	96.0 / 96.0
	Maximum Capacity	BTU/H	24,000
	Rated Capacity	BTU/H	16,000
	Minimum Capacity	BTU/H	5,150
	Maximum Power Input	W	3,360
	Rated Power Input	W	1,155
Heating at 17°F <sup>3</sup>	Power Factor [208V / 230V]	%	98.0 / 98.0
	Maximum Capacity	BTU/H	22,730
	Rated Capacity	BTU/H	10,000
	Maximum Power Input	W	3,210
Heating at 5°F <sup>4</sup>	Rated Power Input	W	950
	Maximum Capacity	BTU/H	19,360
Heating at -5°F <sup>5</sup>	Maximum Power Input	W	2,730
Heating at -13°F <sup>7</sup>	Maximum Capacity	BTU/H	16,000
Efficiency	Maximum Capacity	BTU/H	14,400
	SEER   SEER2		22.2   21.0
	EER <sup>1</sup>   EER2 <sup>1</sup>		14.0   14.0
	HSPF [IV]   HSPF2 [IV]		12.0   9.9
	COP at 47°F <sup>2</sup>		4.06
	COP at 17°F at Maximum Capacity <sup>3</sup>		2.08
	COP at 5°F at Maximum Capacity <sup>4</sup>		1.91
Electrical	COP at -5°F at Maximum Capacity <sup>5</sup>		1.91
	COP at -13°F at Maximum Capacity <sup>7</sup>		1.9
	Voltage, Phase, Frequency		208/230, 1, 60
	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	20
	Recommended Wire Size [Indoor - Outdoor]	AWG	14
	Power Supply		Indoor unit is powered by the outdoor unit
Indoor Unit	MCA	A	1.0
	Fan Motor Full Load Amperage	A	0.65
	Fan Motor Type		DC Motor
	Airflow Rate at Cooling, Dry	CFM	225-262-304-355-437
	Airflow Rate at Cooling, Wet	CFM	194-225-261-305-376
	Airflow Rate at Heating, Dry	CFM	201-272-350-410-514
	Sound Pressure Level [Cooling]	dB[A]	27-31-35-39-44
	Sound Pressure Level [Heating]	dB[A]	25-31-37-40-46
	Drain Pipe Size	In. [mm]	5/8 [15.88]
	Coating on Heat Exchanger		Dual Barrier Coating
	External Finish Color		Munsell 1.0Y 9.2/0.2
	Unit Dimensions	W x D x H: In. [mm]	36-7/16 x 9-3/16 x 12 (+11/16) [925 x 234 x 305 (+17)]
	Package Dimensions	W x D x H: In. [mm]	39 x 12-1/4 x 15-1/2 [990 x 310 x 400]
Unit Weight	Lbs. [kg]	29 [13.5]	
Package Weight	Lbs. [kg]	34 [15.4]	
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

### NOTES:

AHRI Rated Conditions

(Rated data is determined at a fixed compressor speed)

<sup>1</sup> Cooling (Indoor // Outdoor)	°F	80 DB, 67 WB // 95 DB, 75 WB
<sup>2</sup> Heating at 47°F (Indoor // Outdoor)	°F	70 DB, 60 WB // 47 DB, 43 WB
<sup>3</sup> Heating at 17°F (Indoor // Outdoor)	°F	70 DB, 60 WB // 17 DB, 15 WB

Conditions

<sup>4</sup> Heating at 5°F (Indoor // Outdoor)	°F	70 DB, 60 WB // 5 DB, 4 WB
<sup>5</sup> Heating at -5°F (Indoor // Outdoor)	°F	70 DB, 60 WB // -5 DB, -6 WB
<sup>7</sup> Heating at -13°F (Indoor // Outdoor)	°F	70 DB, 60 WB // -13 DB, -14 WB

\*Indoor/Outdoor Unit Operating Temperature Range (Cooling Air Temp [Maximum / Minimum]):

• Applications should be restricted to comfort cooling only; equipment cooling applications are not recommended for low ambient temperature conditions.

\*\*Outdoor Unit Operating Temperature Range (Cooling Thermal Lock-out / Re-start Temperatures; Heating Thermal Lock-out / Re-start Temperatures):

• System cuts out in heating mode to avoid thermistor error and automatically restarts at these temperatures.

## SPECIFICATIONS: MSZ-FS15NA & MUZ-FS15NAH

Outdoor Unit	MCA	A	18.0
	MOCP	A	20
	Fan Motor Full Load Amperage	A	0.93
	Fan Motor Output	W	50
	Airflow Rate [Cooling / Heating]	CFM	1801 / 1949
	Refrigerant Control		LEV
	Defrost Method		Reverse Cycle
	Coating on Heat Exchanger		Blue Fin Coating
	Sound Pressure Level, Cooling <sup>1</sup>	dB(A)	51
	Sound Pressure Level, Heating <sup>2</sup>	dB(A)	55
	Compressor Type		Twin Rotary
	Compressor Model		SNB172FQKMT
	Compressor Rated Load Amps	A	17
	Compressor Locked Rotor Amps	A	13.6
	Compressor Oil [Type // Charge]	oz.	FV50S // 0.40
	External Finish Color		Munsell 3Y 7.8/1/1
	Base Pan Heater		Built-in
	Unit Dimensions	W x D x H: In. [mm]	33-1/16 x 13 x 34-5/8 [840 x 330 x 880]
	Package Dimensions	W x D x H: In. [mm]	38-3/4 x 16-3/4 x 39 [980 x 420 x 990]
	Unit Weight	Lbs. [kg]	118 [53.5]
Package Weight	Lbs. [kg]	135 [61]	
Outdoor Unit Operating Temperature Range	Cooling Air Temp [Maximum / Minimum]*	*F	115 DB / 14 DB
	Cooling Thermal Lock-out / Re-start Temperatures**	*F	-4 / 0
	Heating Air Temp [Maximum / Minimum]	*F	75 DB, 65 WB / -13 DB, -14 WB
	Heating Thermal Lock-out / Re-start Temperatures**	*F	-18 / -14
Refrigerant	Type		R410A
	Pre-Charged Refrigerant Amount	Lbs, oz	3.0, 7.0
	Maximum Pre-Charged Piping Length	Ft. [m]	25.0 [7.5]
	Additional Refrigerant Charge Per Additional Piping Length	oz./Ft. [g/m]	0.216 [20]
Piping	Gas Pipe Size O.D. [Flared]	In.[mm]	1/2 [12.7]
	Liquid Pipe Size O.D. [Flared]	In.[mm]	1/4 [6.35]
	Maximum Piping Length	Ft. [m]	100 [30]
	Maximum Height Difference	Ft. [m]	50 [15]
	Maximum Number of Bends		10

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