Job Name:		
System Reference:		Date:

Indoor Unit: MSZ-FH15NA	Outdoor Unit: MUZ-FH15NAH	Wireless Remote Controller

GENERAL FEATURES

- Slim wall-mounted indoor units provide zone comfort control.
- The outdoor unit powers the indoor unit, and should a power outage occur, the system is automatically restarted when power returns.
- INVERTER-driven compressor and LEV provide high efficiency and comfort while using only the energy needed to maintain maximum performance
- H2i® - Hyper Heat Performance offers 100% heating capacity at 5°F and 70%-81% heating capacity at -13°F
- 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 air to two people in different locations
  - Generates more comfortable natural airflow pattern
- Multiple control options available:
  - Hand-held 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
- Blue Fin anti-corrosion treatment applied to the outdoor unit heat exchanger for increased coil protection and longer life
- Built-in base pan heater to prevent ice in drain pan

SPECIFICATIONS: MSZ-FH15NA & MUZ-FH15NAH

Cooling[1]	Maximum Capacity	Btu/h	19,000
	Rated Capacity	Btu/h	15,000
	Minimum Capacity	Btu/h	6,450
	Maximum Power Input	W	2,200
	Rated Power Input	W	1,200
	Moisture Removal	Pints/h	4.0
	Sensible Heat Factor		0.70
	Power Factor	%	97 / 97
Heating at 47°F[2]	Maximum Capacity	Btu/h	24,000
	Rated Capacity	Btu/h	18,000
	Minimum Capacity	Btu/h	5,150
	Maximum Power Input	W	3,360
	Rated Power Input	W	1,300
	Power Factor	%	97 / 97
Heating at 17°F[3]	Maximum Capacity	Btu/h	18,000
	Rated Capacity	Btu/h	11,000
	Maximum Power Input	W	2,480
	Rated Power Input	W	1,020
Heating at 5°F[4]	Maximum Capacity	Btu/h	18,000
	Maximum Power Input	W	3,070
Heating at -4°F[5]	Maximum Capacity	Btu/h	16,200
Heating at -13°F[6]	Maximum Capacity	Btu/h	14,580
Efficiency	SEER		22.0
	EER[1]		12.5
	HSPF (IV)		11.0
	COP at 47°F[2]		4.06
	COP at 17°F in Maximum Capacity[3]		2.13
	COP at 5°F in Maximum Capacity[4]		1.72
	ENERGY STAR® Certified (ENERGY STAR products are third-party certified by an EPA-recognized Certification Body.)		YES
Electrical	Voltage, Phase, Frequency		208/230V, 1 phase, 60Hz
	Guaranteed Voltage Range	V AC	187 - 253
	Voltage: Indoor - Outdoor, S1-S2	V AC	208 / 230
	Voltage: Indoor - Outdoor, S2-S3	V DC	24
	Voltage: Indoor - Remote Controller		Wireless Type
	Recommended Fuse/Breaker Size	A	20
	Recommended Wire Size (Indoor - Outdoor)	AWG	14
Indoor Unit	MCA	A	1
	MOCP	A	20
	Blower Motor Full Load Amperage	A	0.67
	Blower Motor Output	W	30

Specifications are subject to change without notice.

SPECIFICATIONS: MSZ-FH15NA & MUZ-FH15NAH

	Airflow Rate at Cooling, Dry	CFM	411-355-304-262-225
	Airflow Rate at Cooling, Wet	CFM	354-305-261-225-194
	Airflow Rate at Heating, Dry	CFM	497-394-317-254-201
	Sound Pressure Level (Cooling)	dB(A)	44-39-35-31-27
	Sound Pressure Level (Heating)	dB(A)	46-39-34-29-25
	Drain Pipe Size	In. (mm)	5/8 (15.88)
	Heat Exchanger Type		Plate fin coil
	External Finish Color		Munsell 1.0Y 9.2/0.2
	Unit Dimensions	W: In. (mm)	36-7/16 (925)
		D: In. (mm)	9-3/16 [234]
		H: In. (mm)	12 (+11/16) (305 (+17])
	Package Dimensions	W: In. (mm)	39 (990)
		D: In. (mm)	12-1/4 (310)
		H: In. (mm)	12-3/16 (310)
	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
Outdoor Unit	MCA	A	16
	MOCP	A	20
	Fan Motor Full Load Amperage	A	0.93
	Fan Motor Output	W	77
	Airflow Rate	CFM	1,692 / 1,634
	Refrigerant Control		LEV
	Defrost Method		Reverse cycle
	Heat Exchanger Type		Plate fin coil
	Sound Pressure Level, Cooling[1]	dB(A)	51
	Sound Pressure Level, Heating[2]	dB(A)	55
	Compressor Type		DC INVERTER-driven
	Compressor Model		SNB172FQKMT
	Compressor Rated Load Amps	A	12.0
	Compressor Locked Rotor Amps	A	15.0
	Compressor Oil Type // Charge	oz.	FV50S // 13.5
	External Finish Color		Munsell 3Y 7.8/1/1
	Base Pan Heater		Built-in
	Unit Dimensions	W: In. (mm)	33-1/16 (840)
		D: In. (mm)	13 (330)
		H: In. (mm)	34-5/8 [880]
	Package Dimensions	W: In. (mm)	38-9/16 (980)
		D: In. (mm)	16-9/16 (420)
		H: In. (mm)	39 (990)

Specifications are subject to change without notice.

SPECIFICATIONS: MSZ-FH15NA & MUZ-FH15NAH

	Unit Weight	Lbs. (kg)	124 (56)
	Package Weight	Lbs. (kg)	143 (65)
Outdoor Unit Operating Temperature Range	Cooling Air Temp (Maximum / Minimum)*	°F	115 / 14
	Cooling Thermal Lock-out / Re-start Temperatures**	°F	-4 / 0
	Heating Air Temp (Maximum / Minimum)	°F	75 / -13
	Heating Thermal Lock-out / Re-start Temperatures**	°F	-18 / -14
Refrigerant	Type		R410A
	Charge	Lbs, oz	3, 7
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

Notes

AHRI Rated Conditions (Rated data is determined at a fixed compressor speed)	[1]Cooling (Indoor // Outdoor)	°F	80 DB, 67 WB // 95 DB, 75 WB
	[2]Heating at 47°F (Indoor // Outdoor)	°F	70 DB, 60 WB // 47 DB, 43 WB
	[3]Heating at 17°F (Indoor // Outdoor)	°F	70 DB, 60 WB // 17 DB, 15 WB
Conditions	[4]Heating at 5°F (Indoor // Outdoor)	°F	70 DB, 60 WB // 5 DB, 4 WB
	[5]Heating at -4°F (Indoor // Outdoor)	°F	70 DB, 60 WB // -4 DB, -5 WB
	[6]Heating at -13°F (Indoor // Outdoor)	°F	70 DB, 60 WB // -13 DB, -14 WB

*Applications should be restricted to comfort cooling only; equipment cooling applications are not recommended for low ambient temperature conditions.
**System cuts out in heating mode to avoid thermistor error and automatically restarts at these temperatures.

Deodorizing Filter	□ MAC-3000FT-E
Electrostatic Anti-allergy Enzyme Filter	□ MAC-2330FT-E
Backlit, Wall-mounted, Wireless Controller	□ MHK1
Portable Central Controller	□ MCCH1
Wired MA Controller[1]	□ PAR-33MAA
Simple MA Controller[1]	□ PAC-YT53CRAU
Touch MA Controller[1]	□ PAR-CT01MAU-SB
Wired Remote Sensor	□ M21-EAA-307
Wireless Temperature and Humidity Sensor	□ PAC-USWHS003-TH-1
Outside Air Sensor for MHK1	□ MOS1
System Control Interface[2]	□ MAC-333IF-E
Wireless Interface	□ PAC-USWHS002-WF-1
Thermostat Interface	□ PAC-US444CN-1
kumo station®	□ PAC-WHS01HC-E
USNAP Interface	□ PAC-WHS01UP-E
IT Extender	□ PAC-WHS01IE-E
BACnet® and MODBUS® Interface	□ PAC-UKPRC001-CN-1
External Fan / Heater Control Relay Adapter	□ CN24RELAY-KIT-CM3
Lockdown Bracket for Hand-held Remote Controllers	□ RCMKP1CB
Blue Diamond Sensor Extension Cable — 15 Ft.	□ C13-103
Blue Diamond Alarm Extension Cable — 6.5 Ft.	□ C13-192
Blue Diamond MultiTank — collection tank for use with multiple pumps	□ C21-014
Blue Diamond Rubber Foot Pads	□ F10-010
Mini Condensate Pump — 230 volt application	□ SI30-230
MegaBlue Advanced Blue Diamond Condensate Pump w/ Reservoir & Sensor	□ X87-835 - 110 to 250V
MaxiBlue Advanced Blue Diamond Mini Condensate Pump w/ Reservoir & Sensor (110V) up to 48,000 Btu/h [recommended]	□ X87-711 - 110V
Advanced Blue Diamond Mini Condensate Pump w/ Reservoir & Sensor (208/230V) [recommended]	□ X87-721 - 208/230V
MicroBlue Blue Diamond Mini Condensate Pump (110/208/230V) up to 18,000 Btu/h	□ X85-003
Fascia Kit for MicroBlue Pump – mounts the MicroBlue and sensor directly beneath the indoor unit	□ T18-016
Drain Pan Level Sensor	□ DPLS2
(30A/600V/UL) [fits 2" X 4" utility box] - Black	□ TAZ-MS303
(30A/600V/UL) [fits 2" X 4" utility box] - White	□ TAZ-MS303W

[1] Requires MAC-333IF-E

[2] Allows indoor units to connect to an MA Controller

ACCESSORIES: MUZ-FH15NAH

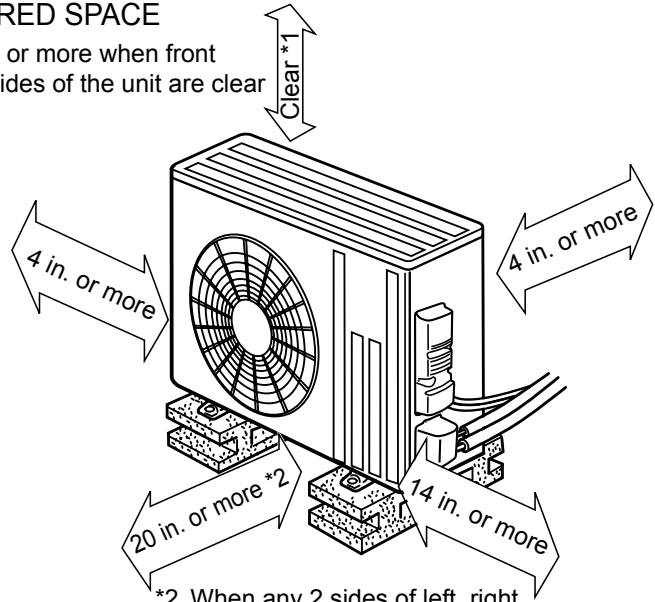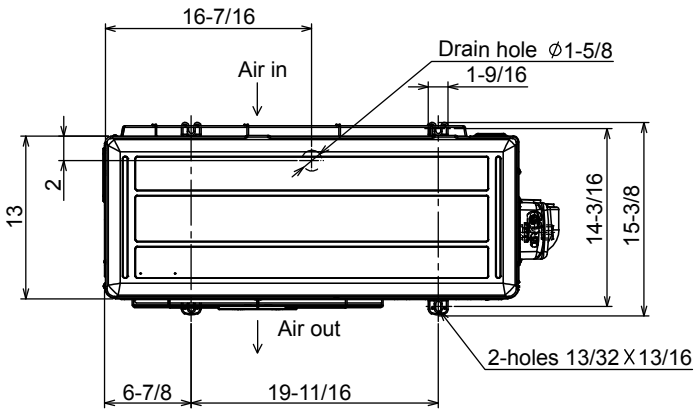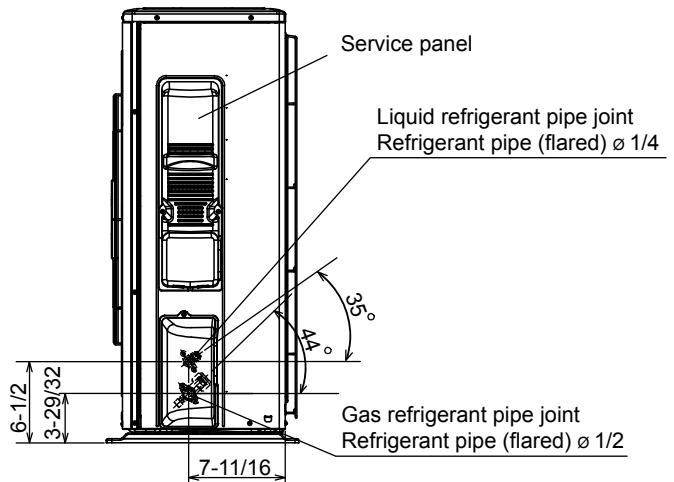|	
Air Outlet Guide	□ MAC-886SG-E
Hail Guard	□ HG-A7
Outdoor Unit 3-1/4 inch Mounting Base (Pair) - Plastic	□ DSD-400P
Condensing Unit Mounting Pad 16" x 36" x 3"	□ ULTRILITE1
Outdoor Unit Stand — 12" High	□ QSMS1201M
Outdoor Unit Stand — 18" High	□ QSMS1801M
Outdoor Unit Stand — 24" High	□ QSMS2401M
Heavy Duty Wall Mounting Bracket— Coated Steel	□ QSWB2000M-1
Heavy Duty Wall Mounting Bracket — 316 Series Stainless Steel	□ QSWBSS
15' x 1/4" x 15' / 1/2" Lineset (Twin-Tube Insulation)	□ MLS141212T-15
30' x 1/4" x 30' / 1/2" Lineset (Twin-Tube Insulation)	□ MLS141212T-30
50' x 1/4" x 50' / 1/2" Lineset (Twin-Tube Insulation)	□ MLS141212T-50
65' x 1/4" x 65' / 1/2" Lineset (Twin-Tube Insulation)	□ MLS141212T-65
100' x 1/4" x 100' / 1/2" Lineset (Twin-Tube Insulation)	□ MLS141212T-100

DIMENSIONS: MSZ-FH15NA

Unit: inch

7/16 × 1-1/16 Oblong hole
Installation plate
7/16 × 13/16 Oblong hole
Indoor unit
Air in
Wall hole Ø3
Air out
Installation plate
Piping
Drain hose

(Capacities in kBtu/h: 06, 09,12)

Piping		
Insulation	Ø1-7/16 O.D
Liquid line	Ø1/4 19-11/16 (Flared connection Ø1/4)
Gas line	Ø3/8 16-15/16 (Flared connection Ø3/8)
Drain hose	Insulation Ø1-1/8 Connected part Ø5/8 O.D

(Capacities in kBtu/h: 15, 18)

Piping		
Insulation	Ø1-7/16 O.D
Liquid line	Ø1/4 19-11/16 (Flared connection Ø1/4)
Gas line	Ø3/8 16-15/16 (Flared connection Ø1/2)
Drain hose	Insulation Ø1-1/8 Connected part Ø5/8 O.D

Specifications are subject to change without notice.

Unit: inch

REQUIRED SPACE

*1 20 in. or more when front
and sides of the unit are clear

Clear *1

Air in

Drain hole ⌀1-5/8
1-9/16

16-7/16

13
2
14-3/16
15-3/8

Air out

6-7/8   19-11/16

2-holes 13/32 X 13/16

4 in. or more

4 in. or more

20 in. or more *2

14 in. or more

*2 When any 2 sides of left, right
and rear of the unit are clear
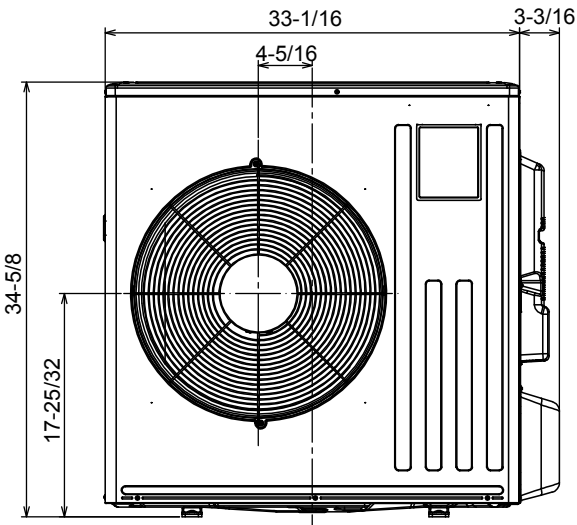
33-1/16   3-3/16

4-5/16

34-5/8

17-25/32

Service panel

Liquid refrigerant pipe joint
Refrigerant pipe (flared) ⌀ 1/4

35°
44°

6-1/2
3-29/32

7-11/16

Gas refrigerant pipe joint
Refrigerant pipe (flared) ⌀ 1/2

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