## MSZ-FS15NA 15,000 BTU/H DELUXE WALL MOUNT

#### Job Name:

System Reference:



Date:

- GENERAL 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<sup>®</sup>enables advance features:
  - Indirect or Direct Airflow for personalized comfort
  - Absence Detection for energy-saving mode
  - Double Vane features:
  - $\circ~$  Separates airflow to deliver air across a large area
  - $\circ~$  Simultaneously deliver to air separate sections of a room
  - o Generates more comfortable natural airflow pattern
- Multiple control options available:
  - Back-lit screen handheld remote controller (provided with unit)
  - kumo cloud<sup>®</sup>smart device app for remote access
  - Third-party interface options
  - $\circ~$  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

	Specifications		System
	Unit Type		MSZ-FS15NA
Cooling Capacity <sup>1, 3</sup>		BTU/H	14,000
Heating Capacity <sup>2, 3</sup>		BTU/H	16,000
	Voltage, Phase, Frequency		208/230, 1, 60
	Guaranteed Voltage Range	V AC	187- 253V
Electrical	Voltage: Indoor - Outdoor, S1-S2	V AC	208/230
	Voltage: Indoor - Outdoor, S2-S3	V DC	24
	Short-circuit Current Rating [SCCR]	kA	5
	MCA	A	1.0
	Fan Motor Full Load Amperage	A	0.65
	Fan Motor Output	W	40
	Airflow Rate at Cooling, Dry	CFM	225-272-304-355-437
	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
Indoor Unit	Sound Pressure Level [Heating]	dB[A]	25-31-37-40-46
	Drain Pipe Size		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]	39 x 12-1/4 x 15-1/2[990 x 310 x 400]
Refrigerant	rigerant Type		R410A
Dining	Gas Pipe Size O.D. [Flared]	In.[mm]	1/2 [12.7]
Piping	Liquid Pipe Size O.D. [Flared]	In.[mm]	1/4 [6.35]
NOTES: Conditions	<sup>1</sup> Cooling (Indoor // Outdoor) °F 80 DB, 67 WB // 95 D <sup>2</sup> Heating at 47°F (Indoor // Outdoor) °F 70 DB, 60 WB // 47 D		

<sup>3</sup>Capacity varies based on the number of indoor units operating and the model of the Multi-zone Outdoor Unit. For reference to connected capacity charts, please refer Multi-zone Outdoor Unit Operational Performance.:

## **INDOOR UNIT ACCESSORIES: MSZ-FS15NA**

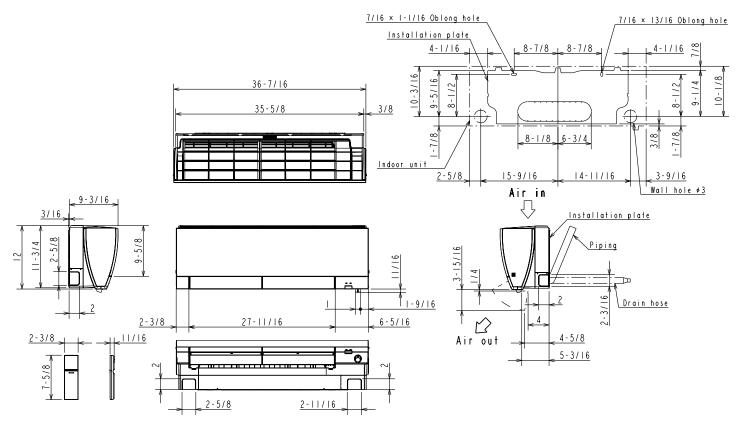
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	BACnet® and Modbus Interface	PAC-UKPRC001-CN-1
	CN24 Relay Kit	CN24RELAY-KIT-CM3
	IT Extender	PAC-WHS01IE-E
	kumo station® for kumo cloud®	PAC-WHS01HC-E
Control Interface	Lockdown bracket for remote controller	RCMKP1CB
	System Control Interface	MAC-334IF-E
	Thermostat Interface	PAC-US444CN-1
	USNAP Adapter	PAC-WHS01UP-E
	Wireless Interface for kumo cloud®	PAC-USWHS002-WF-2
Remote Sensor	Wired Remote Sensor	M21EAA307
Remote Sensor	Wireless temperature and humitity sensor for kumo cloud®	PAC-USWHS003-TH-1
	Deluxe Wired MA Remote Controller <sup>†</sup>	PAR-40MAAU
Wired Remote Controller	Simple MA Remote Controller <sup>†</sup>	PAC-YT53CRAU-J
	Touch MA Controller <sup>†</sup>	PAR-CT01MAU-SB
Wireless Remote Controller kumo touch <sup>™</sup> RedLINK <sup>™</sup> Wireless Controller		MHK2
	Blue Diamond (MicroBlue) Mini Condensate Pump (110/208/230V) up to 18,000 BTU/H	X85-003
	Blue Diamond Alarm Extension Cable — 6.5 Ft.	C13-192
	Blue Diamond MultiTank — collection tank for use with multiple pumps	C21-014
Condensate	Blue Diamond Sensor Extension Cable — 15 Ft.	C13-103
	Drain Pan Level Sensor/Control	SS610E
	Fascia Kit for MicroBlue Pump, mounts the MicroBlue and sensor directly beneath indoor unit	T18-016
	Sauermann Condensate Pump	SI30-230
	(30A/600V/UL) [fits 2" X 4" utility box] - Black	TAZ-MS303
Disconnect Switch	(30A/600V/UL) [fits 2" X 4" utility box] - White	TAZ-MS303W
	Electro Static Anti-allergy Enzyme Filter	MAC-2330FT-E
Filter	Platinum Deodorizing Filter	MAC-3000FT-E
	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
ineset	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

NOTES: \*Requires MAC-334IF-E • EZ FIT® Recessed Ceiling Cassette, Floor-mount and Wall-mount Allows indoor units to connect to an MA Controller: Deluxe MA Remote Controller Simple MA Controller Touch MA Controller

\*PAC-SF40RM-E (Unable to use with wireless remote controller)
 Ceiling Cassette, Ceiling Suspended, Horizontal-ducted and Multi-position Air Handler
 P-Series Ceiling Cassette, Ceiling Suspended, Horizontal-ducted and Multi-position Air Handler

## **INDOOR UNIT DIMENSIONS: MSZ-FS15NA**

## Unit: inch



# (06/09/12 KBTU/H) Piping

#### (15/18 KBTU/H)

,			,
⇒ Insulation ¢I-7/16 O.D		en Insulation	
∟Liquid line ∳1/4 19-11/16 (Flared con	nection #1/4)	Liquid line	♦ /4  9-  / 6 (Flared connection ♦ /4)
Gas line #3/8 16-15/16 (Flared con	nection #3/8)	Gas line	♦3/8  6- 5/ 6 (Flared connection ♦ /2)
Drain hose Insulation #1-1/8 Connect	ed part ¢5/8 O.D	Drain hose	Insulation #1-1/8 Connected part #5/8 O.D

#### 1340 Satellite Boulevard Suwanee, GA 30024 Toll Free: 800-433-4822 www.mehvac.com



FORM# MSZ-FS15NA-U1 - 202101

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



#### Job Name:

System Reference:

Date:



Indoor	Unit	MSZ-FS15NA
Outdoo	or 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
  - $\circ~$  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:
  - o Back-lit screen handheld remote controller (provided with unit)
  - kumo cloud<sup>®</sup> smart device app for remote access
  - o 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

	Sound Pressure Level [Cooling]	dB[A]	27–31–35–39–44
	Airflow Rate at Heating, Dry	CFM	201-272-350-410-514
	Airflow Rate at Cooling, Wet	CFM	194-225-261-305-376
	Airflow Rate at Cooling, Dry	CFM	225-262-304-355-437
	Fan Motor Output	W	40
	Fan Motor Full Load Amperage	А	0.65
	MCA	A	1.0
	Recommended Wire Size [Indoor - Outdoor]	AWG	14
	Recommended Fuse/Breaker Size (Oudoor)	A	20
	Short-circuit Current Rating [SCCR]	kA	5
Electrical	Voltage: Indoor - Outdoor, S2-S3	V DC	24
	Voltage: Indoor - Outdoor, S1-S2	VAC	208/230
	Guaranteed Voltage Range	V AC	187 - 253
	Voltage, Phase, Frequency	208/230, 1, 60	
	ENERGY STAR® Certified	Yes	
	COP at -13°F at Maximum Capacity <sup>7</sup>	1.9	
	COP at -5°F at Maximum Capacity <sup>6</sup>	1.91	
	COP at 5°F at Maximum Capacity <sup>4</sup>		1.91
Efficiency	COP at 17°F at Maximum Capacity <sup>3</sup>	2.08	
	COP at 47°F <sup>2</sup>	4.06	
	HSPF [IV]		12.0
	EER <sup>1</sup>		14.0
	SEER		22.2
Heating at -13°F <sup>7</sup>	Maximum Capacity	BTU/H	14,400
Heating at -5°F <sup>6</sup>	Maximum Capacity	BTU/H	16,000
leating at 5°F <sup>4</sup>	Maximum Power Input	W	2,730
	Maximum Capacity	BTU/H	19,360
	Rated Power Input	W	950
Heating at 17°F <sup>3</sup>	Maximum Power Input	W	3,210
	Rated Capacity	BTU/H	10,000
	Maximum Capacity	BTU/H	22,730
	Power Factor	%	98.0/98.0
	Rated Power Input	W	1,155
Heating at 47°F <sup>2</sup>	Maximum Power Input	W	3,360
	Minimum Capacity	BTU/H	5,150
	Maximum Capacity Rated Capacity	BTU/H	16,000
		BTU/H	24,000
	Sensible Heat Factor Power Factor	%	96.0/96.0
		Pints/n	0.7
	Moisture Removal	Pints/h	4.0
Cooling at 95°F1	Rated Power Input	W	1,000
	Maximum Capacity Maximum Power Input	W	2,010
	Minimum Capacity	BTU/H	6,450
	Maximum Capacity Rated Capacity	BTU/H BTU/H	<u>    19,000</u> 14,000

NOTES:

AHRI Rated Conditions (Rated data is determined at a fixed compressor speed)	<sup>1</sup> Cooling (Indoor // Outdoor) <sup>2</sup> Heating at 47°F (Indoor // Outdoor) <sup>3</sup> Heating at 17°F (Indoor // Outdoor)	°F °F °F	80 DB, 67 WB // 95 DB, 75 WB 70 DB, 60 WB // 47 DB, 43 WB 70 DB, 60 WB // 17 DB, 15 WB
Conditions	<sup>4</sup> Heating at 5°F (Indoor // Outdoor) <sup>5</sup> Heating at -4°F (Indoor // Outdoor) <sup>6</sup> Heating at -5°F (Indoor // Outdoor) <sup>7</sup> Heating at -13°F (Indoor // Outdoor)	°F °F °F	70 DB, 60 WB // 5 DB, 4 WB 70 DB, 60 WB // -4 DB, -5 WB 70 DB, 60 WB // -5 DB, -6 WB 70 DB, 60 WB // -13 DB, -14 WB

\*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. • For P-Series only:

Wind baffles required to operate below 23°F DB in cooling mode.
 Cooling-only system with wind baffle: 40°F - 115°F.
 Heat pump system with wind baffle: 0°F - 115°F.
 Refer to wind baffle documentation for further information.

Refer to wind baffle documentation for further information.
 \*\*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.
 SEACOAST PROTECTION (ONLY APPLIES TO P-SERIES -BS MODELS)
 External Outer Panel: Phosphate coating + Acrylic-Enamel coating
 Fan Motor Support: Epoxy resin coating (at edge face)
 Separator Assembly Valve Bed: Epoxy resin coating (at edge face)
 Blue Fin treatment is an anti-corrosion treatment that is applied to the condenser coil to protect it against airborne contaminants.

## SPECIFICATIONS: MSZ-FS15NA & MUZ-FS15NAH

	MCA	A	18.0
	MOCP	A	20
	Fan Motor Full Load Amperage	A	0.93
	Fan Motor Output	W	50
	Airflow Rate	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
Outdoor Unit	Compressor Type		Twin Rotary
	Compressor Model		SNB172FQKMT
	Compressor Rated Load Amps	A	17.0
	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]
	Cooling Air Temp [Maximum / Minimum]*	°F	115 DB / 14 DB
Outdoor Unit Operating Temperature	Cooling Thermal Lock-out / Re-start Temperatures**	°F	-4 / 0
Range	Heating Air Temp [Maximum / Minimum]	°F	75 DB, 65 WB / -13 DB, -14 WB
	Heating Thermal Lock-out / Re-start Temperatures**	°F	-18 / -14
	Туре		R410A
Refrigerant	Charge	Lbs, oz	3, 7
Reingerant	Chargeless Piping Length	Ft. [m]	25 [7.5]
	Additional Refrigerant Charge Per Additional Piping Length	oz./Ft. [g/m]	0.216 [20]
	Gas Pipe Size O.D. [Flared]	In.[mm]	1/2 [12.7]
	Liquid Pipe Size O.D. [Flared]	In.[mm]	1/4 [6.35]
Piping	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)	<sup>1</sup> Cooling (Indoor // Outdoor) <sup>2</sup> Heating at 47°F (Indoor // Outdoor) <sup>3</sup> Heating at 17°F (Indoor // Outdoor)	°F °F °F	80 DB, 67 WB // 95 DB, 75 WB 70 DB, 60 WB // 47 DB, 43 WB 70 DB, 60 WB // 17 DB, 15 WB
Conditions	<sup>4</sup> Heating at 5°F (Indoor // Outdoor) <sup>5</sup> Heating at -4°F (Indoor // Outdoor) <sup>6</sup> Heating at -5°F (Indoor // Outdoor) <sup>7</sup> Heating at -13°F (Indoor // Outdoor)	°F °F °F	70 DB, 60 WB // 5 DB, 4 WB 70 DB, 60 WB // -4 DB, -5 WB 70 DB, 60 WB // -5 DB, -6 WB 70 DB, 60 WB // -13 DB, -14 WB

\*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. • For P-Series only:

Wind baffles required to operate below 23°F DB in cooling mode.
 Cooling-only system with wind baffle: 40°F - 115°F.
 Heat pump system with wind baffle: 0°F - 115°F.
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 \*\*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.
 SEACOAST PROTECTION (ONLY APPLIES TO P-SERIES -BS MODELS)
 • External Outer Panel: Phosphate coating + Acrylic-Enamel coating
 • Fan Motor Support: Epoxy resin coating (at edge face)
 • Separator Assembly Valve Bed: Epoxy resin coating (at edge face)
 • Blue Fin treatment is an anti-corrosion treatment that is applied to the condenser coil to protect it against airborne contaminants.

## **INDOOR UNIT ACCESSORIES: MSZ-FS15NA**

		1
	BACnet® and Modbus Interface	PAC-UKPRC001-CN-1
	CN24 Relay Kit	CN24RELAY-KIT-CM3
	IT Extender	PAC-WHS01IE-E
	kumo station® for kumo cloud®	PAC-WHS01HC-E
Control Interface	Lockdown bracket for remote controller	RCMKP1CB
	System Control Interface	MAC-334IF-E
	Thermostat Interface	PAC-US444CN-1
	USNAP Adapter	PAC-WHS01UP-E
	Wireless Interface for kumo cloud®	PAC-USWHS002-WF-2
Remote Sensor	Wired Remote Sensor	M21EAA307
Remote Sensor	Wireless temperature and humitity sensor for kumo cloud®	PAC-USWHS003-TH-1
	Deluxe Wired MA Remote Controller <sup>†</sup>	PAR-40MAAU
Wired Remote Controller	Simple MA Remote Controller <sup>†</sup>	PAC-YT53CRAU-J
	Touch MA Controller <sup>†</sup>	PAR-CT01MAU-SB
Wireless Remote Controller kumo touch <sup>™</sup> RedLINK <sup>™</sup> Wireless Controller		MHK2
	Blue Diamond (MicroBlue) Mini Condensate Pump (110/208/230V) up to 18,000 BTU/H	X85-003
	Blue Diamond Alarm Extension Cable — 6.5 Ft.	C13-192
	Blue Diamond MultiTank — collection tank for use with multiple pumps	C21-014
Condensate	Blue Diamond Sensor Extension Cable — 15 Ft.	C13-103
	Drain Pan Level Sensor/Control	SS610E
	Fascia Kit for MicroBlue Pump, mounts the MicroBlue and sensor directly beneath indoor unit	T18-016
	Sauermann Condensate Pump	SI30-230
	(30A/600V/UL) [fits 2" X 4" utility box] - Black	TAZ-MS303
Disconnect Switch	(30A/600V/UL) [fits 2" X 4" utility box] - White	TAZ-MS303W
	Electro Static Anti-allergy Enzyme Filter	MAC-2330FT-E
Filter	Platinum Deodorizing Filter	MAC-3000FT-E
	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
ineset	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

NOTES: \*Requires MAC-334IF-E • M-Series EZ FIT® Recessed Ceiling Cassette, Floor-mount and Wall-mount Allows indoor units to connect to an MA Controller: Deluxe MA Remote Controller Simple MA Controller Touch MA Controller

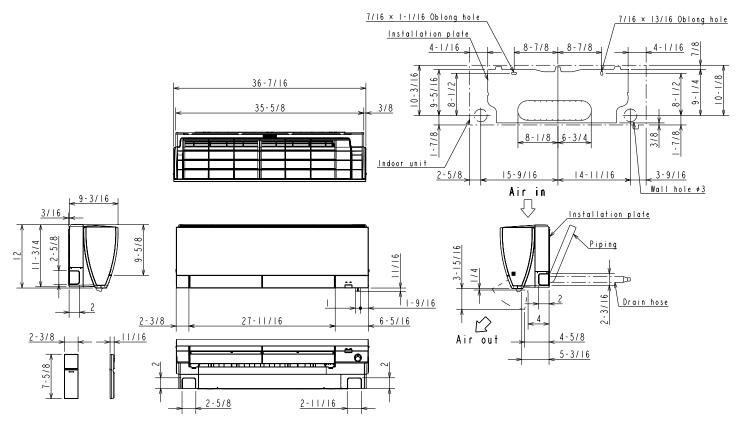
\*PAC-SF40RM-E (Unable to use with wireless remote controller)
 • M-Series Ceiling Cassette, Ceiling Suspended, Horizontal-ducted and Multi-position Air Handler
 • P-Series Ceiling Cassette, Ceiling Suspended, Horizontal-ducted and Multi-position Air Handler

## OUTDOOR UNIT ACCESSORIES: MUZ-FS15NAH

Condensate	Drain Socket	MAC-871DS
Hail Guards	Hail Guard	HG-A7
	14 Gauge, 4 wire MiniSplit Cable—250 ft. roll	S144-250
Mini-Split Wire	14 Gauge, 4 wire MiniSplit Cable—50 ft. roll	S144-50
	16 Gauge, 4 wire MiniSplit Cable—250 ft. roll	S164-250
	16 Gauge, 4 wire MiniSplit Cable—50 ft. roll	S164-50
Mounting Pad	Condensing Unit Mounting Pad: 16" x 36" x 3"	ULTRILITE1
Mounting Fau	Outdoor Unit 3-1/4 inch Mounting Base (Pair) - Plastic	DSD-400P
	18" Single Fan Stand	QSMS1801M
	24" Single Fan Stand	QSMS2401M
Stand	Condenser Wall Bracket	QSWB2000M-1
	Condenser Wall Bracket -Stainless Steel Finish	QSWBSS
	Outdoor Unit Stand — 12" High	QSMS1201M

## **INDOOR UNIT DIMENSIONS: MSZ-FS15NA**

## Unit: inch



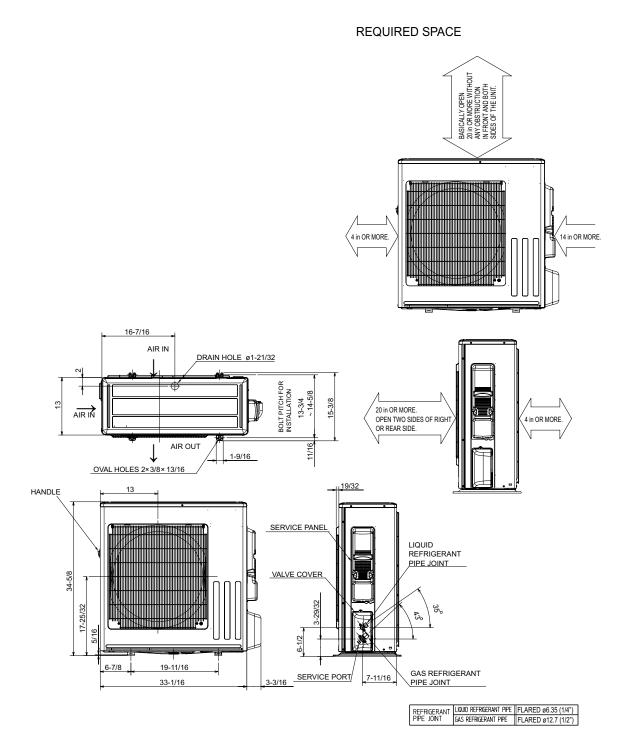
# (06/09/12 KBTU/H) Piping

#### (15/18 KBTU/H)

		/	``			,
ng	Insulation	¢I-7/16 O.D				¢I-7/16 O.D
<u>a</u>	Liquid line	♦1/4 19-11/16 (Flared connection ♦1/4)		alli	quid line	♦1/4 19-11/16 (Flared connection ♦1/4)
2	Gas line	♦3/8  6- 5/ 6 (Flared connection ♦3/8)	C	- G	ias line	♦3/8  6- 5/ 6 (Flared connection ♦ /2)
	Drain hose	Insulation #1–1/8 Connected part #5/8 O.D		Dra	in hose	Insulation #1-1/8 Connected part #5/8 O.D

## **OUTDOOR UNIT DIMENSIONS: MUZ-FS15NAH**

Unit: inch



1340 Satellite Boulevard Suwanee, GA 30024 Toll Free: 800-433-4822 www.mehvac.com



FORM# MSZ-FS15NA-U1 & MUZ-FS15NAH-U1 - 202101