

MSZ-GS09NA & MUZ-GS09NA
9,000 BTU/H WALL-MOUNTED INDOOR UNIT
9,000 BTU/H HEAT PUMP OUTDOOR UNIT



Job Name:

System Reference:

Date:



Indoor Unit.....MSZ-GS09NA

Outdoor Unit.....MUZ-GS09NA

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
- Optional Microparticle Filter designed to capture PM2.5
- The outdoor unit powers the indoor unit, and should a power outage occur, the system is automatically restarted when power returns
- Quiet operation
- Smart Set: recalls a preferred preset temperature setting at the touch of a button
- Built-in backup/auxiliary heater control available
- Multiple fan speed options: Quiet, Low, Medium, High, Super-high, Auto
- Multiple control options available:
 - Back-lit screen handheld remote controller (provided with the unit)
 - kumo cloud® smart device app for remote access
 - Third-party interface options
 - Wired or wireless controllers

OUTDOOR UNIT FEATURES

- INVERTER-driven compressor and LEV provide high efficiency and comfort while using only the energy needed to maintain maximum performance
- Blue Fin anti-corrosion treatment applied to the outdoor unit heat exchanger for increased coil protection and longer life
 - Rated for 2,000 hours spraying time per ASTM B117 Standard

SPECIFICATIONS: MSZ-GS09NA & MUZ-GS09NA

Cooling at 95°F ¹	Maximum Capacity	BTU/H	12,200
	Rated Capacity	BTU/H	9,000
	Minimum Capacity	BTU/H	3,600
	Maximum Power Input	W	1,050
	Rated Power Input	W	585
	Moisture Removal	Pints/h	0.8
	Sensible Heat Factor		0.90
	Power Factor [208V / 230V]	%	90.0 / 90.0
Heating at 47°F ²	Maximum Capacity	BTU/H	15,900
	Rated Capacity	BTU/H	10,900
	Minimum Capacity	BTU/H	4,500
	Maximum Power Input	W	1,740
	Rated Power Input	W	720
	Power Factor [208V / 230V]	%	92.0 / 92.0
Heating at 17°F ³	Maximum Capacity	BTU/H	10,200
	Rated Capacity	BTU/H	6,500
	Maximum Power Input	W	1,230
	Rated Power Input	W	730
Heating at 5°F ⁴	Maximum Capacity	BTU/H	7,900
	Maximum Power Input	W	1,090
Efficiency	SEER SEER2		27.0 28.4
	EER ¹ EER2 ¹		15.4 15.4
	HSPF [IV] HSPF2 [IV]		12.8 10.9
	COP at 47°F ²		4.44
	COP at 17°F at Maximum Capacity ³		2.43
	COP at 5°F at Maximum Capacity ⁴		2.12
Electrical	ENERGY STAR® Certified		Yes
	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	15
	Recommended Wire Size [Indoor - Outdoor]	AWG	14
Indoor Unit	Power Supply		Indoor unit is powered by the outdoor unit
	MCA	A	1.0
	Fan Motor Full Load Amperage	A	0.5
	Fan Motor Output	W	30
	Airflow Rate at Cooling, Dry	CFM	134–160–222–307–381
	Airflow Rate at Cooling, Wet	CFM	121–144–200–276–343
	Airflow Rate at Heating, Dry	CFM	134–160–222–307–390
	Sound Pressure Level [Cooling]	dB[A]	19–22–30–37–43
	Sound Pressure Level [Heating]	dB[A]	19–22–30–37–43
	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]	31-7/16 x 9-1/8 x 11-5/8 [798 x 232 x 295]
	Package Dimensions	W x D x H: In. [mm]	33-1/2 x 12 x 14 [850 x 300 x 350]
	Unit Weight	Lbs. [kg]	23 [10.4]
	Package Weight	Lbs. [kg]	26 [11.5]
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)

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
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

Conditions

*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-GS09NA & MUZ-GS09NA

Outdoor Unit	MCA	A	10.0
	MOCP	A	15
	Fan Motor Full Load Amperage	A	0.5
	Fan Motor Output	W	55
	Refrigerant Control		Linear expansion valve
	Defrost Method		N/A
	Sound Pressure Level, Cooling ¹	dB(A)	48
	Sound Pressure Level, Heating ²	dB(A)	50
	Compressor Type		DC inverter driven Twin Rotary
	Compressor Model		SNB092FQAMT
	Compressor Rated Load Amps	A	6.72
	Compressor Locked Rotor Amps	A	8.4
	External Finish Color		Munsell 3Y 7.8/1/1
	Base Pan Heater		Optional
	Unit Dimensions	W x D x H: In. [mm]	31-1/2 x 11-1/4 x 21-5/8 [800 x 285 x 550]
	Package Dimensions	W x D x H: In. [mm]	37 x 15 x 24-1/2 [980 x 380 x 630]
	Unit Weight	Lbs. [kg]	79 [35.8]
	Package Weight	Lbs. [kg]	87 [39.2]
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 / -4 DB, -5 WB
	Heating Thermal Lock-out / Re-start Temperatures**	°F	-14 / -4
Refrigerant	Type		R410A
	Pre-Charged Refrigerant Amount	Lbs, oz	2.0, 9.0
	Maximum Pre-Charged Piping Length	Ft. [m]	25.0 [7.5]
	Additional Refrigerant Charge Per Additional Piping Length	oz./Ft. [g/m]	1.08 [20]
Piping	Gas Pipe Size O.D. [Flared]	In.[mm]	3/8 [9.52]
	Liquid Pipe Size O.D. [Flared]	In.[mm]	1/4 [6.35]
	Maximum Piping Length	Ft. [m]	65 [20]
	Maximum Height Difference	Ft. [m]	40 [12]
	Maximum Number of Bends		10

NOTES:

AHRI Rated Conditions

(Rated data is determined at a fixed compressor speed)

¹Cooling (Indoor // Outdoor) °F 80 DB, 67 WB // 95 DB, 75 WB

²Heating at 47°F (Indoor // Outdoor) °F 70 DB, 60 WB // 47 DB, 43 WB

³Heating at 17°F (Indoor // Outdoor) °F 70 DB, 60 WB // 17 DB, 15 WB

Conditions

⁴Heating at 5°F (Indoor // Outdoor) °F 70 DB, 60 WB // 5 DB, 4 WB

⁵Heating at -4°F (Indoor // Outdoor) °F 70 DB, 60 WB // -4 DB, -5 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.

INDOOR UNIT ACCESSORIES: MSZ-GS09NA

Control Interface	CN24 Relay Kit	CN24RELAY-KIT-CM3
	IT Extender	PAC-WHS01IE-E
	kumo station® for kumo cloud®	PAC-WHS01HC-E
	Procon BACnet® and Modbus® Interface	PAC-UKPRC001-CN-1
	System Control Interface	MAC-334IF-E
	Thermostat Interface	PAC-US444CN-1
	Thermostat Interface	PAC-US445CN-1
	USNAP Adapter	PAC-WHS01UP-E
	Wireless Interface for kumo cloud®	PAC-USWHS002-WF-2
Remote Sensor	Wired Remote Sensor	M21EAA307
	Wireless temperature and humidity sensor for kumo cloud®	PAC-USWHS003-TH-1
Wired Remote Controller	Deluxe Wired MA Remote Controller†	PAR-40MAAU
	Simple Ductless Wired Remote Controller	PAC-SDW01RC-1
	Simple MA Remote Controller†	PAC-YT53CRAU-J
	Touch MA Controller†	PAR-CT01MAU-SB
Wireless Remote Controller	kumo touch™ RedLINK™ Wireless Controller	MHK2
	Lockdown bracket for remote controller	RCMKP1CB
Condensate	Blue Diamond (Advanced) Mini Condensate Pump w/ Reservoir & Sensor (208/230V) [recommended]	X87-721
	Blue Diamond (MegaBlue Advanced) Condensate Pump w/ Reservoir & Sensor	X87-835
	Blue Diamond Alarm Extension Cable — 6.5 Ft.	C13-192
	Blue Diamond MultiTank — collection tank for use with multiple pumps	C21-014
	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
	Refco Condensate Pump (100-240 VAC)	GOBI-II
	Refco Condensate Pump (100-240 VAC) up to 120,000 BTU/H	COMBI
	Sauermann Condensate Pump	SI30-230
Disconnect Switch	(30A/600V/UL) [fits 2" X 4" utility box] - Black	TAZ-MS303
	(30A/600V/UL) [fits 2" X 4" utility box] - White	TAZ-MS303W
Filter	Anti-allergy Enzyme Filter	MAC-408FT-E
	Microparticle (PM2.5) Filter	MAC-EMF515FT-E

NOTES:

†Requires MAC-334IF-E

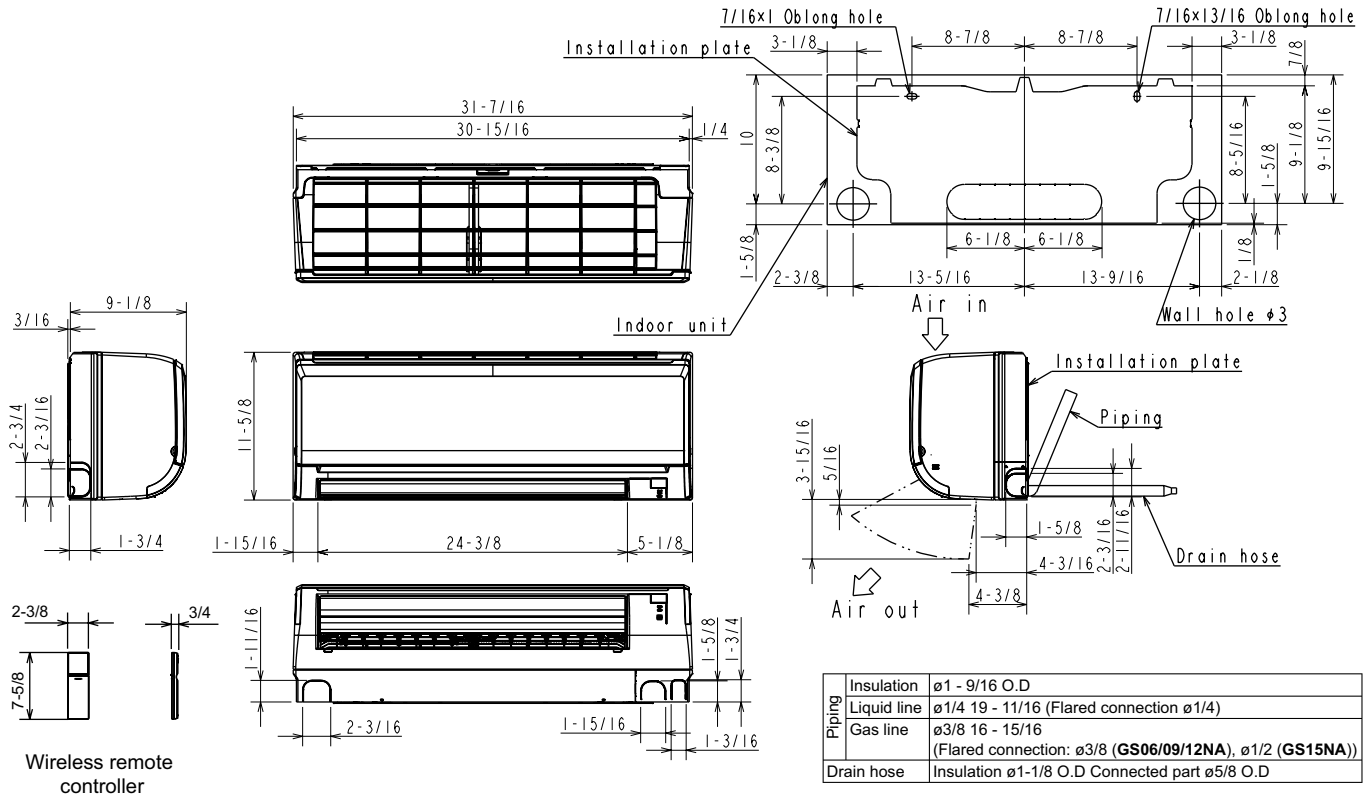
- M-Series EZ FIT® Recessed Ceiling Cassette, Floor-mount and Wall-mount
Allows indoor units to connect to an MA Controller:
Deluxe MA Remote Controller
Simple MA Controller
Touch MA Controller

OUTDOOR UNIT ACCESSORIES: MUZ-GS09NA

Hail Guards	Hail Guard	HG-B4
Lineset	15' x 1/4" x 15' / 3/8" Lineset (Twin-Tube Insulation)	MLS143812T-15
	30' x 1/4" x 30' / 3/8" Lineset (Twin-Tube Insulation)	MLS143812T-30
	50' x 1/4" x 50' / 3/8" Lineset (Twin-Tube Insulation)	MLS143812T-50
	65' x 1/4" x 65' / 3/8" Lineset (Twin-Tube Insulation)	MLS143812T-65
Mounting Pad	Condensing Unit Mounting Pad: 16" x 36" x 3"	ULTRILITE1
	Outdoor Unit 3-1/4 inch Mounting Base (Pair) - Plastic	DSD-400P
Optional Defrost Heater	Optional Defrost Heater	MAC-640BH-U
Stand	18" Single Fan Stand	QSMS1801M
	24" Single Fan Stand	QSMS2401M
	Condenser Wall Bracket	QSWB2000M-1
	Condenser Wall Bracket - Stainless Steel Finish	QSWBSS
	Outdoor Unit Stand — 12" High	QSMS1201M

INDOOR UNIT DIMENSIONS: MSZ-GS09NA

Unit: inch

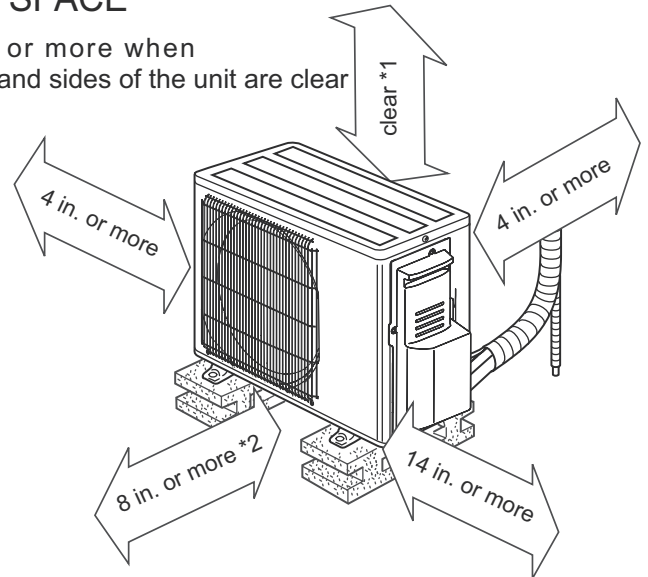


OUTDOOR UNIT DIMENSIONS: MUZ-GS09NA

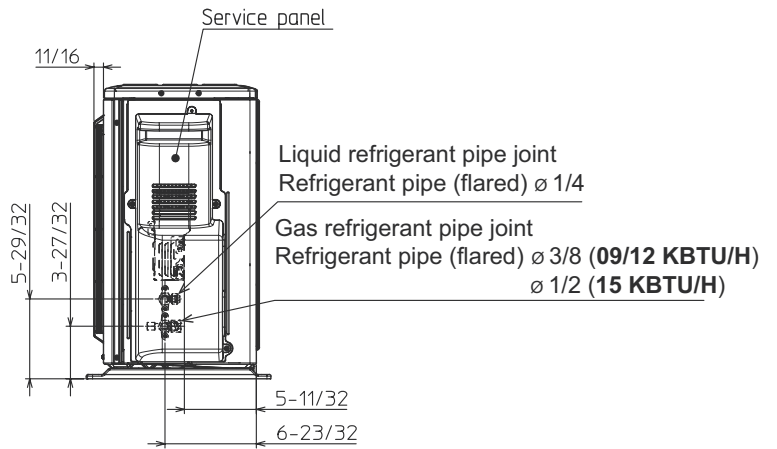
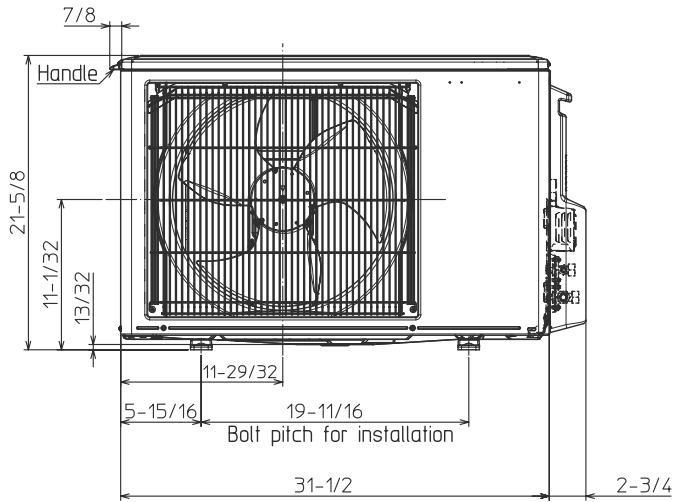
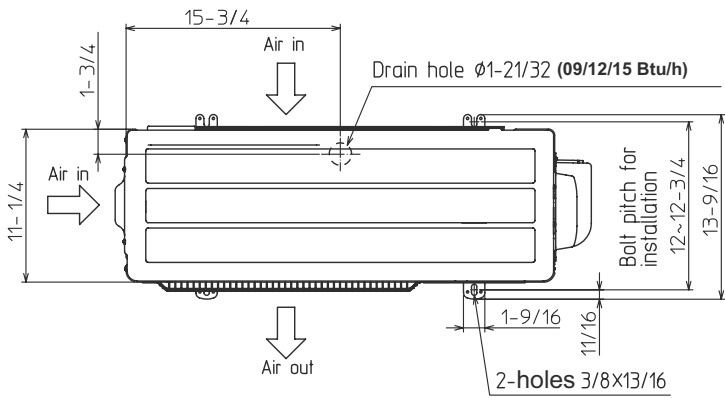
Unit: inch

REQUIRED SPACE

*1 4 in. or more when front and sides of the unit are clear



*2 When any 2 sides of left, right and rear of the unit are clear



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Toll Free: 800-433-4822 www.mehvac.com

FORM# MSZ-GS09NA & MUZ-GS09NA - 202305



MSZ-GS12NA & MUZ-GS12NA
12,000 BTU/H WALL-MOUNTED INDOOR UNIT
12,000 BTU/H HEAT PUMP OUTDOOR UNIT



Job Name:

System Reference:

Date:



Indoor Unit.....MSZ-GS12NA

Outdoor Unit.....MUZ-GS12NA

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
- Optional Microparticle Filter designed to capture PM2.5
- The outdoor unit powers the indoor unit, and should a power outage occur, the system is automatically restarted when power returns
- Quiet operation
- Smart Set: recalls a preferred preset temperature setting at the touch of a button
- Built-in backup/auxiliary heater control available
- Multiple fan speed options: Quiet, Low, Medium, High, Super-high, Auto
- Multiple control options available:
 - Back-lit screen handheld remote controller (provided with the unit)
 - kumo cloud® smart device app for remote access
 - Third-party interface options
 - Wired or wireless controllers

OUTDOOR UNIT FEATURES

- INVERTER-driven compressor and LEV provide high efficiency and comfort while using only the energy needed to maintain maximum performance
- Blue Fin anti-corrosion treatment applied to the outdoor unit heat exchanger for increased coil protection and longer life
 - Rated for 2,000 hours spraying time per ASTM B117 Standard

SPECIFICATIONS: MSZ-GS12NA & MUZ-GS12NA

Cooling at 95°F ¹	Maximum Capacity	BTU/H	13,600
	Rated Capacity	BTU/H	12,000
	Minimum Capacity	BTU/H	1,500
	Maximum Power Input	W	1,450
	Rated Power Input	W	920
	Moisture Removal	Pints/h	2.5
	Sensible Heat Factor		0.77
	Power Factor [208V / 230V]	%	95.0 / 95.0
Heating at 47°F ²	Maximum Capacity	BTU/H	18,100
	Rated Capacity	BTU/H	14,400
	Minimum Capacity	BTU/H	2,000
	Maximum Power Input	W	1,750
	Rated Power Input	W	1,100
	Power Factor [208V / 230V]	%	97.0 / 97.0
Heating at 17°F ³	Maximum Capacity	BTU/H	12,000
	Rated Capacity	BTU/H	9,000
	Maximum Power Input	W	1,670
	Rated Power Input	W	1,000
Heating at 5°F ⁴	Maximum Capacity	BTU/H	9,540
	Maximum Power Input	W	1,540
Efficiency	SEER SEER2		23.1 25.6
	EER ¹ EER2 ¹		13.05 13.05
	HSPF [IV] HSPF2 [IV]		13.2 10.7
	COP at 47°F ²		3.84
	COP at 17°F at Maximum Capacity ³		2.11
	COP at 5°F at Maximum Capacity ⁴		1.82
Electrical	ENERGY STAR® Certified		Yes
	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	15
	Recommended Wire Size [Indoor - Outdoor]	AWG	14
Indoor Unit	Power Supply		Indoor unit is powered by the outdoor unit
	MCA	A	1.0
	Fan Motor Full Load Amperage	A	0.5
	Fan Motor Output	W	30
	Airflow Rate at Cooling, Dry	CFM	134–160–222–307–381
	Airflow Rate at Cooling, Wet	CFM	121–144–200–276–343
	Airflow Rate at Heating, Dry	CFM	134–160–222–307–390
	Sound Pressure Level [Cooling]	dB[A]	19–22–30–37–45
	Sound Pressure Level [Heating]	dB[A]	19–22–30–37–43
	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]	31-7/16 x 9-1/8 x 11-5/8 [798 x 232 x 295]
	Package Dimensions	W x D x H: In. [mm]	33-1/2 x 12 x 14 [850 x 300 x 350]
	Unit Weight	Lbs. [kg]	23 [10.4]
	Package Weight	Lbs. [kg]	26 [11.5]
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)

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
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

Conditions

*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-GS12NA & MUZ-GS12NA

Outdoor Unit	MCA	A	10.0
	MOCP	A	15
	Fan Motor Full Load Amperage	A	0.5
	Fan Motor Output	W	55
	Refrigerant Control		Linear expansion valve
	Defrost Method		N/A
	Sound Pressure Level, Cooling ¹	dB(A)	49
	Sound Pressure Level, Heating ²	dB(A)	51
	Compressor Type		DC inverter driven Twin Rotary
	Compressor Model		SNB092FQAMT
	Compressor Rated Load Amps	A	6.72
	Compressor Locked Rotor Amps	A	8.4
	External Finish Color		Munsell 3Y 7.8/1/1
	Base Pan Heater		Optional
	Unit Dimensions	W x D x H: In. [mm]	31-1/2 x 11-1/4 x 21-5/8 [800 x 285 x 550]
	Package Dimensions	W x D x H: In. [mm]	37 x 15 x 24-1/2 [980 x 380 x 630]
	Unit Weight	Lbs. [kg]	79 [35.8]
	Package Weight	Lbs. [kg]	87 [39.2]
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 / -4 DB, -5 WB
	Heating Thermal Lock-out / Re-start Temperatures**	°F	-14 / -4
Refrigerant	Type		R410A
	Pre-Charged Refrigerant Amount	Lbs, oz	2.0, 9.0
	Maximum Pre-Charged Piping Length	Ft. [m]	25.0 [7.5]
	Additional Refrigerant Charge Per Additional Piping Length	oz./Ft. [g/m]	1.08 [20]
Piping	Gas Pipe Size O.D. [Flared]	In.[mm]	3/8 [9.52]
	Liquid Pipe Size O.D. [Flared]	In.[mm]	1/4 [6.35]
	Maximum Piping Length	Ft. [m]	65 [20]
	Maximum Height Difference	Ft. [m]	40 [12]
	Maximum Number of Bends		10

NOTES:

AHRI Rated Conditions

(Rated data is determined at a fixed compressor speed)

¹Cooling (Indoor // Outdoor) °F 80 DB, 67 WB // 95 DB, 75 WB

²Heating at 47°F (Indoor // Outdoor) °F 70 DB, 60 WB // 47 DB, 43 WB

³Heating at 17°F (Indoor // Outdoor) °F 70 DB, 60 WB // 17 DB, 15 WB

Conditions

⁴Heating at 5°F (Indoor // Outdoor) °F 70 DB, 60 WB // 5 DB, 4 WB

⁵Heating at -4°F (Indoor // Outdoor) °F 70 DB, 60 WB // -4 DB, -5 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.

INDOOR UNIT ACCESSORIES: MSZ-GS12NA

Control Interface	CN24 Relay Kit	CN24RELAY-KIT-CM3
	IT Extender	PAC-WHS01IE-E
	kumo station® for kumo cloud®	PAC-WHS01HC-E
	Procon BACnet® and Modbus® Interface	PAC-UKPRC001-CN-1
	System Control Interface	MAC-334IF-E
	Thermostat Interface	PAC-US444CN-1
	Thermostat Interface	PAC-US445CN-1
	USNAP Adapter	PAC-WHS01UP-E
	Wireless Interface for kumo cloud®	PAC-USWHS002-WF-2
Remote Sensor	Wired Remote Sensor	M21EAA307
	Wireless temperature and humidity sensor for kumo cloud®	PAC-USWHS003-TH-1
Wired Remote Controller	Deluxe Wired MA Remote Controller†	PAR-40MAAU
	Simple Ductless Wired Remote Controller	PAC-SDW01RC-1
	Simple MA Remote Controller†	PAC-YT53CRAU-J
	Touch MA Controller†	PAR-CT01MAU-SB
Wireless Remote Controller	kumo touch™ RedLINK™ Wireless Controller	MHK2
	Lockdown bracket for remote controller	RCMKP1CB
Condensate	Blue Diamond (Advanced) Mini Condensate Pump w/ Reservoir & Sensor (208/230V) [recommended]	X87-721
	Blue Diamond (MegaBlue Advanced) Condensate Pump w/ Reservoir & Sensor	X87-835
	Blue Diamond Alarm Extension Cable — 6.5 Ft.	C13-192
	Blue Diamond MultiTank — collection tank for use with multiple pumps	C21-014
	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
	Refco Condensate Pump (100-240 VAC)	GOBI-II
	Refco Condensate Pump (100-240 VAC) up to 120,000 BTU/H	COMBI
	Sauermann Condensate Pump	SI30-230
Disconnect Switch	(30A/600V/UL) [fits 2" X 4" utility box] - Black	TAZ-MS303
	(30A/600V/UL) [fits 2" X 4" utility box] - White	TAZ-MS303W
Filter	Anti-allergy Enzyme Filter	MAC-408FT-E
	Microparticle (PM2.5) Filter	MAC-EMF515FT-E

NOTES:

†Requires MAC-334IF-E

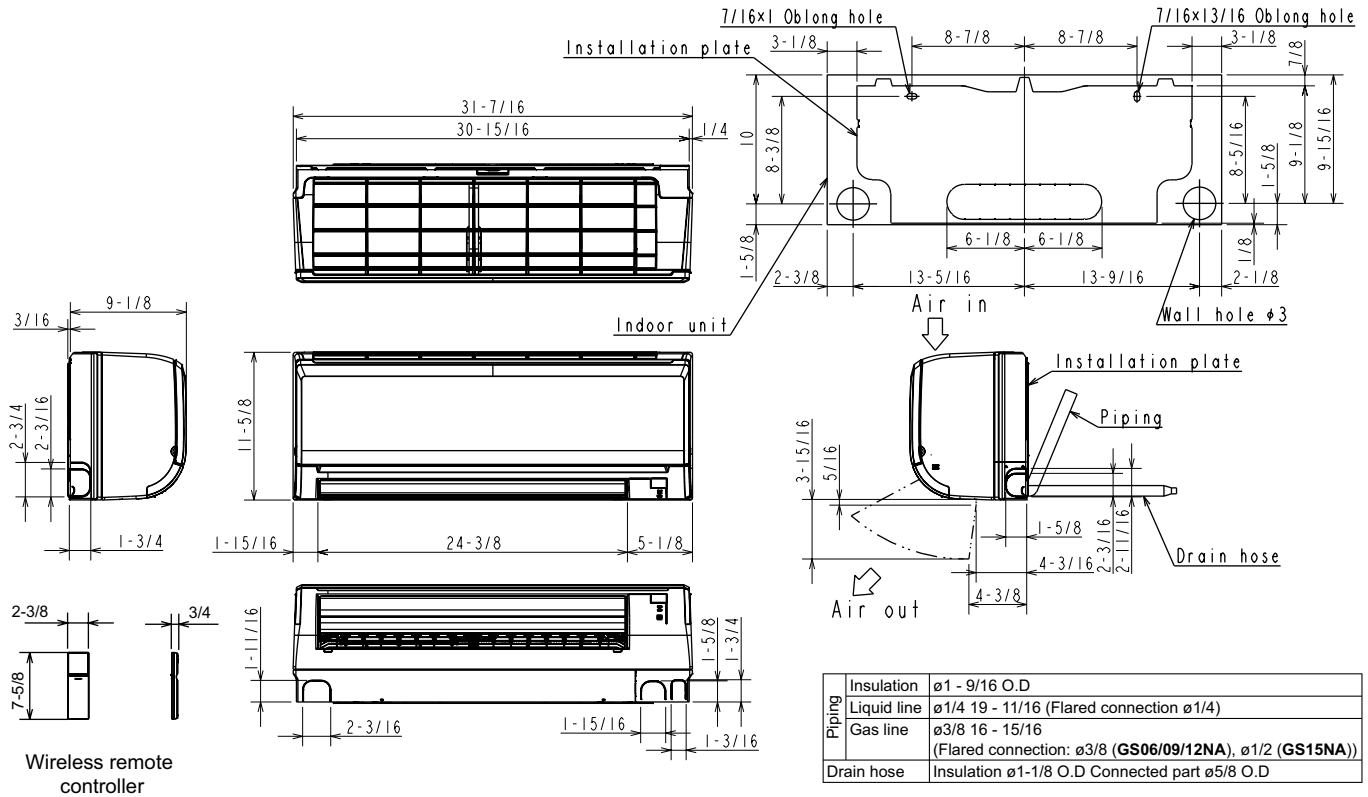
- M-Series EZ FIT® Recessed Ceiling Cassette, Floor-mount and Wall-mount
Allows indoor units to connect to an MA Controller:
Deluxe MA Remote Controller
Simple MA Controller
Touch MA Controller

OUTDOOR UNIT ACCESSORIES: MUZ-GS12NA

Hail Guards	Hail Guard	HG-B4
Lineset	15' x 1/4" x 15' / 3/8" Lineset (Twin-Tube Insulation)	MLS143812T-15
	30' x 1/4" x 30' / 3/8" Lineset (Twin-Tube Insulation)	MLS143812T-30
	50' x 1/4" x 50' / 3/8" Lineset (Twin-Tube Insulation)	MLS143812T-50
	65' x 1/4" x 65' / 3/8" Lineset (Twin-Tube Insulation)	MLS143812T-65
Mounting Pad	Condensing Unit Mounting Pad: 16" x 36" x 3"	ULTRILITE1
	Outdoor Unit 3-1/4 inch Mounting Base (Pair) - Plastic	DSD-400P
Optional Defrost Heater	Optional Defrost Heater	MAC-640BH-U
Stand	18" Single Fan Stand	QSMS1801M
	24" Single Fan Stand	QSMS2401M
	Condenser Wall Bracket	QSWB2000M-1
	Condenser Wall Bracket - Stainless Steel Finish	QSWBSS
	Outdoor Unit Stand — 12" High	QSMS1201M

INDOOR UNIT DIMENSIONS: MSZ-GS12NA

Unit: inch

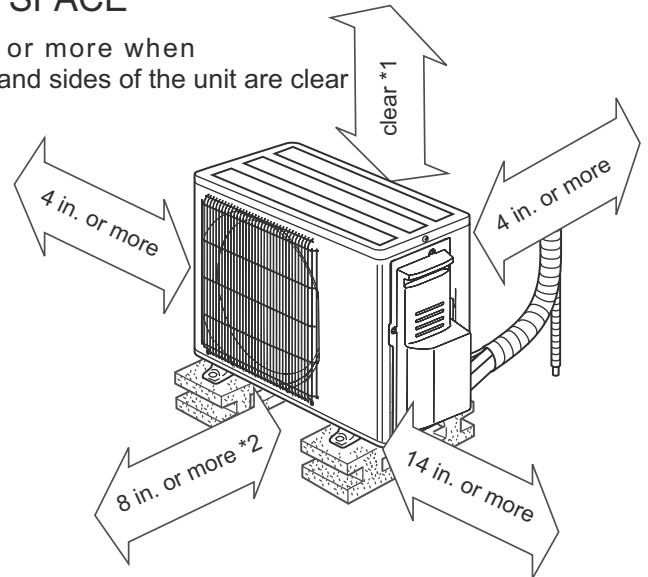


OUTDOOR UNIT DIMENSIONS: MUZ-GS12NA

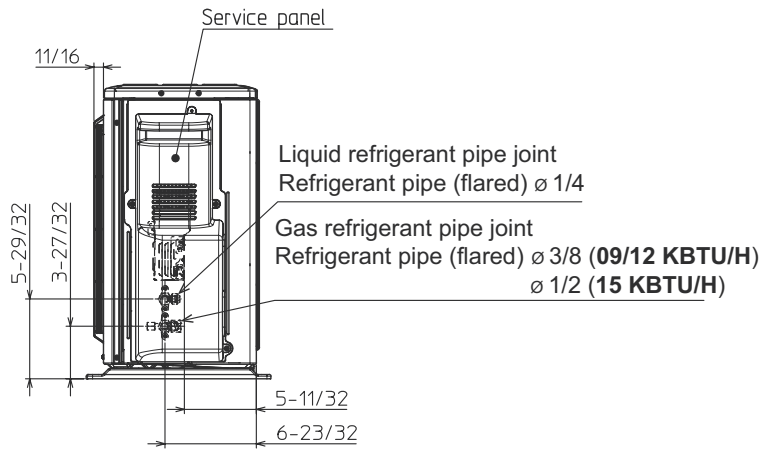
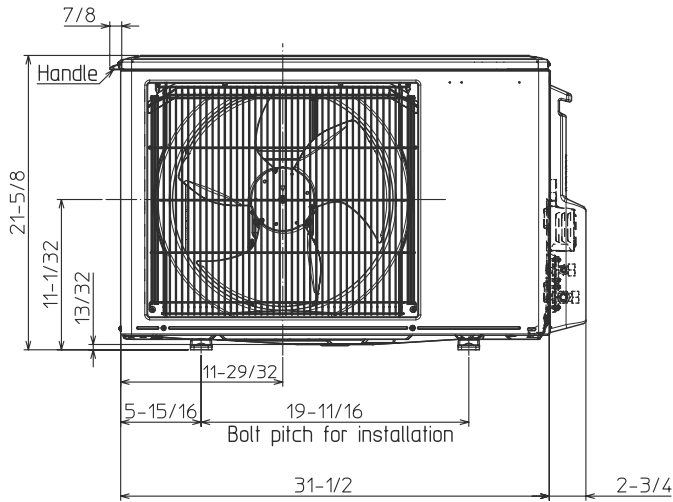
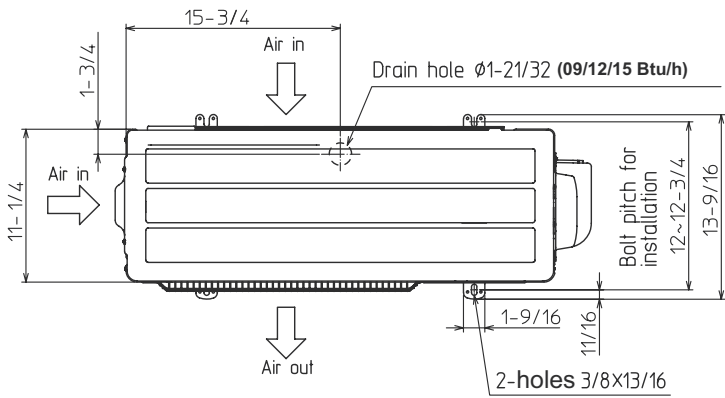
Unit: inch

REQUIRED SPACE

*1 4 in. or more when front and sides of the unit are clear



*2 When any 2 sides of left, right and rear of the unit are clear



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

FORM# MSZ-GS12NA & MUZ-GS12NA - 202305



MSZ-GS15NA & MUZ-GS15NA
15,000 BTU/H WALL-MOUNTED INDOOR UNIT
15,000 BTU/H HEAT PUMP OUTDOOR UNIT



Job Name:

System Reference:

Date:



Indoor Unit.....MSZ-GS15NA

Outdoor Unit.....MUZ-GS15NA

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
- Optional Microparticle Filter designed to capture PM2.5
- The outdoor unit powers the indoor unit, and should a power outage occur, the system is automatically restarted when power returns
- Quiet operation
- Smart Set: recalls a preferred preset temperature setting at the touch of a button
- Built-in backup/auxiliary heater control available
- Multiple fan speed options: Quiet, Low, Medium, High, Super-high, Auto
- Multiple control options available:
 - Back-lit screen handheld remote controller (provided with the unit)
 - kumo cloud® smart device app for remote access
 - Third-party interface options
 - Wired or wireless controllers

OUTDOOR UNIT FEATURES

- INVERTER-driven compressor and LEV provide high efficiency and comfort while using only the energy needed to maintain maximum performance
- Blue Fin anti-corrosion treatment applied to the outdoor unit heat exchanger for increased coil protection and longer life
 - Rated for 2,000 hours spraying time per ASTM B117 Standard

SPECIFICATIONS: MSZ-GS15NA & MUZ-GS15NA

Cooling at 95°F ¹	Maximum Capacity	BTU/H	18,200
	Rated Capacity	BTU/H	14,000
	Minimum Capacity	BTU/H	3,100
	Maximum Power Input	W	2,020
	Rated Power Input	W	1,100
	Moisture Removal	Pints/h	2.5
	Sensible Heat Factor		0.80
	Power Factor [208V / 230V]	%	93.0 / 93.0
Heating at 47°F ²	Maximum Capacity	BTU/H	20,900
	Rated Capacity	BTU/H	18,000
	Minimum Capacity	BTU/H	4,800
	Maximum Power Input	W	2,030
	Rated Power Input	W	1,600
	Power Factor [208V / 230V]	%	96.0 / 96.0
Heating at 17°F ³	Maximum Capacity	BTU/H	16,400
	Rated Capacity	BTU/H	12,100
	Maximum Power Input	W	2,020
	Rated Power Input	W	1,330
Heating at 5°F ⁴	Maximum Capacity	BTU/H	14,400
	Maximum Power Input	W	2,020
Efficiency	SEER SEER2		21.6 21.0
	EER ¹ EER2 ¹		12.75 12.75
	HSPF [IV] HSPF2 [IV]		11.7 11.0
	COP at 47°F ²		3.3
	COP at 17°F at Maximum Capacity ³		2.38
	COP at 5°F at Maximum Capacity ⁴		2.09
	ENERGY STAR® Certified		Yes
Electrical	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	15
	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	0.5
	Fan Motor Output	W	30
	Airflow Rate at Cooling, Dry	CFM	191–253–316–400–504
	Airflow Rate at Cooling, Wet	CFM	172–228–285–360–454
	Airflow Rate at Heating, Dry	CFM	191–231–285–348–437
	Sound Pressure Level [Cooling]	dB[A]	26–32–38–44–49
	Sound Pressure Level [Heating]	dB[A]	26–30–35–40–46
	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]	31-7/16 x 9-1/8 x 11-5/8 [798 x 232 x 295]
	Package Dimensions	W x D x H: In. [mm]	33-1/2 x 12 x 14 [850 x 300 x 350]
	Unit Weight	Lbs. [kg]	23 [10.4]
	Package Weight	Lbs. [kg]	26 [11.5]
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)

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
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

*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-GS15NA & MUZ-GS15NA

Outdoor Unit	MCA	A	10.0
	MOCP	A	15
	Fan Motor Full Load Amperage	A	0.5
	Fan Motor Output	W	55
	Refrigerant Control		Linear expansion valve
	Defrost Method		N/A
	Sound Pressure Level, Cooling ¹	dB(A)	49
	Sound Pressure Level, Heating ²	dB(A)	51
	Compressor Type		DC inverter driven Twin Rotary
	Compressor Model		SNB140FQUMT
	Compressor Rated Load Amps	A	7.36
	Compressor Locked Rotor Amps	A	9.2
	External Finish Color		Munsell 3Y 7.8/1/1
	Base Pan Heater		Optional
	Unit Dimensions	W x D x H: In. [mm]	31-1/2 x 11-1/4 x 21-5/8 [800 x 285 x 550]
	Package Dimensions	W x D x H: In. [mm]	37 x 15 x 24-1/2 [980 x 380 x 630]
	Unit Weight	Lbs. [kg]	84 [37.8]
	Package Weight	Lbs. [kg]	91 [41.1]
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 / -4 DB, -5 WB
	Heating Thermal Lock-out / Re-start Temperatures**	°F	-14 / -4
Refrigerant	Type		R410A
	Pre-Charged Refrigerant Amount	Lbs, oz	2.0, 9.0
	Maximum Pre-Charged Piping Length	Ft. [m]	25.0 [7.5]
	Additional Refrigerant Charge Per Additional Piping Length	oz./Ft. [g/m]	1.08 [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]	65 [20]
	Maximum Height Difference	Ft. [m]	40 [12]
	Maximum Number of Bends		10

NOTES:

AHRI Rated Conditions

(Rated data is determined at a fixed compressor speed)

¹Cooling (Indoor // Outdoor) °F 80 DB, 67 WB // 95 DB, 75 WB

²Heating at 47°F (Indoor // Outdoor) °F 70 DB, 60 WB // 47 DB, 43 WB

³Heating at 17°F (Indoor // Outdoor) °F 70 DB, 60 WB // 17 DB, 15 WB

Conditions

⁴Heating at 5°F (Indoor // Outdoor) °F 70 DB, 60 WB // 5 DB, 4 WB

⁵Heating at -4°F (Indoor // Outdoor) °F 70 DB, 60 WB // -4 DB, -5 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.

INDOOR UNIT ACCESSORIES: MSZ-GS15NA

Control Interface	CN24 Relay Kit	CN24RELAY-KIT-CM3
	IT Extender	PAC-WHS01IE-E
	kumo station® for kumo cloud®	PAC-WHS01HC-E
	Procon BACnet® and Modbus® Interface	PAC-UKPRC001-CN-1
	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
	Wireless temperature and humidity sensor for kumo cloud®	PAC-USWHS003-TH-1
Wired Remote Controller	Deluxe Wired MA Remote Controller†	PAR-40MAAU
	Simple Ductless Wired Remote Controller	PAC-SDW01RC-1
	Simple MA Remote Controller†	PAC-YT53CRAU-J
	Touch MA Controller†	PAR-CT01MAU-SB
Wireless Remote Controller	kumo touch™ RedLINK™ Wireless Controller	MHK2
	Lockdown bracket for remote controller	RCMKP1CB
Condensate	Blue Diamond (Advanced) Mini Condensate Pump w/ Reservoir & Sensor (208/230V) [recommended]	X87-721
	Blue Diamond (MegaBlue Advanced) Condensate Pump w/ Reservoir & Sensor	X87-835
	Blue Diamond Alarm Extension Cable — 6.5 Ft.	C13-192
	Blue Diamond MultiTank — collection tank for use with multiple pumps	C21-014
	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
Disconnect Switch	(30A/600V/UL) [fits 2" X 4" utility box] - Black	TAZ-MS303
	(30A/600V/UL) [fits 2" X 4" utility box] - White	TAZ-MS303W
Filter	Anti-allergy Enzyme Filter	MAC-408FT-E
	Microparticle (PM2.5) Filter	MAC-EMF515FT-E

NOTES:

†Requires MAC-334IF-E

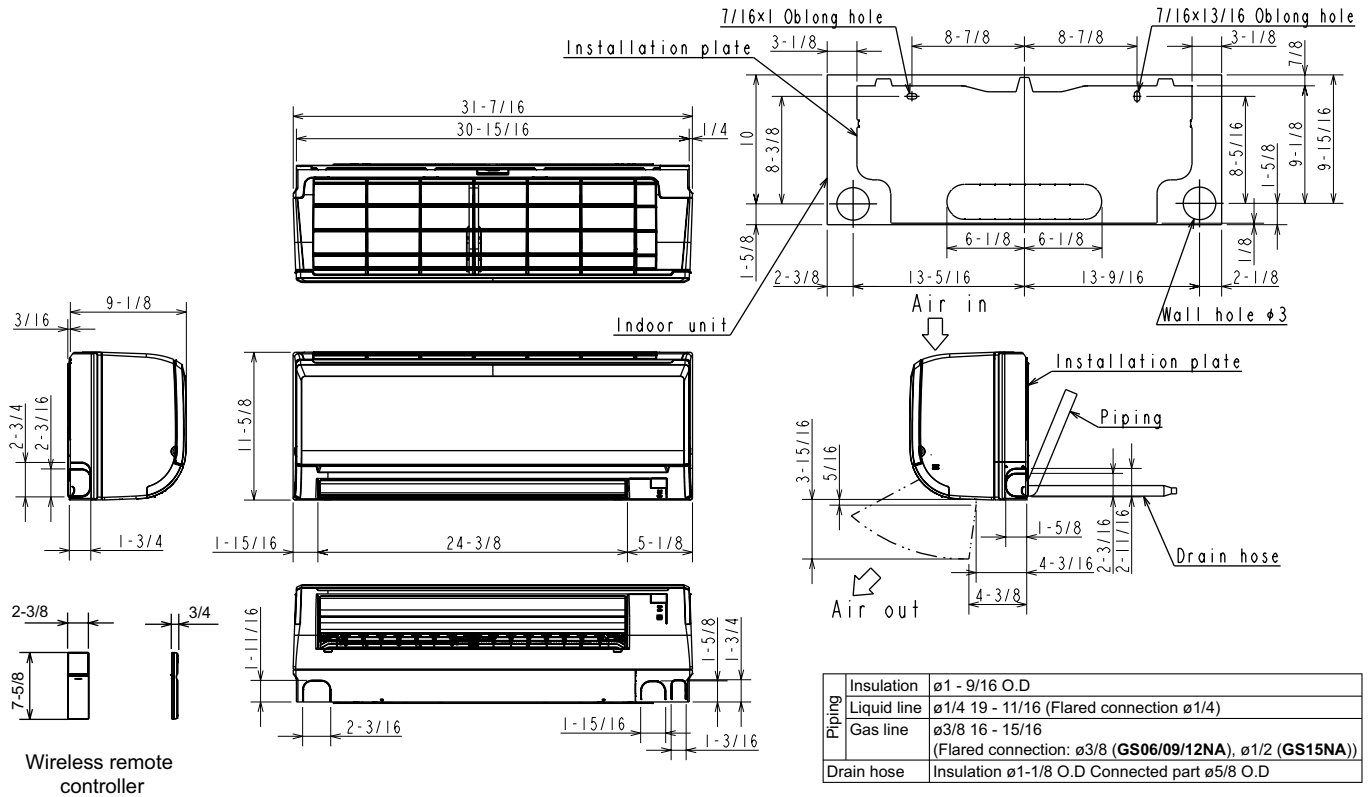
- M-Series EZ FIT® Recessed Ceiling Cassette, Floor-mount and Wall-mount
Allows indoor units to connect to an MA Controller:
Deluxe MA Remote Controller
Simple MA Controller
Touch MA Controller

OUTDOOR UNIT ACCESSORIES: MUZ-GS15NA

Hail Guards	Hail Guard	HG-B4
Lineset	100' x 1/4" x 100' / 1/2" Lineset (Twin-Tube Insulation)	MLS141212T-100
	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
Mounting Pad	Condensing Unit Mounting Pad: 16" x 36" x 3"	ULTRILITE1
	Outdoor Unit 3-1/4 inch Mounting Base (Pair) - Plastic	DSD-400P
Optional Defrost Heater	Optional Defrost Heater	MAC-640BH-U
Stand	18" Single Fan Stand	QSMS1801M
	24" Single Fan Stand	QSMS2401M
	Condenser Wall Bracket	QSWB2000M-1
	Condenser Wall Bracket - Stainless Steel Finish	QSWBSS
	Outdoor Unit Stand — 12" High	QSMS1201M

INDOOR UNIT DIMENSIONS: MSZ-GS15NA

Unit: inch

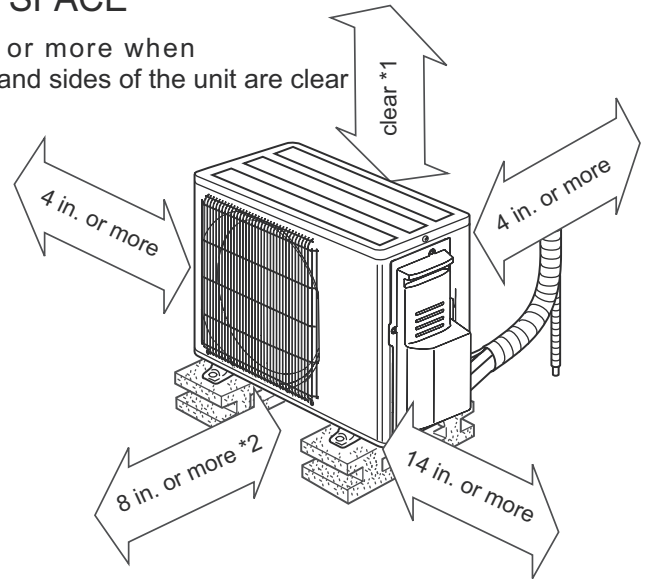


OUTDOOR UNIT DIMENSIONS: MUZ-GS15NA

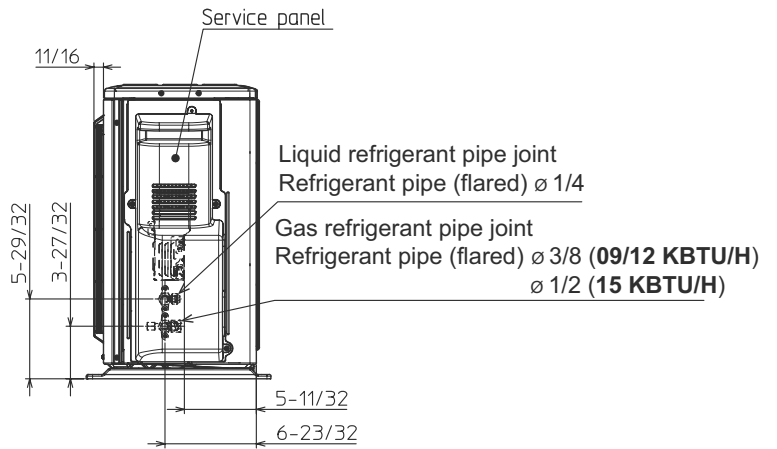
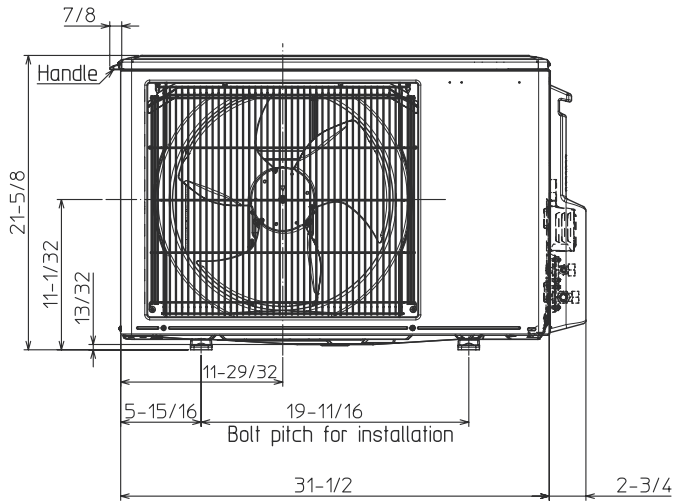
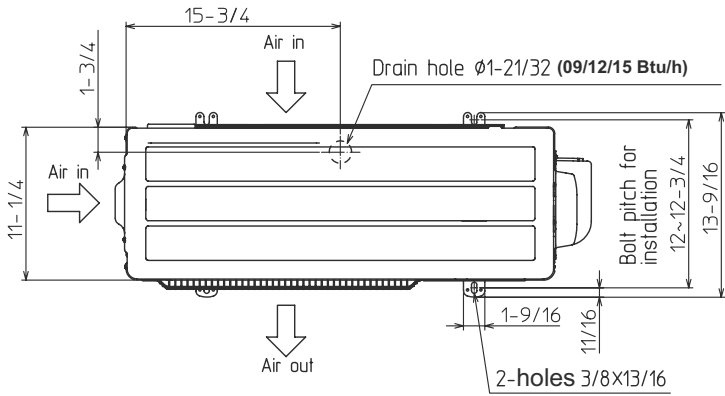
Unit: inch

REQUIRED SPACE

*1 4 in. or more when front and sides of the unit are clear



*2 When any 2 sides of left, right and rear of the unit are clear



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

FORM# MSZ-GS15NA & MUZ-GS15NA - 202305



MSZ-GS18NA & MUZ-GS18NA
18,000 BTU/H WALL-MOUNTED INDOOR UNIT
18,000 BTU/H HEAT PUMP OUTDOOR UNIT



Job Name:

System Reference:

Date:



Indoor Unit.....MSZ-GS18NA

Outdoor Unit.....MUZ-GS18NA



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
- Optional Microparticle Filter designed to capture PM2.5
- The outdoor unit powers the indoor unit, and should a power outage occur, the system is automatically restarted when power returns
- Quiet operation
- Smart Set: recalls a preferred preset temperature setting at the touch of a button
- Built-in backup/auxiliary heater control available
- Multiple fan speed options: Quiet, Low, Medium, High, Super-high, Auto
- Multiple control options available:
 - Back-lit screen handheld remote controller (provided with the unit)
 - kumo cloud® smart device app for remote access
 - Third-party interface options
 - Wired or wireless controllers

OUTDOOR UNIT FEATURES

- INVERTER-driven compressor and LEV provide high efficiency and comfort while using only the energy needed to maintain maximum performance
- Blue Fin anti-corrosion treatment applied to the outdoor unit heat exchanger for increased coil protection and longer life
 - Rated for 2,000 hours spraying time per ASTM B117 Standard

SPECIFICATIONS: MSZ-GS18NA & MUZ-GS18NA

Cooling at 95°F ¹	Maximum Capacity	BTU/H	22,000
	Rated Capacity	BTU/H	18,000
	Minimum Capacity	BTU/H	5,800
	Maximum Power Input	W	2,150
	Rated Power Input	W	1,340
	Moisture Removal	Pints/h	3.8
	Sensible Heat Factor		0.77
	Power Factor [208V / 230V]	%	97.0 / 97.0
Heating at 47°F ²	Maximum Capacity	BTU/H	25,000
	Rated Capacity	BTU/H	21,600
	Minimum Capacity	BTU/H	5,400
	Maximum Power Input	W	2,500
	Rated Power Input	W	1,680
	Power Factor [208V / 230V]	%	97.0 / 97.0
Heating at 17°F ³	Maximum Capacity	BTU/H	18,200
	Rated Capacity	BTU/H	13,300
	Maximum Power Input	W	2,080
	Rated Power Input	W	1,460
Heating at 5°F ⁴	Maximum Capacity	BTU/H	14,780
	Maximum Power Input	W	1,910
Efficiency	SEER SEER2		20.5 21.5
	EER ¹ EER2 ¹		13.45 13.45
	HSPF [IV] HSPF2 [IV]		12.0 10.3
	COP at 47°F ²		3.77
	COP at 17°F at Maximum Capacity ³		2.56
	COP at 5°F at Maximum Capacity ⁴		2.27
Electrical	ENERGY STAR® Certified		Yes
	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	15
	Recommended Wire Size [Indoor - Outdoor]	AWG	14
Indoor Unit	Power Supply		Indoor unit is powered by the outdoor unit
	MCA	A	1.0
	Fan Motor Full Load Amperage	A	0.5
	Fan Motor Output	W	40
	Airflow Rate at Cooling, Dry	CFM	250–325–407–511–629
	Airflow Rate at Cooling, Wet	CFM	225–292–367–460–566
	Airflow Rate at Heating, Dry	CFM	287–375–459–550–629
	Sound Pressure Level [Cooling]	dB[A]	28–33–38–44–49
	Sound Pressure Level [Heating]	dB[A]	28–34–39–43–48
	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]	36-5/16 x 9-13/16 x 12 [923 x 250 x 305]
	Package Dimensions	W x D x H: In. [mm]	39 x 13 x 15 [990 x 330 x 380]
	Unit Weight	Lbs. [kg]	28 [12.4]
	Package Weight	Lbs. [kg]	32 [14.2]
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)

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
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

*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-GS18NA & MUZ-GS18NA

Outdoor Unit	MCA	A	12.0
	MOCP	A	15
	Fan Motor Full Load Amperage	A	0.93
	Fan Motor Output	W	50
	Refrigerant Control		Linear expansion valve
	Defrost Method		N/A
	Sound Pressure Level, Cooling ¹	dB(A)	54
	Sound Pressure Level, Heating ²	dB(A)	55
	Compressor Type		DC inverter driven Twin Rotary
	Compressor Model		SNB130FQBMT
	Compressor Rated Load Amps	A	8.4
	Compressor Locked Rotor Amps	A	10.5
	External Finish Color		Munsell 3Y 7.8/1/1
	Base Pan Heater		Optional
	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]	119 [53.7]
	Package Weight	Lbs. [kg]	137 [61.9]
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 / -4 DB, -5 WB
	Heating Thermal Lock-out / Re-start Temperatures**	°F	-14 / -4
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]	1.08 [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

NOTES:

AHRI Rated Conditions

(Rated data is determined at a fixed compressor speed)

¹Cooling (Indoor // Outdoor) °F 80 DB, 67 WB // 95 DB, 75 WB

²Heating at 47°F (Indoor // Outdoor) °F 70 DB, 60 WB // 47 DB, 43 WB

³Heating at 17°F (Indoor // Outdoor) °F 70 DB, 60 WB // 17 DB, 15 WB

Conditions

⁴Heating at 5°F (Indoor // Outdoor) °F 70 DB, 60 WB // 5 DB, 4 WB

⁵Heating at -4°F (Indoor // Outdoor) °F 70 DB, 60 WB // -4 DB, -5 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.

INDOOR UNIT ACCESSORIES: MSZ-GS18NA

Control Interface	CN24 Relay Kit	CN24RELAY-KIT-CM3
	IT Extender	PAC-WHS01IE-E
	kumo station® for kumo cloud®	PAC-WHS01HC-E
	Procon BACnet® and Modbus® Interface	PAC-UKPRC001-CN-1
	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	Wireless temperature and humidity sensor for kumo cloud®	PAC-USWHS003-TH-1
Wired Remote Controller	Deluxe Wired MA Remote Controller†	PAR-40MAAU
	Simple Ductless Wired Remote Controller	PAC-SDW01RC-1
	Simple MA Remote Controller†	PAC-YT53CRAU-J
	Touch MA Controller†	PAR-CT01MAU-SB
Wireless Remote Controller	kumo touch™ RedLINK™ Wireless Controller	MHK2
	Lockdown bracket for remote controller	RCMKP1CB
Condensate	Blue Diamond (Advanced) Mini Condensate Pump w/ Reservoir & Sensor (208/230V) [recommended]	X87-721
	Blue Diamond (MegaBlue Advanced) Condensate Pump w/ Reservoir & Sensor	X87-835
	Blue Diamond Alarm Extension Cable — 6.5 Ft.	C13-192
	Blue Diamond MultiTank — collection tank for use with multiple pumps	C21-014
	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
Disconnect Switch	(30A/600V/UL) [fits 2" X 4" utility box] - Black	TAZ-MS303
	(30A/600V/UL) [fits 2" X 4" utility box] - White	TAZ-MS303W
Filter	Anti-allergy Enzyme Filter	MAC-408FT-E
	Microparticle (PM2.5) Filter	MAC-EMF515FT-E

NOTES:

†Requires MAC-334IF-E

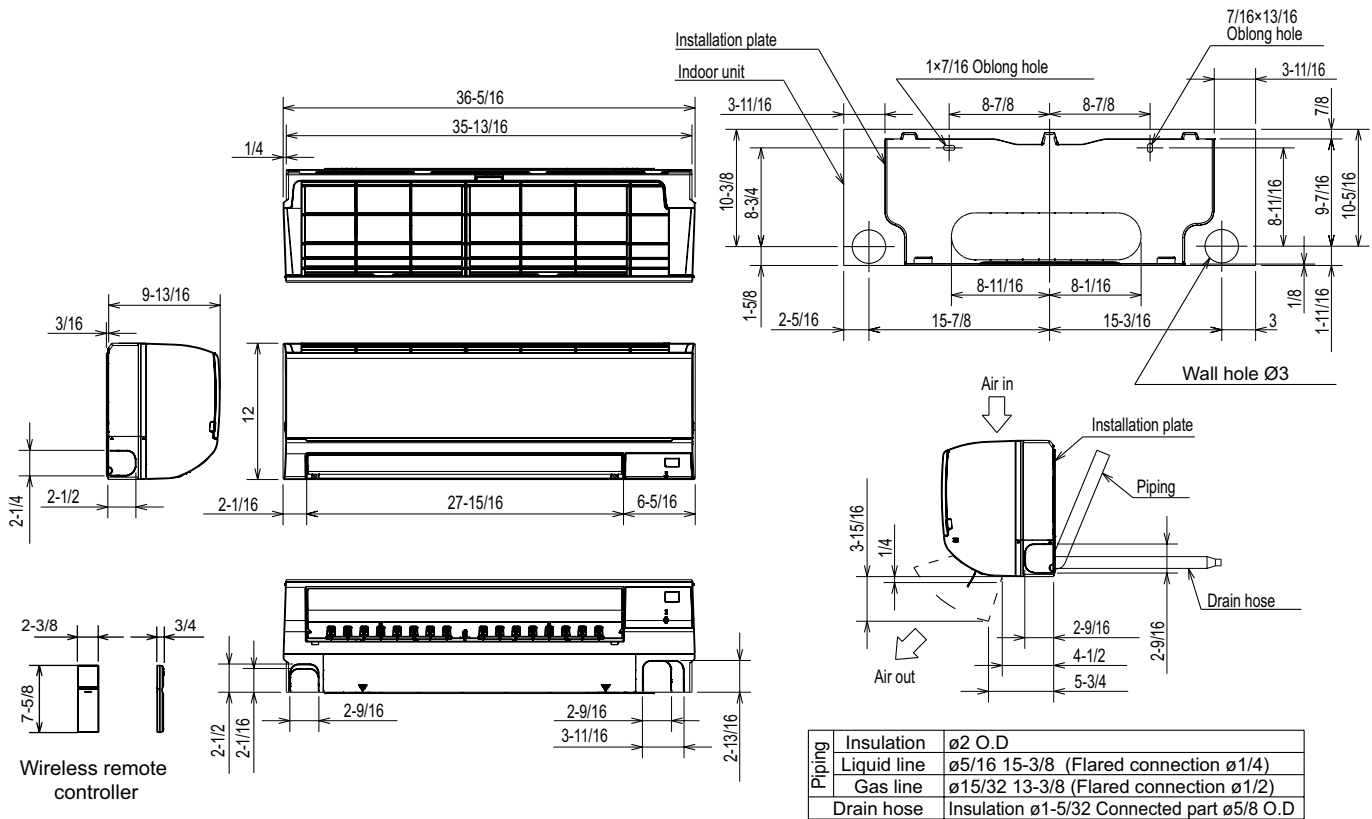
- M-Series EZ FIT® Recessed Ceiling Cassette, Floor-mount and Wall-mount
Allows indoor units to connect to an MA Controller:
Deluxe MA Remote Controller
Simple MA Controller
Touch MA Controller

OUTDOOR UNIT ACCESSORIES: MUZ-GS18NA

Air Outlet Guide	Air Outlet Guide	MAC-886SG-E
Hail Guards	Hail Guard	HG-A7
Lineset	100' x 1/4" x 100' / 1/2" Lineset (Twin-Tube Insulation)	MLS141212T-100
	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
Mounting Pad	Condensing Unit Mounting Pad: 16" x 36" x 3"	ULTRILITE1
	Outdoor Unit 3-1/4 inch Mounting Base (Pair) - Plastic	DSD-400P
Optional Defrost Heater	Base Heater	MAC-642BH-U1
Stand	18" Single Fan Stand	QSMS1801M
	24" Single Fan Stand	QSMS2401M
	Condenser Wall Bracket	QSWB2000M-1
	Condenser Wall Bracket - Stainless Steel Finish	QSWBSS
	Outdoor Unit Stand — 12" High	QSMS1201M

INDOOR UNIT DIMENSIONS: MSZ-GS18NA

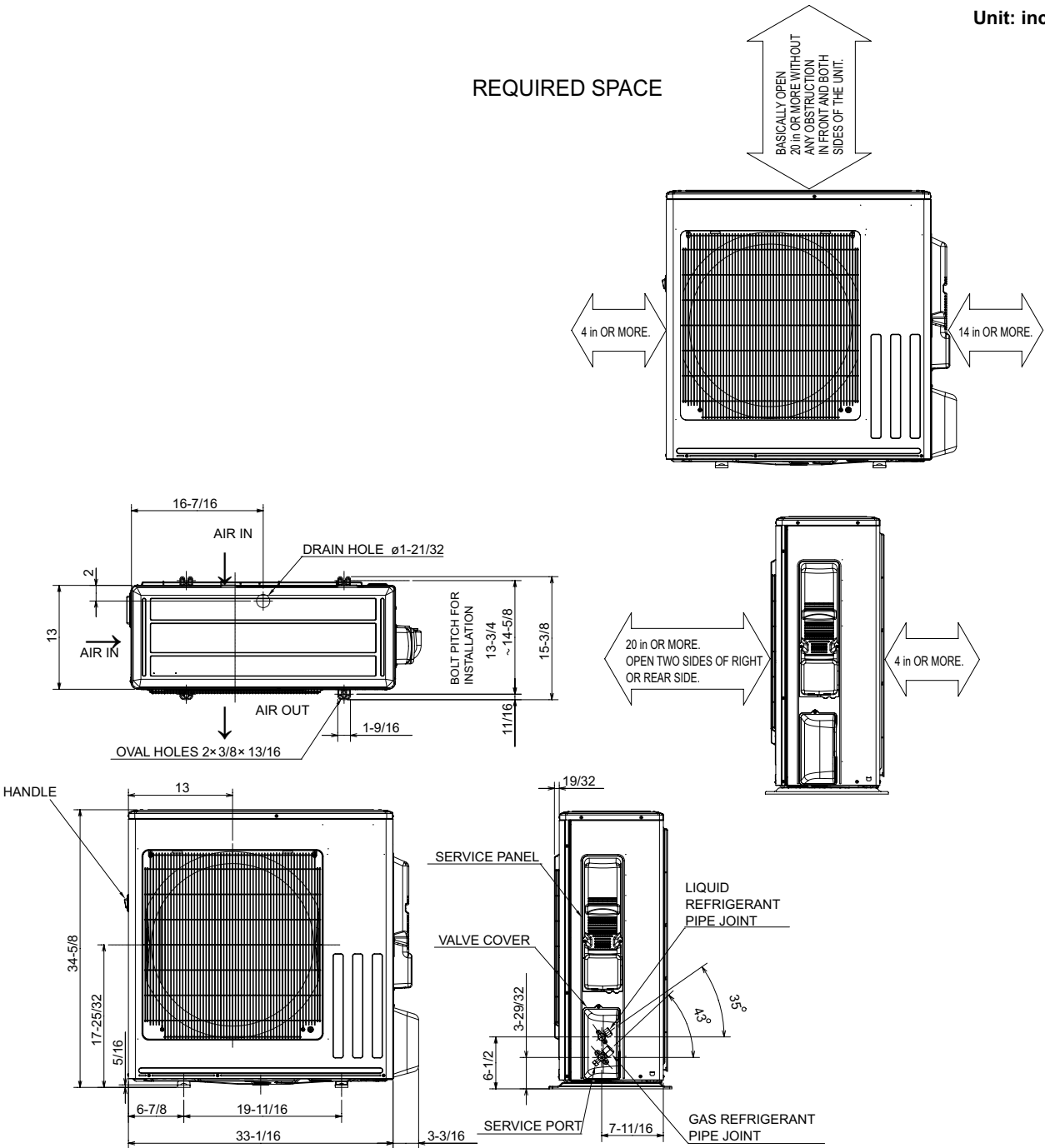
Unit: inch



OUTDOOR UNIT DIMENSIONS: MUZ-GS18NA

Unit: inch

REQUIRED SPACE



REFRIGERANT PIPE JOINT	LIQUID REFRIGERANT PIPE	FLARED $\phi 6.35$ (1/4")
	GAS REFRIGERANT PIPE	GS18: FLARED $\phi 12.7$ (1/2")
		GS24/30/36: FLARED $\phi 15.88$ (5/8")

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



MSZ-GS24NA & MUZ-GS24NA
24,000 BTU/H WALL-MOUNTED INDOOR UNIT
24,000 BTU/H HEAT PUMP OUTDOOR UNIT



Job Name:

System Reference:

Date:



Indoor Unit.....MSZ-GS24NA

Outdoor Unit.....MUZ-GS24NA

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
- Optional Microparticle Filter designed to capture PM2.5
- The outdoor unit powers the indoor unit, and should a power outage occur, the system is automatically restarted when power returns
- Quiet operation
- Smart Set: recalls a preferred preset temperature setting at the touch of a button
- Built-in backup/auxiliary heater control available
- Multiple fan speed options: Quiet, Low, Medium, High, Super-high, Auto
- Multiple control options available:
 - Back-lit screen handheld remote controller (provided with the unit)
 - kumo cloud® smart device app for remote access
 - Third-party interface options
 - Wired or wireless controllers

OUTDOOR UNIT FEATURES

- INVERTER-driven compressor and LEV provide high efficiency and comfort while using only the energy needed to maintain maximum performance
- Blue Fin anti-corrosion treatment applied to the outdoor unit heat exchanger for increased coil protection and longer life
 - Rated for 2,000 hours spraying time per ASTM B117 Standard

SPECIFICATIONS: MSZ-GS24NA & MUZ-GS24NA

Cooling at 95°F ¹	Maximum Capacity	BTU/H	31,400
	Rated Capacity	BTU/H	22,400
	Minimum Capacity	BTU/H	8,200
	Maximum Power Input	W	4,000
	Rated Power Input	W	1,780
	Moisture Removal	Pints/h	5.1
	Sensible Heat Factor		0.75
	Power Factor [208V / 230V]	%	99.0 / 99.0
Heating at 47°F ²	Maximum Capacity	BTU/H	36,900
	Rated Capacity	BTU/H	27,600
	Minimum Capacity	BTU/H	7,500
	Maximum Power Input	W	4,050
	Rated Power Input	W	2,340
	Power Factor [208V / 230V]	%	95.0 / 95.0
Heating at 17°F ³	Maximum Capacity	BTU/H	24,600
	Rated Capacity	BTU/H	17,600
	Maximum Power Input	W	2,950
	Rated Power Input	W	1,930
Heating at 5°F ⁴	Maximum Capacity	BTU/H	19,640
	Maximum Power Input	W	2,560
Efficiency	SEER SEER2		20.5 21.5
	EER ¹ EER2 ¹		12.6 12.6
	HSPF [IV] HSPF2 [IV]		11.3 10.3
	COP at 47°F ²		3.46
	COP at 17°F at Maximum Capacity ³		2.44
	COP at 5°F at Maximum Capacity ⁴		2.25
Electrical	ENERGY STAR® Certified		Yes
	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
Indoor Unit	Power Supply		Indoor unit is powered by the outdoor unit
	MCA	A	1.0
	Fan Motor Full Load Amperage	A	0.5
	Fan Motor Output	W	56
	Airflow Rate at Cooling, Dry	CFM	361–456–565–701
	Airflow Rate at Cooling, Wet	CFM	325–410–509–631
	Airflow Rate at Heating, Dry	CFM	336–456–565–701
	Sound Pressure Level [Cooling]	dB[A]	34–41–47–53
	Sound Pressure Level [Heating]	dB[A]	32–41–47–52
	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]	43-5/16 x 9-3/8 x 12-13/16 [1,100 x 238 x 325]
	Package Dimensions	W x D x H: In. [mm]	45-1/2 x 12-3/4 x 15-1/2 [1,160 x 320 x 390]
	Unit Weight	Lbs. [kg]	37 [16.4]
	Package Weight	Lbs. [kg]	41 [18.4]
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)

¹Cooling (Indoor // Outdoor)

²Heating at 47°F (Indoor // Outdoor)

³Heating at 17°F (Indoor // Outdoor)

°F 80 DB, 67 WB // 95 DB, 75 WB

°F 70 DB, 60 WB // 47 DB, 43 WB

°F 70 DB, 60 WB // 17 DB, 15 WB

Conditions

⁴Heating at 5°F (Indoor // Outdoor)

⁵Heating at -4°F (Indoor // Outdoor)

°F 70 DB, 60 WB // 5 DB, 4 WB

°F 70 DB, 60 WB // -4 DB, -5 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-GS24NA & MUZ-GS24NA

Outdoor Unit	MCA	A	18.0
	MOCP	A	20
	Fan Motor Full Load Amperage	A	0.93
	Fan Motor Output	W	50
	Refrigerant Control		Linear expansion valve
	Defrost Method		N/A
	Sound Pressure Level, Cooling ¹	dB(A)	55
	Sound Pressure Level, Heating ²	dB(A)	55
	Compressor Type		DC inverter driven Twin Rotary
	Compressor Model		SNB172FQKMT
	Compressor Rated Load Amps	A	13.6
	Compressor Locked Rotor Amps	A	17.0
	External Finish Color		Munsell 3Y 7.8/1.1
	Base Pan Heater		Optional
	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 [53.4]
	Package Weight	Lbs. [kg]	136 [61.5]
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 / -4 DB, -5 WB
	Heating Thermal Lock-out / Re-start Temperatures**	°F	-14 / -4
Refrigerant	Type		R410A
	Pre-Charged Refrigerant Amount	Lbs, oz	4.0, 5.0
	Maximum Pre-Charged Piping Length	Ft. [m]	25.0 [7.5]
	Additional Refrigerant Charge Per Additional Piping Length	oz./Ft. [g/m]	1.08 [55]
Piping	Gas Pipe Size O.D. [Flared]	In.[mm]	5/8 [15.88]
	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)

¹Cooling (Indoor // Outdoor) °F 80 DB, 67 WB // 95 DB, 75 WB

²Heating at 47°F (Indoor // Outdoor) °F 70 DB, 60 WB // 47 DB, 43 WB

³Heating at 17°F (Indoor // Outdoor) °F 70 DB, 60 WB // 17 DB, 15 WB

Conditions

⁴Heating at 5°F (Indoor // Outdoor) °F 70 DB, 60 WB // 5 DB, 4 WB

⁵Heating at -4°F (Indoor // Outdoor) °F 70 DB, 60 WB // -4 DB, -5 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.

INDOOR UNIT ACCESSORIES: MSZ-GS24NA

Control Interface	CN24 Relay Kit	CN24RELAY-KIT-CM3
	IT Extender	PAC-WHS01IE-E
	kumo station® for kumo cloud®	PAC-WHS01HC-E
	Procon BACnet® and Modbus® Interface	PAC-UKPRC001-CN-1
	System Control Interface	MAC-334IF-E
	Thermostat Interface	PAC-US444CN-1
	Thermostat Interface	PAC-US445CN-1
	USNAP Adapter	PAC-WHS01UP-E
	Wireless Interface for kumo cloud®	PAC-USWHS002-WF-2
Remote Sensor	Wired Remote Sensor	M21EAA307
	Wireless temperature and humidity sensor for kumo cloud®	PAC-USWHS003-TH-1
Wired Remote Controller	Deluxe Wired MA Remote Controller†	PAR-40MAAU
	Simple Ductless Wired Remote Controller	PAC-SDW01RC-1
	Simple MA Remote Controller†	PAC-YT53CRAU-J
	Touch MA Controller†	PAR-CT01MAU-SB
Wireless Remote Controller	kumo touch™ RedLINK™ Wireless Controller	MHK2
	Lockdown bracket for remote controller	RCMKP1CB
Condensate	Blue Diamond (Advanced) Mini Condensate Pump w/ Reservoir & Sensor (208/230V) [recommended]	X87-721
	Blue Diamond (MegaBlue Advanced) Condensate Pump w/ Reservoir & Sensor	X87-835
	Blue Diamond Alarm Extension Cable — 6.5 Ft.	C13-192
	Blue Diamond MultiTank — collection tank for use with multiple pumps	C21-014
	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
	Refco Condensate Pump (100-240 VAC)	GOBI-II
	Refco Condensate Pump (100-240 VAC) up to 120,000 BTU/H	COMBI
	Sauermann Condensate Pump	SI30-230
Disconnect Switch	(30A/600V/UL) [fits 2" X 4" utility box] - Black	TAZ-MS303
	(30A/600V/UL) [fits 2" X 4" utility box] - White	TAZ-MS303W
Filter	Electro Static Anti-allergy Enzyme Filter	MAC-2310FT-E
	Microparticle (PM2.5) Filter	MAC-EMF615FT-E

NOTES:

†Requires MAC-334IF-E

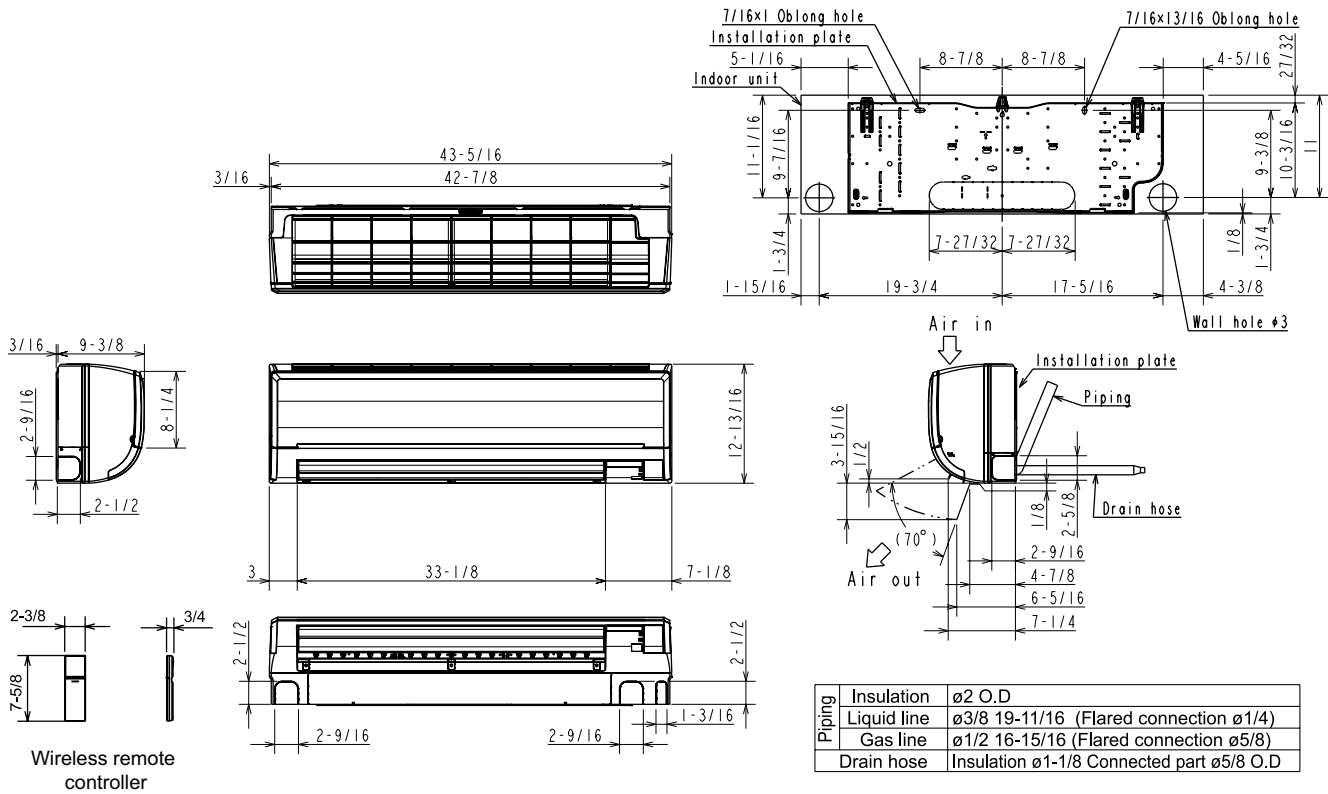
- M-Series EZ FIT® Recessed Ceiling Cassette, Floor-mount and Wall-mount
Allows indoor units to connect to an MA Controller:
Deluxe MA Remote Controller
Simple MA Controller
Touch MA Controller

OUTDOOR UNIT ACCESSORIES: MUZ-GS24NA

Air Outlet Guide	Air Outlet Guide	MAC-886SG-E
Hail Guards	Hail Guard	HG-A7
Lineset	10' x 3/8" x 10' x 5/8" Lineset (Twin-Tube Insulation)	MPLS385812T-10
	100' x 3/8" x 100' x 5/8" Lineset (Twin-Tube Insulation)	MPLS385812T-100
	15' x 3/8" x 15' x 5/8" Lineset (Twin-Tube Insulation)	MPLS385812T-15
	30' x 3/8" x 30' x 5/8" Lineset (Twin-Tube Insulation)	MPLS385812T-30
	50' x 3/8" x 50' x 5/8" Lineset (Twin-Tube Insulation)	MPLS385812T-50
	65' x 3/8" x 65' x 5/8" Lineset (Twin-Tube Insulation)	MPLS385812T-65
Mounting Pad	Condensing Unit Mounting Pad: 16" x 36" x 3"	ULTRILITE1
	Outdoor Unit 3-1/4 inch Mounting Base (Pair) - Plastic	DSD-400P
Optional Defrost Heater	Base Heater	MAC-642BH-U1
Stand	18" Single Fan Stand	QSMS1801M
	24" Single Fan Stand	QSMS2401M
	Condenser Wall Bracket	QSWB2000M-1
	Condenser Wall Bracket - Stainless Steel Finish	QSWBSS
	Outdoor Unit Stand — 12" High	QSMS1201M

INDOOR UNIT DIMENSIONS: MSZ-GS24NA

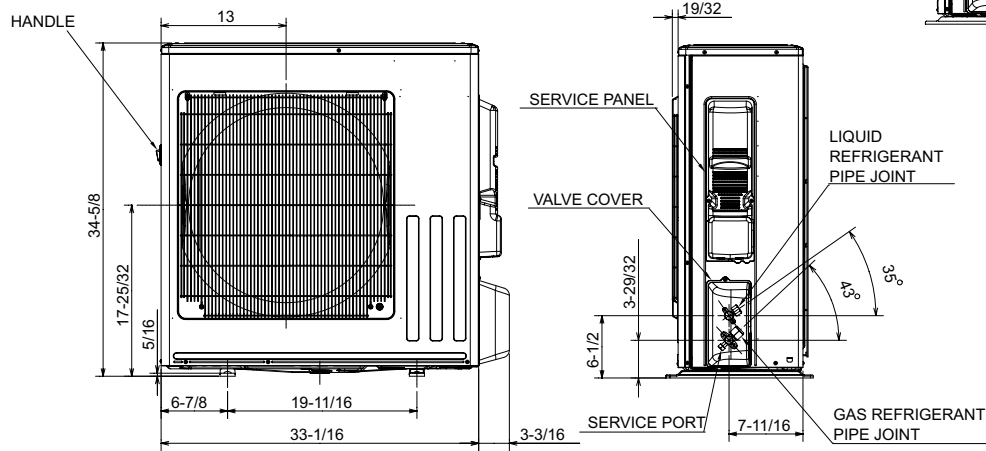
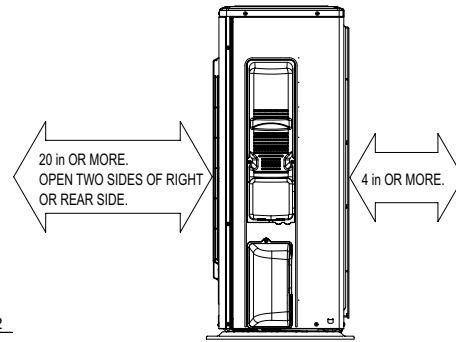
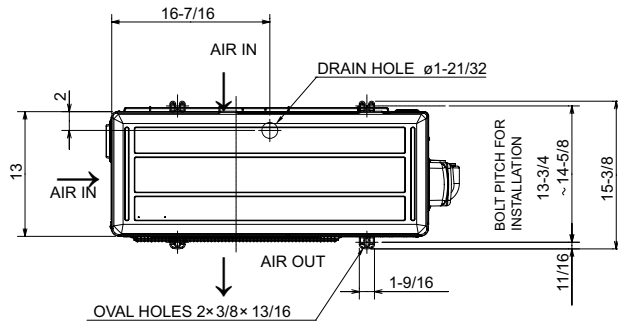
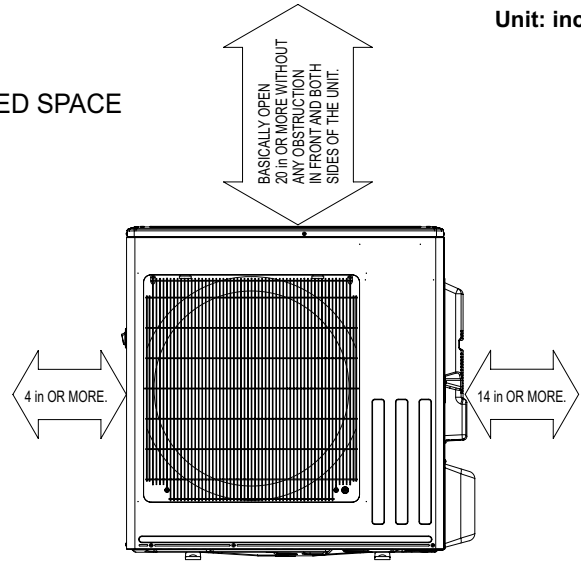
Unit: inch



OUTDOOR UNIT DIMENSIONS: MUZ-GS24NA

Unit: inch

REQUIRED SPACE



REFRIGERANT PIPE JOINT	LIQUID REFRIGERANT PIPE	FLARED ø6.35 (1/4")
	GAS REFRIGERANT PIPE	GS18: FLARED ø12.7 (1/2")
		GS24/30/36: FLARED ø15.88 (5/8")

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FORM# MSZ-GS24NA & MUZ-GS24NA - 202305



MSZ-GS30NA2 & MUZ-GS30NA2
30,000 BTU/H WALL-MOUNTED INDOOR UNIT
30,000 BTU/H HEAT PUMP OUTDOOR UNIT



Job Name:

System Reference:

Date:



Indoor Unit.....MSZ-GS30NA2

Outdoor Unit.....MUZ-GS30NA2

INDOOR UNIT FEATURES

- Dual Barrier Coating
- 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
- Multiple fan speed options: Low, Medium, High, Super-high
 - Auto and Powerful modes available in addition to the four fan speeds
- Multiple control options available:
 - Back-lit screen handheld remote controller (provided with the unit)
 - kumo cloud® smart device app for remote access
 - Third-party interface options
 - Wired or wireless controllers
- Hot-Start Technology: no cold air rush at equipment startup or when restarting after defrost cycle
- Powerful Operation: quickly cools or heats the room by automatically adjusting fan speed and set temperature for 15 minutes
- Weekly Timer: easily set desired temperatures and operation ON/OFF times to match your lifestyle
- Smart Set: recalls a preferred preset temperature setting at the touch of a button
- Smart Dry Mode: improved moisture removal is achieved by optimizing the control of the indoor fan, compressor, and heat exchanger
- Wide Vane mode provides an airflow of 150° in heating and 100° in cooling
- Nano Platinum Filter: incorporates nanometer-sized platinum-ceramic particles that kill bacteria and deodorize air
- Anti-allergy Enzyme Filter: traps allergens such as molds and bacteria and decomposes them using enzymes

OUTDOOR UNIT FEATURES

- INVERTER-driven compressor and LEV provide high efficiency and comfort while using only the energy needed to maintain maximum performance
- Blue Fin anti-corrosion treatment applied to the outdoor unit heat exchanger for increased coil protection and longer life
 - Rated for 2,000 hours spraying time per ASTM B117 Standard

SPECIFICATIONS: MSZ-GS30NA2 & MUZ-GS30NA2

Cooling at 95°F ¹	Maximum Capacity	BTU/H	30,600
	Rated Capacity	BTU/H	30,600
	Minimum Capacity	BTU/H	10,300
	Maximum Power Input	W	3,320
	Rated Power Input	W	3,320
	Moisture Removal	Pints/h	7.8
	Sensible Heat Factor		0.72
Heating at 47°F ²	Power Factor [208V / 230V]	%	98.0 / 98.0
	Maximum Capacity	BTU/H	32,600
	Rated Capacity	BTU/H	34,000
	Minimum Capacity	BTU/H	9,800
	Maximum Power Input	W	3,340
	Rated Power Input	W	3,580
Heating at 17°F ³	Power Factor [208V / 230V]	%	98.0 / 98.0
	Maximum Capacity	BTU/H	20,800
	Rated Capacity	BTU/H	20,000
	Maximum Power Input	W	2,600
Heating at 5°F ⁴	Rated Power Input	W	2,500
	Maximum Capacity	BTU/H	15,470
Heating at -4°F ⁵	Maximum Power Input	W	2,200
	Maximum Capacity	BTU/H	11,500
Efficiency	SEER2		19.1
	EER2 ¹		9.2
	HSPF2 [IV]		8.9
	COP at 47°F ²		2.78
	COP at 17°F at Maximum Capacity ³		2.34
	COP at 5°F at Maximum Capacity ⁴		2.06
	ENERGY STAR® Certified		No
Electrical	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
Indoor Unit	Power Supply		Indoor unit is powered by the outdoor unit
	MCA	A	1.0
	Fan Motor Full Load Amperage	A	0.76
	Fan Motor Output	W	56
	Airflow Rate at Cooling, Dry	CFM	379–613–710–932
	Airflow Rate at Cooling, Wet	CFM	341–552–639–839
	Sound Pressure Level [Cooling]	dB[A]	34–42–49–53
	Sound Pressure Level [Heating]	dB[A]	34–42–49–50
	Drain Pipe Size	In. [mm]	5/8 [16]
	Coating on Heat Exchanger		—
	External Finish Color		White(Munsell 1.0Y 9.2/0.2)
	Unit Dimensions	W x D x H: In. [mm]	46-1/16 x 11-5/8 x 14-3/8 [1,170 x 295 x 365]
	Package Dimensions	W x D x H: In. [mm]	51 x 18-1/2 x 14-1/4 [1,300 x 470 x 360]
	Unit Weight	Lbs. [kg]	45 [20]
	Package Weight	Lbs. [kg]	52 [23]
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	22.0
	Fan Motor Full Load Amperage	A	0.93
	Fan Motor Output	W	50
	External Finish Color		Munsell 3Y 7.8/1.1 1
	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]	122 [55]
	Package Weight	Lbs. [kg]	138 [63]
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, 67 WB / -4 DB, 60 WB
	Heating Thermal Lock-out / Re-start Temperatures**	°F	-14 / -4
Refrigerant	Type		R410A
Piping	Gas Pipe Size O.D. [Flared]	In.[mm]	5/8 [15.88]
	Liquid Pipe Size O.D. [Flared]	In.[mm]	1/4 [6.35]

NOTES:

AHRI Rated Conditions

(Rated data is determined at a fixed compressor speed)

¹Cooling (Indoor // Outdoor)

²Heating at 47°F (Indoor // Outdoor)

³Heating at 17°F (Indoor // Outdoor)

°F 80 DB, 67 WB // 95 DB, 75 WB

°F 70 DB, 60 WB // 47 DB, 43 WB

°F 70 DB, 60 WB // 17 DB, 15 WB

Conditions

⁴Heating at 5°F (Indoor // Outdoor)

⁵Heating at -4°F (Indoor // Outdoor)

°F 70 DB, 60 WB // 5 DB, 4 WB

°F 70 DB, 60 WB // -4 DB, -5 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.

INDOOR UNIT ACCESSORIES: MSZ-GS30NA2

Control Interface	IT Extender	PAC-WHS01IE-E
	kumo station® for kumo cloud®	PAC-WHS01HC-E
	Procon BACnet® and Modbus® Interface	PAC-UKPRC001-CN-1
	System Control Interface	MAC-334IF-E
	Thermostat Interface	PAC-US445CN-1
	USNAP Adapter	PAC-WHS01UP-E
	Wireless Interface for kumo cloud®	PAC-USWHS002-WF-2
Remote Sensor	Wired Remote Sensor	M21EAA307
	Wireless temperature and humidity sensor for kumo cloud®	PAC-USWHS003-TH-1
Wired Remote Controller	Deluxe Wired MA Remote Controller†	PAR-40MAAU
	Simple Ductless Wired Remote Controller	PAC-SDW01RC-1
	Simple MA Remote Controller†	PAC-YT53CRAU-J
	Touch MA Controller†	PAR-CT01MAU-SB
Wireless Remote Controller	kumo touch™ RedLINK™ Wireless Controller	MHK2
	Lockdown bracket for remote controller	RCMKP1CB
Condensate	Blue Diamond (Advanced) Mini Condensate Pump w/ Reservoir & Sensor (208/230V) [recommended]	X87-721
	Blue Diamond (MegaBlue Advanced) Condensate Pump w/ Reservoir & Sensor	X87-835
	Blue Diamond Alarm Extension Cable — 6.5 Ft.	C13-192
	Blue Diamond MultiTank — collection tank for use with multiple pumps	C21-014
	Blue Diamond Sensor Extension Cable — 15 Ft.	C13-103
	Drain Pan Level Sensor/Control	SS610E
	Refco Condensate Pump (100-240 VAC)	GOBI-II
	Refco Condensate Pump (100-240 VAC) up to 120,000 BTU/H	COMBI
	Sauermann Condensate Pump	SI30-230
Disconnect Switch	(30A/600V/UL) [fits 2" X 4" utility box] - Black	TAZ-MS303
	(30A/600V/UL) [fits 2" X 4" utility box] - White	TAZ-MS303W
Lineset	100' x 1/4" x 100' x 5/8" Lineset (Twin-Tube Insulation)	MLS145812T-100
	15' x 1/4" x 15' x 5/8" Lineset (Twin-Tube Insulation)	MLS145812T-15
	30' x 1/4" x 30' x 5/8" Lineset (Twin-Tube Insulation)	MLS145812T-30
	50' x 1/4" x 50' x 5/8" Lineset (Twin-Tube Insulation)	MLS145812T-50
	65' x 1/4" x 65' x 5/8" Lineset (Twin-Tube Insulation)	MLS145812T-65

NOTES:

†Requires MAC-334IF-E

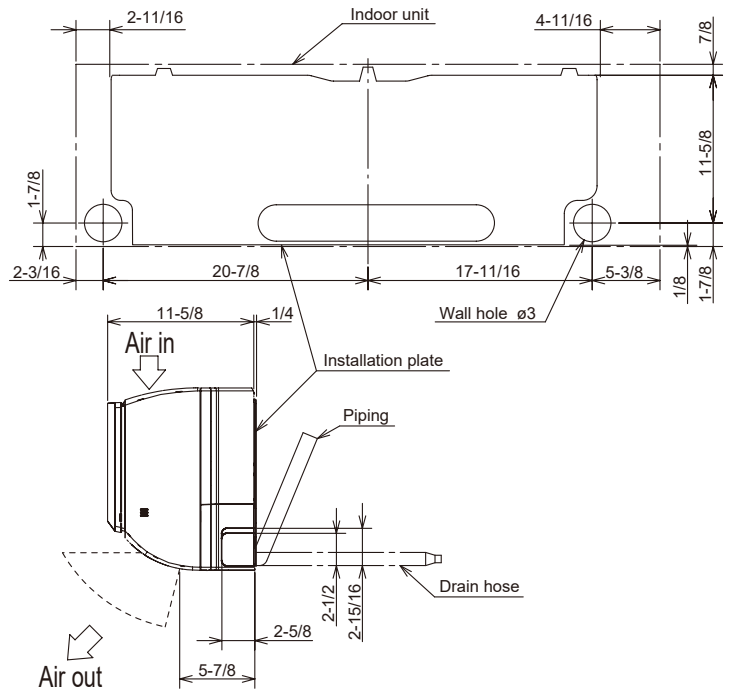
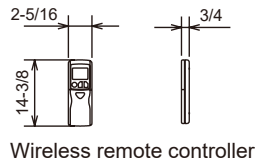
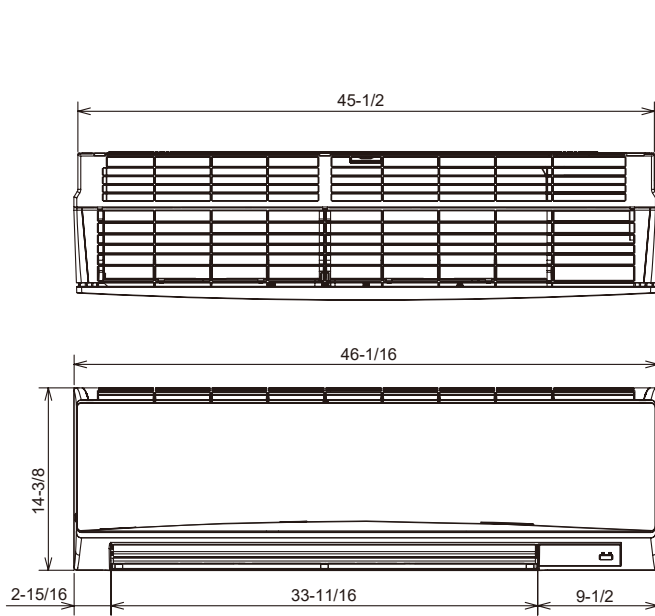
- M-Series EZ FIT® Recessed Ceiling Cassette, Floor-mount and Wall-mount
Allows indoor units to connect to an MA Controller:
Deluxe MA Remote Controller
Simple MA Controller
Touch MA Controller

OUTDOOR UNIT ACCESSORIES: MUZ-GS30NA2

Air Outlet Guide	Air Outlet Guide	MAC-890SG-E
Control/Service Tool	M- & P-Series Maintenance Tool Cable Set	M21EC0397
	Maintenance Tool Interface	PAC-USCMS-MN-1
Drain Socket	Drain Socket	MAC-871DS
Hail Guards	Hail Guard	HG-A7
Mini-Split Wire	14 Gauge, 4 wire MiniSplit Cable—250 ft. roll	SW144-250
	14 Gauge, 4 wire MiniSplit Cable—50 ft. roll	SW144-50
	16 Gauge, 4 wire MiniSplit Cable—250 ft. roll	SW164-250
	16 Gauge, 4 wire MiniSplit Cable—50 ft. roll	SW164-50
Mounting Pad	Condensing Unit Mounting Pad: 16" x 36" x 3"	ULTRILITE1
	Outdoor Unit 3-1/4 inch Mounting Base (Pair) - Plastic	DSD-400P
Stand	18" Single Fan Stand	QSMS1801M
	24" Single Fan Stand	QSMS2401M
	Condenser Wall Bracket	QSWB2000M-1
	Condenser Wall Bracket - Stainless Steel Finish	QSWBSS
	Outdoor Unit Stand — 12" High	QSMS1201M

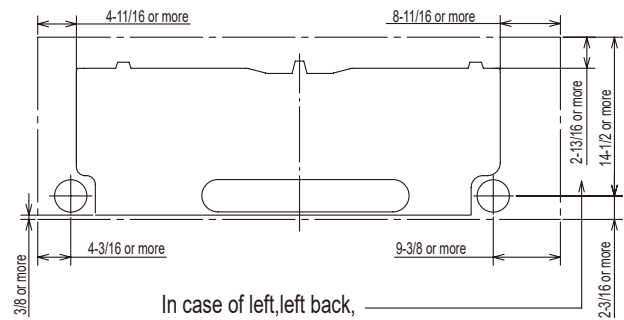
INDOOR UNIT DIMENSIONS: MSZ-GS30NA2

Unit : inch



	PIPING	INSULATION
LIQUID LINE	$\phi 3/8$ - 19-11/16 (FLARED CONNECTION $\phi 1/4$)	$\phi 1-1/4$ O.D $\phi 9/16$ I.D
GAS LINE	$\phi 15/32$ - 17-13/16 (FLARED CONNECTION $\phi 5/8$)	$\phi 1-7/16$ O.D $\phi 13/16$ I.D
DRAIN HOSE	INSULATION $\phi 1-1/8$ CONNECTED PART $\phi 5/8$ O.D	

Required Space (Indoor Unit)

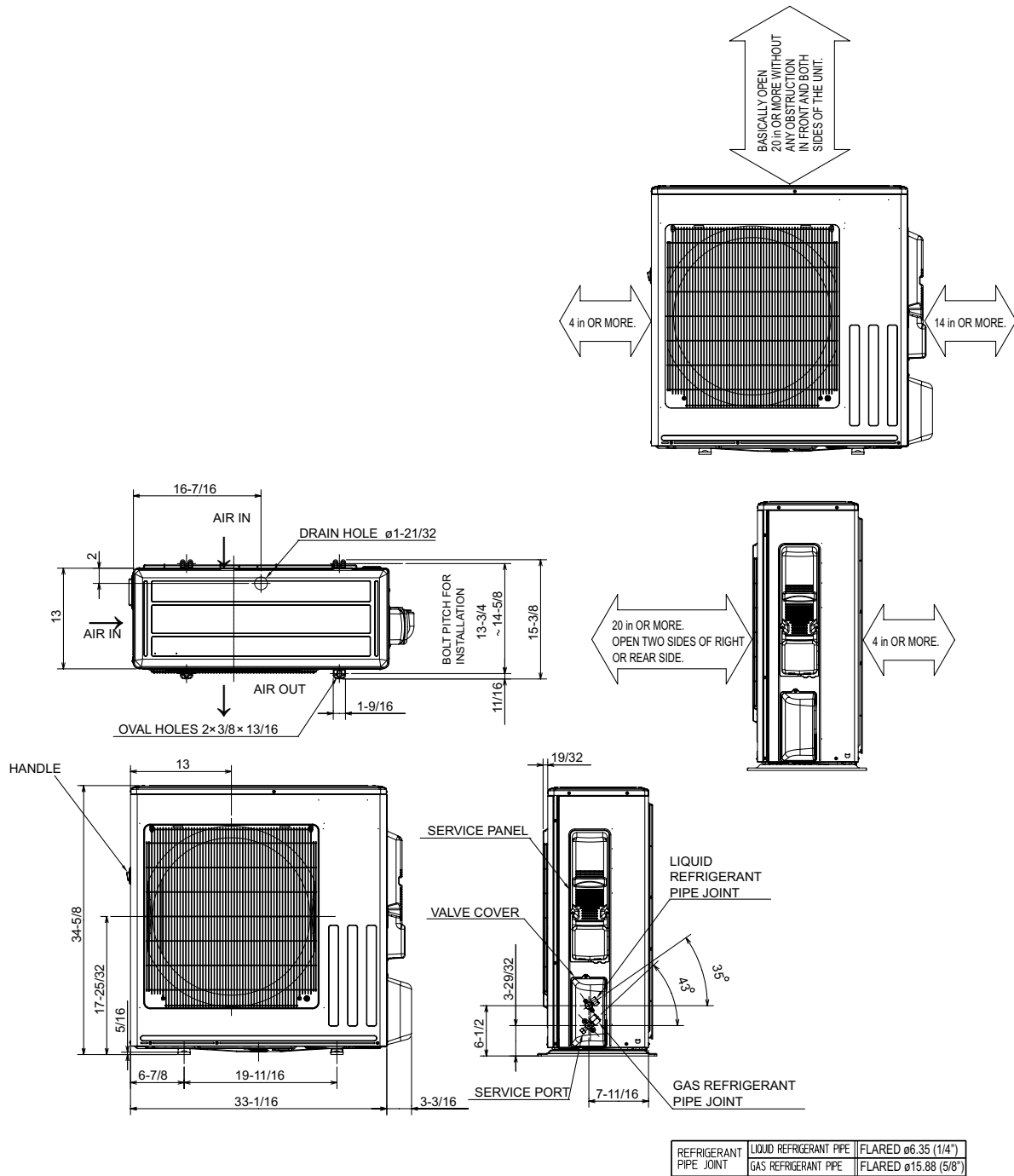


In case of left, left back,
or left under piping (using spacer) 5-1/8 or more

OUTDOOR UNIT DIMENSIONS: MUZ-GS30NA2

Unit: inch

REQUIRED SPACE



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

FORM# MSZ-GS30NA2 & MUZ-GS30NA2 - 202306



MSZ-GS36NA2 & MUZ-GS36NA2
36,000 BTU/H WALL-MOUNTED INDOOR UNIT
36,000 BTU/H HEAT PUMP OUTDOOR UNIT



Job Name:

System Reference:

Date:



Indoor Unit.....MSZ-GS36NA2

Outdoor Unit.....MUZ-GS36NA2

INDOOR UNIT FEATURES

- Dual Barrier Coating
- 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
- Multiple fan speed options: Low, Medium, High, Super-high
 - Auto and Powerful modes available in addition to the four fan speeds
- Multiple control options available:
 - Back-lit screen handheld remote controller (provided with the unit)
 - kumo cloud® smart device app for remote access
 - Third-party interface options
 - Wired or wireless controllers
- Hot-Start Technology: no cold air rush at equipment startup or when restarting after defrost cycle
- Powerful Operation: quickly cools or heats the room by automatically adjusting fan speed and set temperature for 15 minutes
- Weekly Timer: easily set desired temperatures and operation ON/OFF times to match your lifestyle
- Smart Set: recalls a preferred preset temperature setting at the touch of a button
- Smart Dry Mode: improved moisture removal is achieved by optimizing the control of the indoor fan, compressor, and heat exchanger
- Wide Vane mode provides an airflow of 150° in heating and 100° in cooling
- Nano Platinum Filter: incorporates nanometer-sized platinum-ceramic particles that kill bacteria and deodorize air
- Anti-allergy Enzyme Filter: traps allergens such as molds and bacteria and decomposes them using enzymes

OUTDOOR UNIT FEATURES

- INVERTER-driven compressor and LEV provide high efficiency and comfort while using only the energy needed to maintain maximum performance
- Blue Fin anti-corrosion treatment applied to the outdoor unit heat exchanger for increased coil protection and longer life
 - Rated for 2,000 hours spraying time per ASTM B117 Standard

SPECIFICATIONS: MSZ-GS36NA2 & MUZ-GS36NA2

Cooling at 95°F ¹	Maximum Capacity	BTU/H	33,200
	Rated Capacity	BTU/H	33,200
	Minimum Capacity	BTU/H	10,300
	Maximum Power Input	W	3,770
	Rated Power Input	W	3,770
	Moisture Removal	Pints/h	9.3
	Sensible Heat Factor		0.69
	Power Factor [208V / 230V]	%	98.0 / 98.0
Heating at 47°F ²	Maximum Capacity	BTU/H	35,200
	Rated Capacity	BTU/H	36,000
	Minimum Capacity	BTU/H	9,800
	Maximum Power Input	W	3,740
	Rated Power Input	W	4,000
	Power Factor [208V / 230V]	%	99.0 / 99.0
Heating at 17°F ³	Maximum Capacity	BTU/H	22,800
	Rated Capacity	BTU/H	21,600
	Maximum Power Input	W	2,920
	Rated Power Input	W	2,770
Heating at 5°F ⁴	Maximum Capacity	BTU/H	17,470
	Maximum Power Input	W	2,480
Heating at -4°F ⁵	Maximum Capacity	BTU/H	13,500
Efficiency	SEER2		18.4
	EER2 ¹		8.8
	HSPF2 [IV]		8.5
	COP at 47°F ²		2.64
	COP at 17°F at Maximum Capacity ³		2.29
	COP at 5°F at Maximum Capacity ⁴		2.06
	ENERGY STAR® Certified		No
Electrical	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
	Power Supply		Indoor unit is powered by the outdoor unit
Indoor Unit	MCA	A	1.0
	Fan Motor Full Load Amperage	A	0.76
	Fan Motor Output	W	56
	Airflow Rate at Cooling, Dry	CFM	379–613–710–932
	Airflow Rate at Cooling, Wet	CFM	341–552–639–839
	Sound Pressure Level [Cooling]	dB[A]	34–42–49–53
	Sound Pressure Level [Heating]	dB[A]	34–42–49–50
	Drain Pipe Size	In. [mm]	5/8 [16]
	Coating on Heat Exchanger		—
	External Finish Color		White(Munsell 1.0Y 9.2/0.2)
	Unit Dimensions	W x D x H: In. [mm]	46-1/16 x 11-5/8 x 14-3/8 [1,170 x 295 x 365]
	Package Dimensions	W x D x H: In. [mm]	51 x 18-1/2 x 14-1/4 [1,300 x 470 x 360]
	Unit Weight	Lbs. [kg]	45 [20]
	Package Weight	Lbs. [kg]	52 [23]
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	22.0
	Fan Motor Full Load Amperage	A	0.93
	Fan Motor Output	W	50
	External Finish Color		Munsell 3Y 7.8/1.1 1
	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]	122 [55]
	Package Weight	Lbs. [kg]	138 [63]
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, 67 WB / -4 DB, 60 WB
	Heating Thermal Lock-out / Re-start Temperatures**	°F	-14 / -4
Refrigerant	Type		R410A
Piping	Gas Pipe Size O.D. [Flared]	In.[mm]	5/8 [15.88]
	Liquid Pipe Size O.D. [Flared]	In.[mm]	1/4 [6.35]

NOTES:

AHRI Rated Conditions

(Rated data is determined at a fixed compressor speed)

¹Cooling (Indoor // Outdoor)

²Heating at 47°F (Indoor // Outdoor)

³Heating at 17°F (Indoor // Outdoor)

°F 80 DB, 67 WB // 95 DB, 75 WB

°F 70 DB, 60 WB // 47 DB, 43 WB

°F 70 DB, 60 WB // 17 DB, 15 WB

Conditions

⁴Heating at 5°F (Indoor // Outdoor)

⁵Heating at -4°F (Indoor // Outdoor)

°F 70 DB, 60 WB // 5 DB, 4 WB

°F 70 DB, 60 WB // -4 DB, -5 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.

INDOOR UNIT ACCESSORIES: MSZ-GS36NA2

Control Interface	IT Extender	PAC-WHS01IE-E
	kumo station® for kumo cloud®	PAC-WHS01HC-E
	Procon BACnet® and Modbus® Interface	PAC-UKPRC001-CN-1
	System Control Interface	MAC-334IF-E
	Thermostat Interface	PAC-US445CN-1
	USNAP Adapter	PAC-WHS01UP-E
	Wireless Interface for kumo cloud®	PAC-USWHS002-WF-2
Remote Sensor	Wired Remote Sensor	M21EAA307
	Wireless temperature and humidity sensor for kumo cloud®	PAC-USWHS003-TH-1
Wired Remote Controller	Deluxe Wired MA Remote Controller†	PAR-40MAAU
	Simple Ductless Wired Remote Controller	PAC-SDW01RC-1
	Simple MA Remote Controller†	PAC-YT53CRAU-J
	Touch MA Controller†	PAR-CT01MAU-SB
Wireless Remote Controller	kumo touch™ RedLINK™ Wireless Controller	MHK2
	Lockdown bracket for remote controller	RCMKP1CB
Condensate	Blue Diamond (Advanced) Mini Condensate Pump w/ Reservoir & Sensor (208/230V) [recommended]	X87-721
	Blue Diamond (MegaBlue Advanced) Condensate Pump w/ Reservoir & Sensor	X87-835
	Blue Diamond Alarm Extension Cable — 6.5 Ft.	C13-192
	Blue Diamond MultiTank — collection tank for use with multiple pumps	C21-014
	Blue Diamond Sensor Extension Cable — 15 Ft.	C13-103
	Drain Pan Level Sensor/Control	SS610E
	Refco Condensate Pump (100-240 VAC)	GOBI-II
	Refco Condensate Pump (100-240 VAC) up to 120,000 BTU/H	COMBI
	Sauermann Condensate Pump	SI30-230
Disconnect Switch	(30A/600V/UL) [fits 2" X 4" utility box] - Black	TAZ-MS303
	(30A/600V/UL) [fits 2" X 4" utility box] - White	TAZ-MS303W
Lineset	100' x 1/4" x 100' x 5/8" Lineset (Twin-Tube Insulation)	MLS145812T-100
	15' x 1/4" x 15' x 5/8" Lineset (Twin-Tube Insulation)	MLS145812T-15
	30' x 1/4" x 30' x 5/8" Lineset (Twin-Tube Insulation)	MLS145812T-30
	50' x 1/4" x 50' x 5/8" Lineset (Twin-Tube Insulation)	MLS145812T-50
	65' x 1/4" x 65' x 5/8" Lineset (Twin-Tube Insulation)	MLS145812T-65

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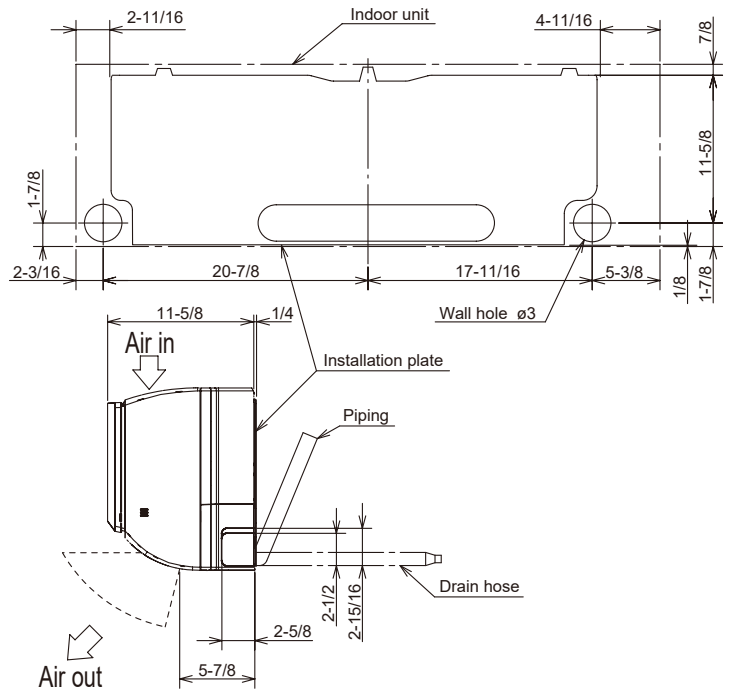
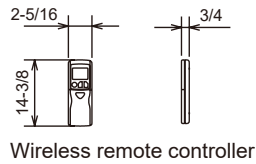
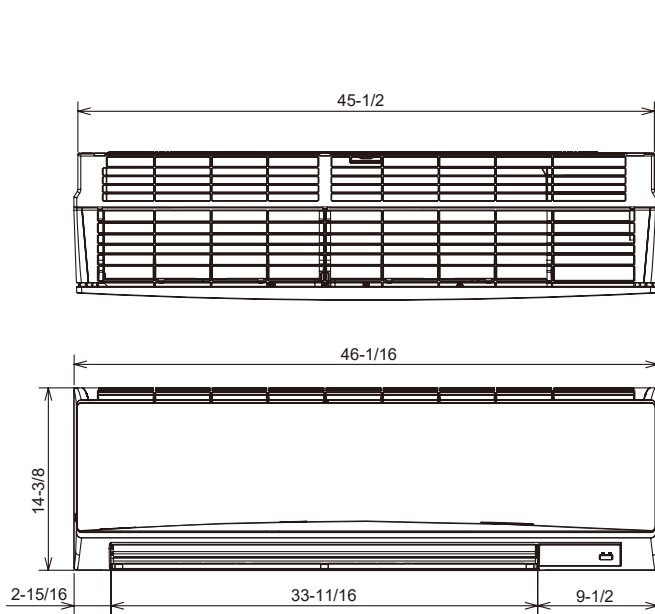
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Air Outlet Guide	Air Outlet Guide	MAC-890SG-E
Condensate	Refco Condensate Pump (100-240 VAC) up to 120,000 BTU/H	COMBI
Control/Service Tool	M- & P-Series Maintenance Tool Cable Set	M21EC0397
	Maintenance Tool Interface	PAC-USCMS-MN-1
Drain Socket	Drain Socket	MAC-871DS
Hail Guards	Hail Guard	HG-A7
Mini-Split Wire	14 Gauge, 4 wire MiniSplit Cable—250 ft. roll	SW144-250
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	Outdoor Unit Stand — 12" High	QSMS1201M

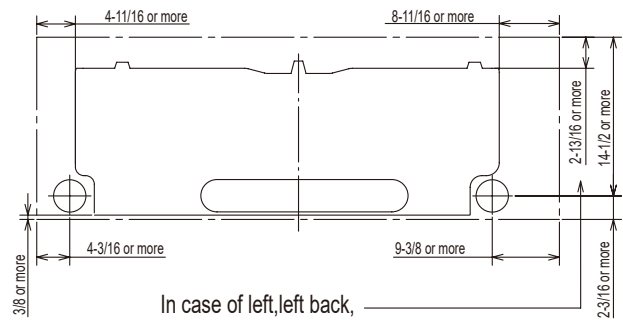
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Required Space (Indoor Unit)

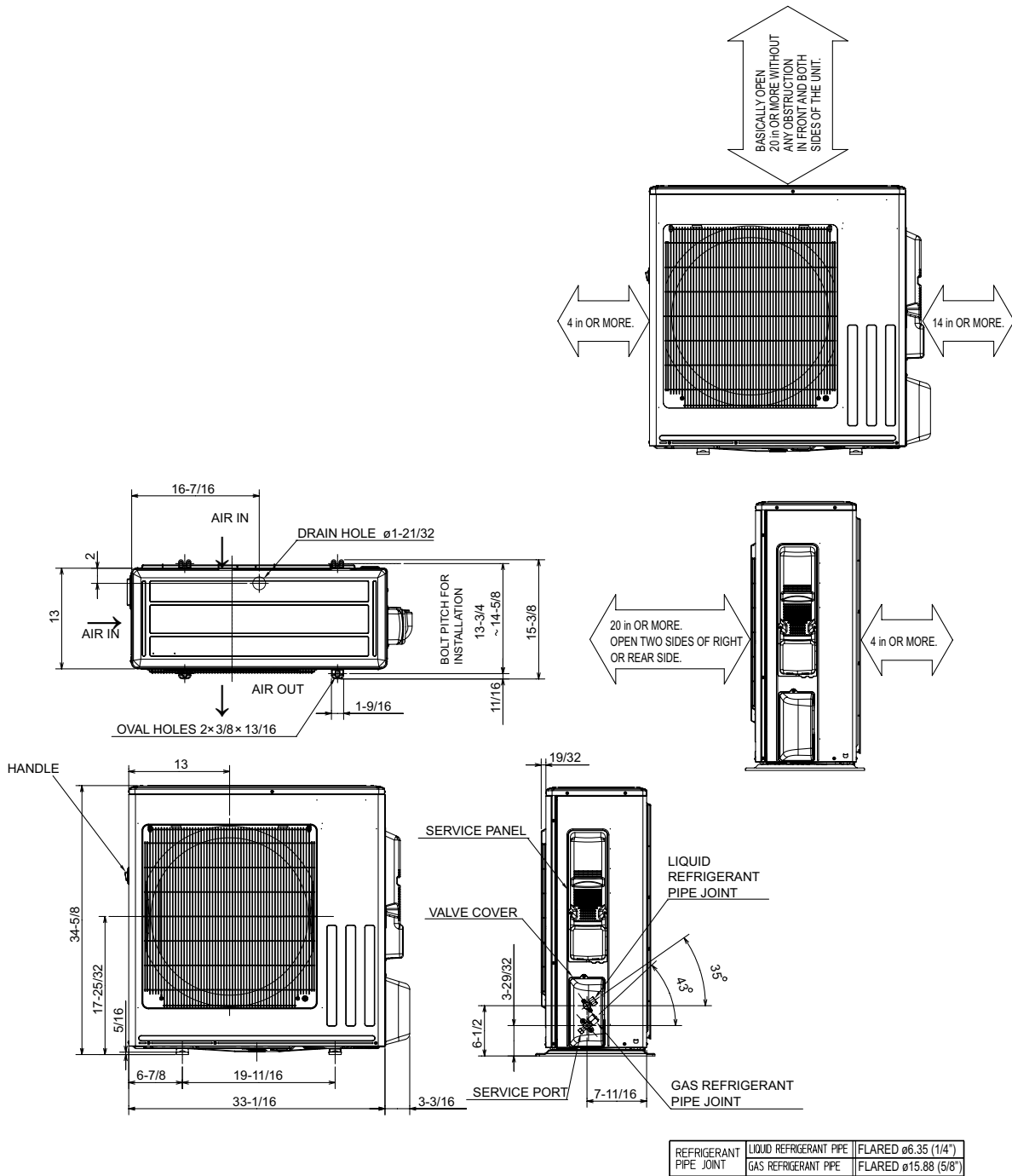


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