

**MSZ-GS18NA & MUZ-GS18NA**  
**18,000 BTU/H HEAT PUMP OUTDOOR UNIT**  
**18,000 BTU/H WALL-MOUNTED INDOOR 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 <sup>1</sup>            | 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 <sup>2</sup>            | 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 <sup>3</sup>            | 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 <sup>4</sup>             | Maximum Capacity                             | BTU/H               | 14,780                                     |
|                                         | Maximum Power Input                          | W                   | 1,910                                      |
| Efficiency                              | SEER   SEER2                                 |                     | 20.5   21.5                                |
|                                         | EER <sup>1</sup>   EER2 <sup>1</sup>         |                     | 13.45   13.45                              |
|                                         | HSPF [IV]   HSPF2 [IV]                       |                     | 12.0   10.3                                |
|                                         | COP at 47°F <sup>2</sup>                     |                     | 3.77                                       |
|                                         | COP at 17°F at Maximum Capacity <sup>3</sup> |                     | 2.56                                       |
|                                         | COP at 5°F at Maximum Capacity <sup>4</sup>  |                     | 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)

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

|            |                                                 |    |                            |
|------------|-------------------------------------------------|----|----------------------------|
| Conditions | <sup>4</sup> Heating at 5°F (Indoor // Outdoor) | °F | 70 DB, 60 WB // 5 DB, 4 WB |
|------------|-------------------------------------------------|----|----------------------------|

\*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 <sup>1</sup>                 | dB(A)               | 54                                      |
|                                          | Sound Pressure Level, Heating <sup>2</sup>                 | 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             | 0.4, 11.8                               |
|                                          | 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)

<sup>1</sup>Cooling (Indoor // Outdoor)

°F 80 DB, 67 WB // 95 DB, 75 WB

<sup>2</sup>Heating at 47°F (Indoor // Outdoor)

°F 70 DB, 60 WB // 47 DB, 43 WB

<sup>3</sup>Heating at 17°F (Indoor // Outdoor)

°F 70 DB, 60 WB // 17 DB, 15 WB

Conditions

<sup>4</sup>Heating at 5°F (Indoor // Outdoor)

°F 70 DB, 60 WB // 5 DB, 4 WB

\*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):

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## INDOOR UNIT ACCESSORIES: MSZ-GS18NA

|                            |                                                                                             |                   |
|----------------------------|---------------------------------------------------------------------------------------------|-------------------|
| Control Interface          | 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     |
|                            | 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

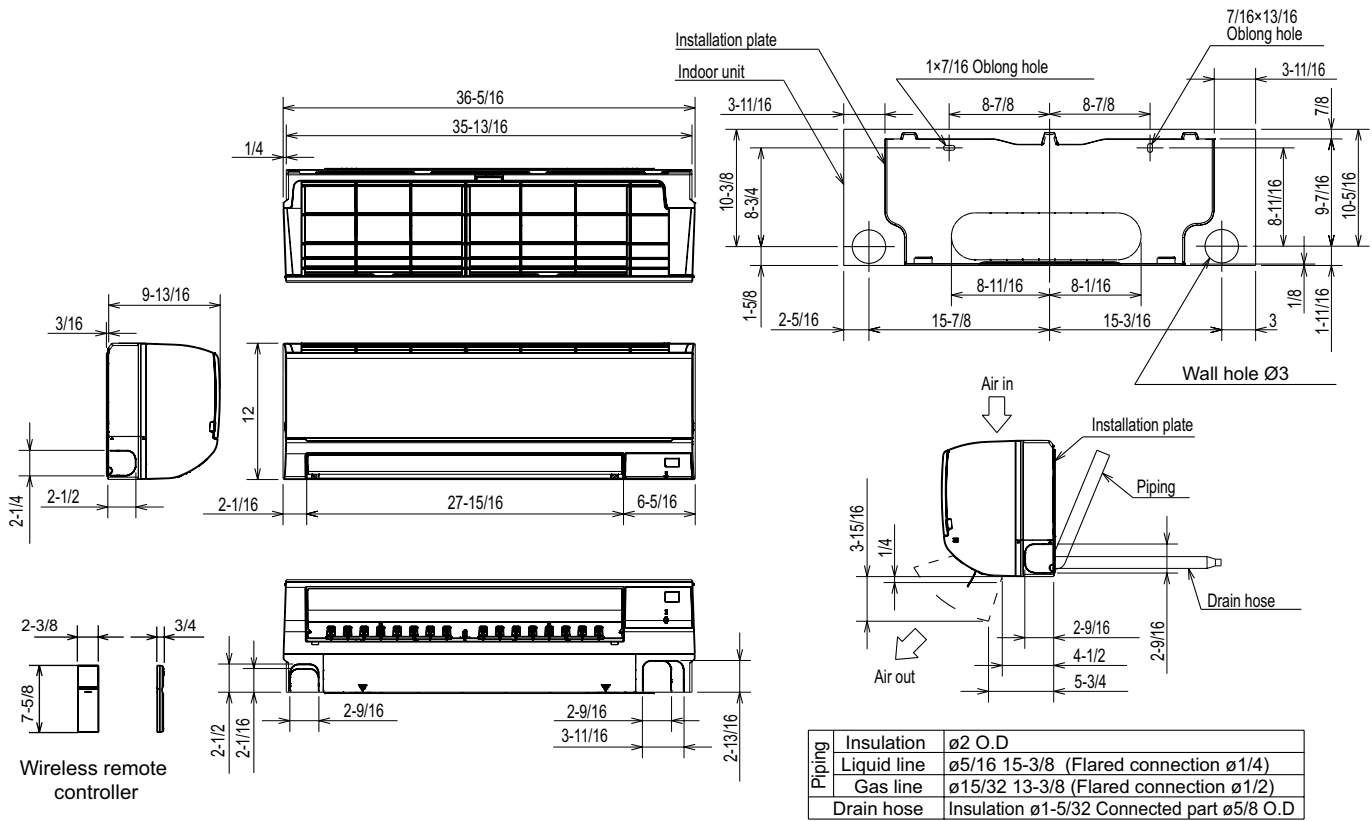
- M-Series EZ FIT® Recessed Ceiling Cassette, Floor-mount and Wall-mount  
Allows indoor units to connect to an MA Controller:  
Deluxe MA Remote Controller  
Simple MA Controller  
Touch MA Controller

## 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

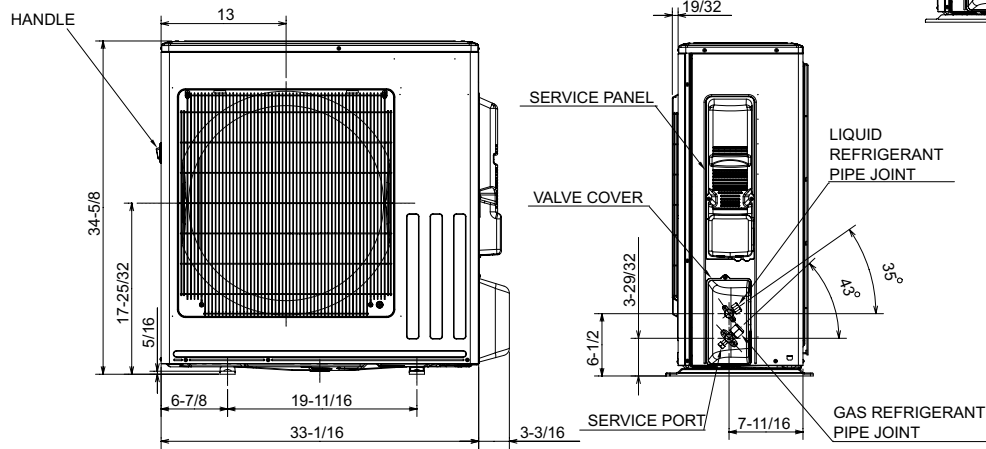
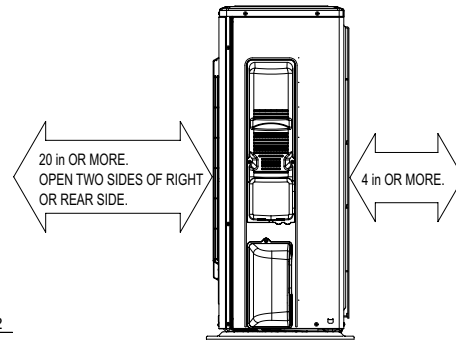
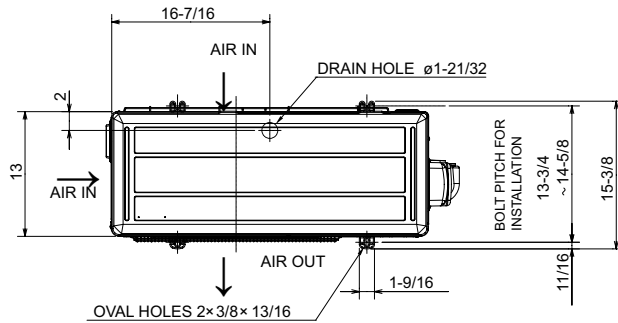
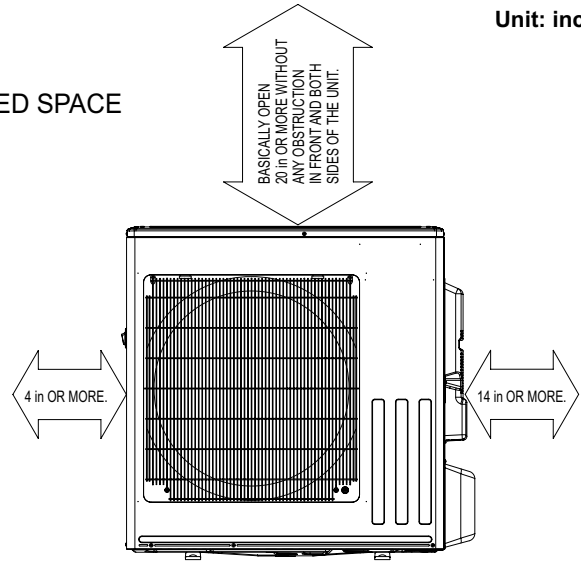
Unit: inch



# OUTDOOR UNIT DIMENSIONS: MUZ-GS18NA

Unit: inch

## REQUIRED SPACE



|                           |                         |                                  |
|---------------------------|-------------------------|----------------------------------|
| REFRIGERANT<br>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-GS18NA & MUZ-GS18NA - 202304

