

SLZ-AF12NL & SUZ-AA12NLHZ  
12,000 BTU/H CEILING CASSETTE INDOOR UNIT  
12,000 BTU/H HYPER HEAT PUMP OUTDOOR UNIT



Job Name:

System Reference:

Date:



INDOOR Unit ... SLZ-AF12NL  
OUTDOOR Unit ... SUZ-AA12NLHZ

#### INDOOR UNIT FEATURES

- Wi-Fi Optional: A Wireless Interface Adapter can be ordered as an accessory for field installation.
- Swing Mode: An indoor unit with this capability can move air throughout the room like an oscillating fan.
- Multi-flow Vane Control: Multi-flow Vane Control intelligently directs air throughout a space for even temperature distribution.
- Light Commercial: Light commercial applications include small offices, restaurants, and retail.
- Dual Set Point: The controller can be used to program two different set points. The unit will automatically adjust between the set points for optimum comfort.
- Three Speed Fan: Adjust the fan between three speed settings to optimal comfort.
- Horizontal Vane Control: Horizontal Vane Control allows the indoor unit vanes to be moved left and right to provide even temperatures throughout a space.
- 3D i-see Sensor® (Optional): The advanced sensor scans each room to produce a complete thermal profile that includes heat signatures based upon size, temperature and movement, then adjusts temperature and airflow based on user preference, and saves energy according to room occupancy.

#### OUTDOOR UNIT FEATURES

- H2i® Hyper-Heating: 100% heating capacity down to 5° F .
- Inverter Driven Compressor: Inverter technology uses only the precise amount of energy needed to keep a space comfortable.
- Blue Fin Coating: Anti-corrosion coating that protects the outdoor heat exchanger against salt, sulfur, and other airborne contaminants that impact the efficiency and performance of the outdoor units.
- Base Pan Heater: This advanced base pan heater helps to prevent interrupted operation due to water freezing after a defrost cycle, ensuring your warmth and comfort during colder weather.
- Seacoast Protection: An anti-corrosion treatment applied to the aluminum fins of the heat exchanger of the outdoor unit to protect against corrosion caused by salt, sulfur, and other airborne contaminants, especially in coastal and industrial areas.

# SPECIFICATIONS: SLZ-AF12NL & SUZ-AA12NLHZ

|                              |                                               |                                     |                                                 |
|------------------------------|-----------------------------------------------|-------------------------------------|-------------------------------------------------|
| Cooling at 95F <sup>1</sup>  | Maximum Capacity                              | Btu/h                               | 12000                                           |
|                              | Rated Capacity                                | Btu/h                               | 12000                                           |
|                              | Minimum Capacity                              | Btu/h                               | 5200                                            |
|                              | Maximum Power Input                           | W                                   | 860                                             |
|                              | Rated Power Input                             | W                                   | 860                                             |
|                              | Moisture Removal                              | Pints/h                             | 2.10                                            |
|                              | Sensible Heat Factor                          |                                     | 0.80                                            |
| Heating at 47F <sup>2</sup>  | Power Factor [208V / 230V]                    | %                                   | 95 / 95                                         |
|                              | Maximum Capacity                              | Btu/h                               | 16900                                           |
|                              | Rated Capacity                                | Btu/h                               | 15000                                           |
|                              | Minimum Capacity                              | Btu/h                               | 7700                                            |
|                              | Maximum Power Input                           | W                                   | 1510                                            |
|                              | Rated Power Input                             | W                                   | 1290                                            |
| Heating at 17F <sup>3</sup>  | Power Factor [208V / 230V]                    | %                                   | 98 / 98                                         |
|                              | Maximum Capacity                              | Btu/h                               | 15000                                           |
|                              | Rated Capacity                                | Btu/h                               | 9600                                            |
|                              | Maximum Power Input                           | W                                   | 1860                                            |
| Heating at 5F <sup>5</sup>   | Rated Power Input                             | W                                   | 1290                                            |
|                              | Maximum Capacity                              | Btu/h                               | 15000                                           |
| Heating at -13F <sup>9</sup> | Maximum Power Input                           | W                                   | 2310                                            |
| Efficiency                   | Maximum Capacity                              | Btu/h                               | 9000                                            |
|                              | SEER2                                         |                                     | 16.80                                           |
|                              | EER2 <sup>1</sup>                             |                                     | 13.90                                           |
|                              | HSPF2 [IV]                                    |                                     | 9.40                                            |
|                              | COP at 47°F <sup>2</sup>                      |                                     | 3.40                                            |
|                              | COP at 17°F at Maximum Capacity <sup>3</sup>  |                                     | 2.30                                            |
|                              | COP at 5°F at Maximum Capacity <sup>5</sup>   |                                     | 1.90                                            |
| Electrical                   | COP at -13°F at Maximum Capacity <sup>9</sup> |                                     | 1.45                                            |
|                              | ENERGY STAR® Certified                        |                                     | Yes                                             |
|                              | Voltage, Phase, Frequency                     | V AC / V AC , Ø , Hz                | 208 / 230 , 1 , 60                              |
|                              | Guaranteed Voltage Range                      | V AC                                | 198 - 253                                       |
|                              | Voltage: Indoor - Outdoor, S1-S2              | V AC                                | 208/230                                         |
|                              | Voltage: Indoor - Outdoor, S2-S3              | V DC                                | 12-24                                           |
|                              | Short-circuit Current Rating [SCCR]           | kA                                  | 5                                               |
| Indoor Unit                  | Recommended Fuse/Breaker Size (Outdoor)       | A                                   | 30                                              |
|                              | Recommended Wire Size [Indoor - Outdoor]      | AWG                                 | 14                                              |
|                              | Fan Motor Output                              | W                                   | 50                                              |
|                              | Fan Motor Type                                |                                     | DC Motor                                        |
|                              | Airflow Rate at Cooling, Dry                  | CFM                                 | 230 , 280 , 335                                 |
|                              | Airflow Rate at Heating, Dry                  | CFM                                 | 230 , 280 , 335                                 |
|                              | Sound Pressure Level [Heating]                | dB (A)                              | 25 , 30 , 34                                    |
|                              | Condensate Lift Mechanism, Max Height         | inch [ mm ]                         | 33 [ 850 ]                                      |
|                              | Dual Barrier Coating on Heat Exchanger        |                                     | No                                              |
|                              | Dual Barrier Coating on Fan                   |                                     | No                                              |
|                              | External Finish Color                         |                                     | 1.0Y 9.2/0.2                                    |
|                              | Unit Dimensions (W x D x H)                   | inch x inch x inch [ mm x mm x mm ] | 22-7/16 x 22-7/16 x 9-21/32 [ 570 x 570 x 208 ] |
| IDU Operating Temp. Range    | Package Dimensions (W x D x H)                | inch x inch x inch [ mm x mm x mm ] | 28 x 24-13/32 x 9-29/64 [ 710 x 620 x 240 ]     |
|                              | Unit Weight                                   | lbs [ kg ]                          | 31 [ 14 ]                                       |
|                              | Package Weight                                | lbs [ kg ]                          | 36 [ 16.50 ]                                    |
|                              | Cooling Intake Air Temp [Maximum / Minimum]   | °FDB , °FWB / °FDB , °FWB           | 90 , 73 / 66 , 59                               |
| Outdoor Unit                 | Heating Intake Air Temp [Maximum / Minimum]   | °FDB                                | 83 / 50                                         |
|                              | MCA                                           | A                                   | 25                                              |
|                              | MOCP                                          | A                                   | 42                                              |
|                              | Fan Motor Output                              | W                                   | 50                                              |
|                              | Airflow Rate Cooling                          | CFM                                 | 2193                                            |

## Notes

<sup>1</sup>Cooling at 95°F (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

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

<sup>9</sup>Heating at -13°F (Indoor // Outdoor) °F 70 DB, 60 WB // -13 DB, -14 WB

<sup>\*</sup>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.

<sup>\*\*</sup>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 and automatically restarts at these temperatures.

# SPECIFICATIONS: SLZ-AF12NL & SUZ-AA12NLHZ

|                           |                                                            |                                     |                                           |
|---------------------------|------------------------------------------------------------|-------------------------------------|-------------------------------------------|
| Outdoor Unit              | Airflow Rate Heating                                       | CFM                                 | 1949                                      |
|                           | Defrost Method                                             |                                     | Reverse Cycle                             |
|                           | Coating on Heat Exchanger (Bluefin, Sea Coast)             |                                     | Yes , Yes                                 |
|                           | Sound Pressure Level, Cooling <sup>1</sup>                 | dB (A)                              | 54                                        |
|                           | Sound Pressure Level, Heating <sup>2</sup>                 | dB (A)                              | 55                                        |
|                           | Compressor Type                                            |                                     | Twin Rotary                               |
|                           | Compressor Model                                           |                                     | SRB172FQHMT                               |
|                           | Compressor Oil [Type // Charge]                            | // oz                               | RM68EH // 14.5                            |
|                           | External Finish Color                                      |                                     | Munsell No.3Y 7.8/1.1                     |
|                           | Base Pan Heater                                            |                                     | Built-in                                  |
|                           | Unit Dimensions (W x D x H)                                | inch x inch x inch [ mm x mm x mm ] | 33-1/16 x 13 x 34-5/8 [ 840 x 330 x 880 ] |
|                           | Package Dimensions (W x D x H)                             | inch x inch x inch [ mm x mm x mm ] | 38-5/8 x 16-9/16 x 39 [ 980 x 420 x 990 ] |
|                           | Unit Weight                                                | lbs [ kg ]                          | 115 [ 52.16 ]                             |
|                           | Package Weight                                             | lbs [ kg ]                          | 133 [ 60.33 ]                             |
| ODU Operating Temp. Range | Cooling Intake Air Temp [Maximum / Minimum*]               | °FDB                                | 115 / 14                                  |
|                           | Cooling Thermal Lock-out / Re-start Temperatures**         | °FDB                                | -1 / 3                                    |
|                           | Heating Intake Air Temp [Maximum / Minimum]                | °FDB , °FWB / °FDB , °FWB           | 75 , 56 / -13 , -14                       |
|                           | Heating Thermal Lock-out / Re-start Temperatures**         | °FDB                                | -22.5 / -14                               |
| Refrigerant               | Type                                                       |                                     | R454B                                     |
|                           | Pre-Charged Refrigerant Amount                             | lbs                                 | 3                                         |
|                           | Maximum Pre-Charged Piping Length                          | ft [ m ]                            | 25 [ 7.60 ]                               |
|                           | Additional Refrigerant Charge Per Additional Piping Length | oz/ft                               | 0.22                                      |
| Piping                    | Liquid Pipe Size O.D. [Flared]                             | inch [ mm ]                         | 1/4 [ 6.35 ]                              |
|                           | Gas Pipe Size O.D. [Flared]                                | inch [ mm ]                         | 3/8 [ 9.52 ]                              |
|                           | Maximum Piping Length                                      | ft [ m ]                            | 100 [ 30 ]                                |
|                           | Maximum Height Difference                                  | ft [ m ]                            | 50 [ 15 ]                                 |
|                           | Maximum Number of Bends                                    |                                     | 10                                        |

## Notes

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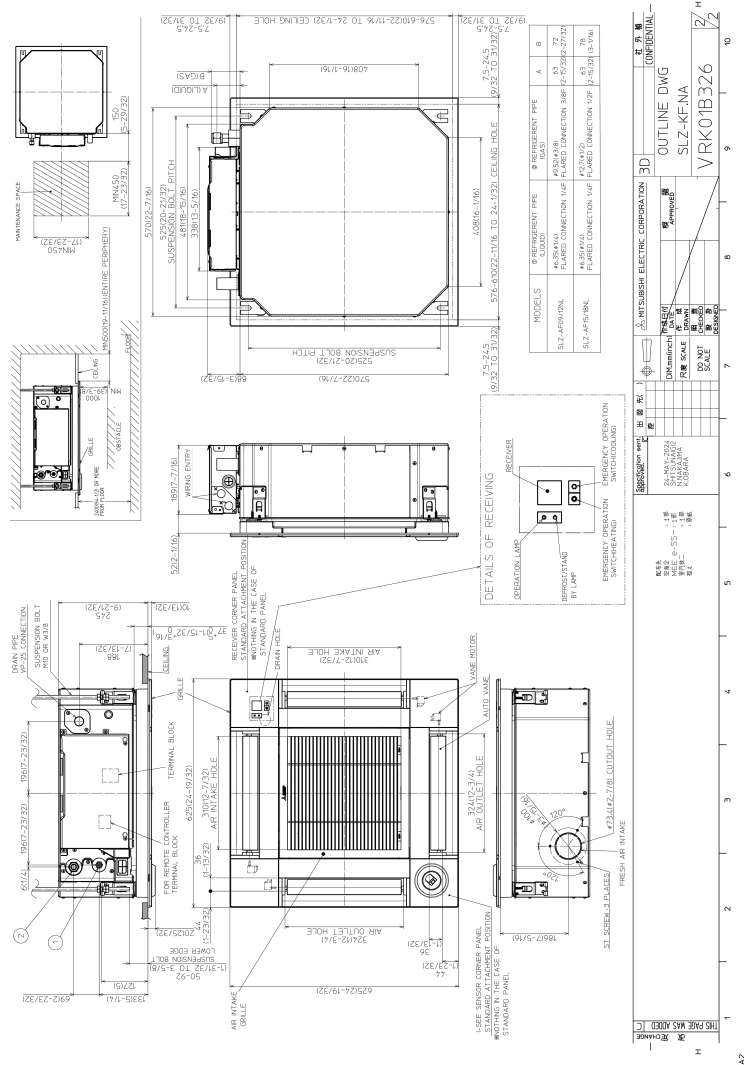
# INDOOR UNIT ACCESSORIES: SLZ-AF12NL

|                                                                                                                                                                 |                                                                                                          |                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| Condensate                                                                                                                                                      | Refco Condensate Pump 100-240V up to 120k BTU/h                                                          | <input type="checkbox"/> COMBI                |
|                                                                                                                                                                 | Sauermann Condensate Pump 120-230V up to 60k BTU/h                                                       | <input type="checkbox"/> SI30-230             |
|                                                                                                                                                                 | Blue Diamond MaxiBlue Advanced Mini Condensate Pump w Reservoir Sensor 110V up to 48000 BTUH recommended | <input type="checkbox"/> X87-711              |
|                                                                                                                                                                 | Blue Diamond MicroBlue Mini Condensate Pump 110208230V up to 18000 BTUH                                  | <input type="checkbox"/> X86-003              |
|                                                                                                                                                                 | Blue Diamond MegaBlue Condensate Pump with Reservoir Sensor 115-230V up to 170k BTU/h                    | <input type="checkbox"/> X87-835              |
|                                                                                                                                                                 | Blue Diamond MaxiBlue Condensate Pump with Reservoir Sensor 115-230V up to 48k BTU/h                     | <input type="checkbox"/> X88-721              |
|                                                                                                                                                                 | Blue Diamond Sensor Extension Cable 15 Ft                                                                | <input type="checkbox"/> C13-103              |
| Control Interface                                                                                                                                               | Airzone Wireless Think Controller Black                                                                  | <input type="checkbox"/> AZZBSTHINKRN         |
|                                                                                                                                                                 | Operation and Error Status Output Adapter                                                                | <input type="checkbox"/> PAC-SF40RM-E         |
|                                                                                                                                                                 | Airzone Wired Blueface Controller Black                                                                  | <input type="checkbox"/> AZZBSBLUEZEROCN      |
|                                                                                                                                                                 | Wireless Interface 2 for Comfort app                                                                     | <input type="checkbox"/> PAC-USWHS002-WF-2    |
|                                                                                                                                                                 | Airzone Wireless Lite Controller White                                                                   | <input type="checkbox"/> AZZBSLITERB          |
|                                                                                                                                                                 | Airzone Wired Blueface Controller White                                                                  | <input type="checkbox"/> AZZBSBLUEZEROCB      |
|                                                                                                                                                                 | Airzone Wireless Think Controller White                                                                  | <input type="checkbox"/> AZZBSTHINKRB         |
|                                                                                                                                                                 | Procon BACnet® and Modbus® Interface                                                                     | <input type="checkbox"/> PAC-UKPRC001-CN-1    |
|                                                                                                                                                                 | kumo station® for Comfort app                                                                            | <input type="checkbox"/> PAC-WHS01HC-E        |
|                                                                                                                                                                 | Thermostat Interface for 3rd Party Thermostats                                                           | <input type="checkbox"/> PAC-US445CN-1        |
|                                                                                                                                                                 | Airzone Wireless Lite Controller Black                                                                   | <input type="checkbox"/> AZZBSLITERN          |
|                                                                                                                                                                 | IT Extender                                                                                              | <input type="checkbox"/> PAC-WHS01IE-E        |
| Disconnect Switch                                                                                                                                               | 30A600VUL fits 2 X 4 utility box - Black                                                                 | <input type="checkbox"/> TAZ-MS303            |
|                                                                                                                                                                 | 30A600VUL fits 2 X 4 utility box - White                                                                 | <input type="checkbox"/> TAZ-MS303W           |
| Grille                                                                                                                                                          | Grille (Decoration panel)                                                                                | <input checked="" type="checkbox"/> SLP-18FAU |
|                                                                                                                                                                 | Grille (3D i-see Sensor panel)                                                                           | <input type="checkbox"/> SLP-18FAEU           |
| Lineset                                                                                                                                                         | 50 x 1/4 x 50 3/8 Lineset Twin-Tube Insulation                                                           | <input type="checkbox"/> MLS143812T-50        |
|                                                                                                                                                                 | 65 x 1/4 x 65 3/8 Lineset Twin-Tube Insulation                                                           | <input type="checkbox"/> MLS143812T-65        |
|                                                                                                                                                                 | 15 x 1/4 x 15 3/8 Lineset Twin-Tube Insulation                                                           | <input type="checkbox"/> MLS143812T-15        |
|                                                                                                                                                                 | 30 x 1/4 x 30 3/8 Lineset Twin-Tube Insulation                                                           | <input type="checkbox"/> MLS143812T-30        |
| Remote Sensor                                                                                                                                                   | Flush Mount Remote Temperature Sensor for SEZ SLZ SVZ and all P-Series models                            | <input type="checkbox"/> PAC-USSEN002-FM-1    |
|                                                                                                                                                                 | Wall Mount Remote Temperature Sensor                                                                     | <input type="checkbox"/> PAC-SE41TS-E         |
|                                                                                                                                                                 | Wireless temperature and humidity sensor for Comfort app                                                 | <input type="checkbox"/> PAC-USWHS003-TH-1    |
| Terminal Signal Adapter                                                                                                                                         | Connector and wire for On/Off and Error status using CN51 and CN52                                       | <input type="checkbox"/> PAC-725AD            |
|                                                                                                                                                                 | Backup Heat Relay Kit                                                                                    | <input type="checkbox"/> CN24RELAY-KIT-CM3    |
|                                                                                                                                                                 | Connector and wire for On/Off and Fan command using CN32                                                 | <input type="checkbox"/> PAC-715AD            |
| Wired Remote Controller                                                                                                                                         | Simple MA Remote Controller                                                                              | <input type="checkbox"/> PAC-YT53CRAU-J       |
|                                                                                                                                                                 | Touch MA Remote Controller                                                                               | <input type="checkbox"/> PAR-CT01MAU-SB       |
|                                                                                                                                                                 | Simple Direct Wired Remote Controller                                                                    | <input type="checkbox"/> PAC-SDW01RC-1        |
|                                                                                                                                                                 | Deluxe Wired MA Remote Controller                                                                        | <input type="checkbox"/> PAR-42MAAUB          |
| Wireless Remote Controller                                                                                                                                      | Wireless Remote Controller                                                                               | <input type="checkbox"/> PAR-SL101A-E         |
|                                                                                                                                                                 | Wireless signal receiver (corner panel) (for PAR-SL101A-E / PAR-FL32MA)                                  | <input type="checkbox"/> PAR-SR4LU-E          |
|                                                                                                                                                                 | Lockdown Bracket for Wireless Handheld Remote Controllers                                                | <input type="checkbox"/> RCMKP1CB             |
|                                                                                                                                                                 | Wireless Signal Receiver for PAR-SL101A-E on SLZ-AF and PLFY-NFMU models                                 | <input type="checkbox"/> PAR-SF9FA-E          |
|                                                                                                                                                                 | Wireless RedLINK™ Remote Controller                                                                      | <input type="checkbox"/> MHK2                 |
|                                                                                                                                                                 | Universal Wireless Receiver for PAR-FL32MA-E                                                             | <input type="checkbox"/> PAR-FA32MA-W         |
|                                                                                                                                                                 | Wireless MA Handheld Remote Controller (requires PAR-FA32MA-E)                                           | <input type="checkbox"/> PAR-FL32MA-E         |
| <b>Notes</b><br><br><sup>1</sup> Unable to use with Wireless Handheld Remote Controller<br><sup>1</sup> Requires MAC-334IF-E Interface to connect MA controller |                                                                                                          |                                               |

## OUTDOOR UNIT ACCESSORIES: SUZ-AA12NLHZ

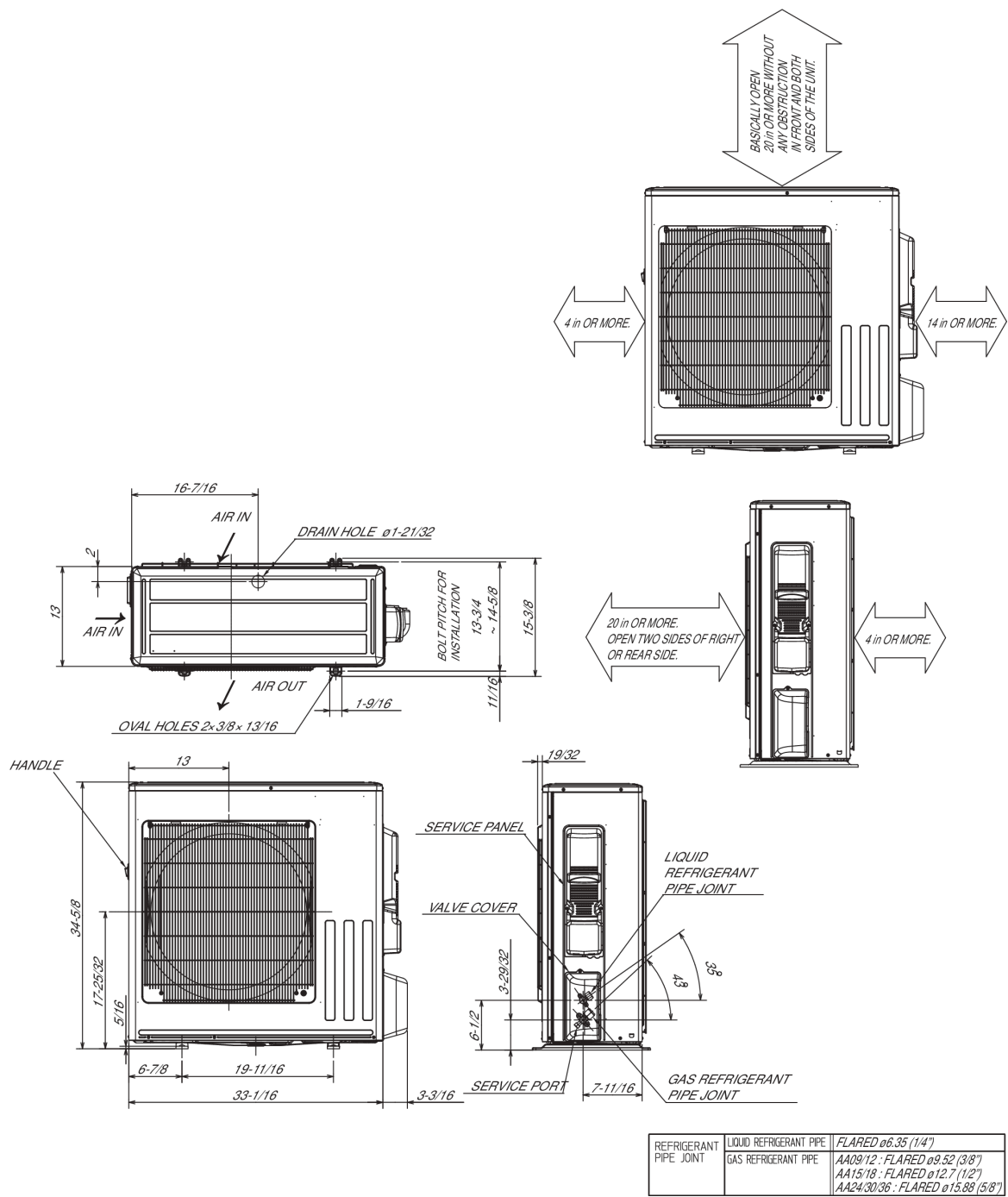
|                      |                                                     |                          |                |
|----------------------|-----------------------------------------------------|--------------------------|----------------|
| Air Outlet Guide     | Air Outlet Guide                                    | <input type="checkbox"/> | MAC-890SG-E    |
| Control/Service Tool | Maintenance Tool Interface                          | <input type="checkbox"/> | PAC-USCMS-MN-1 |
|                      | M- & P-Series Maintenance Tool Cable Set            | <input type="checkbox"/> | M21EC0397      |
| Drain Socket         | Drain Socket                                        | <input type="checkbox"/> | MAC-871DS      |
| Hail Guards          | Hail Guard                                          | <input type="checkbox"/> | HG-A7          |
| Mini-Split Wire      | 14 Gauge 4 wire MiniSplit Cable50 ft roll           | <input type="checkbox"/> | S144-50        |
|                      | 14 Gauge 4 wire MiniSplit Cable250 ft roll          | <input type="checkbox"/> | S144-250       |
|                      | 14 Gauge 4 wire Armored MiniSplit Cable250 ft roll  | <input type="checkbox"/> | SW144-250      |
|                      | 14 Gauge 4 wire Armored MiniSplit Cable50 ft roll   | <input type="checkbox"/> | SW144-50       |
| Mounting Pad         | Condensing Unit Mounting Pad 16 x 36 x 3            | <input type="checkbox"/> | ULTRILITE1     |
| Muffler              | Muffler                                             | <input type="checkbox"/> | MAC-001MF-E    |
| Port Adaptor         | Adaptor 1/2 x 3/8                                   | <input type="checkbox"/> | PAC-SK88RJ-E   |
| Snow/Rain Diverter   | SnowRain Diverter                                   | <input type="checkbox"/> | SRD-3          |
| Stand                | Condenser Wall Bracket - Stainless Steel Finish     | <input type="checkbox"/> | QSWBSS         |
|                      | Outdoor Unit Stand 12 High                          | <input type="checkbox"/> | QSMS1201M      |
|                      | 24 Single Fan Stand                                 | <input type="checkbox"/> | QSMS2401M      |
|                      | Outdoor Unit 3-14 inch Mounting Base Pair - Plastic | <input type="checkbox"/> | DSD-400P       |
|                      | Condenser Wall Bracket                              | <input type="checkbox"/> | QSWB2000M-1    |
|                      | 18 Single Fan Stand                                 | <input type="checkbox"/> | QSMS1801M      |
| <b>Notes</b>         |                                                     |                          |                |

A — B — C — D — E — F — G



OUTDOOR UNIT DIMENSIONS: SUZ-AA12NLHZ

REQUIRED SPACE



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

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