

SUBMITTAL DATA: SLZ-KA15NAR1-TH & SUZ-KA15NA-TH-H 15,000 BTU/H CEILING-CASSETTE HEAT-PUMP

| | | |
|---------------------|--|-------|
| Job Name: | Location: | Date: |
| Purchaser: | Engineer: | |
| Submitted to: | For <input type="checkbox"/> Reference <input type="checkbox"/> Approval <input type="checkbox"/> Construction | |
| System Designation: | Schedule No.: | |

GENERAL FEATURES

- Four-way 2'x2' ceiling-cassette indoor unit for residential applications
- Built-in drain mechanism for condensate removal; lifts to 19-11/16"
- Wide air-flow pattern for better air distribution
- Design features ventilation air intake knockout
- Long-life air filter included with indoor unit
- Indoor unit powered from outdoor unit using A-Control
- Automatic fan speed control; auto restart following a power outage
- Limited warranty: five years on parts/defects, seven years on compressors
- Drain Pan Heater (MAC-640BH-U)

OPTIONAL ACCESSORIES

- Indoor Unit**
- Grille (SLP-15AAUW; required - shipped with unit)

Controller Options

- MHK1* -Wireless Wall-mounted Remote Controller Kit
- MCCH1* -Portable Central Controller
- MOS1* -Outdoor Air Temperature and Humidity Sensor
- PAR-31MAA* - Wired Wall-mounted Controller
- PAC-YT53CRAU* Simple MA Remote Controller
- MAC-333IF* System Control Interface
- PROCON* IO Interface

*See Submittal for information on each option

PAC-SE56RA-E* is 2 meters (6-1/2 ft)-auxiliary heat control

Cooling*

| | |
|---|----------------------|
| Rated Capacity | 15,000 Btu/h |
| Minimum to Maximum Capacity Range | 3,100 - 22,200 Btu/h |
| SEER | 16.0 |
| EER | 10.2 |
| Total Input | 1,460 W |

Heating at 47°F*

| | |
|---|----------------------|
| Rated Capacity | 18,000 Btu/h |
| Minimum to Maximum Capacity Range | 3,100 - 17,100 Btu/h |
| HSPF | 9.6 Btu/h/W |
| COP | 2.71 |
| Total Input | 1,950 W |

Heating at 17°F*

| | |
|-------------------------------|--------------|
| Rated Capacity | 10,200 Btu/h |
| Rated Total Input | 1,310 W |
| COP | 2.39 |
| Maximum Capacity | 12,000 Btu/h |
| Maximum Total Input | 1,470 W |

* Rating Conditions (Cooling) - Indoor: 80°F (27°C) DB, 67°F (19°C) WB; Outdoor: 95°F (35°C) DB, 75°F (24°C) WB.
 (Heating at 47°F) - Indoor: 70°F (21°C) DB, 60°F (16°C) WB; Outdoor: 47°F (8°C) DB, 43°F (6°C) WB.
 (Heating at 17°F) - Indoor: 70°F (21°C) DB, 60°F (16°C) WB; Outdoor: 17°F (-8°C) DB, 15°F (-9°C) WB.

Electrical Requirements

Power Supply 208 / 230V, 1-Phase, 60 Hz
 Recommended Fuse/Breaker Size 15 A

Voltage

Indoor - Outdoor S1-S2 AC 208 / 230V
 Indoor - Outdoor S2-S3 DC 12-24V

OPERATING CONDITIONS

| | | Indoor Intake Air Temp. | Outdoor Intake Air Temp. |
|---------|---------|--------------------------------|----------------------------------|
| Cooling | Maximum | 95°F (35°C) DB, 71°F (22°C) WB | 115°F (46°C) DB |
| | Minimum | 67°F (19°C) DB, 57°F (14°C) WB | 14°F (-10°C) DB |
| Heating | Maximum | 80°F (27°C) DB, 67°F (19°C) WB | 75°F (24°C) DB, 65°F (18°C) WB |
| | Minimum | 70°F (21°C) DB, 60°F (16°C) WB | -4°F (-20°C) DB, -5°F (-21°C) WB |



Indoor Unit: SLZ-KA15NAR1-TH



Outdoor Unit: SUZ-KA15NA-TH-H

Indoor Unit

| | |
|--|--|
| MCA | 1 A |
| Fan Motor Output | 20 W |
| Fan Motor | 0.28 F.L.A. |
| Airflow (Lo - Med - Hi) | 280 - 320 - 390 Dry CFM 250 - 290 - 350 Wet CFM |
| Air Filter | Polypropylene Honeycomb |
| Sound Pressure Level (Lo - Med - Hi) | 31 - 35 - 40 dB(A) |

| DIMENSIONS | UNIT INCHES / MM | GRILLE INCHES / MM |
|------------|------------------|--------------------|
| W | 22-7/16 / 570 | 25-5/8 / 650 |
| D | 22-7/16 / 570 | 25-5/8 / 650 |
| H | 8-3/16 / 208 | 13/16 / 19 |

Weight (Unit/Grille)

| | |
|---|---|
| Lbs. | 36 / 7 |
| kg. | 16 / 3 |
| External Finish (Unit/Grille) | Galvanized-steel Sheets / Munsell 6.4Y 8.9 / 0.4 |
| Field Drainpipe Size O.D. | 1-1/4" / 32 mm |

Outdoor Unit

| | |
|----------------------|--------------------------------|
| Compressor | DC Inverter-driven Twin Rotary |
| MCA | 12 A |
| MOCP | 15 A |
| Fan Motor | 0.50 F.L.A. |
| Sound Pressure Level | |
| Cooling | 49 dB(A) |
| Heating | 51 dB(A) |

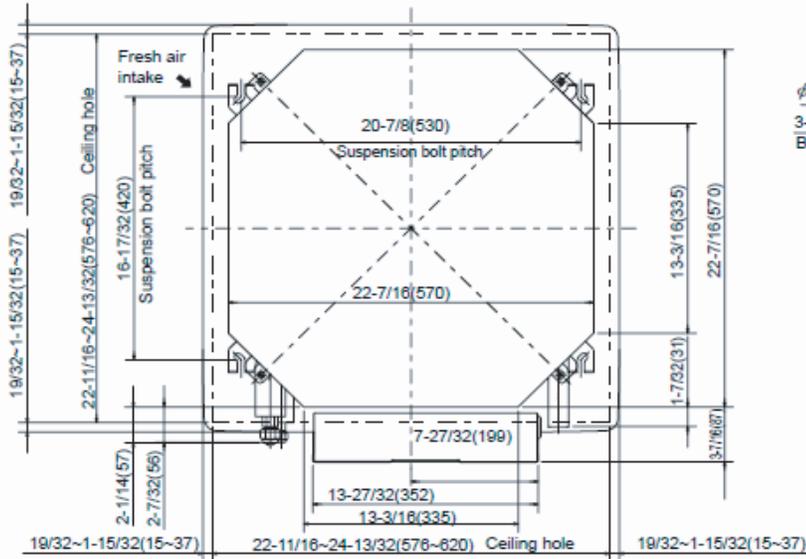
| DIMENSIONS | INCHES / MM |
|------------|--------------|
| W | 31-1/2 / 800 |
| D | 11-1/4 / 285 |
| H | 21-5/8 / 550 |

| | |
|---|--------------------------|
| Weight | 80 lbs. / 36 kg |
| External Finish | Munsell No. 3Y 7.8 / 1.1 |
| Refrigerant Type | R410A |
| Refrigerant Pipe Size O.D. | |
| Gas Side | 1/2" / 12.7 mm |
| Liquid Side | 1/4" / 6.35 mm |
| Max. Refrigerant Pipe Length | 65' / 19 m |
| Max. Refrigerant Pipe Height Difference | 40' / 12 m |
| Connection Method | Flared |

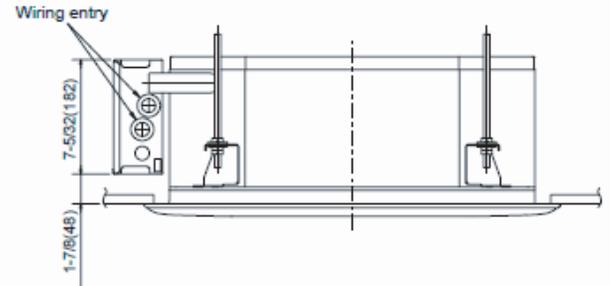
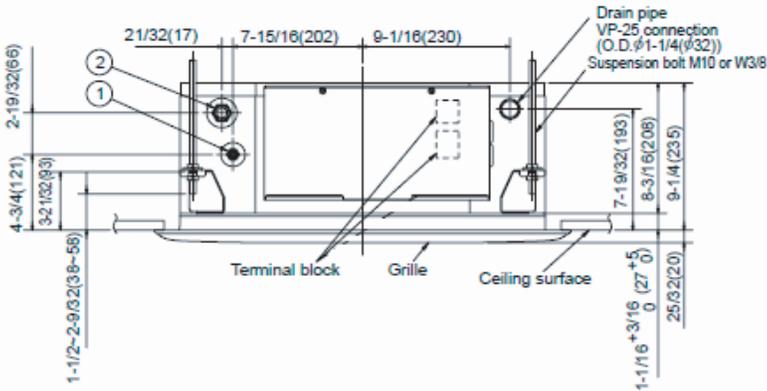
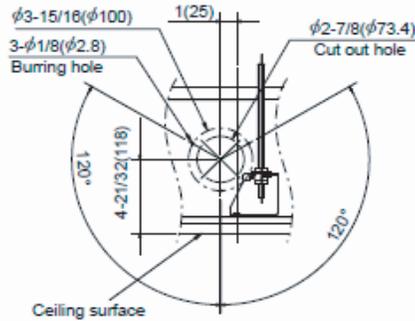


DIMENSIONS: SLZ-KA15NAR1-TH

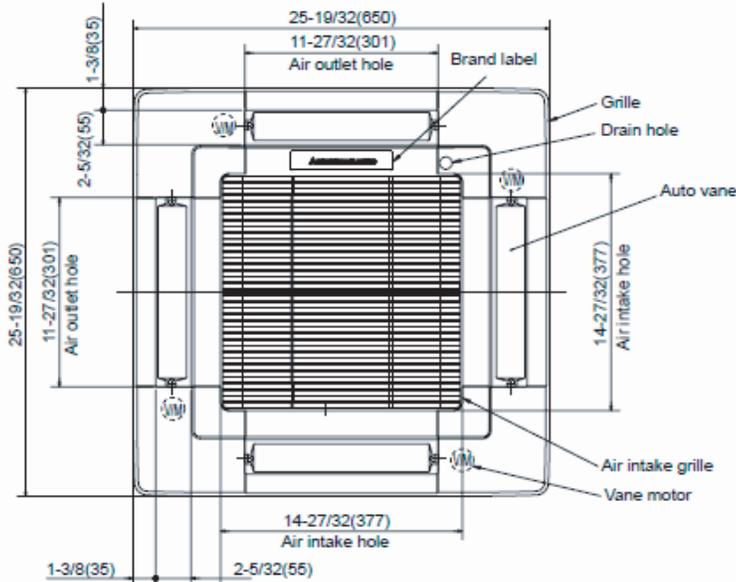
Unit : inch (mm)



Detail drawing of fresh air intake



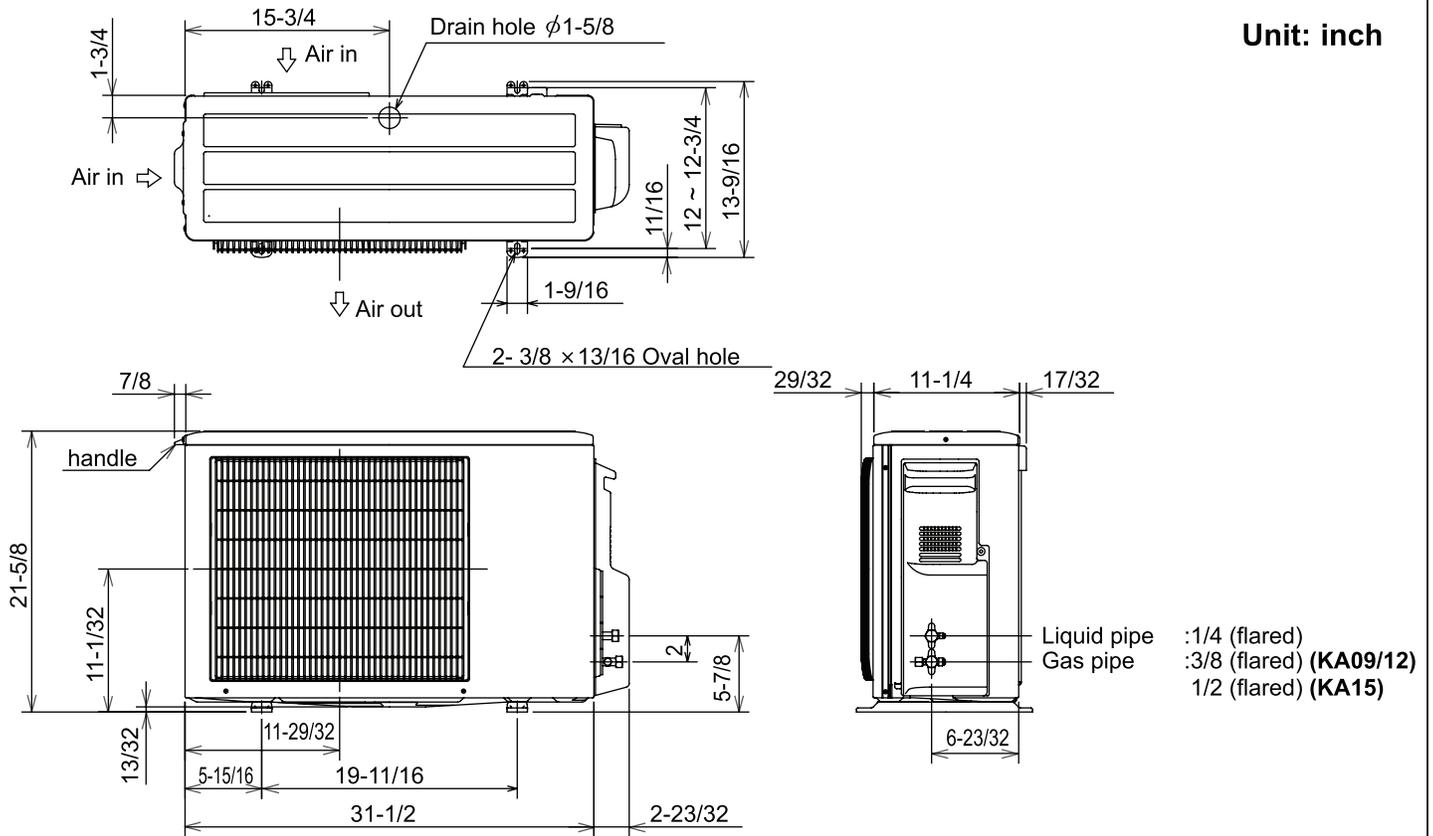
Suspension bolt lower edge



| Models | Refrigerant pipe | |
|------------|--|--|
| | ① | ② |
| SLZ-KA09NA | 1/4inch flared connection $\phi 6.35$ mm | 3/8inch flared connection $\phi 9.52$ mm |
| SLZ-KA12NA | 1/4inch flared connection $\phi 6.35$ mm | 3/8inch flared connection $\phi 9.52$ mm |
| SLZ-KA15NA | 1/4inch flared connection $\phi 6.35$ mm | 1/2inch flared connection $\phi 12.7$ mm |

DIMENSIONS: SUZ-KA15NA-TH-H

Unit: inch



REQUIRED SPACE

