

## SEZ-KD18NA4R1 & SUZ-KA18NAHZ

18,000 Btu/h Horizontal Ducted Heat Pump

|                     |                    |          |
|---------------------|--------------------|----------|
| Job Name:           | Location:          | Date:    |
| Purchaser:          | Submitted by:      |          |
| Submitted to:       | Reference          | Approval |
| System Designation: | Schedule Number #: |          |
| Engineer:           |                    |          |



|                   |      |      |
|-------------------|------|------|
| Energy Efficiency | SEER | 19.1 |
|                   | EER  | 13.1 |
|                   | HSPF | 10.9 |

### Accessories:

- Windscreens (ME-FR-24)
- External Fan/Heater Control Adapter (PAC-YU25HT-G)
- Cable Connector of Remote Sensor (PAC-SA88HA-EP)\*
- \*Allows control of several units with multiple remote control display

### Optional Controls:

- Wireless Controller (MHK1)
- Wired Remote Controller (PAR-40MAA)
- Simple MA Remote Controller (PAC-YT53CRAU-J)
- System Control Interface (MAC-334IF-E)
- Wireless Remote (PAR-FL32MA-E) (Requires PAR-FA32MA-E)
- Remote Temperature Sensor (PAC-SE41TS-E)

|             |                                  |                         |                     |
|-------------|----------------------------------|-------------------------|---------------------|
| Indoor unit | MCA (*)                          | A                       | 1                   |
|             | Fan Motor                        | F.L.A                   | 0.74                |
|             | Fan Motor Output                 | W                       | 96                  |
|             | Air flow (Lo-Mid-Hi)             | DRY(CFM)                | 423-529-635         |
|             |                                  | WET(CFM)                | 381-476-572         |
|             | External Static Pressure         | in WG                   | 0.02-0.06-0.14-0.20 |
|             | Sound Pressure Level (Lo-Mid-Hi) | dB (A)                  | 30-34-38            |
|             | External Finish Color            | Galvanized-Steel Sheets |                     |
|             | Dimensions                       | W: in                   | 46-7/8              |
|             |                                  | D: in                   | 27-9/16             |
|             |                                  | H: in                   | 7-7/8               |
|             | Weight Unit                      | lbs                     | 62                  |
|             | Field Drainpipe O.D.             | in                      | O.D. 1-1/4          |
|             | Refrigerant pipe Gas             | in                      | 1/2                 |
|             | Refrigerant pipe Liquid          | in                      | 1/4                 |
|             | Moisture Removal                 | Pints/h                 | 2                   |
|             | Sensible Heat Factor             |                         | 0.87                |

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|                     |                            |                        |                                |
|---------------------|----------------------------|------------------------|--------------------------------|
| Outdoor unit        | MCA (*)                    | A                      | 17                             |
|                     | MOCP (*) (Breaker)         | A                      | 31 (20)                        |
|                     | Fan Motor                  | F.L.A.                 | 1                              |
|                     | Compressor                 | Model(Type)            | DC INVERTER-Driven Twin Rotary |
|                     |                            | R.L.A.                 | 13                             |
|                     |                            | L.R.A.                 | 16                             |
|                     | Air flow (Cooling/Heating) | CFM                    | (2,020/1,930)                  |
|                     | Refrigerant Control        | Linear Expansion Valve |                                |
|                     | Defrost Method             | Reverse Cycle          |                                |
|                     | SPL (Cooling)              | dB (A)                 | 55                             |
|                     | SPL (Heating)              | dB (A)                 | 55                             |
|                     | External Finish Color      | Munsell No.3Y 7.8/1.1  |                                |
|                     | Dimension                  | W: in                  | 33-1/16                        |
|                     |                            | D: in                  | 13                             |
| H: in               |                            | 34-5/8                 |                                |
| Weight              | lbs                        | 131                    |                                |
| Remote Controller   | Type                       |                        | Wired Remote Controller        |
| Refrigerant         | Type                       |                        | R410A                          |
|                     | Charge                     | lbs, oz                | 3,12                           |
|                     | Oil                        | Type(Fl.oz.)           | FV50S(23.7)                    |
| Refrigerant Pipe    | Gas side O.D.              | in                     | 1/2                            |
|                     | Liquid side O.D.           | in                     | 1/4                            |
|                     | Height Difference (Max)    | ft                     | 50                             |
|                     | Length (Max.)              | ft                     | 100                            |
| Connection Method   | Indoor/Outdoor             |                        |                                |
| Operation Guarantee | Cooling                    | °F                     | 14 - 115                       |
|                     | Heating                    | °F                     | - 13 - 75                      |

|              |                            |                         |
|--------------|----------------------------|-------------------------|
| Power supply | Voltage, Phase, Cycle      | 1-phase, 60Hz, 208/230V |
| Voltage      | Indoor - Outdoor S1-S2     | AC 208/230V             |
|              | Indoor - Outdoor S2-S3     | DC12-24V                |
|              | Indoor - Remote controller | DC12V                   |

|         |       | MAX (Btu) | MAX RATED INPUT (W) | RATED (Btu) | RATED TOTAL INPUT (W) | COP  |
|---------|-------|-----------|---------------------|-------------|-----------------------|------|
| Heating | 47°F  | 29,860    | 3,310               | 22,896      | 1,886                 | 2.64 |
|         | 17°F  | 22,540    | 2,616               | 14,148      | 1,490                 | 2.52 |
|         | 5°F   | 22,540    | 2,036               | 9,288       | 1,160                 | 2.35 |
|         | -4°F  | 16,116    | 1,554               | 5,557       | 885                   | 1.84 |
|         | -13°F | 9,692     | 1,033               | 1,377       | 588                   | 0.69 |
| Cooling | 80°F  | 20,017    | 1,207               | 20,017      | 1,207                 | 4.86 |

\* COP at MAX capacity

NOTES : \*1.Rating conditions (cooling)-Indoor : D.B. 26.7°C (80°F), W.B. 19.4°C (67°F) Outdoor : D.B. 35°C (95°F), W.B. 23.9°C (75°F)  
(heating)-Indoor : D.B. 21.1°C (70°F), W.B. 15.6°C (60°F) Outdoor : D.B. 8.3°C (47°F), W.B. 6.1°C (43°F)  
\*2.Rating conditions(heating)-Indoor : D.B. 21.1°C (70°F), W.B. 15.6°C (60°F) Outdoor : D.B. -8.3°C (17°F), W.B. -9.4°C (15°F)

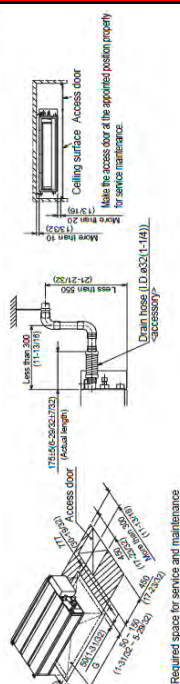
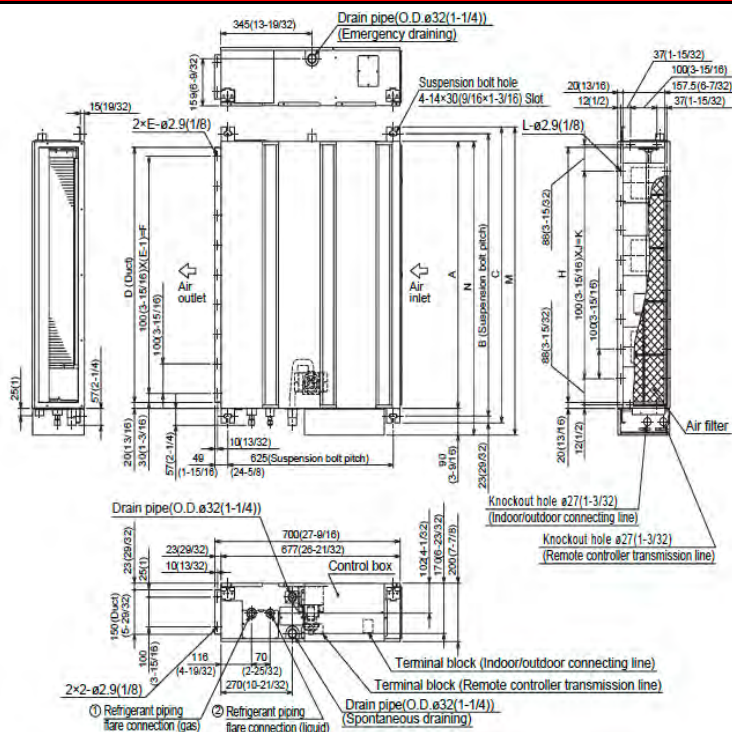
| Operation range |         | Indoor intake air temperature          |  | Outdoor intake air temperature         |  |
|-----------------|---------|----------------------------------------|--|----------------------------------------|--|
| Cooling         | Maximum | D.B. 35°C (95°F), W.B. 21.7°C (71°F)   |  | D.B. 46°C (115°F)                      |  |
|                 | Minimum | D.B. 19.4°C (67°F), W.B. 13.9°C (57°F) |  | D.B. -10°C (14°F)                      |  |
| Heating         | Maximum | D.B. 26.7°C (80°F), W.B. 19.4°C (67°F) |  | D.B. 24°C (75°F), W.B. 18°C (65°F)     |  |
|                 | Minimum | D.B. 21.1°C (70°F), W.B. 15.6°C (60°F) |  | D.B. -25°C (-13°F), W.B. -26°C (-14°F) |  |

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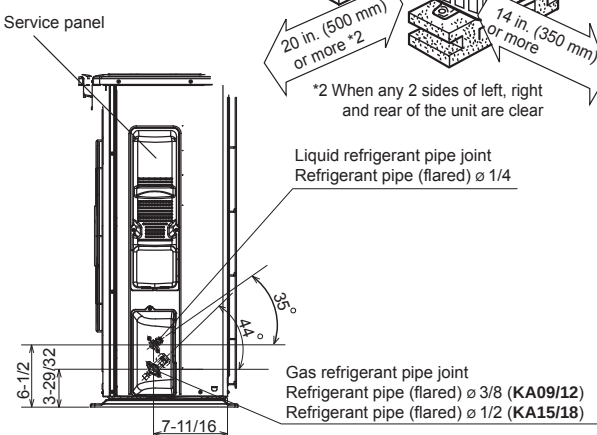
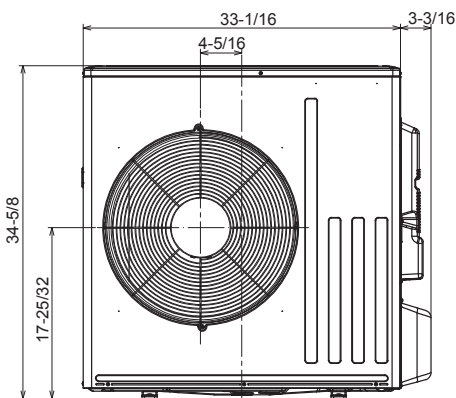
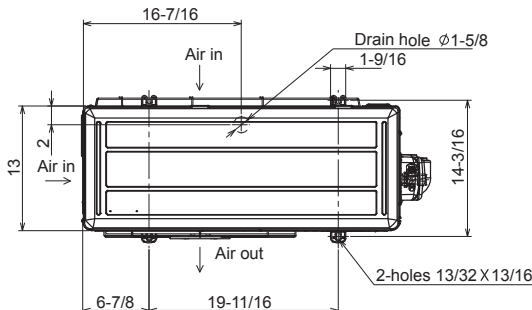


| mm (in.)      | A   | B   | C   | D   | E   | F   | G    | H    | J    | K    | L    | M    | N    |
|---------------|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|
| ① Gas pipe    | 700 | 752 | 796 | 850 | 900 | 950 | 1000 | 1050 | 1100 | 1150 | 1200 | 1250 | 1300 |
| ② Liquid pipe | 700 | 752 | 796 | 850 | 900 | 950 | 1000 | 1050 | 1100 | 1150 | 1200 | 1250 | 1300 |
| ø6.35(1/4)    |     |     |     |     |     |     |      |      |      |      |      |      |      |
| ø12.7(1/2)    |     |     |     |     |     |     |      |      |      |      |      |      |      |

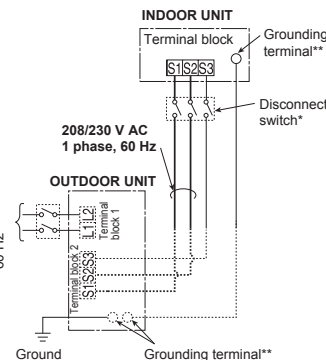
Note 1. Use M10 screw for the suspension bolt (field supply).  
 2. Keep the service space for the maintenance at the bottom.  
 3. This chart indicates for size 15 kBTU/h model, which has 3 fans.  
 Sizes 09 kBTU/h model has 2 fans.  
 Sizes 08 kBTU/h model has 4 fans.  
 4. When an inlet duct is used, remove the air filter (supply with the unit), then install the filter (field supply) at suction side.

## REQUIRED SPACE

\*1 20 in. (500 mm) or more when front and sides of the unit are clear



Power supply  
208/230VAC,  
1 phase 2 wires,  
60 Hz



## Remark:

- \* A disconnect switch is required. Check the local code.
- \*\* Use a ring tongue terminal in order to connect a ground wire to terminal.



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