Indoor Unit
SEZ-KD09NA(4)
SEZ-KD12NA(4)
SEZ-KD15NA(4)
SEZ-KD18NA(4)

Wired remote controller
Once the controls are set, the same operation mode can be repeated by simply pressing the ON/OFF button.

- Operation buttons
● Display

For purposes of this explanation, all parts of the display are shown as lit. During actual operation, only the relevant items will be lit.

Day-of-Week
Shows the current day of the week.

Time/Timer Display
Shows the current time (The 12 hour clock or The 24 hour clock), unless the simple or Auto Off timer is set. If the simple or Auto Off timer is set, shows the time remaining.

Up/Down Air Direction indicator
The indicator shows the direction of the outcoming airflow.

“One Hour Only” indicator
Displayed if the airflow is set to Low and downward during COOL or DRY mode. (Operation varies according to model.) The indicator goes off after one hour, at which time the airflow direction also changes.

Room Temperature display
Shows the room temperature.

Louver display
Indicates the action of the swing louver. Does not appear if the louver is stationary.

Fan Speed indicator
Shows the selected fan speed.

”Sensor” indication
Displayed when the remote controller sensor is used.

“Lock” indicator
Indicates that remote controller buttons have been locked.

“Clean The Filter” indicator
Comes on when it is time to clean the filter.

Timer indicators
The indicator comes on if the corresponding timer is set.

Ventilation indicator
Appears when the unit is running in Ventilation mode.

(Power On indicator)
Indicates that the power is on.

Caution
● Only the Power on indicator lights when the unit is stopped and power supplied to the unit.
● If you press a button for a feature that is not installed in the indoor unit, the remote controller will display the “Not Available” message.
● If you are using the remote controller to operate multiple indoor units, this message will appear only if the feature is not present at the parent unit.
● When power is turned ON for the first time, it is normal that “PLEASE WAIT” is displayed on the room temperature indication (For max. 2minutes). Please wait until this “PLEASE WAIT” indication disappears then start the operation.
### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model Name</th>
<th>SEZ-KD09NA(4)</th>
<th>SEZ-KD12NA(4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Cooling</td>
<td>Heating</td>
</tr>
<tr>
<td></td>
<td>BTU/h</td>
<td>kW</td>
</tr>
<tr>
<td>Power source</td>
<td>208/230V (60Hz)</td>
<td>0.06</td>
</tr>
<tr>
<td>Power input</td>
<td>208/230V (60Hz)</td>
<td>0.07</td>
</tr>
<tr>
<td>Current</td>
<td>0.31</td>
<td>0.38</td>
</tr>
<tr>
<td>Temperature set range</td>
<td>67 to 86 (19 to 30)</td>
<td>Remote controller</td>
</tr>
</tbody>
</table>

**Airflow direction**

<table>
<thead>
<tr>
<th>Fan</th>
<th>Sinoco fan x 2</th>
<th>Sinoco fan x 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type x Quantity</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Motor type</td>
<td>DC brushless motor</td>
<td>DC brushless motor</td>
</tr>
<tr>
<td>Motor output</td>
<td>0.096</td>
<td>0.096</td>
</tr>
<tr>
<td>Driving mechanism</td>
<td>Direct-driven</td>
<td>Direct-driven</td>
</tr>
<tr>
<td>Airflow rate (Low-Mid-High)</td>
<td>5.5-7.0-9.5</td>
<td>7.0-9.0-11.0</td>
</tr>
<tr>
<td>Airflow rate (Low-Mid-High)</td>
<td>CFM</td>
<td>247-317-388</td>
</tr>
<tr>
<td>Airflow rate (Low-Mid-High)</td>
<td>L/S</td>
<td>116-150-183</td>
</tr>
</tbody>
</table>

**External finish**

- Galvanized
- Galvanized

**External dimension**

- mm: 200 x 790 x 700
- In.: 7-7/8 x 31-1/8 x 27-9/16

**Net weight**

- kg: 18
- kg: 21

**Wiring**

- Min. size of wire: 1/8 (1.6)
- Min. size of wire: 1/8 (1.6)

**Drain piping diameter**

- Ø1/4 (Ø6.35) Flare
- Ø3/8 (Ø9.52) Flare

**Sound level (Low-Mid-High) (measured in anechoic room)**

- dB<A>: 23-26-30
- dB<A>: 23-28-33

**Insulation material**

- Polystyrene foam, Polyethylene foam, Urethane foam
- Polystyrene foam, Polyethylene foam, Urethane foam

**Air filter**

- PP Honeycomb fabric (washable)
- PP Honeycomb fabric (washable)

**Refrigerant control device**

- ERZV10D471
- ERZV10D471

**Protection devices**

- Fuse (250V 6.3A)
- Fuse (250V 6.3A)

**Heat exchanger**

- Cross fin (Aluminum fin and copper tube)
- Cross fin (Aluminum fin and copper tube)

**Varistor**

- To outdoor unit: 3P To wired remote controller: 2P
- To outdoor unit: 3P To wired remote controller: 2P

**Power outlet**

- A: 10
- A: 10

**Standard attachment**

- Accessory: Drain hose (flexible joint), <Wired Remote Controller>
- Accessory: Drain hose (flexible joint), <Wired Remote Controller>

**Remark**

1. Cooling/Heating capacity indicates the maximum value at operation under the following condition.

2. Power consumption. Run current at 0.06 (in.WG) (15Pa) (external static pressure)

3. Cooling capacity value at 1:1 system
   - Heating capacity value at 1:1 system

4. < > SEZ-KD-NA only

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**Note**

- 1. Cooling/Heating capacity indicates the maximum value at operation under the following condition.
- 2. Power consumption. Run current at 0.06 (in.WG) (15Pa) (external static pressure)
- 3. Cooling capacity value at 1:1 system
- 4. Heating capacity value at 1:1 system


Pipe length: 24-9/16 ft (7.5m) Height difference: 0 ft (0m)
### Model Name

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<th>Model Name</th>
<th>SEZ-KD15NA(4)</th>
<th>SEZ-KD18NA(4)</th>
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</table>

### Capacity

<table>
<thead>
<tr>
<th>Power source</th>
<th>Cooling</th>
<th>Heating</th>
<th>Cooling</th>
<th>Heating</th>
</tr>
</thead>
<tbody>
<tr>
<td>kW</td>
<td>0.09</td>
<td>0.07</td>
<td>0.09</td>
<td>0.07</td>
</tr>
<tr>
<td>Temperature set range Remote controller</td>
<td>67 to 86 (19 to 30)</td>
<td>63 to 83 (17 to 28)</td>
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### Heating capacity value at 1:1 system

| kW | 0.09 | 0.07 | 0.09 | 0.07 |
| Temperature set range Remote controller | 67 to 86 (19 to 30) | 63 to 83 (17 to 28) | 67 to 86 (19 to 30) | 63 to 83 (17 to 28) |

### Airflow direction

<table>
<thead>
<tr>
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<th>Cooling</th>
<th>Heating</th>
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### Refrigerant piping diameter

<table>
<thead>
<tr>
<th>Liquid</th>
<th>R410A</th>
<th>in.(mm)</th>
<th>Ø1/4 (ø6.35) Flare</th>
<th>Ø1/4 (ø6.35) Flare</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas</td>
<td>R410A</td>
<td>in.(mm)</td>
<td>Ø1/2 (ø12.7) Flare</td>
<td>Ø1/2 (ø12.7) Flare</td>
</tr>
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</table>

### Refrigeration Control device

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<tbody>
<tr>
<td>Heat exchanger</td>
<td>Cross fin (Aluminum fin and copper tube)</td>
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</tr>
<tr>
<td>Varistor</td>
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<td>ERZV10D471</td>
</tr>
<tr>
<td>Terminal block</td>
<td>To outdoor unit : 3P  To wired remote controller : 2P</td>
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</tr>
<tr>
<td>Power outlet</td>
<td>A</td>
<td>20</td>
</tr>
</tbody>
</table>

### Standard attachment

<table>
<thead>
<tr>
<th>Accessory</th>
<th>SEZ-KD15NA(4)</th>
<th>SEZ-KD18NA(4)</th>
</tr>
</thead>
</table>

### Note

1. Cooling/Heating capacity indicates the maximum value at operation under the following conditions.
2. Refrigerant piping diameter of SEZ-KD15NA(4):
   - Liquid: Ø1/4 (ø6.35) Flare
   - Gas: Ø1/2 (ø12.7) Flare
3. Capacities of SEZ-KD15NA(4) and SEZ-KD18NA(4) are as follows:
4. < > SEZ-KD - NA only
NOTE: The sound level is measured in an anechoic room where echoes are few, when compressor stops. The sound may be bigger than displayed level under actual installation condition by surrounding echoes. The sound level can be higher by about 2 dB than the displayed level during cooling and heating operation.
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INDOOR FAN PERFORMANCE AND CORRECTED AIR FLOW

SEZ-KD09NA(4)
(External static pressure 0.02[in.WG](5Pa)) 208/230V 60Hz

SEZ-KD09NA(4)
(External static pressure 0.06[in.WG](15Pa)) 208/230V 60Hz

SEZ-KD09NA(4)
(External static pressure 0.14[in.WG](35Pa)) 208/230V 60Hz

SEZ-KD09NA(4)
(External static pressure 0.20[in.WG](50Pa)) 208/230V 60Hz
## OUTLINES AND DIMENSIONS

**SEZ-KD09NA(4)**
**SEZ-KD12NA(4)**
**SEZ-KD15NA(4)**
**SEZ-KD18NA(4)**

Unit: mm (in.)

**Drain pipe (O.D. ø32 (1-1/4))**

- **SEZ-KD09NA**: N-M
- **SEZ-KD12NA**: 900-1000
- **SEZ-KD15NA**: 900-1000
- **SEZ-KD18NA**: 900-1000

**Refrigerant piping**

- **SEZ-KD09NA**: ø12.7(1/2)
- **SEZ-KD12NA**: ø6.35(1/4)
- **SEZ-KD15NA**: ø6.35(1/4)
- **SEZ-KD18NA**: ø6.35(1/4)

**Access door**

- Required space for service and maintenance

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**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 SEZ-KD15NA(4) model, which has 3 fans. SEZ-KD09,12NA(4) models have 2 fans. SEZ-KD18NA(4) models have 4 fans.
4. In case an inlet duct is used, remove the air filter (supply with the unit), then install the filter (field supply) at suction side.