1. Air conditioners should not be installed in areas where corrosive gases, such as acid gas or alkaline gas, are produced.

2. If the outdoor unit is to be installed close to the sea shore, direct exposure to the sea breeze should be avoided. If you need to install the outdoor unit close to the sea shore, contact your local distributor.

Cautions on product corrosion

1. Air conditioners should not be installed in areas where corrosive gases, such as acid gas or alkaline gas, are produced.
2. If the outdoor unit is to be installed close to the sea shore, direct exposure to the sea breeze should be avoided. If you need to install the outdoor unit close to the sea shore, contact your local distributor.

Warning

Ask a qualified installer or contractor to install this product. Do not try to install the product by yourself. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion.

Use only those parts and accessories supplied or specified by Daikin. Ask a qualified installer or contractor to install those parts and accessories. Use of unauthorised parts and accessories or improper installation of parts and accessories can result in water or refrigerant leakage, electrical shock, fire or explosion.

Read the user's manual carefully before using this product. The user's manual provides important safety instructions and warnings. Be sure to follow these instructions and warnings.

If you have any enquiries, please contact your local importer, distributor and/or retailer.
### PRODUCT RANGE

#### Super Inverter

<table>
<thead>
<tr>
<th>Series</th>
<th>50</th>
<th>60</th>
<th>71</th>
<th>100</th>
<th>125</th>
<th>140</th>
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<tbody>
<tr>
<td><strong>CEILING MOUNTED CASSETTE TYPE (Round Flow)</strong></td>
<td></td>
<td></td>
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<tr>
<td>Outdoor unit</td>
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<tr>
<td>Indoor unit</td>
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<td>RQ060AVY1</td>
<td>RQ067AVY1</td>
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<tr>
<td>Outdoor unit</td>
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<tr>
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#### Inverter series

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<tr>
<th>Series</th>
<th>50</th>
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<tbody>
<tr>
<td><strong>CEILING MOUNTED CASSETTE TYPE (Round Flow)</strong></td>
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<tr>
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<td>RQ170LV1</td>
<td>RQ200LV1</td>
<td>RQ235LV1</td>
</tr>
</tbody>
</table>
**Energy Efficient**

Achieved higher COP

Complies with MEPS

COP is equal to capacity (kW) divided by power consumption (kW), and the larger the COP value, the higher the energy efficiency, enabling cooling and heating with less electricity and increasing the energy saving performance.

**High COP models**

**CEILING MOUNTED CASSETTE TYPE** (Round Flow)

<table>
<thead>
<tr>
<th>COP</th>
<th>50</th>
<th>60</th>
<th>71</th>
<th>100</th>
<th>125</th>
<th>140</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cooling</td>
<td>3.94</td>
<td>3.59</td>
<td>3.85</td>
<td>3.89</td>
<td>3.51</td>
<td>3.89</td>
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<tr>
<td>Heating</td>
<td>4.26</td>
<td>4.02</td>
<td>4.46</td>
<td>4.05</td>
<td>3.89</td>
<td>3.65</td>
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</tbody>
</table>

**CEILING SUSPENDED TYPE**

**NEW**

<table>
<thead>
<tr>
<th>COP</th>
<th>3.48</th>
<th>3.38</th>
<th>3.28</th>
<th>3.23</th>
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<tr>
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<td>3.43</td>
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<td>3.23</td>
<td>3.22</td>
<td>3.10</td>
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</table>

**WALL MOUNTED TYPE**

<table>
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<tr>
<th>COP</th>
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<tbody>
<tr>
<td>Cooling</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Heating</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
</tbody>
</table>

**Compact and lightweight**

Reduced installation work thanks to light, compact outdoor unit.

- Height: 1,170 mm
- Weight: 98 kg
- Reduced by 180 mm
- Reduced by 23 kg

**"Nav Ease" Wired Remote Controller**

**Clear Display**

- Dot matrix display
- Backlight display

**Simple operation**

- Large buttons and arrow keys
- Guide on display

**Energy saving**

- Setpoint range set
- Setpoint auto reset
- Off timer (programmed)

**Convenience**

- Weekly schedule
- Multilingual display

**Comfortable**

Enhanced comfort with Inverter

Inverter performs variable control of frequency, which determines air conditioner’s power performance.

At startup, full power is used to achieve the set temperature quickly. Then, the capacity is adjusted according to the outdoor temperature changes and subtle indoor load changes to achieve fine capacity control resulting in a more stable room temperature.

Non-inverter type air conditioners must be switched on and off repeatedly, causing large fluctuations of the room temperature.

Inverter performs variable control of frequency, which determines air conditioner’s power performance.

**Quiet operation**

Night quiet operation function

The Automatic night quiet mode will initiate 8 hours after the peak temperature is reached in the daytime, and normal operation will resume 10 hours after that.

- Reducing noise will reduce capacity slightly.

**Sound pressure level** (dB(A))

- Rated*1: Night Quiet Mode
- RZQS50/60AV1: 48 dB(A)
- RZQS71AV1: 50 dB(A)
- RZQS100AV1/Y1: 53 dB(A)
- RZQS125AV1/Y1: 54 dB(A)
- RZQS140AV1/Y1: 54 dB(A)

Note:

*1Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24.0°CWB. Equiv. refrigeration piping, 7.5 m (horizontal).

*2Rated heating capacities are based on the following conditions: Indoor temp., 20°CDB, outdoor temp., 7°CDB, 6°CWB. Equiv. refrigeration piping, 7.5 m (horizontal).

*3Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

*4Value when cooling. Value will differ when heating.

**NEW**

- RZQS71AV1
- RZQS100AV1/Y1
- RZQS125AV1/Y1
- RZQS140AV1/Y1

**Achieved higher COP**

COP is equal to capacity (kW) divided by power consumption (kW), and the larger the COP value, the higher the energy efficiency, enabling cooling and heating with less electricity and increasing the energy saving performance.

**What is COP**

(Coefficient of Performance)

**CEILING MOUNTED CASSETTE TYPE**

Round Flow

<table>
<thead>
<tr>
<th>COP</th>
<th>3.94</th>
<th>3.59</th>
<th>3.85</th>
<th>3.89</th>
<th>3.51</th>
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<tr>
<td>Cooling</td>
<td>4.26</td>
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**Comfortable**

Enhanced comfort with Inverter

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*4Value when cooling. Value will differ when heating.

**NEW**

- RZQS71AV1
- RZQS100AV1/Y1
- RZQS125AV1/Y1
- RZQS140AV1/Y1
Reusing existing piping

**Benefit1** Reduces replacement time & cost by simplified installation

When considering air conditioner replacement, do the following things concern you?

- For how long will the business have to close down?
- While replacement work is going on, how will sales be affected?
- How to minimize inconvenience to tenants, who only leave the space vacant on weekends?
- Won’t the costs be high and work period longer because scaffolding is necessary for pipe replacement?

These problems are solved by Daikin!

Where feasible, by reusing existing pipes*, we cut your work cost and reduce work time.

Normally, when you replace air conditioners, in addition to replacing indoor and outdoor units, replacement of piping involves high costs and lengthy work periods. And, the more installed units you have, the greater the cost for connecting them, especially if they are installed in high places or embedded. Leave it to Daikin! Since Daikin can carry out upgrades using your existing piping, you can get the work done faster than ever before.

*Strict conditions must be adhered to, please refer to the installation manual and Engineering Data Book for further details including pipe sizes (if pipes are to be re-used)

**Benefit2** Enables increased capacity & Higher EER/COP

Upgrade to air conditioners featuring the latest technology and enjoy greatly improved energy efficiency.

For example, compared with R22 non-inverter units of 15 years ago, in the latest R410A series some units use smaller diameter piping which means they can achieve greater cooling capacity by reusing existing piping. As a result, the greater capacity units ensure better performance to cope with the increasing amount of heat generated by office equipment.

Advanced technology including use of corrosion resistant EEV, acid neutralisers and improved compressor reliability enables the re-use of existing piping* without the need to flush the piping for a simplified replacement process.

*Strict conditions must be adhered to, please refer to the installation manual and Engineering Data Book for further details including pipe sizes (if pipes are to be re-used)
Cassette air conditioner with 360° uniform airflow sets the standard

**Comfort enhanced by Round Flow!**

*360° airflow*
- With uniform temperature distribution

Airflow distribution creates uniform comfort throughout the space.

Room remains comfortable even when set temperature is raised 1°C.

**Air movement is gentle with Round Flow**
- Enhanced Comfort

**Adapts easily to the installation space**
- As air flows out from corner outlets, comfort spreads more evenly.

**Grime prevention and antibacterial coating: Makes cleaning easier**
- External panels are treated with a coating that helps to repel dirt

- To prevent dirt sticking to the external panels, they have been coated with a surface treatment

- Silver ion anti-bacterial drain pan
  - A built-in antibacterial treatment that uses silver ion in the drain pan prevents the growth of slime, bacteria, and mould that cause smells and clogging.

- Non-flocking flaps
  - Condensation does not easily form on and dirt does not cling to non-flocking flaps.
  - It is easy to clean.

- Filter has anti-mould and antibacterial treatment
  - Helps prevent mould and microorganisms growing out of the dust and moisture that adheres to the filters.

**Typical flow patterns**
- There are a total of 23 flow patterns.

**Velocity decreases by 25% when set temperature is raised 1℃ to 1.5℃.**

**Note:** Whatever the discharge direction, the same type of panel is used. If installing for other than all-round flow, an air discharge outlet sealing material (option) must be used to close each unused outlet.

Operation sound increases when using 2-way or 3-way flow.

**A built-in antibacterial treatment that uses silver ion in the drain pan prevents**
**the growth of slime, bacteria, and mould that cause smells and clogging.**

**Condition after exposure to the smoke of 600 cigarettes in 1 m³ enclosed space.**
- Treated surface
- Untreated surface

**Condensation does not easily form on**
**and dirt does not cling to non-flocking flaps. It is easy to clean.**

**Filter has anti-mould and antibacterial treatment**
- Helps prevent mould and microorganisms growing out of the dust and moisture that adheres to the filters.
Even in spaces with drop ceilings, it is easy to maintain a neat appearance when multiple units are installed in the same room.

When all round flow is selected, ceilings up to 4.2 m in height can be used. Two selectable temperature-sensors are available. The position can be changed from the remote controller. Air direction is set to the standard position when the unit is shipped from the factory.

Closing of the corner discharge outlets is recommended.

Optimal comfort and convenience assured by 2 air discharge modes

Air direction
Standard setting
Setting to prevent soiling of ceiling (field setting)

Desired situation
Standard setting to prevent direct drafts
Recommended for shops with high ceilings that must be kept spotless.

Auto-swing
Auto-swing between 25° and 60°
Auto-swing between 25° and 60°

5-levels air direction setting
Suitable to 5 different levels between 15° and 60°
Suitable to 5 different levels between 25° and 60°

Draft prevention (in heating mode)
Air curving by using a draft-preventing device in the ceiling automatically set to a near horizontal 25˚ or 30˚ to prevent direct exposure to cool air drafts.

Auto air direction control
The air direction is automatically set to the horizontal when the remote controller is installed.

Criteria for ceiling height and number of air discharge outlets

Ceiling height is reference value

Number of air discharge outlets used

<table>
<thead>
<tr>
<th>Ceiling height</th>
<th>50KA</th>
<th>60KA</th>
<th>71KA</th>
<th>100KA</th>
<th>125KA</th>
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<td>35</td>
<td>35</td>
<td>43</td>
<td>43</td>
<td>44</td>
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<td>31.5</td>
<td>31.5</td>
<td>31.5</td>
<td>37.5</td>
<td>37.5</td>
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<td>28</td>
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<td>32</td>
<td>36</td>
</tr>
</tbody>
</table>

- **Standard** setting
- **Setting** for preventing soiling of ceiling

- **Setting** to prevent direct drafts
- **Setting** to prevent direct drafts

Suitable for high ceilings

- In spaces with high ceilings, a comfortable airflow is carried down to the floor level.
- When all round flow is selected, ceilings up to 4.2 m in height can be accommodated. (100-140KA)

Quick and easy to install

- Just 256 mm high. Installable in tight indoor spaces (50-71KA)
- Setting to prevent soiling of ceiling

Easier to maintain

- The condition of the drain pan and drain water can be checked by removing the drain plug and suction grille

Options required for specific operating environments

- **High-efficiency filter unit**
  Available in two types: 65% and 90% coobrimetry.
  - Filter chamber
  - High-efficiency filter

- **Insulation kit for high humidity**
  Please use if you think the temperature and humidity inside the ceiling exceeds 30°C and RH 80%, respectively.
  - Insulation kit for drop ceilings
  - Insulation kit for ceiling slabs

- **Panel spacer**
  Use when only minimal space is available between drop ceilings and ceiling slabs.
  - Panel spacer

- **Direct installation type**
  - Direct installation type
  - Direct installation type

- **Sealing material of air discharge outlet**
  Sealing material block air discharge not used in 2-way or 3-way blow.
  - Sealing material of air discharge outlet
  - Sealing material of air discharge outlet

- **Branch duct** (direct-connection round duct)
  A round duct can be attached without the need for a chamber.
  - Branch duct

- **Fresh air intake kit**
  - Fresh air intake kit
  - Fresh air intake kit

- **DIII-NET communication standard**
  Connection to a centralised control system is available, no need for option card.
  - DIII-NET communication standard

- **Low gas pressure detection**
  - Low gas pressure detection

- **Note:**
  - Local-procured fan is used, an interlock with air conditioner is necessary.
  - Options required for specific operating environments

- **Note 1.2**
  - Using this kit, a duct can be connected to take outdoor air in. There are two chamber types that have intake in two places: with T-duct joint and without T-duct joint.

- **Note 2**
  - Use of options will increase operating sound.
  - Connecting ducts, fan, insect nets, fire dampers, air filters, and other parts should, as required, be procured locally.
  - Introducing higher quantities will increase the operating sound and may also influence temperature setting.

- **Note 3.4**
  - Note: Some ceiling constructions may hinder installation. Contact your Daikin Dealer before installing your unit.

- **Panel spacer**
  - Panel spacer

- **Direct installation type**
  - Direct installation type

- **Sealing material of air discharge outlet**
  - Sealing material block air discharge not used in 2-way or 3-way blow.
  - Sealing material of air discharge outlet

- **Branch duct** (direct-connection round duct)
  - Branch duct

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  - Fresh air intake kit
  - Fresh air intake kit

- **DIII-NET communication standard**
  Connection to a centralised control system is available, no need for option card.
  - DIII-NET communication standard

- **Low gas pressure detection**
  - Low gas pressure detection
Comfortable airflow travels throughout the room

The latest stylish model
- Sophisticated design
  - Flap neatly closes when not in use.
- White colour

Comfortable
- The technology of the DC fan motor, wide sirocco fan, and large heat exchanger combine for greater airflow and quiet operation
- Auto swing (up and down) and louvers (left and right by hand) bring comfort to the room
- Louver manually adjusts for straight or wide angle airflow

Installation flexibility for freedom of design
- Flexible installation
  - The unit fits more snugly into tight spaces.
- Drain pump kit (option) can be easily incorporated
  - Drain pipe connection can be done inside the unit. Refrigerant and drain pipe outlets are at the same opening.
- DIII-NET communication standard
  - Connection to a centralised control system is available, no need for option card.
- All wiring and internal servicing can be done from under the unit
- Easier piping work for rear side by removable frame

Easy maintenance
- Drain pump kit (option) includes a silver ion antibacterial agent that assists in preventing the growth of slime, bacteria, and mould that cause smells and clogging
- Non-flocking flap
  - Condensation does not easily form on and dirt does not cling to non-flocking flap.
  - It is easy to clean.
- Easy-clean, flat surfaces
  - It is easy to wipe dirt off the flat side and lower surfaces of the unit.

Quiet operation
- Two selectable temperature-sensors
  - See page 21
- Switchable fan speed: High/Middle/Low
- Programme “Dry”  
  - See page 21

Oil resistant grille
- Oil-resistant plastic is used for the air suction grille. This satisfies durability in restaurants and other similar environments.

CEILING SUSPENDED TYPE

Heat pump

FHQ50/60/71/100/125/140DA

Accessory required for indoor unit

Wired Remote Controller
“Nav Ease”
BRC1E62

Wireless LCD remote controller
A signal receiver unit must be added to the indoor unit.
140DA BRC7GA53

Signal receiver unit (Installed type)
A signal receiver unit is supplied in all sets with a signal receiver.

Option

NEW

Programme “Dry”

See page 21

NEW

Condensation does not easily form on and dirt does not cling to non-flocking flap. It is easy to clean.

Easy-clean, flat surfaces
It is easy to wipe dirt off the flat side and lower surfaces of the unit.

Quiet operation
- Two selectable temperature-sensors
  - See page 21
- Switchable fan speed: High/Middle/Low
- Programme “Dry”  
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It is easy to wipe dirt off the flat side and lower surfaces of the unit.

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- Two selectable temperature-sensors
  - See page 21
- Switchable fan speed: High/Middle/Low
- Programme “Dry”  
  - See page 21

Oil resistant grille
- Oil-resistant plastic is used for the air suction grille. This satisfies durability in restaurants and other similar environments.
Compact & Sophisticated design

- **FAQ100**

<table>
<thead>
<tr>
<th>Height</th>
<th>Width</th>
<th>Depth</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>FAQ100BV</td>
<td>360mm</td>
<td>1,570mm</td>
<td>200mm</td>
</tr>
<tr>
<td>FAQ100C</td>
<td>340mm</td>
<td>1,200mm</td>
<td>240mm</td>
</tr>
</tbody>
</table>

- Flaps neatly close when not in use
- Fresh white colour

Comfortable

- Auto swing (up and down) and wide-angle louvers (left and right by hand) facilitate even room temperature
- An air discharge modes ensure comfortable air distribution across the entire room
- Comfort even on the far side of the room
  - To carry air to the far side of long rooms, extra-high airflow adds 10% more fan speed to the “high” setting.
  - Air discharge setting is selected from the remote controller by field setting.

Design and installation flexibility

- Maintenance possible from the front of the unit
  - All maintenance tasks can be carried out via front access. During servicing, attachment and detachment of parts is easier.
- Drain pump kit is available as option
  - Drain pump kit can be installed on either left and right side of the indoor unit.
- Interlock control
  - As an energy saving feature, the room air conditioning unit can be interlocked with the key card system.
  - Through 3rd party building management system, it is possible to interlock air conditioning and lighting.
- DIII-NET communication standard
  - Connection to a centralised control system is available, no need for option card.

Easy cleaning

- Switchable fan speed: High/Middle/Low
- Auto airflow rate (When BRC1E62 is used)
- Programme "Dry"
  - Dehumidification is microprocessor controlled to prevent abrupt and uncomfortable changes in air temperature.
- Removable and washable grille
- Flat panel, easy to wipe dust off
- Non-flocking flaps
  - Condensation does not easily form on and dirt does not cling to non-flocking flaps. It is easy to clean.

FAQ100BV

- 1,000 mm
- 340 mm
- 370 mm shorter
- 9 kg lighter

FAQ100C

- 1,200 mm
- 1,570 mm
- 200 mm
- 28 kg

FAQ71C

- 1,300 mm
- 1,250 mm
- 200 mm
- 28 kg

FAQ71/100C

- 1,300 mm
- 1,250 mm
- 200 mm
- 28 kg

WALL MOUNTED TYPE

Compact design and easy installation

Accessory required for indoor unit

Wired LCD remote controller

“Nav Ease”

BRC1E62

Signal receiver unit (Installed type)

Wireless LCD remote controller

BRC7EB518

Signal receiver unit (Installed type)

Option

“Nav Ease”

BRC1E62

Wireless remote controller is supplied in a set with a signal receiver.

Option

Wireless LCD remote controller

BRC7EB518

Signal receiver unit (Installed type)

Auto swing (up and down) and wide-angle louvers (left and right by hand)

Wide-angle louvers (by hand)

Soft material louver bends airflow over a wider area

Auto-swing 5-level air direction setting

Contactable to 5 different levels

Auto swing

5-level air direction setting

Condensation does not easily form on and dirt does not cling to non-flocking flaps. It is easy to clean.
**Easy installation and maintenance**

- Pre-charged for up to 30 metres if the refrigerant piping length does not exceed 30 m. There is no need for on-site gas charging.
- 75 m piping length (Applicable to RZQS100-140A and RZQ100-140L outdoor units)

**Compartment and lightweight**

- Reduced installation work thanks to light, compact outdoor unit.
- Weight: 990 kg
  - Reduced by 180 kg
  - Reduced by 23 kg

**Night time quiet operation function**

- The Automatic night quiet mode will initiate 8 hours after the peak temperature is reached in the daytime, and normal operation will resume 10 hours after that.
- Reducing noise will reduce capacity slightly.

**Operation range**

- 4-direction piping offers greater layout freedom
- The outer panel for the piping connection part of the front, right side and backside can be removed and is easier for post-installation piping work.
- Removable part of bottom frame makes the piping work easier
- Removable part of bottom frame makes the piping work easier
- Facilitates pump down (Refrigerant recovery function)
- A pump-down switch is provided to make it easier to collect refrigerant if the unit is to be moved or layout modified.
- *Pump-down function is available for pre-charged refrigerant amount.
- Low gas pressure detection function
- Effective gas monitoring reduces the labor required for operation, maintenance, and repairs.

**Durability**

- As the bottom frame is subject to corrosion, a corrosion-proof galvani steel plate is adopted to enhance the durability.
- Heat exchanger fins are provided with anti-corrosion treatment
- Corrosion-resistant fin
- Refrigerant gas leakage prevention function
- Effective gas monitoring reduces the labor required for operation, maintenance, and repairs.

**Demand Control Function**

- The maximum capacity is maintained within a set level of power consumption, which makes it possible to keep a comfortable and effective demand control.
- Operation range

**Technology for energy efficiency**

**The high efficiency compressor to achieve a high COP**

1. **Compressor equipped with Reluctance DC motor**
   - Daikin DC Inverter models are equipped with the Reluctance DC motor for compressor.
   - The Reluctance DC motor uses 2 different types of torque, neodymium magnet*1 and reluctance torque*2.
   - This motor can save energy because it generates more power with a smaller electric power than an AC or previous DC motor.

   - **Efficiency improved in all areas compared to AC motors.**
   - **DC fan motor**
   - Efficiency improved in all areas compared to AC motors, especially at low speeds.

**Aero Spiral Fan**

- The Aero Spiral Fan features fan blades with the bent blade edges, further reducing turbulence.

**DC fan motor**

- Efficiency improved in all areas compared to AC motors, especially at low speeds.
Easy-to-read LCD remote controller allows various system control configurations and control of multiple indoor units.

Remote controller options are shown on the page introducing each indoor unit model.

**Wired Remote Controller “Nav Ease”**

This simple, contemporary remote controller with fresh white colour matches your interior design. The clear, backlight display with large easy-to-read text makes navigation easy and provides one-touch control over your in-home comfort.

**Clear Display**

Dot matrix display
A combination of fine dots enables various icons. Large text display is easy to see.

**Energy saving**

Auto operation mode
Until now only the temperature for one point could be set, but now the new remote controller (BRC1E62) allows the setting of both Cooling and Heating, and with the fan operation, mid-range temperatures are comfortable and operation is more energy efficient.

**Setpoint auto reset**
- Even if the set temperature is changed, it returns to the preset temperature after a preset period of time.
- Period selectable from 30min/60min/90min/120min.

**Setpoint range set**
- Saves energy by limiting the min. and max. set temperature.
- Avoids excessive heating or cooling.
- This function is convenient when the remote controller is installed at a place where any number of people may operate it.

**Off timer (programmed)**
- Sets and saves setting for an increment of time that automatically turns off air conditioner after a preset period of time for each time operation starts.
- Period can be preset from 30 to 180 minutes in 10-minute increments.

**Weekly schedule**
- 5 actions per day can be scheduled for each day of the week.
- The holiday function will disable schedule timer for the days that have been set as holiday.

**College classroom sample**
- (a summer Monday case)

<table>
<thead>
<tr>
<th>Time</th>
<th>Action</th>
<th>Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) 8:30</td>
<td>ON</td>
<td>1. First period starts and the air conditioner starts the cooling operation.</td>
</tr>
<tr>
<td>2) 10:00</td>
<td>OFF</td>
<td>2. In the second period, the classroom is unoccupied and the air conditioner stops.</td>
</tr>
<tr>
<td>3) 13:00</td>
<td>ON</td>
<td>3. When the third period starts, operation starts again.</td>
</tr>
<tr>
<td>4) 15:00</td>
<td>OFF</td>
<td>4. After the third period, the classroom becomes vacant again and the air conditioner stops.</td>
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</table>

**Convenience**

**Weekly schedule**
- 5 actions per day can be scheduled for each day of the week.
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**Multi-lingual display**
Display is available in 11 languages. (English, German, French, Spanish, Italian, Portuguese, Greek, Dutch, Russian, Turkish, and Polish).

**NEW**
- The wireless remote controller is supplied in a set with a signal receiver.
- Signal receiver unit contains inside decoration panel or indoor unit.
- Shape of signal receiver unit differs according to the indoor unit.

**Note:** The signal receiver unit shown in the photograph is for mounting inside the decoration panel of the ceiling mounted cassette type.

The wireless remote controller is supplied in a set with a signal receiver.

**Wireless remote controller for each indoor unit type**

- Ceiling mounted cassette type: BRC7F634F
- Ceiling suspended type: BRC7F634F
- Wall mounted type: BRC7EB518
- BRC7GA53

**NEW**
- Setpoint auto reset
- Setpoint range set
- Setpoint range auto reset
- Auto operation mode
- Fan operation
- Heating operation
- Cooling operation

**NEW**
- 1817
- Wired remote controller
- "Nav Ease"
- 24°C
- 27°C
- 20°C

**NEW**
- 2 setpoints
- Cooling / Heating

**NEW**
- Saves energy by limiting the min. and max. set temperature.
- Avoids excessive heating or cooling.
- This function is convenient when the remote controller is installed at a place where any number of people may operate it.

**NEW**
- Off timer (programmed)
- Sets and saves setting for an increment of time that automatically turns off air conditioner after a preset period of time for each time operation starts.
- Period can be preset from 30 to 180 minutes in 10-minute increments.

**SkyAir shares common control with the Heat Reclaim Ventilator and other Daikin air-conditioning units, thus simplifying interlocking operations.**

**SkyAir Indoor unit**

**LCD remote controller for SkyAir indoor unit**

**Heat Reclaim Ventilator**

**Interlocking**

**NEW**
- This simple, contemporary remote controller with fresh white colour matches your interior design. The clear, backlight display with large easy-to-read text makes navigation easy and provides one-touch control over your in-home comfort.

**Optional accessory**

**BRC1E62**

**Wireless remote controller**

**NEW**
- Energy saving
- Multi-lingual display
- Clear Display
- Dot matrix display
- A combination of fine dots enables various icons. Large text display is easy to see.

**Weekly schedule**
- 5 actions per day can be scheduled for each day of the week.
- The holiday function will disable schedule timer for the days that have been set as holiday.

**College classroom sample**
- (a summer Monday case)

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</table>
### System variation to control multiple indoor units

<table>
<thead>
<tr>
<th>Control pattern</th>
<th>Wired remote controller</th>
<th>Wireless remote controller</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Control by 1 remote controller</strong> (Basic system)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Control by 2 remote controllers</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>For control from 2 rooms such as in room and control room, exits, etc.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Group control</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>For simultaneous control of up to 16 indoor units.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Control by external command</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operation and monitoring is carried out using the contact signal from the operation control box in the monitoring room.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Centralised remote control</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Centralised control of up to 64 indoor groups from remote location up to 1 km away.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Link by remote controller group control.</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Link by remote controller group control.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Interlock control with Heat Reclaim Ventilator</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zone link control by centralised control.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Note:**
- BRC1E62 can connect to BRC1E62 only.
- It is not possible to use two wireless remote controllers.
- BRC1E62 cannot connect to wireless remote controller.

---

### Functions overview

**Cooling only**

### Comfort

<table>
<thead>
<tr>
<th>Feature</th>
<th>Wired remote controller</th>
<th>Wireless remote controller</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auto swing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Swing pattern selection</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Draft prevention function (heating)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DC fan motor (Indoor unit)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Switchable fan speed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Auto airflow rate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>High fan speed mode</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Programme “Dry”</td>
<td></td>
<td></td>
</tr>
<tr>
<td>High ceiling application</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Two selectable temperature-sensors</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hot start</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Year-round cooling applicable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Night quiet operation</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Remote Controller

- Setpoint auto reset *3
- Setpoint range set *3
- Weekly schedule timer *3
- Off timer (programmed) *3

### Cleanliness

- Anti-bacterial air filter
- Mould-proof air filter
- Silver ion anti-bacterial drain pan

### Work & servicing

- Drain pump mechanism
- Pre-charged for up to 30 m²
- Filter sign
- Ceiling soiling prevention
- Low gas pressure detection *2
- Emergency operation
- Self-diagnosis function

### Control features

- Auto-restart
- Auto-cooling/heating change-over
- Control by 2 remote controllers
- Group control by 1 remote controller
- External command control *5
- Central remote control
- Interlock control with Heat Reclaim Ventilator
- DIII-NET communication standard

### Options

- High-efficiency filter
- Fresh air intake kit

### Others

- Anti corrosion treated heat exchangers *2

**Note:**
- *1: Applicable when wired remote controller is used
- *2: For outdoor units
- *3: Applicable when BRC1E62 is used
- *4: Installable on max. 3.5 m (50-71) and 4.3 m (100-140) high ceiling
- *5: Option
Abundance of features that provide comfortable air-conditioning in stores and offices.

- Note: Some features only available on selected models. See overview pages for full list of features applicable to each unit.

**FUNCTIONS**

**Comfort**
- **Auto-swing**
  Delivers comfortable air-conditioning to all areas, near and far from the air-conditioner.
- **Swing pattern selection**
  (standard, ceiling setting prevention)
  You can freely set air discharge settings by remote controller.
  (1) standard setting  (2) Draft prevention setting
- **Draft prevention function (heating)**
  To prevent cold air drafts, automatically adjusts airflow to near horizontal position when heating initially starts or when the thermostat is turned off.
- **DC fan motor** (indoor unit)
  DC fan motor improves efficiency.
- **Switchable fan speed**
  High setting provides maximum reach while low setting minimises drafts.
- **Auto airflow rate**
  Airflow rate is automatically controlled in accordance with the difference between room temperature and set temperature.
- **High fan speed mode**
  - Applicable for wall mounted type.
  You can increase fan speed approximately 10% higher than the "high" setting.
- **Programme "Dry"**
  Dehumidification is a microprocessor controlled to prevent abrupt and uncomfortable changes in air temperature. Useful for reducing uncomfortable humidity without uncomfortable cooling of the room.

**Remote Controller**
- **Setpoint auto reset**
  Even if the set temperature is changed, it returns to the preset temperature after a preset period of time.
- **Setpoint range set**
  Saves energy by limiting the minimum and maximum set temperatures. Avoids excessive heating and cooling.

**Cleanliness**
- **Anti-bacterial air filter**
  The air filter has an anti-bacterial treatment to help prevent the growth of bacteria and mould on it.
- **Mould-proof air filter**
  Sanitary filter has mould-resistant treatment.
- **Silver ion anti-bacterial drain pan**
  A built-in antibacterial treatment that uses silver ion in the drain pan prevents the growth of slime, bacteria, and mould that cause smells and clogging.

**Work and Servicing**
- **Control features**
  - **Auto-restart**
    If there is a power outage while the equipment is operating, operations will restart in the same mode as before the power cut when electricity is restored.
  - **Auto cooling / heating change-over**
    Detects difference in preset temperature and actual room temperature and automatically switches to cooling or heating accordingly.
  - **Control by 2 remote controllers**
    Using 2 remote controllers you can operate the equipment locally or from a remote location. Using a wireless remote controller the filter sign lamp illuminates on the signal receiver unit.
  - **Group control by 1 remote controller**
    You can turn up to 16 indoor units on/off with a single remote controller. (When using connected indoor units, the settings must all be the same and on/off will be simultaneous.)
  - **External command control**
    Operation and monitoring is carried out using the contact signal from the operation control box in the building monitoring room.
  - **Central remote control**
    An optional central remote controller enables centralised control of up to 1024 indoor units (64 groups) from up to 1 km away.
  - **Interlock control with Heat Reclaim Ventilator**
    Enables interlocking control with external equipment such as Heat Reclaim Ventilator.
  - **DIII-NET communication standard**
    Standardly equipped interface enables connection to centralised control system without need of an adaptor.

**Options**
- **High-efficiency filter**
  - Applicable for ceiling mounted cassette type.
  Two types are available: 65% and 90% colorimetry.
- **Fresh-air intake kit**
  - Applicable for ceiling mounted cassette type.
  You can provide air-conditioning with fresh air from outside. Convenient for places where a ventilation fan cannot be installed.

**Others**
- **Anti corrosion treated heat exchangers**
  To achieve increased durability by improved resistance to salt corrosion and atmospheric pollution. Anti corrosion treated fin for heat exchangers are used for the heat exchanger of the outdoor unit. In high corrosive areas, regular maintenance needs to be carried out.

**Note:** When units are installed on high ceilings, depending on the model, various restrictions concerning maximum height, air discharge direction, and choice of options may apply.
### CEILING MOUNTED CASSETTE TYPE

#### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model Name</th>
<th>Indoor unit</th>
<th>Outdoor unit</th>
<th>Outdoor unit</th>
<th>Outdoor unit</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FQY71KAVEA</td>
<td>FQY60KAVEA</td>
<td>FQY71KAVEA</td>
<td>FQY100KAVEA</td>
</tr>
<tr>
<td>Indoor unit</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Machine</td>
<td>71 100 125</td>
<td>50 71 100</td>
<td>100 125 150</td>
<td>100 125 150</td>
</tr>
<tr>
<td>Compressor</td>
<td>Hermetically sealed swing type</td>
<td>Hermetically sealed swing type</td>
<td>Hermetically sealed swing type</td>
<td>Hermetically sealed swing type</td>
</tr>
<tr>
<td>Motor power</td>
<td>440 M</td>
<td>440 M</td>
<td>550 M</td>
<td>550 M</td>
</tr>
<tr>
<td>Power supply</td>
<td>1 Phase, 220-240 V, 50 Hz</td>
<td>3 Phase, 380-415 V, 50 Hz</td>
<td>1 Phase, 220-240 V, 50 Hz</td>
<td>3 Phase, 380-415 V, 50 Hz</td>
</tr>
<tr>
<td>CO2 emission</td>
<td>14.0 16.0</td>
<td>14.0 16.0</td>
<td>14.0 16.0</td>
<td>14.0 16.0</td>
</tr>
<tr>
<td>Wall insulation</td>
<td>Both liquid and gas piping</td>
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</tr>
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</table>

#### OPERATION RANGE

<table>
<thead>
<tr>
<th>Machine</th>
<th>Indoor (Cooling)</th>
<th>Indoor (Heating)</th>
<th>Outdoor (Cooling)</th>
<th>Outdoor (Heating)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>298X840X840</td>
<td>298X840X840</td>
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</tr>
<tr>
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#### INVERTER SERIES

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<tbody>
<tr>
<td></td>
<td>FQY71CVEA</td>
<td>FQY100CVEA</td>
<td>RZQS71AV1</td>
<td>RZQS100AV1</td>
</tr>
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<td>Indoor unit</td>
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<td></td>
<td></td>
<td></td>
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<tr>
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</tr>
<tr>
<td>Wall insulation</td>
<td>Both liquid and gas piping</td>
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</table>

#### INVERTER SERIES

<table>
<thead>
<tr>
<th>Model Name</th>
<th>Indoor unit</th>
<th>Outdoor unit</th>
<th>Outdoor unit</th>
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<tbody>
<tr>
<td></td>
<td>FQY71CVEA</td>
<td>FQY100CVEA</td>
<td>RZQS71AV1</td>
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<tr>
<td>Indoor unit</td>
<td></td>
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<tr>
<td>Machine</td>
<td>71 100 125</td>
<td>100 125 150</td>
<td>100 125 150</td>
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</tr>
<tr>
<td>Compressor</td>
<td>Hermetically sealed scroll type</td>
<td>Hermetically sealed scroll type</td>
<td>Hermetically sealed scroll type</td>
<td>Hermetically sealed scroll type</td>
</tr>
<tr>
<td>Motor power</td>
<td>440 M</td>
<td>440 M</td>
<td>550 M</td>
<td>550 M</td>
</tr>
<tr>
<td>Power supply</td>
<td>1 Phase, 220-240 V, 50 Hz</td>
<td>3 Phase, 380-415 V, 50 Hz</td>
<td>1 Phase, 220-240 V, 50 Hz</td>
<td>3 Phase, 380-415 V, 50 Hz</td>
</tr>
<tr>
<td>CO2 emission</td>
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<td>14.0 16.0</td>
<td>14.0 16.0</td>
<td>14.0 16.0</td>
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<tr>
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### WALL MOUNTED TYPE

#### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model Name</th>
<th>Indoor unit</th>
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</tr>
</tbody>
</table>

### NOTES

- Outdoor unit dimensions include outdoor unit, decoration panel, and piping connections.
- Indoor unit dimensions do not include indoor unit, decoration panel, and piping connections.
- All values are based on standard conditions.
- COP values are calculated under standard conditions.
- EER values are calculated under standard conditions.
- All sound pressure levels are measured under standard conditions.
- All power consumption values are calculated under standard conditions.
- All power supply values are based on the specified conditions.
- All CO2 emission values are calculated under standard conditions.
- All wall insulation values are calculated under standard conditions.
- All heat insulation values are calculated under standard conditions.
### Indoor unit

#### CEILING MOUNTED CASSETTE TYPE

<table>
<thead>
<tr>
<th>Name of option</th>
<th>Kit name</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indication panel</td>
<td>BIVP19K1-8H</td>
<td>Heating and cooling performance indicator</td>
</tr>
<tr>
<td>High efficiency filter unit (Optional chamber)</td>
<td>KAPPS5680B</td>
<td>(Colorimetric method 90%)</td>
</tr>
<tr>
<td>Replacement</td>
<td>KAPPS5810B</td>
<td>(Colorimetric method 65%)</td>
</tr>
<tr>
<td>Filter chamber</td>
<td>KDDQ50A140</td>
<td>Filter type: Heat pump</td>
</tr>
<tr>
<td>Distribution chamber for high-humidity operation</td>
<td>KDDQ50A140</td>
<td>Filter type: Heat pump</td>
</tr>
<tr>
<td>Fresh air intake kit (Chamber type)</td>
<td>KDDQ50A140</td>
<td>Filter type: Heat pump</td>
</tr>
<tr>
<td>Electrical box with earth terminal (2 blocks)</td>
<td>DST301BA61</td>
<td>Filter type: Heat pump</td>
</tr>
<tr>
<td>Electrical box with earth terminal (3 blocks)</td>
<td>DST301BA61</td>
<td>Filter type: Heat pump</td>
</tr>
<tr>
<td>Noise filter (For electromagnetic interface use only)</td>
<td>BRC7GA53</td>
<td>Filter type: Heat pump</td>
</tr>
<tr>
<td>Branch duct connection</td>
<td>KDDQ50A140</td>
<td>Filter type: Heat pump</td>
</tr>
</tbody>
</table>

#### CEILING SUSPENDED TYPE

<table>
<thead>
<tr>
<th>Name of option</th>
<th>Kit name</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indoor unit</td>
<td>KDIS55A140</td>
<td>Heating and cooling performance indicator</td>
</tr>
<tr>
<td>High efficiency filter unit (Optional chamber)</td>
<td>KAPPS5680B</td>
<td>(Colorimetric method 90%)</td>
</tr>
<tr>
<td>Replacement</td>
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### Outdoor unit

<table>
<thead>
<tr>
<th>Name of option</th>
<th>Kit name</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heat pump</td>
<td>R2QR55A1V1</td>
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<tr>
<td>Central drain plug</td>
<td>KKB50P140</td>
<td>Outdoor unit</td>
</tr>
<tr>
<td>Filter for preventing overloading</td>
<td>KPT-60B160</td>
<td>Outdoor unit</td>
</tr>
<tr>
<td>Wire for preventing overloading</td>
<td>KPT-60B160</td>
<td>Outdoor unit</td>
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</tbody>
</table>

### OPTIONS

Indoor unit

<table>
<thead>
<tr>
<th>Name of option</th>
<th>Kit name</th>
<th>Remark</th>
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</thead>
<tbody>
<tr>
<td>Navigation Remote Controller</td>
<td>KJP50P140</td>
<td>Wireless type</td>
</tr>
<tr>
<td>Schedule timer</td>
<td>KRP4AA51</td>
<td>Wired type</td>
</tr>
<tr>
<td>Unified ON/OFF controller</td>
<td>KRP4AA93</td>
<td>Wired type</td>
</tr>
<tr>
<td>Central remote controller</td>
<td>KRP58M51</td>
<td>Wired type</td>
</tr>
<tr>
<td>Central drain plug</td>
<td>KSB212AA</td>
<td>Wired type</td>
</tr>
<tr>
<td>Central drain plug</td>
<td>KSB311AA</td>
<td>Wired type</td>
</tr>
</tbody>
</table>

Round flow type: List of optional parts required to achieve different flow patterns

- **For each flow pattern** - all round, 4-way, 3-way, 2-way, branch duct connection - the compatibility of each independently installed option (shown in the column on the left) to accessory options (listed across the top of each table) is shown in the cells where the relevant row and column intersect.

- **A circle (●) indicates compatibility, and a cross (●) indicates incompatibility.** Any options not shown below are not suitable for independent or accessory installation.

### WALL MOUNTED TYPE

<table>
<thead>
<tr>
<th>Name of option</th>
<th>Kit name</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outdoor unit</td>
<td>KDP301BA61</td>
<td>Outdoor unit</td>
</tr>
<tr>
<td>Central drain plug</td>
<td>KKB50P140</td>
<td>Outdoor unit</td>
</tr>
<tr>
<td>Filter for preventing overloading</td>
<td>KPT-60B160</td>
<td>Outdoor unit</td>
</tr>
<tr>
<td>Wire for preventing overloading</td>
<td>KPT-60B160</td>
<td>Outdoor unit</td>
</tr>
<tr>
<td>Remote sensor</td>
<td>KNP50P140</td>
<td>Outdoor unit</td>
</tr>
</tbody>
</table>

**Note:**

- Wiring for wired remote controller to be procured locally.
- The indoor unit is equipped standardly with the interface adaptor for SkyAir series. An option is unnecessary.
- Installation box for adaptor PCB (KRP4AA93) is necessary.
**CEILING MOUNTED CASSETTE TYPE**

**DIMENSIONS** (Unit: mm)

- **Hanging bolt**: 4-M8~M10
- **Connection position of branch duct (round shape type)**: 16-M4 Prepared hole
- **Connection position of fresh air intake kit**: 6-M4 Hole
- **Connection position of branch duct (square-shaped type)**: 16-M4 Hole
- **Position slit hole for taking out in pipe back**: 57 mm
- **Required space pattern of service**: 200 mm or more
- **Optional space (optional)**: 30 or more
- **Drain hose (accessory)**: ø45
- **Suction grille**: ø25 (Required space)
- **Air-outlet**: ø100 (Required space)
- **Gas pipe connection**: Liquid pipe connection
- **Drain pipe connection**: Liquid pipe connection
- **Upward drain pipe connection**: Liquid pipe connection
- **Right side drain pipe connection**: Liquid pipe connection
- **Connection position of fresh air intake kit**: φ100 (Knock out hole)
- **Position : Hole of wall for taking out in pipe back**: 197 mm
- **Service space**: 30 or more
- **Service space (right)**: 30 or more
- **Service space (left)**: 30 or more

**Notes:**
1. Please do not place the thing been damp and troubled under an indoor unit.
2. Drain outlet are choked up when the case where humidity is 80% or more, and the drain outlet are choked up.
3. When such condition is found, please install an air extractor.
4. When the case where humidity is 80% or more, and the drain outlet are choked up.

**CEILING SUSPENDED TYPE**

**[FHG50-60DAVMA]**

- **Connection position of fresh air intake kit (optional)**: 6-M4 Hole
- **Connection position of fresh air intake kit (direct installation type)**: 6-M4 Hole
- **Drain pipe connection (both right and left)**: ø100
- **Upward drain pipe connection**: ø100
- **Liquid pipe connection**: ø100
- **Right side drain pipe connection**: ø100
- **Left side drain pipe connection**: ø100
- **Upward drain pipe connection**: ø100
- **Liquid pipe connection**: ø100
- **Right side drain pipe connection**: ø100
- **Left side drain pipe connection**: ø100

**Notes:**
1. Location of unit’s Name Plate: Bottom of fan housing inside the suction grille.
2. In case of using wireless remote controller, this position will be a signal receiver.
3. Connection position of fresh air intake kit.
4. Connection position of branch duct (square-shaped type).
5. Connection position of branch duct (round shape type).

**CEILING SUSPENDED TYPE**

**[FHQ71DAVMA]**

- **Connection position of fresh air intake kit (direct installation type)**: 6-M4 Hole
- **Connection position of fresh air intake kit (optional)**: 6-M4 Hole
- **Drain pipe connection**: ø100
- **Upward drain pipe connection**: ø100
- **Liquid pipe connection**: ø100
- **Right side drain pipe connection**: ø100
- **Left side drain pipe connection**: ø100
- **Connection position of fresh air intake kit (direct installation type)**: 6-M4 Hole
- **Connection position of fresh air intake kit (optional)**: 6-M4 Hole

**Notes:**
1. Location of unit’s Name Plate: Bottom of fan housing inside the suction grille.
2. In case of using wireless remote controller, this position will be a signal receiver.
3. Connection position of fresh air intake kit.
4. Connection position of branch duct (square-shaped type).
5. Connection position of branch duct (round shape type).

**CEILING MOUNTED CASSETTE TYPE**

- **Hanging bolt**: 4-M8~M10
- **Connection position of branch duct (round shape type)**: 16-M4 Prepared hole
- **Connection position of fresh air intake kit**: 6-M4 Hole
- **Connection position of branch duct (square-shaped type)**: 16-M4 Hole
- **Position slit hole for taking out in pipe back**: 57 mm
- **Required space pattern of service**: 200 mm or more
- **Optional space (optional)**: 30 or more
- **Drain hose (accessory)**: ø45
- **Suction grille**: ø25 (Required space)
- **Air-outlet**: ø100 (Required space)
- **Gas pipe connection**: Liquid pipe connection
- **Drain pipe connection**: Liquid pipe connection
- **Upward drain pipe connection**: Liquid pipe connection
- **Right side drain pipe connection**: Liquid pipe connection
- **Connection position of fresh air intake kit**: φ100 (Knock out hole)
- **Position : Hole of wall for taking out in pipe back**: 197 mm
- **Service space**: 30 or more
- **Service space (right)**: 30 or more
- **Service space (left)**: 30 or more

**Notes:**
1. Please do not place the thing been damp and troubled under an indoor unit.
2. Drain outlet are choked up when the case where humidity is 80% or more, and the drain outlet are choked up.
3. When such condition is found, please install an air extractor.
4. When the case where humidity is 80% or more, and the drain outlet are choked up.

**CEILING SUSPENDED TYPE**

**[FHQ71DAVMA]**

- **Connection position of fresh air intake kit (direct installation type)**: 6-M4 Hole
- **Connection position of fresh air intake kit (optional)**: 6-M4 Hole
- **Drain pipe connection**: ø100
- **Upward drain pipe connection**: ø100
- **Liquid pipe connection**: ø100
- **Right side drain pipe connection**: ø100
- **Left side drain pipe connection**: ø100
- **Connection position of fresh air intake kit (direct installation type)**: 6-M4 Hole
- **Connection position of fresh air intake kit (optional)**: 6-M4 Hole

**Notes:**
1. Location of unit’s Name Plate: Bottom of fan housing inside the suction grille.
2. In case of using wireless remote controller, this position will be a signal receiver.
3. Connection position of fresh air intake kit.
4. Connection position of branch duct (square-shaped type).
5. Connection position of branch duct (round shape type).
CEILING SUSPENDED TYPE

**DIMENSIONS (Unit: mm)**

![Diagram](image)

**Notes:**
- Location of unit’s Name Plate: Bottom of fan housing inside the suction grille.
- In case of using wireless remote controller, this position will be a signal receiver. Refer to the drawing of wireless remote controller in detail.
- When the case where humidity is 80% or more, and the drain outlet are choked up and the air filter are dirty, dew may fall.

WALL MOUNTED TYPE

![Diagram](image)

**Notes:**
- Location of unit’s Name Plate: Right side surface of casing.
- In case of using wireless remote controller, this position will be a signal receiver. Refer to the drawing of wireless remote controller in detail.
- Please do not place the thing been damp and troubled under an indoor unit.
- In case of using wireless remote controller, this position will be a signal receiver. Refer to the drawing of wireless remote controller in detail.
- When the case where humidity is 80% or more, and the drain outlet are choked up and the air filter are dirty, dew may fall.
When there are obstructions on the inlet side:

1. For single unit installation
   - When there is an obstruction only on the inlet side.
   - When there are obstructions on both sides.

2. For series installation (more than two units)
   - When there is an obstruction on the inlet side.
   - When there are obstructions on both the inlet and outlet sides.

When there is an obstruction in the overhead space:

1. For single unit installation
   - When the overhead space is open.
   - When the overhead space is closed.
   - When the overhead space is closed and there is an obstruction on the outlet side.

2. For series installation (more than two units)
   - When there is an obstruction in the overhead space.
   - When there are obstructions on both the inlet and outlet sides.

For RZQS50-140AV1, RZQS100-140AY1, RZQ71-140LV1, etc.,

1. For single unit installation
   - When the overhead space is open.
   - When the overhead space is closed.
   - When the overhead space is closed and there is an obstruction on the outlet side.

2. For series installation (more than two units)
   - When there is an obstruction in the overhead space.
   - When there are obstructions on both the inlet and outlet sides.

Note: As for other patterns of installation, please refer to Installation manual or Engineering Data Book.
1. Air conditioners should not be installed in areas where corrosive gases, such as acid gas or alkaline gas, are produced.

2. If the outdoor unit is to be installed close to the sea shore, direct exposure to the sea breeze should be avoided. If you need to install the outdoor unit close to the sea shore, contact your local distributor.

Cautions on product corrosion

- Ask a qualified installer or contractor to install this product. Do not try to install the product by yourself. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Use only those parts and accessories supplied or specified by Daikin. Ask a qualified installer or contractor to install those parts and accessories. Use of unauthorised parts and accessories or improper installation of parts and accessories can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Read the user's manual carefully before using this product. The user's manual provides important safety instructions and warnings. Be sure to follow these instructions and warnings.
- If you have any enquiries, please contact your local importer, distributor and/or retailer.