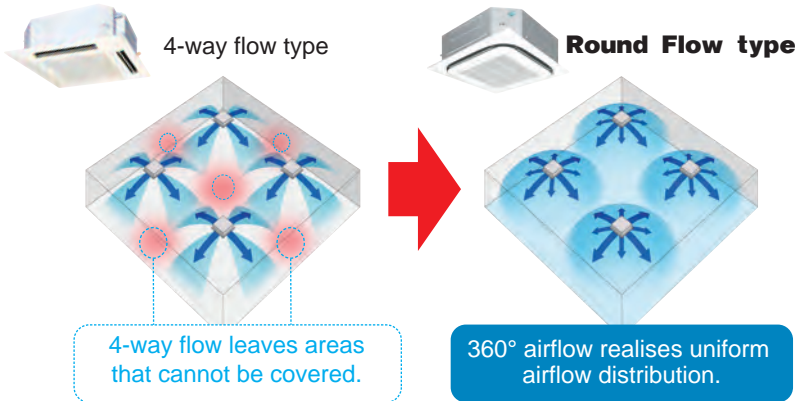
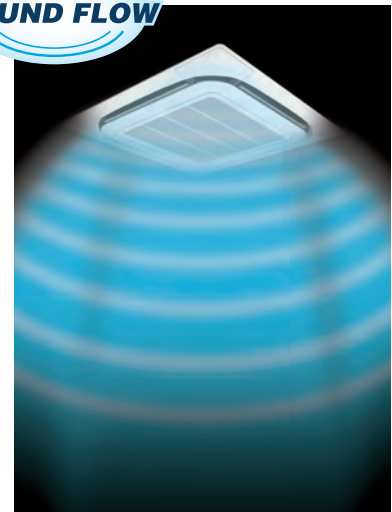


Features and Benefits of DAIKIN's

Round Flow cassette

Comfortable airflow

360° airflow with improved temperature distribution.



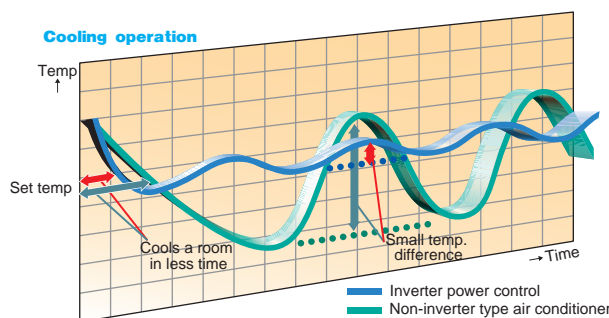
Comfortable

Enhanced comfort with Inverter

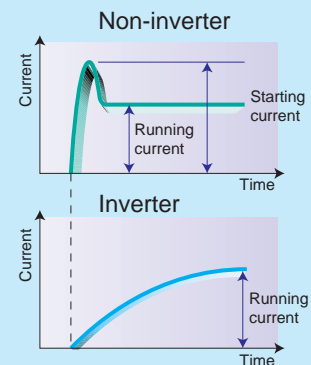
Inverter performs variable control of frequency, which determines air conditioner's power performance.

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.



Soft starter is unnecessary, making electrical installation work much simpler.



At startup, inverter raises frequency smoothly, eliminating the starting current spike.

Compact

Compact and lightweight

	50/60KB, 71KC	100/125/140KC	100/125/140HA
Height(mm)	770	1,170	1,345
Width(mm)	900		
Depth(mm)	320		
Weight (kg)	68	98	108



SkyAir Range

"NavEase" Wired Remote Controller

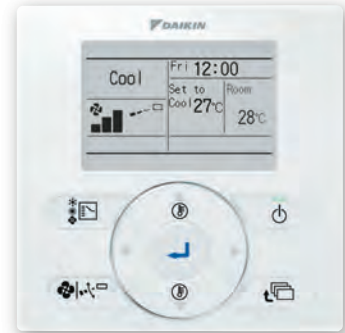
Clear Display

- Dot matrix display
- Backlight display

Simple operation

- Large buttons and arrow keys
- Guide on display

NEW



Wired Remote Controller
BRC1E62

Energy saving

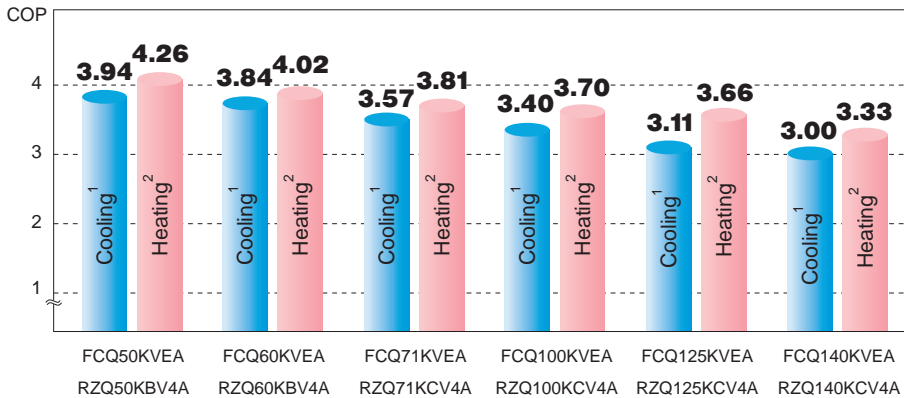
- NEW** • Setpoint range set
- NEW** • Setpoint auto reset
- Off timer (programmed)

Convenience

- Weekly schedule
- Multilingual display

Energy Efficient

Complies with MEPS



What is COP

(Coefficient of Performance)

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.

Note :

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

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.

RZQ50/60KB
RZQ71KC
RZQ100KC/100HA
RZQ125KC/125HA
RZQ140KC/140HA

Sound level ³ (dB(A))	
Rated ⁴	Night Quiet Mode
48	
48	44
49	45
50	45
50	46

Note : 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.

Uniform 360° airflow cassette air conditioner is setting tomorrow's standards.



Heat pump
FCQ50K/60K/71K/100K/125K/140K

ROUND FLOW



Accessory required for indoor unit

Wired LCD remote controller



"Nav Ease"
BRC1E62

Note: Remote controller cable not included. Cables must be procured locally.

Option

Wireless LCD remote controller

A signal receiver must be added to the indoor unit.



BRC7F632F



Signal receiver unit
(Installed type)

Wireless remote controller and signal receiver unit are sold as a set.

Features

Comfort				Remote controller			Cleanliness	Work & Servicing				Control features				Options	Others																
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●																
Auto swing	Swing pattern selection	Draft prevention function (heating)	Switchable fan speed (2 step)	Programme "Dry"	High ceiling application	Two selectable temperature sensors	Hot start (after defrost)	Year-round cooling applicable	Night quiet operation	Setpoint auto reset	Setpoint range set	Weekly schedule timer	Off timer (programmed)	Anti-bacterial air filter	Silver ion anti-bacterial drain pan	Drain pump mechanism	Pre-charged for up to 30 m	Filter sign	Ceiling soiling prevention	Low gas pressure detection	Emergency operation	Self-diagnosis function	Auto-restart	Auto-cooling/heating change-over	Control by 2 remote controllers	Group control by 1 remote controller	External command control	Central remote control	Interlock control	DII-NET communication standard	High-efficiency filter	Fresh air intake kit	Anti-corrosion treated heat exchangers

*1 Applicable when wired remote controller is used

*2 For the outdoor units

Avoids uneven temperature and discomfort caused by drafts.

Comfort enhanced by Round Flow!

360 airflow

- With uniform temperature distribution



Airflow distribution creates uniform comfort throughout the space

Air movement is gentle with Round Flow

- Enhanced Comfort



360 airflow can maintain comfort even if air discharge speed is lower.

If you raise the set temperature by 1 to 1.5°C in cooling (and lower in heating), and velocity is decreased by 25%, you still obtain the same feeling temperature and comfort.

Adapts easily to the installation space.

- As air flows out from corner outlets, comfort spreads more evenly.

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

All-round flow	3-way flow	L-shaped 2-way flow	Opposite 2-way flow
(E.g., installed in middle of ceiling) 4-way flow also possible.	(E.g., installed near a wall)	(E.g., installed in a corner)	(E.g., installed in a long room)

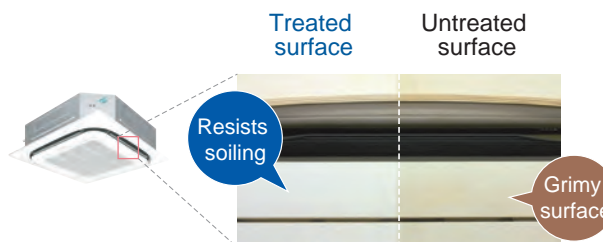
Note: Whatever the discharge direction, the same type of panel is used. If installing for other than all-round flow, an air discharge outlet sealing material (option) must be used to close each unused outlet.

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

Grime prevention and bactericidal coating: Makes cleaning easier.

External panels are treated with a coating that helps to repel dirt.

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



• Condition after exposure to the smoke of 600 cigarettes in 1 m³ enclosed space.

- Silver ion anti-bacterial drain pan

Mould-proof drain pan includes a silver ion antibacterial agent that assists in preventing the growth of slime, bacteria, and mould that cause smells and clogging.

- Non-flocking flaps

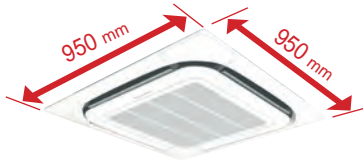
Condensation does not easily form on and dirt does not cling to non-flocking flaps. It is easy to clean.

- Filter has anti-mould and bactericidal treatment

Helps prevent mould and microorganisms growing out of the dust and moisture that adheres to the filters.

Unified square panels **Compact body and quiet operation**

- Panel size is the same for all models, FCQ50-140K. It is easy to maintain a neat appearance when multiple units are installed in the same room.



Same for all models

Indoor unit	dB(A)	
	High	Low
50K	35	28
60K	35	28
71K	35	28
100K	43	32
125K	44	34
140K	44	36

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

Optimal comfort and convenience assured by air discharge modes

Note: Air direction is set to the standard position when the unit is shipped from the factory. The position can be changed from the remote controller.

Air direction	Standard setting	Setting to prevent soiling of ceiling*
Desired situation	Standard setting to prevent draft.	Recommended for shops with light coloured ceilings that must be kept spotless.
Auto-swing	Auto-swing between 15° and 60°	Auto-swing between 25° and 60°
5-levels air direction setting	Settable to 5 different levels between 15° and 60°	Settable to 5 different levels between 25° and 60°
Draft prevention (In heating mode)	At heating startup and thermo OFF, air discharge is 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 set automatically to the memorised position of the previous air direction.	

*Closing of the corner discharge outlets is recommended.

Suitable for high ceilings

Even in spaces with high ceilings, a comfortable airflow is carried down to the floor level.

- Criteria for ceiling height and number of air discharge outlets (Ceiling height is reference value)

		Number of air discharge outlets used							
		50K-71K				100K-140K			
		All round flow	4-way flow	3-way flow	2-way flow	All round flow	4-way flow	3-way flow	2-way flow
Ceiling height	Standard	2.7 m	3.1 m	3.0 m	3.5 m	3.2 m	3.4 m	3.6 m	4.2 m
	High ceiling ①	3.0 m	3.4 m	3.3 m	3.8 m	3.6 m	3.9 m	4.0 m	4.2 m
	High ceiling ②	3.5 m	4.0 m	3.5 m	—	4.2 m	4.5 m	4.2 m	—

Note: Factory settings are for standard ceiling height and all-round flow. High ceiling settings (1) and (2) are set with the remote controller by field setting.

Two selectable temperature-sensors

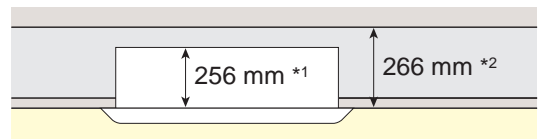
Both indoor unit and wired remote controller (option (BRC1E62)) contain temperature-sensors. Temperature sensing can be set at the unit or, to further improve comfort level, closer to the target area at the wired remote control. This feature requires initial setting by the installer.

*Temperature-sensor on indoor unit must be used when the air conditioner is controlled from another room. **Wireless remote controller does not have a temperature-sensor.

- Hot start (after defrost)
- Switchable fan speed: High/Low

Quick and easy to install

- Just 256 mm high. Installable in tight ceiling spaces (50K-71K)



*1 298 mm high with 100K-140K
*2 308 mm high with 100K-140K

Easy height adjustment

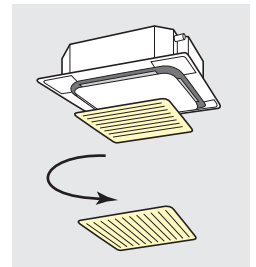
Each corner of the unit has an Adjuster Pocket that lets you easily adjust the unit's suspended height.

Note: If the wireless remote control option is installed, a light receptor unit is housed in one of the adjuster pockets.

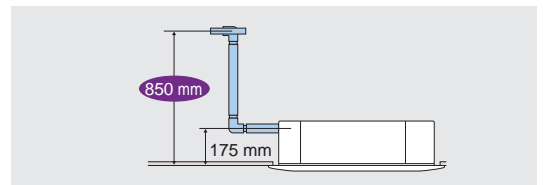
- All models can be installed without using lifter because of the light weight.

Can be installed in any direction

Since the orientation of the intake grill can be adjusted after installing, the direction of the intake grill lines can be unified when multiple units are installed.



- Drain pump is equipped as standard accessory with 850 mm lift.



Transparent drain socket

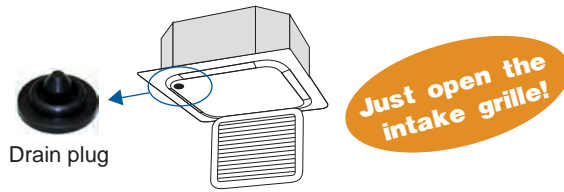


- Connection to a centralised control system is available, no need for option card.

- Low gas pressure detection

Easier to maintain

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



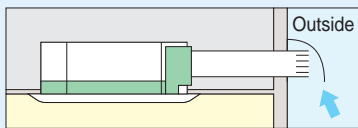
Options required for specific operating environments

High-efficiency filter

Available in two types: 65% and 90% colorimetry.

Fresh air intake kit

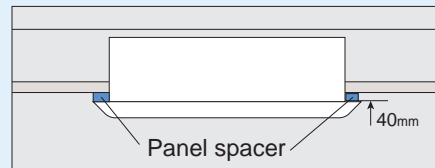
Using this kit, a duct can be fitted to increase the intake of outdoor air.



Note: *Connecting ducts, insect nets, fire dampers, air filters, and other parts should, as required, be procured locally.
 **Outside Air fan interlocked with air conditioning unit is necessary. Optional PCB(KRP1C63)is required for interlocking.
 ***It is recommended that the volume of outdoor air introduced through the kit is limited to 10% of the maximum airflow rate of the indoor unit. Introducing higher quantities will increase the operating sound and may also influence temperature sending.

Panel spacer

Use when only minimal space is available between drop ceilings and ceiling slabs.



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

Sealing material of air discharge outlet

Sealing material block air discharge openings not used in 2-way or 3-way blow.

Branch duct (direct-connection round duct)

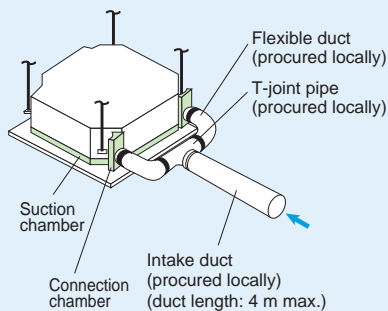
A round duct can be attached without the need for a chamber. A flanged port for direct connection of a round duct is provided. An existing branch duct chamber can also be fitted (square slit hole).

The units can be installed in the following different ways.

Chamber type

(without T-joint pipe and fan)

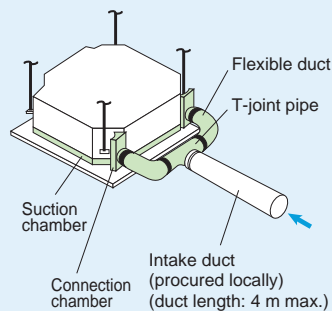
KDDP55B160



Chamber type

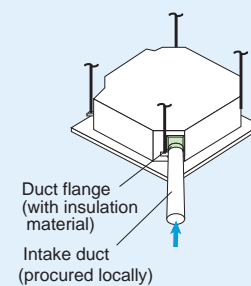
(with T-joint pipe and without fan)

KDDP55B160K



Direct installation type

KDDP55X160



Note: Use of options will increase operating sound.