

DAIKIN

Solutions 360°

WORLD'S NO. 1
AIRCONDITIONING COMPANY FROM JAPAN

MAXIMUM DESIGNS.
MINIMUM RUNNING COST.



INDEX

About Daikin	01
The Daikin Difference	02
Our Timeline	04
Daikin India at a Glance	06
Application of the Product	08
Inverter Series	09
Non-Inverter Series	24
Outdoor Units	40
Controllers	48
Function Line-up	52
Specifications	54

5,135 sq mtr

**STATE-OF-THE-ART R&D
CENTRE AT NEEMRANA,
RAJASTHAN**

140+

**COUNTRY
PRESENCE**



DAIKIN, **THE WORLD LEADER IN AIR- CONDITIONING**

**BRINGS A WORLD FULL
OF LOVE TO INDIA WITH
ITS AIR-CONDITIONING
SOLUTIONS.**

Known for superior Japanese technology, Daikin promises to spread joy in the air. With a wide range and features like never before, Daikin creates an environment of comfort through efficient air-conditioning. Daikin air-conditioners are manufactured keeping in mind different air-conditioning needs and also space requirements. Our wide range of air-conditioners are easy to install and are apt for residential and commercial usage.

Solutions 360°
Catering to all
light commercial
air-conditioning needs
with Daikin's flagship
products.

01

THE DAIKIN DIFFERENCE

As a world leader in technological innovation, we've initiated and funded a wide range of research programmes in areas that directly impact our air-conditioners - ranging from mechanics and electronics to chemicals and fluorocarbons. With this knowledge, we build absolute comfort into every product we develop. Pioneering products include the first packaged air-conditioner in Japan 1951 and the world's first Variable Refrigerant Volume (VRV) system in 1982. Daikin is committed to explore and adopt cutting-edge technology to continually offer value-added and solution-based products and services to customers.

02

THE LOGO



The triangle shape represents the integration of three technological areas (mechanics, chemistry and electronics), while the upper left direction of the triangle symbolises Daikin's innovative spirit that aspires toward the future. The two blue colours (corporate colours) used in the corporate logo and the triangle design element benefit Daikin's emphasis on intellect and brightness. Black expresses strength, a sense of positive presence and stability.

03

In all of us,
a green heart



ENVIRONMENTAL PHILOSOPHY

In February 2002, we created an environmental symbol for the Daikin Group. In environmental protection activities, little efforts that individuals make add up to big things. The symbol, the Earth in the shape of a green heart, represents a determination on the part of each and every employee of Daikin to think green (think of the Earth and take care of the environment).

As we continue developing our business operations in various fields, it is our mission to proactively develop initiatives to respond to environmental issues. Incorporating environmental initiatives throughout our management must be a priority for us.

In all aspects of our business operations, including product development, manufacturing and sales, we need to formulate initiatives that sustain and improve the environment. Meanwhile, we need to promote the development of new products and the innovation of technologies that will lead to a more environmentally healthy world.

04

PICHONKUN



A mascot that represents Daikin's innovative thrust into the future is called 'PICHONKUN'. The new mascot of Daikin is so named because of the sound it makes. Created in Japan, this dew droplet represents the 'fresh as morning nature' of Daikin's new range of air-conditioners and air purifiers. PICHONKUN symbolises the best of nature-fresh, natural and eco-friendly.

OUR TIMELINE 1924-2012

1924 

Akira Yamada founds the Osaka Kinzoku Kogyosho Limited Partnership.

1934 

Osaka Kinzoku Kogyo Co., Ltd. is established, with the following corporate logo: Trial manufacture of a methyl chloride type refrigerator succeeds. The refrigerator is named Mifujirator and production begins.

1936 

The Mifujirator refrigerator is delivered to Nankai Railways for trial use as Japan's first air-conditioner for trains.

1991 

Daikin America, Inc. and MDA Manufacturing, Inc. are established in the US.

1990 

Daikin Industries (Thailand) Ltd. is established in Thailand and begins production of air-conditioners.

1982 

Japan's first VRV system is developed. The industry's first single-screw refrigerator is developed.



1992 

Akira Yamada founds the Osaka Kinzoku Kogyosho Limited Partnership.

1993 

Daikin Airconditioning France S.A. is established in Paris as an air-conditioning system sales company.

1995 

The industry's first compact room air-conditioner to use a swing compressor to save energy is marketed.

2009 

Acquired Japan's leading air filter company Nippon Muki Co., Ltd.



2008 

Receipt of 'Eco Products Awards' Japan's Ministry of the Environment's Minister's Prize for 'Sho-ene Toban', a building air-conditioner remote energy-saving control service.

2006 

Acquisition of major global air-conditioning manufacturer OYL Industries (Malaysia) with the aim of becoming the No. 1 air-conditioning manufacturer. Establishment of Environmental Response Department at Daikin Europe N.V. to take the lead in environmental response in the European region.

2012

Acquisition of the major American residential use air-conditioner company, Goodman, to build a solid base for positioning Daikin as the leading company in the global air-conditioner market. Launch of residential air-conditioner featuring the world's first adoption of the next generation refrigerant HFC32.

1951 >

Production of packaged air-conditioners begins.

1956 >

A heat exchanging device is installed on the Soya, an Antarctic research vessel, as a cabin heating system.

1958 >

Residential-use air-conditioners equipped with Japan's first rotary compressor are marketed. The heat-pump type packaged air-conditioner is developed.



1969 <

A multiroom air-conditioning system with a single outdoor unit is developed. A Freon heater is employed in an air-conditioner, combining heating and cooling functions.

1964 <

Cool air service by Daikin Aircon begins at J.N.R. Osaka Station. The air-conditioner system is thereafter installed in major terminals.

1963 <

Osaka Kinzoku Kogyo Co., Ltd. is renamed Daikin Kogyo Co., Ltd. (Renamed Daikin Industries, Ltd. in 1982).

1997 >

All Daikin factories in Japan (Sakai, Yodogawa, Shiga, and Kashima) acquire ISO 14001 certification for environmental management. Presented 32nd Chairman's award by the Japan Society for the promotion of the machine industry for Daikin Swing Compressor.

1998 >

The Institute of Electrical Engineers of Japan presented the award to Daikin for the first scroll compressor to be equipped with the Reluctance DC motor. Room air-conditioners employing the R-410A refrigerant are marketed. Daikin Airconditioning Germany GmbH is established in Munich as an air-conditioning system sales company.

1999 >

Daikin Airconditioning Central Europe GmbH is established in Austria as an air-conditioning system sales company.



2003 <

Daikin is ranked 1st in market share of residential use air-conditioners in Japan throughout the fiscal year of 2003.

2002 <

Received the 11th Annual Grand Prize for the Global Environment presented by the NikkanKogyo Shimbun.

2001 <

Established a company for the manufacture and sale of swing compressors in Bangkok, Thailand, called Daikin Compressor Industries Ltd.

DAIKIN INDIA AT A GLANCE

Daikin Airconditioning India Pvt. Ltd., a subsidiary of Daikin Industries Ltd., Japan is one of the leading global manufacturers of both residential and commercial air-conditioning systems. Backed by the superior technology, the organisation offers a wide range of energy-efficient air-conditioning solutions to customers.

After introducing our superior air-conditioning solutions in India in the year 2000, we gained the trust of our valuable customers with our innovative range of products and dedication towards quality. An ISO 14001 certified company, we remain committed to keep customers at the core of everything we do. Imbued with a 'Quality First' global philosophy, we at Daikin, walk on to realise our dream for a better world.

'Quality First' is clearly reflected in the value delivered such as low noise level, low power consumption, cooling efficiency, ease of installation, high reliability – all targeted to improve the quality of life.

Daikin India's manufacturing plant at Neemrana, Rajasthan aims at creating products that will make people's lives more comfortable.

It is supported by a network of production bases worldwide and showcases the application of advanced technology and equipment. Our comprehensive quality control system features centrally computerised management of quality and production data to facilitate timely production that bears the stamp of excellent quality.

Daikin Neemrana facility incorporates Daikin's global Environmental Management System (EMS) that has been implemented in the factory to promote adapting procedures for refrigerant handling, resource conservation and waste management.

DAIKIN INDIA SNAPSHOTS

2000-2016

2000 >

Daikin enters the Indian market in a JV with Usha Shriram Group at 80:20 stakes respectively as Daikin Shriram Airconditioning.

2002 >

Daikin introduces VRV technology in India.

2004 >

Daikin India becomes a wholly owned subsidiary of Daikin Industries Ltd., Japan.



2009 <

Production commences at manufacturing plant in Neemrana, Rajasthan.

2008 <

Groundbreaking ceremony of Daikin India's manufacturing base at Neemrana, Rajasthan.

2007 <

Daikin India relocates HQ to Gurgaon and commences business of McQuay chillers in India.



2010 >

Fresh round of ₹ 250 crore investment. Thus taking it to a total of ₹ 743 crore.

2012 >

Production of High Wall Split air-conditioners with R-32 refrigerant commences.

2013 >

Fresh round of ₹ 330 crore investment.



2015

MoU signed with Rajasthan government for ₹ 600 crore investment

₹ 60 crore investment for Research & Development Centre to be opened next year

APPLICATION OF THE PRODUCT

01 RETAIL



Versatility and control are the keys to create a comfortable condition within trading areas and changing rooms that will keep customers shopping. It's important to select a system that offers excellent performance, while minimising operating costs and energy consumption.

The challenge for an office or bank is the ability to effectively heat or cool open plan areas as well as meeting rooms. Cooling a meeting room when it is empty will mean running costs mount up unnecessarily. Conditions within open-plan areas are important for staff comfort levels.

OFFICES/BANKS 02



03 IT & SERVER ROOMS



Computer systems run round the clock and require a controlled temperature environment to operate effectively. Equipment in these rooms can generate a lot of heat and not removing the heat effectively can cause computer servers to malfunction. Downtime from inoperable servers can mean lost business and productivity.

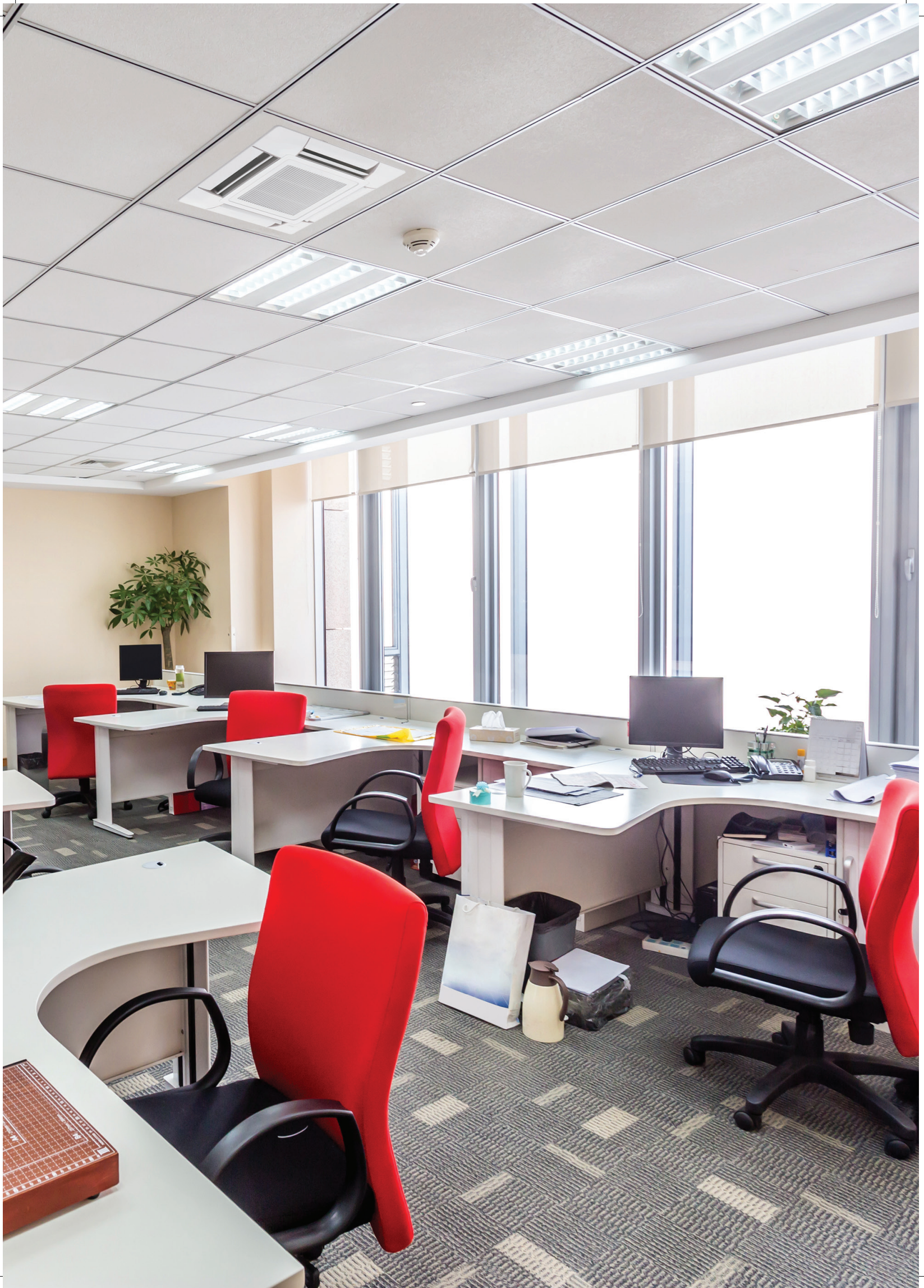
RESTAURANTS 04


Guests expect a perfect atmosphere, including comfortable conditions. Heat generated from lighting, the kitchen area and the dining area can all contribute to make restaurants uncomfortable with inadequate air-conditioning. Air-conditioning needs to be discreet and flexible to meet the demands of your restaurant and customers.





INVERTER SERIES





COMPACT MULTI FLOW CEILING MOUNTED CASSETTE TYPE

FFQ SERIES

Cooling only & Heat Pump

FFQ SERIES

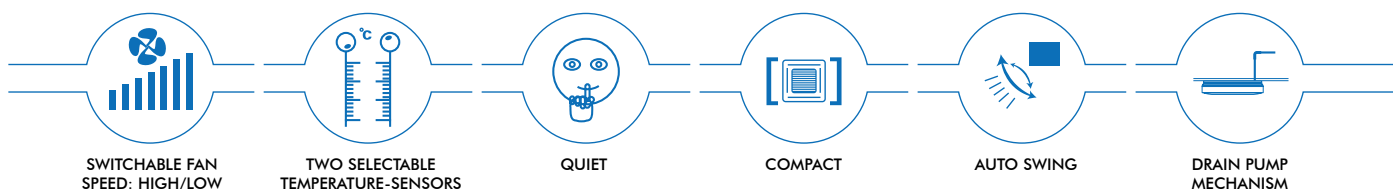
Cooling Only & Heat Pump



R-410A



Quiet, décor-blending form and easy installation in new or old buildings.




FFQ25B~60B (COOLING ONLY)	2.5 KW ~ 5.8 KW	COOLING
FFQ25B~60B (HEAT PUMP)	2.5 KW ~ 5.8 KW	COOLING
	3.2 KW ~ 7.0 KW	HEATING

ACCESSORY REQUIRED FOR INDOOR UNIT

WIRED LCD REMOTE CONTROLLER WITH WEEKLY SCHEDULE TIMER

Standard

BRC1D61




Note: Standard for both Cooling Only and Heat Pump models. Remote controller cable not included. Cables must be procured locally.

WIRED LCD REMOTE CONTROLLER

Option

BRC1C61



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


WIRELESS LCD REMOTE CONTROLLER

Option


A signal receiver must be added to the indoor unit.

BRC7E531W
(Cooling Only)

BRC7E530W
(Heat Pump)



SIGNAL RECEIVER UNIT
(Installed type)




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

NAVIGATION REMOTE CONTROLLER

Option

BRC1E62
(Wired Remote Controller)



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

1 TR (Tons of Refrigeration) = 3.517 kW

FEATURES

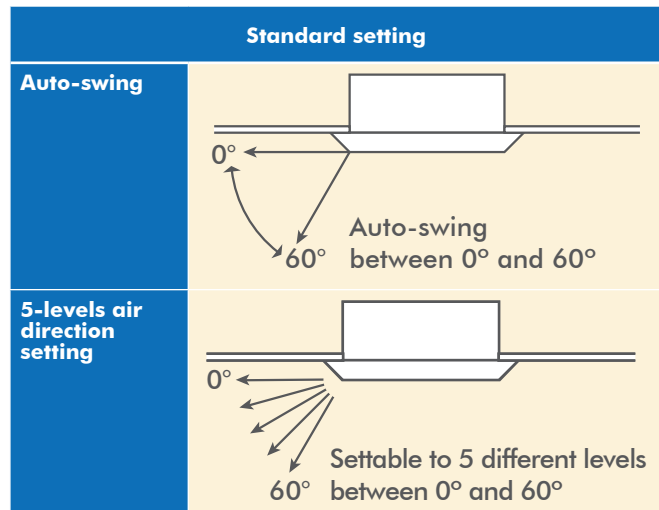
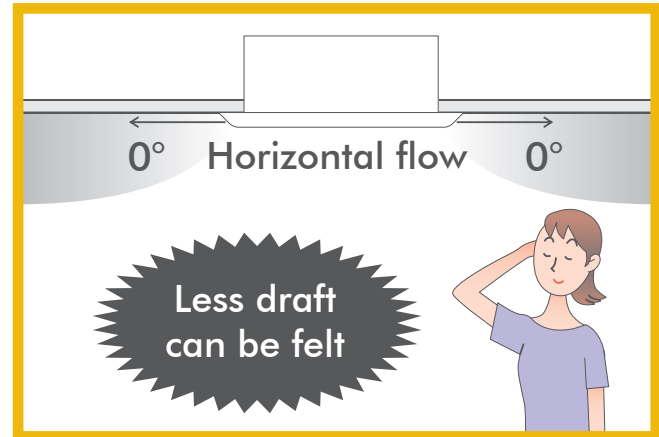
	Feature	Cooling Only	Heat Pump
Comfort	Auto swing	•	•
	Swing pattern selection	•	•
	Draft prevention function	•	•
	Switchable fan speed	•	•
	Programme 'Dry'	•	•
	Two selectable temperature-sensors	*1	*1
	Hot start	—	•
	Year-round cooling applicable	•	•
	Timer selector	•	•
Mould Prevention	Mould-resistant treatment for filter	•	•
Work & Servicing	Drain pump mechanism	•	•
	Pre-charged for up to 10 m	•	•
	Filter sign	•	•
	Emergency operation	•	•
	Self-diagnosis function	•	•
Control features	Auto-restart	•	•
	Auto-cooling/heating change-over	—	•
	Control by 2 remote controllers	•	•
	Control by 1 remote controller	•	•
	External command control	•	•
	Central remote control	•	•
	Interlock control	•	•
Option	Fresh air intake kit	•	•
	Long-life filter	•	•
Others	PE fin (for outdoor unit)	•	•

*1 Applicable when wired remote controller is used

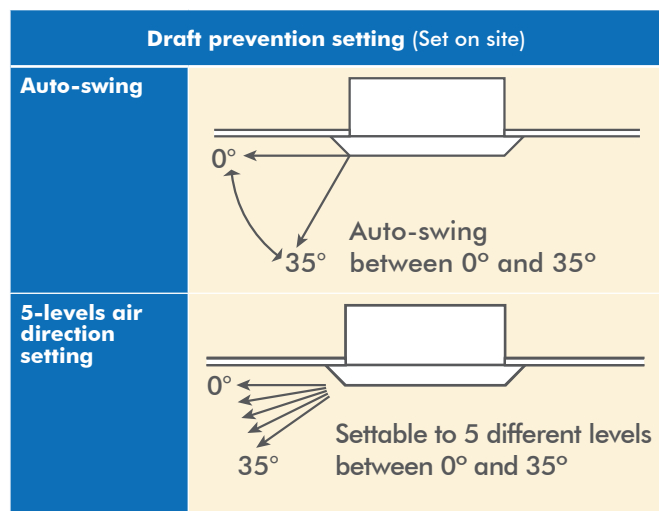
COMFORT

• AUTO SWING AND DRAFT PREVENTION FUNCTION

- Designed for low draft performance.
- Consistent comfort throughout.
- Auto-swing operation distributes conditioned air more evenly.
- Airflow angle can be adjusted in accordance with room conditions.

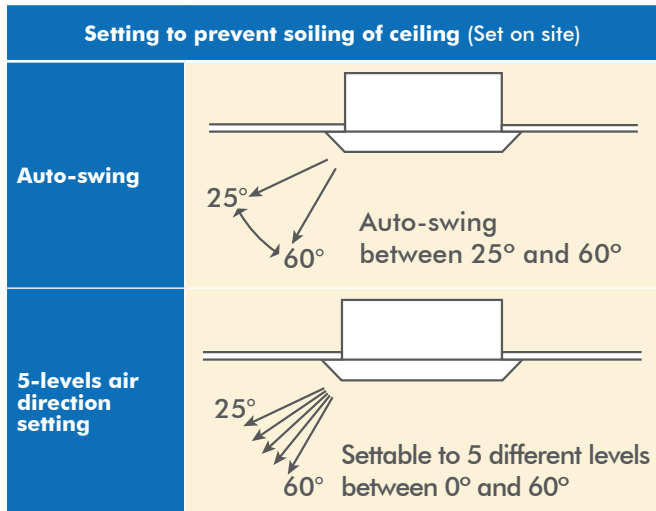


Note: This angle above is provided as a guide. It may differ depending on the installation site.



Note: This angle above is provided as a guide. It may differ depending on the installation site.

FFQ SERIES (Contd.)



Note: This angle above is provided as a guide. It may differ depending on the installation site.

- SWITCHABLE FAN SPEED: HIGH/LOW**
 High setting provides maximum reach while low setting minimises drafts.
- 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)**
 Uncomfortable cold air draft is avoided when heating operation starts or when switching to heat after defrosting.
- QUIET**
 Quiet, small-diameter fan.
 Quiet operation has been achieved even with a compact body and developed spiral hub cover that reduces the static pressure inside the indoor unit.

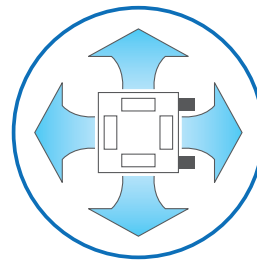


INDOOR UNIT	dB(A)	
	HIGH	LOW
25B	29.5	24.5
35B	32	25
50B	36	27
60B	41	32

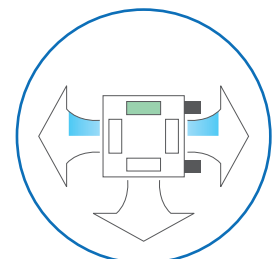
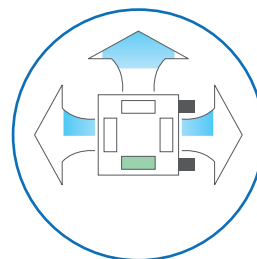
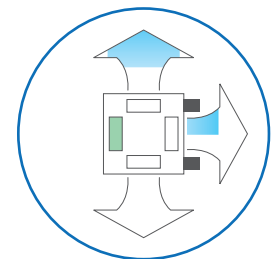
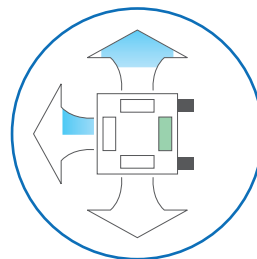
Note: Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

• MULTI-FLOW SYSTEM

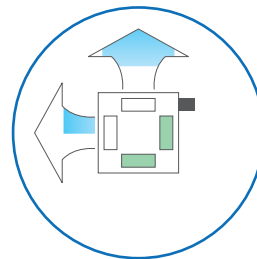
4-WAY BLOW (1 PATTERN)



3-WAY BLOW (4 PATTERN)



2-WAY BLOW (1 PATTERN)



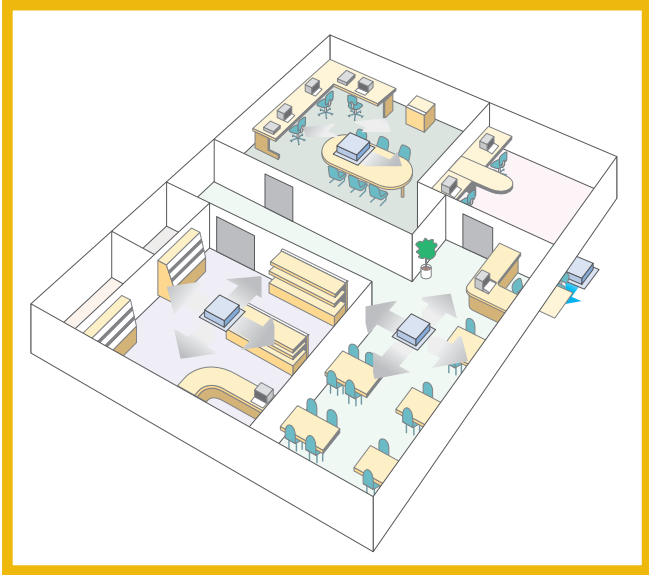
"■" denotes piping direction.

"■" drain piping

"■" denotes sealing member for air discharge outlet (option).

Note: For 3-way or 2-way flow installation, the sealing member for air discharge outlet (option) must be used to close off the unused outlet(s).

- **AIR DIRECTION CAN BE SELECTED ACCORDING TO INSTALLATION**

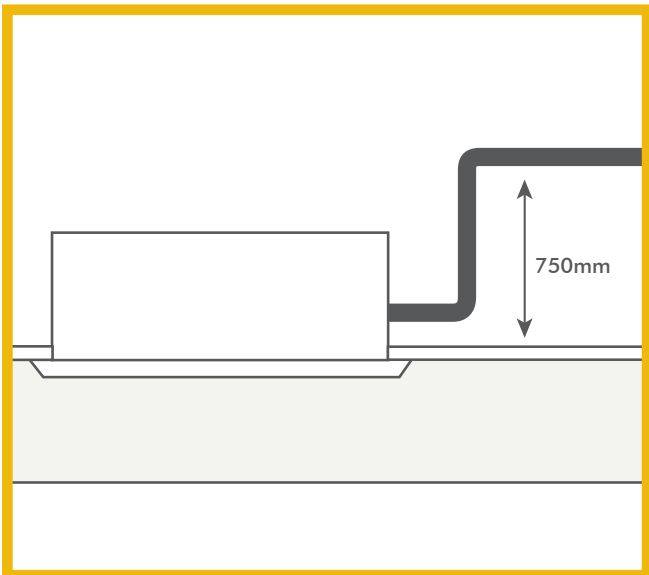


Note: Operation sound increases when using 2-way or 3-way flow.

WORK & SERVICING

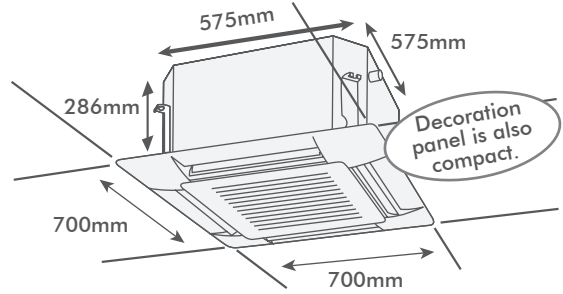
- **DRAIN PUMP MECHANISM**

Drain pump is equipped as standard accessory with 750 mm lift.

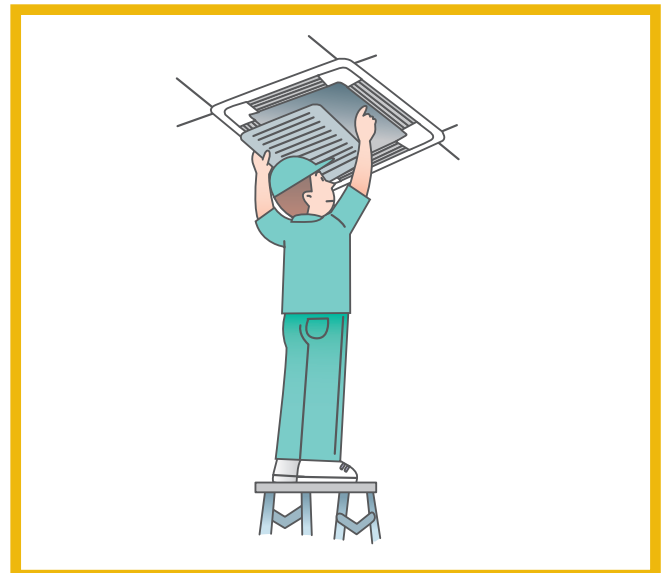
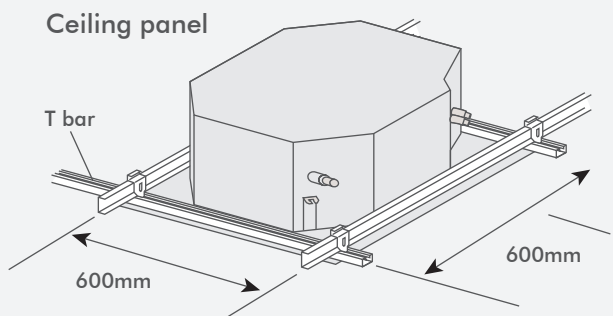


- **COMPACT**

Sized to fit inside 600 mm wide ceiling grids.



Fits without the need to cut T-bar grid.



The switch box is built in to the unit, so maintenance is possible by simply removing the grill. An inspection opening is not required even for modules other than 600 mm x 600 mm.





ROUND FLOW CEILING MOUNTED CASSETTE TYPE

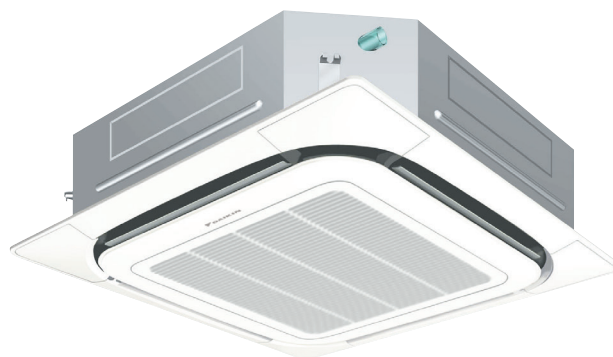
FCQ SERIES
Cooling only & Heat Pump

FCQ SERIES

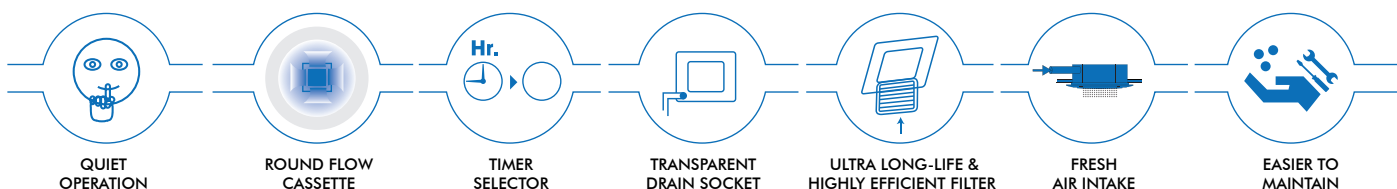
Cooling Only & Heat Pump



R-410A



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



FCQ50~140 (COOLING ONLY)	5.0 KW ~ 14.0 KW	COOLING
FCQ71~140 (HEAT PUMP)	7.1 KW ~ 13.6 KW	COOLING
	8.0 KW ~ 16.0 KW	HEATING

ACCESSORY REQUIRED FOR INDOOR UNIT

WIRED LCD REMOTE CONTROLLER

Standard

BRC1C61
(Cooling Only)

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



WIRED LCD REMOTE CONTROLLER WITH WEEKLY SCHEDULE TIMER

Standard

BRC1D61
(Heat Pump)

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



WIRELESS LCD REMOTE CONTROLLER

Option

A signal receiver must be added to the indoor unit.

BRC7F633F
(Cooling Only)

BRC7F632F
(Heat Pump)



SIGNAL RECEIVER UNIT
(Installed type)



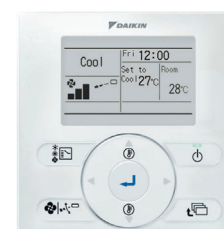
Wireless remote controller and signal receiver unit are sold as a set.

NAVIGATION REMOTE CONTROLLER

Option

BRC1E62
(Wired Remote Controller)

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



1 TR (Tons of Refrigeration) = 3.517 kW

FEATURES

	Feature	Cooling Only	Heat Pump
Comfort	Auto swing	•	•
	Swing pattern selection	•	•
	Draft prevention function	—	•
	Switchable fan speed (2 step)	•	•
	Programme 'Dry'	•	•
	High ceiling application	•	•
	Two selectable temperature-sensors	*1	*1
	Hot start (after defrost)	—	•
	Year-round cooling applicable	—	•
	Night quiet operation	*2	*2
	Timer selector	•	•
	Weekly schedule timer	*3	*3
	Cleanliness	Anti-bacterial air filter	•
Silver ion anti-bacterial drain pan		•	•
Work & Servicing	Drain pump mechanism	•	•
	Pre-charged for up to 30 m	*2	*2
	Long-life filter	•	•
	Filter sign	•	•
	Ceiling soiling prevention	•	•
	Low gas pressure detection	*2	*2
	Emergency operation	•	•
Self-diagnosis function	•	•	
Control features	Auto-restart	•	•
	Auto-cooling/heating change-over	—	•
	Control by 2 remote controllers	•	•
	Control by 1 remote controller	•	•
	External command control	•	•
	Central remote control	•	•
Option	High-efficiency filter	•	•
	Ultra long-life filter	•	•
	Fresh air intake kit	•	•
Others	Anti corrosion treated heat exchangers	*2	*2

*1 Applicable when wired remote controller is used

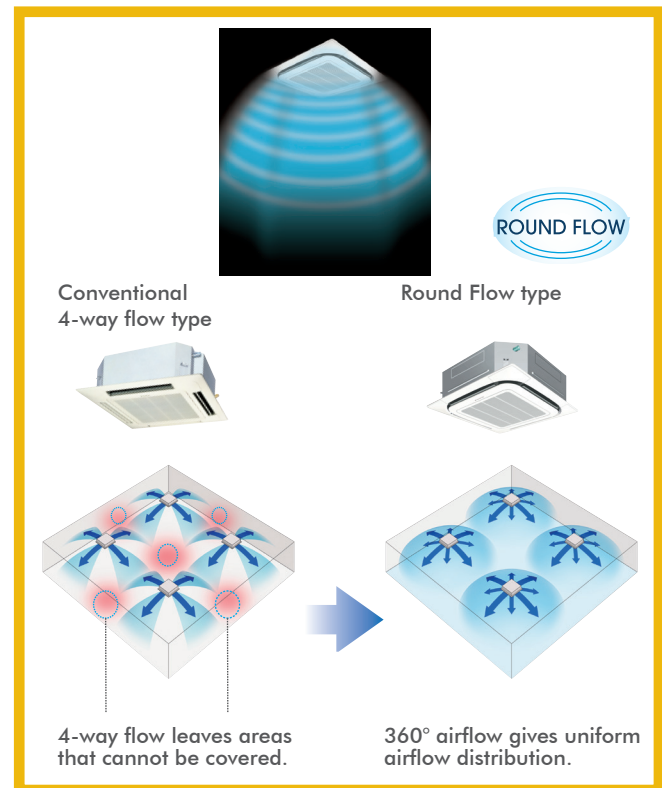
*2 For outdoor units.

*3 Applicable when BRC1D61 or BRC1E62 is used.

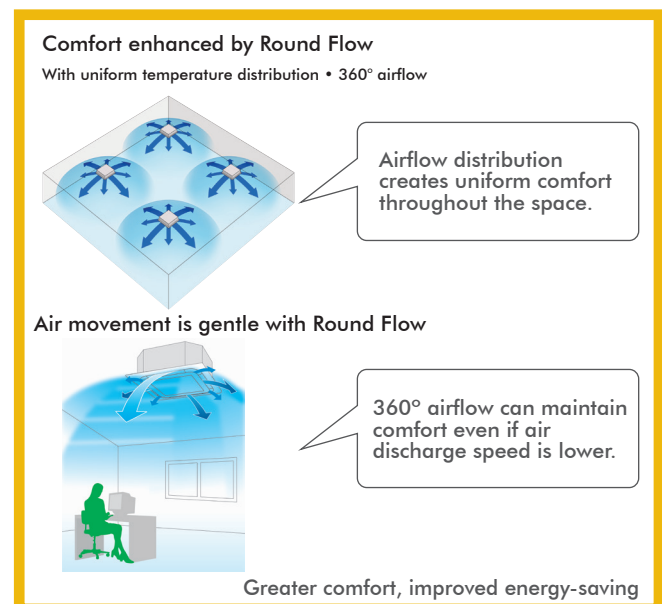
COMFORT

• ROUND FLOW CASSETTE

- Comfortable airflow: 360° airflow with improved temperature distribution.



• AVOIDS NON-UNIFORM TEMPERATURE AND DISCOMFORT CAUSED BY DRAFTS



If you raise the set temperature by 1°C to 1.5°C, and velocity is decreased by 25%, you will still obtain the same temperature and comfort.

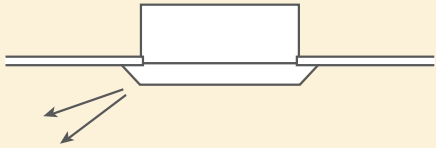
FCQ SERIES (Contd.)

• 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.

Blow direction	Desired situation
Standard setting	Standard position to prevent draft.
Setting to prevent soiling of ceiling*	Recommended for shops with light coloured ceilings that must be kept spotless.

* Closing of the corner discharge outlets is recommended

Blow direction	Auto blow direction control
Standard setting	 <p>The last discharge direction is saved in memory and automatically set the next time the unit is turned ON.</p>
Setting to prevent soiling of ceiling*	

* Closing of the corner discharge outlets is recommended

• SUITABLE FOR HIGH CEILINGS

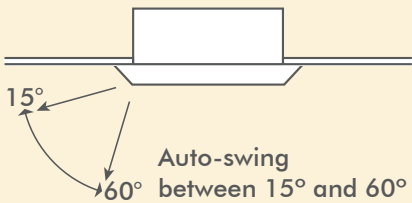
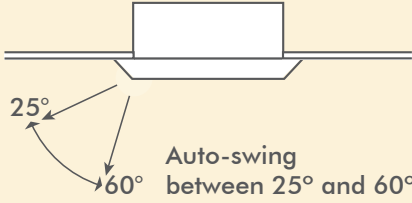
• CRITERIA FOR CEILING HEIGHT AND NUMBER OF AIR DISCHARGE OUTLETS

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

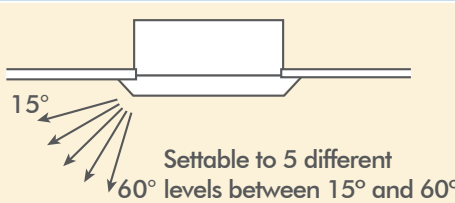
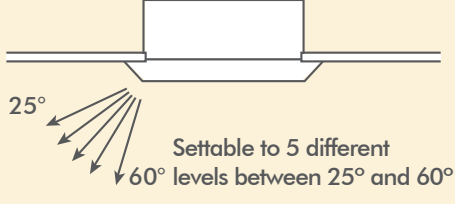
Note: Factory settings are for standard ceiling height and all-round flow. High ceiling settings (1) and (2) are set with the remote controller.

• ADAPTS EASILY TO THE INSTALLATION SPACE

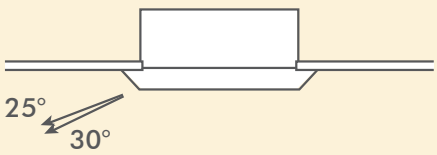
- As air flows out from corner outlets, comfort spreads more widely.

Blow direction	Auto-swing
Standard setting	 <p>Auto-swing between 15° and 60°</p>
Setting to prevent soiling of ceiling*	 <p>Auto-swing between 25° and 60°</p>

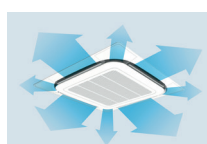
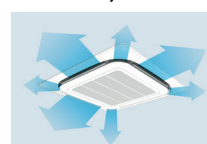

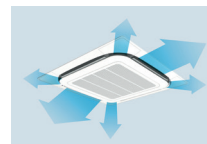
* Closing of the corner discharge outlets is recommended

Blow direction	Blow direction can be set to 5 levels
Standard setting	 <p>Settable to 5 different 60° levels between 15° and 60°</p>
Setting to prevent soiling of ceiling*	 <p>Settable to 5 different 60° levels between 25° and 60°</p>

* Closing of the corner discharge outlets is recommended

Blow direction	Draft prevention (In heating mode)
Standard setting	 <p>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.</p>
Setting to prevent soiling of ceiling*	

* Closing of the corner discharge outlets is recommended

TYPICAL FLOW PATTERNS	THERE ARE A TOTAL OF 23 FLOW PATTERNS
<p>All-round flow</p>  <p>(E.g., installed in middle of ceiling)</p>	<p>3-way flow</p>  <p>(E.g., installed near a wall)</p>
4-WAY FLOW ALSO POSSIBLE	
THERE ARE A TOTAL OF 23 FLOW PATTERNS	
<p>L-shaped 2-way flow</p>  <p>(E.g., installed in a corner)</p>	<p>Opposite 2-way flow</p>  <p>(E.g., installed in a long room)</p>
4-WAY FLOW ALSO POSSIBLE	

Note: Whatever the discharge direction, the same type of panel is used. If installing (other than all-round flow) an air discharge outlet, sealing member (option) must be used to close each unused outlet. Operation sound increases when using 2-way or 3-way flow.

• **TWO SELECTABLE TEMPERATURE-SENSORS**

Both indoor unit and wired remote controller (option) 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)**

Uncomfortable cold air draft is avoided when heating operation starts or when switching to heat after defrosting.

• **SWITCHABLE FAN SPEED: HIGH/LOW**

High setting provides maximum reach while low setting minimises drafts.

• **TIMER SELECTOR**

Operation starts when the preset time of the ON timer elapses and stops when the preset time of the OFF timer elapses.

• **COMPACT BODY AND QUIET OPERATION**

dB(A)

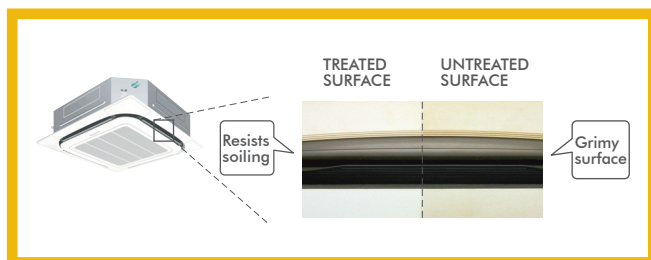
INDOOR UNIT	HIGH	LOW
50	35	28
60	35	28
71	35	28
100	43	32
125	44	34
140	44	36

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

CLEANLINESS

• **EXTERNAL PANELS ARE TREATED WITH A COATING THAT REPELS DIRT**

- Grime prevention and bactericidal coating makes cleaning easier. To 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.

• **Bactericidal treatment for drain pan**

Anti-bacterial treatment, that includes silver ions, is used to prevent the growth of microorganisms that cause odour and clogging.

• **Non-flocking horizontal louvres**

Dew does not easily form and dirt does not cling to non-flocking louvres. It is easy to clean.

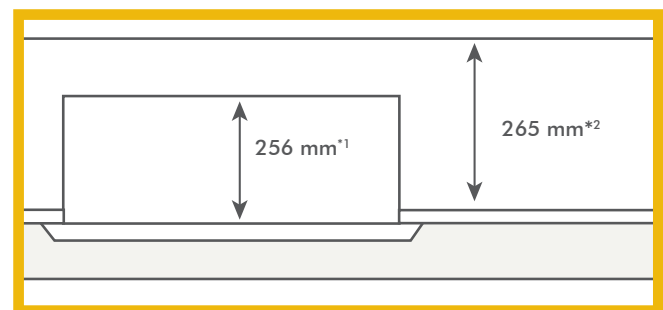
• **Filter has anti-mould and bactericidal treatment**

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

WORK & SERVICING

• **QUICK AND EASY TO INSTALL**

- Just 256 mm high. Can be installed in tight ceiling spaces (50-71).



Note: *1 298 mm high with 100-140
*2 303 mm high with 100-140

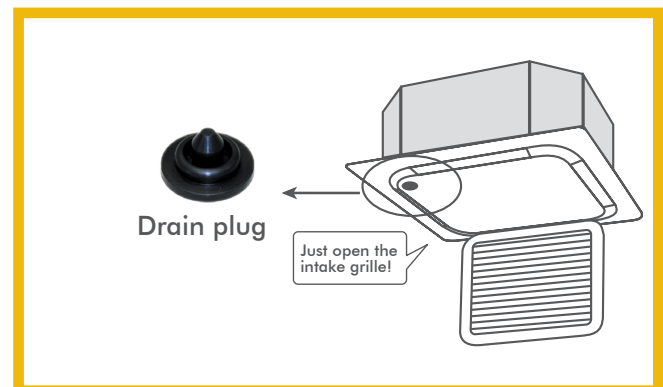
• **EASY HEIGHT ADJUSTMENT**

- 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.

• **EASIER TO MAINTAIN**

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

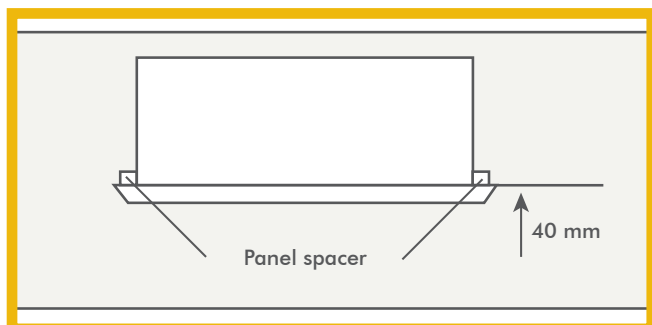


With ultra long-life filters (option), maintenance is not required in normal shops or offices for up to four years.

FCQ SERIES (Contd.)

• PANEL SPACER

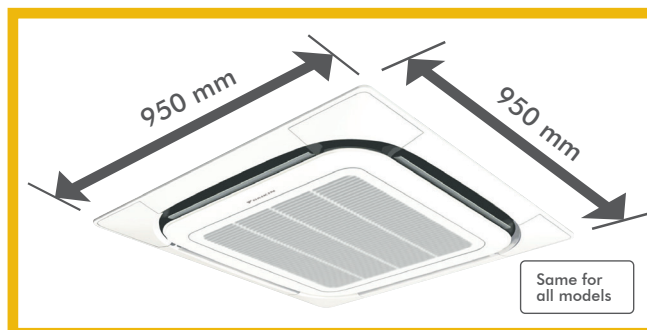
Use when only minimal space is available between drop ceilings and ceiling slabs.



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

• UNIFIED SQUARE PANELS

Panels are same size as FCQ50-140. Maintains a neat appearance where multiple units are installed.



• 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 install 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 (o) indicates compatibility, and a cross (x) indicates incompatibility. Any options not shown below are not suitable for independent or accessory installation appearance where multiple units are installed.

ALL ROUND FLOW 4-WAY FLOW

Independently installable optional parts	Optional accessory parts	Panel Spacer ¹	Wireless remote controller	Fresh air intake kit (Chamber type) ^{1,2}	Fresh air intake kit (direct mount)	High-humidity operation kit	High-efficiency filter ²	Ultra-long-life filter ²
Panel/grille related	Panel spacer ¹		o	o	o	o	o	o
Operation control related	Wireless remote Controller	o		o	o	o	o	o
Auxiliary function related	Fresh air intake kit (Chamber type) ^{1,2}	o	o		x	x	o	o
	Fresh air intake kit (direct mount)	o	o	x		o	o	o
	High-humidity operation kit	x	o	x	o		x	o
Filter related	High-efficiency filter	o	o	o	o	x		x
	Ultra-long-life filter	o	o	o	o	x	o	

3WAY FLOW 2-WAY FLOW

Independently installable optional parts	Optional accessory parts	Panel Spacer ¹	Wireless remote controller	Fresh air intake kit (Chamber type) ^{1,2}	Fresh air intake kit (direct mount)	High-humidity operation kit	High-efficiency filter ²	Ultra-long-life filter ²
Panel/grille related	Panel spacer ¹		o ³	o ³	o ³	o	o	o ³
Operation control related	Wireless remote Controller	o ³		o	o	o	o	o
Auxiliary function related	Fresh air intake kit (Chamber type) ^{1,2}	o ³	o		x	x	o	o
	Fresh air intake kit (direct mount)	o ³	o	x		o	o	o
	High-humidity operation kit	x	o	x	o		x	o
Filter related	High-efficiency filter	o ³	o	o	o	x		x

BRANCH DUCT CONNECTION

Independently installable optional parts	Optional accessory parts	Panel Spacer ¹	Wireless remote controller	Fresh air intake kit (Chamber type) ^{1,2}	Fresh air intake kit (direct mount)	High-humidity operation kit	High-efficiency filter	Ultra-long-life filter
Branch duct ¹ (Chamber type) (Round duct type)	1-way branch / unit 3-way flow	o	o	o	o ⁴	x	x	o
	2-way branch / unit 2-way flow	x		o	o ⁴	x	x	o
	1-way branch / unit 2-way flow	x	o		o ⁴	x	x	o

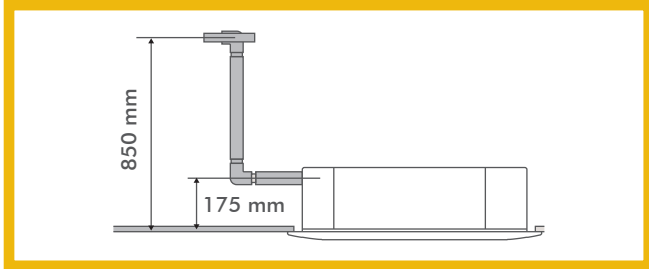
¹In some cases, depending on how the unit is embedded in the ceiling, use of branch ducts and fresh air intake kits may not be possible. Before starting installation work make sure to check whether or not joint installation is possible. In particular, ensure that the lower fixing position caused by the addition of panel spacers is acceptable.

²Use a chamber connection kit if two different types of optional chambers are used together. In this case, the fresh air intake kit must be installed in the upper position.

³It is not possible to use panel spacers in a 2-way flow installation.

⁴It is not possible to install a branch duct on the same side to which a fresh air intake kit (direct mount) is installed.

- **DRAIN PUMP IS EQUIPPED AS A STANDARD ACCESSORY WITH 850 MM LIFT**



- **TRANSPARENT DRAIN SOCKET**

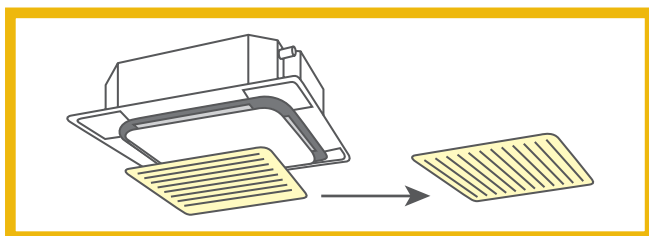
Because the drain socket is transparent, after the drain piping has been installed, it is easy to check if the drain comes out through the socket.



- **EASIER CONNECTION WITH CENTRALISED CONTROL SYSTEM**

- **ALL MODELS SUSPENDED WITHOUT LIFT INSTALLED IN ANY DIRECTION**

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



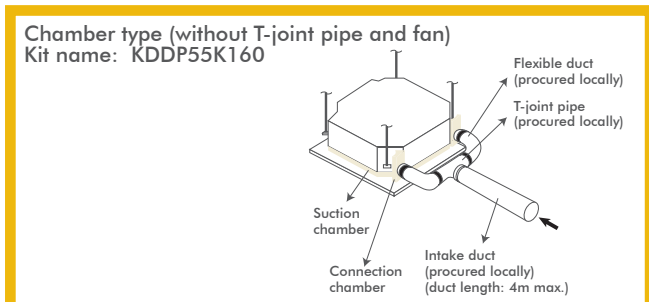
- **SEALING MEMBER OF AIR DISCHARGE OUTLET**

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

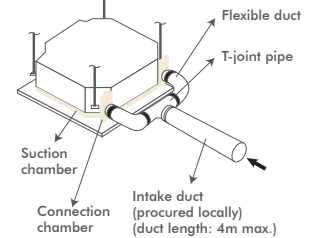
- **BRANCH DUCT (DIRECT-CONNECTION ROUND DUCT)**

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).

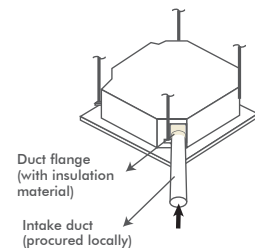
The units can be installed in the following different ways



Chamber type (with T-joint pipe and without fan)
Kit name: KDDP55K160K



Direct installation
Kit name: KDDP55X160



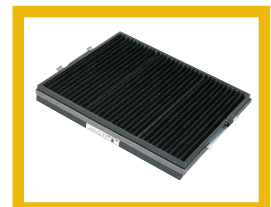
OPTIONS

Options required for specific installation environments

- **ULTRA LONG-LIFE FILTER**

Even in smoky environments where the air-conditioner is switched on most of the time, the ultra long-life filter only has to be changed once a year.

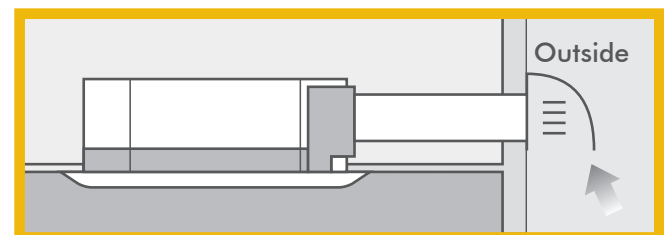
Smoky atmosphere: annual filter change.
*For dust concentration of $0.3\text{mg}/\text{m}^3$
(Requires separately sold Air Cleaner.)
One year (Approx. 5,000 hr) = 15 hr/day x 28 day/month x 12 month/year. In ordinary stores and offices, filter change every 4 years.
*For dust concentration of $0.15\text{mg}/\text{m}^3$
four years (Approx. 10,000 hr) = 8 hr/day x 25 day/month x 4 years.



- **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 noise and may also influence temperature setting.



- **HIGH-EFFICIENCY FILTER**

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





NON INVERTER SERIES





ROUND FLOW CEILING MOUNTED CASSETTE TYPE

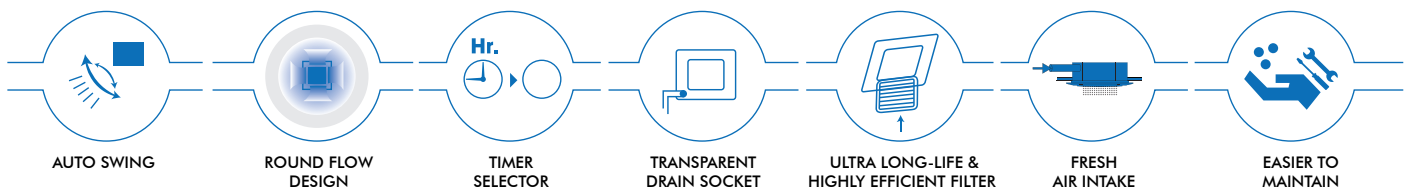
FCNQ SERIES
Cooling only

FCNQ SERIES

Cooling Only



360° radial airflow pattern creates improved and uniform air distribution.



FCNQ18~48 (COOLING ONLY)

5.3 KW ~ 14.0 KW

ACCESSORY REQUIRED FOR INDOOR UNIT

WIRED LCD REMOTE CONTROLLER

Standard

BRC1C61
(Cooling Only)

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



WIRED LCD REMOTE CONTROLLER WITH WEEKLY SCHEDULE TIMER

Option

BRC1D61



WIRELESS LCD REMOTE CONTROLLER

Option

A signal receiver must be added to the indoor unit.

BRC7F633F
(Cooling Only)



SIGNAL RECEIVER UNIT
(Installed type)



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

NAVIGATION REMOTE CONTROLLER

Option

BRC1E62
(Wired Remote Controller)

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



1 TR (Tons of Refrigeration) = 3.517 kW

FEATURES

	Feature	Cooling Only
Comfort	Auto swing	•
	Swing pattern selection	•
	Draft prevention function	—
	Switchable fan speed (2 step)	•
	Programme 'Dry'	•
	High ceiling application	•
	Two selectable temperature-sensors	*1
	Hot start (after defrost)	—
	Year-round cooling applicable	—
	Night quiet operation	—
	Timer selector	—
	Weekly schedule timer	*3
Cleanliness	Anti-bacterial air filter	•
	Silver ion anti-bacterial drain pan	—
Work & Servicing	Drain pump mechanism	•
	Pre-charged for up to 15 m ^{*4} / 10 m ^{*5}	*2
	Filter sign	•
	Ceiling soiling prevention	•
	Low gas pressure detection	—
	Emergency operation	—
	Self-diagnosis function	—
Control features	Auto-restart	•
	Auto-cooling/heating change-over	—
	Control by 2 remote controllers	•
	Control by 1 remote controller	•
	External command control	•
	Central remote control	•
Option	Interlock control	•
	High-efficiency filter	•
	Ultra long-life filter	•
Others	Fresh air intake kit	•
	Anti corrosion treated heat exchangers	*2

*1 Applicable when wired remote controller is used

*2 For outdoor units

*3 Applicable when BRC1D61 or BRC1E62 is used

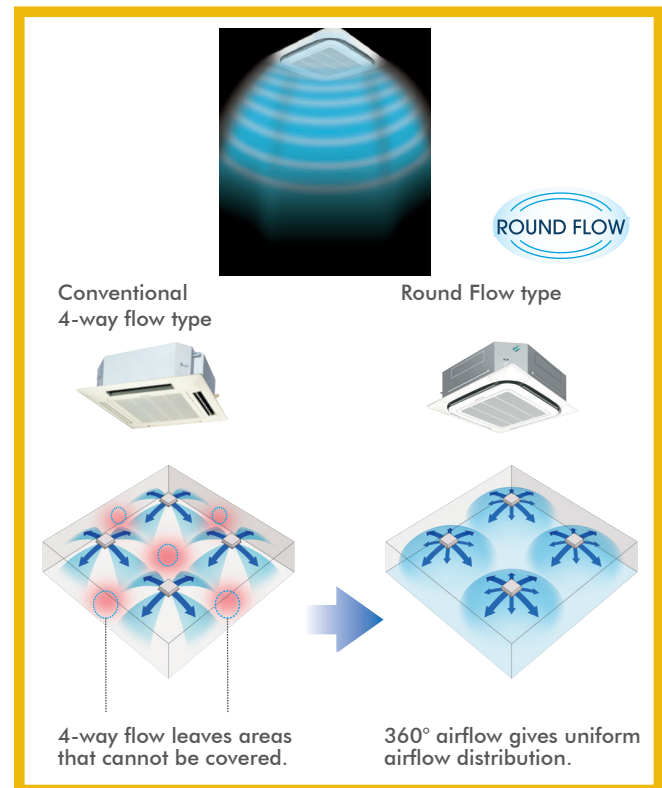
*4 Applicable to RNQ30 - 48M

*5 Applicable to RNQ18 - 26M

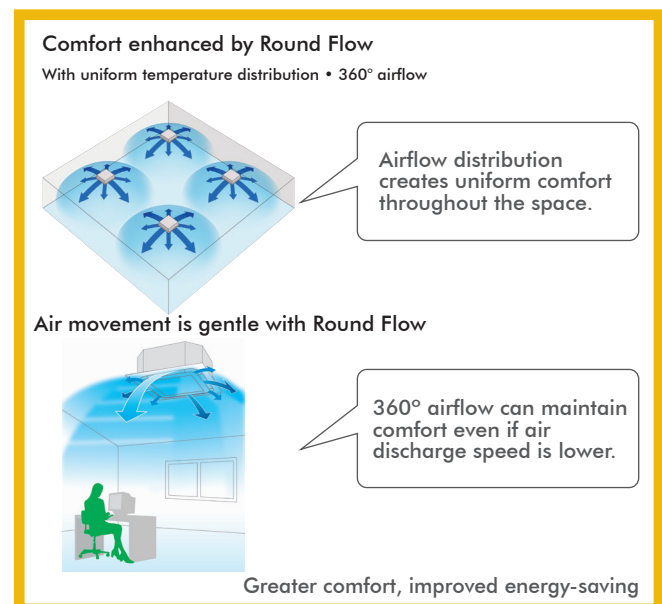
COMFORT

• ROUND FLOW CASSETTE

- Comfortable airflow: 360° airflow with improved temperature distribution.



• AVOIDS NON-UNIFORM TEMPERATURE AND DISCOMFORT CAUSED BY DRAFTS



If you raise the set temperature by 1°C to 1.5°C, and velocity is decreased by 25%, you will still obtain the same temperature and comfort.

FCNQ SERIES (Contd.)

• 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.

Blow direction	Desired situation
Standard setting	Standard position to prevent draft.
Setting to prevent soiling of ceiling*	Recommended for shops with light coloured ceilings that must be kept spotless.

* Closing of the corner discharge outlets is recommended

Blow direction	Auto-swing
Standard setting	<p>Auto-swing between 15° and 60°</p>
Setting to prevent soiling of ceiling*	<p>Auto-swing between 25° and 60°</p>

* Closing of the corner discharge outlets is recommended

Blow direction	Blow direction can be set to 5 levels
Standard setting	<p>Settable to 5 different 60° levels between 15° and 60°</p>
Setting to prevent soiling of ceiling*	<p>Settable to 5 different 60° levels between 25° and 60°</p>

* Closing of the corner discharge outlets is recommended

Blow direction	Auto blow direction control
Standard setting	
Setting to prevent soiling of ceiling*	<p>The last discharge direction is saved in memory and automatically set the next time the unit is turned ON.</p>

* 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

Number of air discharge outlets used	Ceiling height			
	Standard	High ceiling (1)	High ceiling (2)	
18-36	All round flow	2.7 m	3.0 m	3.5 m
	4-way flow	3.1 m	3.4 m	4.0 m
	3-wayflow	3.0 m	3.3 m	3.5 m
	2-way flow	3.5 m	3.8 m	—
42-48	All round flow	3.2 m	3.6 m	4.2 m
	4-way flow	3.4 m	3.9 m	4.2 m
	3-wayflow	3.6 m	4.0 m	4.2 m
	2-way flow	4.2 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.

• ADAPTS EASILY TO THE INSTALLATION SPACE

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

TYPICAL FLOW PATTERNS	THERE ARE A TOTAL OF 23 FLOW PATTERNS
<p>All-round flow</p> <p>(E.g., installed in middle of ceiling)</p>	<p>3-way flow</p> <p>(E.g., installed near a wall)</p>
4-WAY FLOW ALSO POSSIBLE	
THERE ARE A TOTAL OF 23 FLOW PATTERNS	
<p>L-shaped 2-way flow</p> <p>(E.g., installed in a corner)</p>	<p>Opposite 2-way flow</p> <p>(E.g., installed in a long room)</p>
4-WAY FLOW ALSO POSSIBLE	

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 member (option) must be used to close each unused outlet. Operation sound increases when using 2-way or 3-way flow.

• TWO SELECTABLE TEMPERATURE-SENSORS

Both indoor unit and wired remote controller (option) 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.

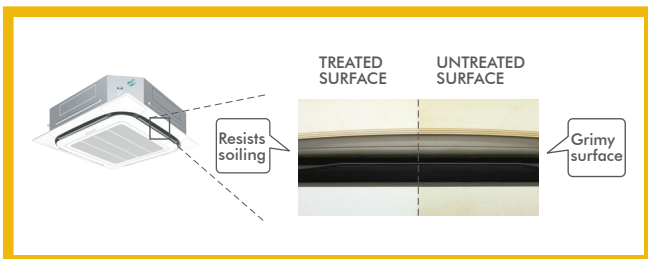
- **SWITCHABLE FAN SPEED: HIGH/LOW**

High setting provides maximum reach while low setting minimises drafts.

CLEANLINESS

- **EXTERNAL PANELS ARE TREATED WITH A COATING THAT REPELS DIRT**

- Grime prevention and bactericidal coating makes cleaning easier. To prevent dirt sticking to the external panels, they have been coated with a surface treatment.



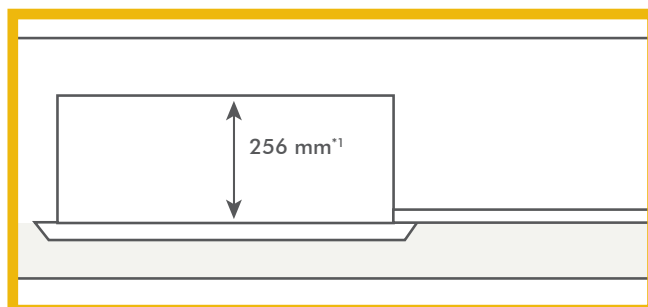
Condition after exposure to the smoke of 600 cigarettes in 1 m³ enclosed space.

- **Non-flocking horizontal louvres**
Dew does not easily form and dirt does not cling to non-flocking louvres. It is easy to clean.
- **Filter has anti-mould and bactericidal treatment**
Prevents mould and microorganisms growing out of the dust and moisture that adheres to the filters.

WORK & SERVICING

- **QUICK AND EASY TO INSTALL**

- Just 256 mm^{*1} high. Can be installed in tight ceiling spaces (18-26).



Note: *1 298 mm high with 30-48

- **EASY HEIGHT ADJUSTMENT**

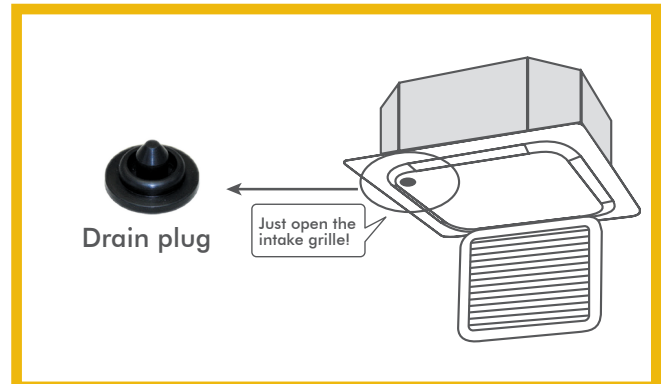
- Each corner of the unit has an Adjuster Pocket that lets you easily adjust the unit's suspended height.

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

- **EASIER CONNECTION WITH THE CENTRALISED CONTROL SYSTEM**

- **EASIER TO MAINTAIN**

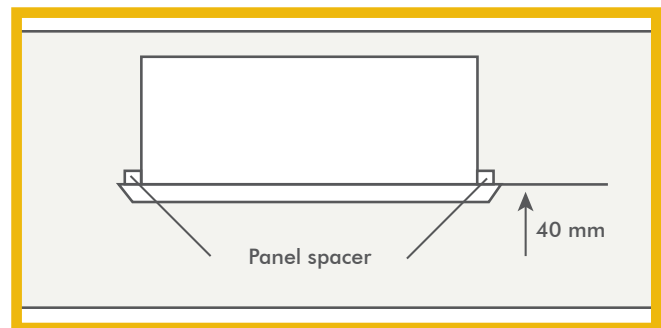
- The condition of the drain pan and drain water can be checked by removing the drain plug and intake grille.



With ultra long-life filters (option), maintenance is not required in normal shops or offices for up to four years.

- **PANEL SPACER**

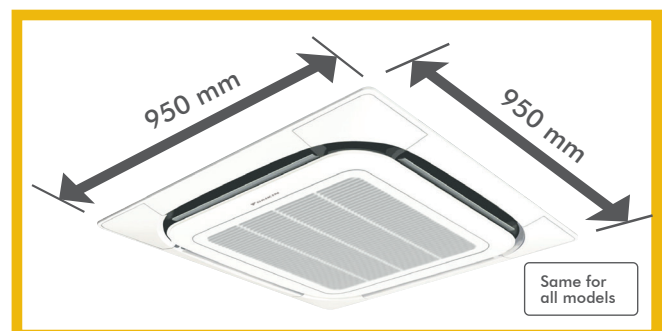
Use when only minimal space is available between drop ceilings and ceiling slabs.



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

- **UNIFIED SQUARE PANELS**

Panels are the same size as the FCNQ18-48. Maintains a neat appearance where multiple units are installed.



FCNQ SERIES (Contd.)

• 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 install 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 (o) indicates compatibility, and a cross (x) indicates incompatibility. Any options not shown below are not suitable for independent or accessory installation appearance where multiple units are installed.

ALL ROUND FLOW 4-WAY FLOW

Independently installable optional parts	Optional accessory parts	Panel Spacer ¹	Wireless remote controller	Fresh air intake kit (Chamber type) ^{1, 2}	Fresh air intake kit (direct mount)	High-humidity operation kit	High-efficiency filter ²	Ultra-long-life filter ²
Panel/grille related	Panel spacer ¹		o	o	o	o	o	o
Operation control related	Wireless remote Controller	o		o	o	o	o	o
Auxiliary function related	Fresh air intake kit (Chamber type) ^{1, 2}	o	o		x	x	o	o
	Fresh air intake kit (direct mount)	o	o	x		o	o	o
	High-humidity operation kit	x	o	x	o		x	o
Filter related	High-efficiency filter	o	o	o	o	x		x
	Ultra-long-life filter	o	o	o	o	x	o	

3WAY FLOW 3-WAY FLOW

Independently installable optional parts	Optional accessory parts	Panel Spacer ¹	Wireless remote controller	Fresh air intake kit (Chamber type) ^{1, 2}	Fresh air intake kit (direct mount)	High-humidity operation kit	High-efficiency filter ²	Ultra-long-life filter ²
Panel/grille related	Panel spacer ¹		o ³	o ³	o ³	o	o	o ³
Operation control related	Wireless remote Controller	o ³		o	o	o	o	o
Auxiliary function related	Fresh air intake kit (Chamber type) ^{1, 2}	o ³	o		x	x	o	o
	Fresh air intake kit (direct mount)	o ³	o	x		o	o	o
	High-humidity operation kit	x	o	x	o		x	o
Filter related	Ultra-long-life filter	o ³	o	o	o	x		x

BRANCH DUCT CONNECTION

Independently installable optional parts	Optional accessory parts	Panel Spacer ¹	Wireless remote controller	Fresh air intake kit (Chamber type) ^{1, 2}	Fresh air intake kit (direct mount)	High-humidity operation kit	High-efficiency filter ²	Ultra-long-life filter ²
Branch duct ¹ (Chamber type) (Round duct type)	1-way branch / unit 3-way flow	o	o	o	o ⁴	x	x	o
	2-way branch / unit 2-way flow	x	o	o	o ⁴	x	x	o
	1-way branch / unit 2-way flow	x	o	o	o ⁴	x	x	o

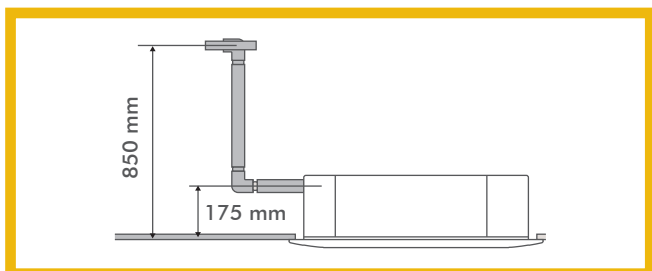
¹In some cases, depending on how the unit is embedded in the ceiling, use of branch ducts and fresh air intake kits may not be possible. Before starting installation work make sure to check whether or not joint installation is possible. In particular, ensure that the lower fixing position caused by the addition of panel spacers is acceptable.

²Use a chamber connection kit if two different types of optional chambers are used together. In this case, the fresh air intake kit must be installed in the upper position.

³It is not possible to use panel spacers in a 2-way flow installation.

It is not possible to install a branch duct on the same side to which a fresh air intake kit (direct mount) is installed.

• DRAIN PUMP IS EQUIPPED AS A STANDARD ACCESSORY WITH 850 MM LIFT



• TRANSPARENT DRAIN SOCKET

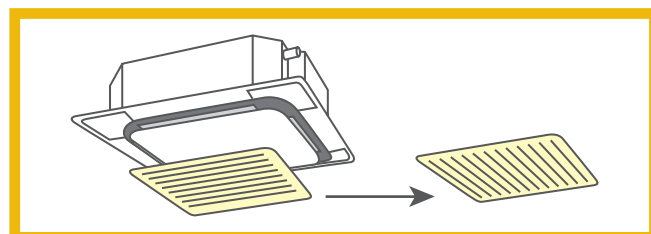
Because the drain socket is transparent, after the drain piping has been installed, it is easy to check if the drain comes out through the socket.



• EASIER CONNECTION WITH CENTRALISED CONTROL SYSTEM

• ALL MODELS SUSPENDED WITHOUT LIFT INSTALLED IN ANY DIRECTION

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



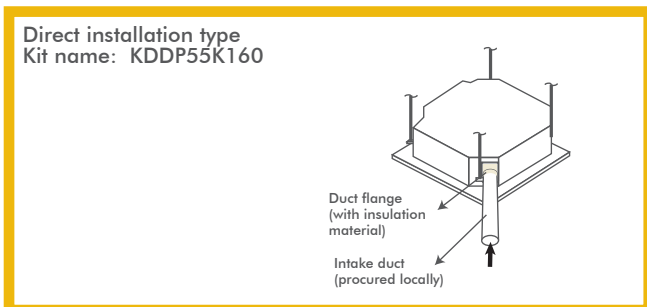
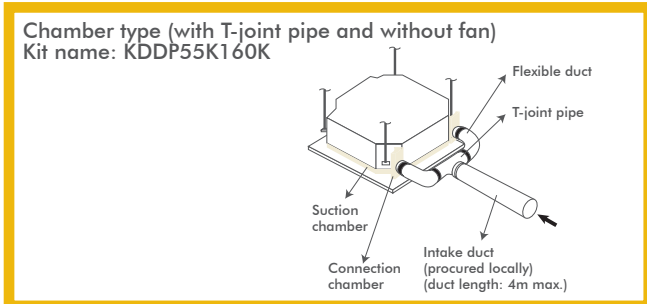
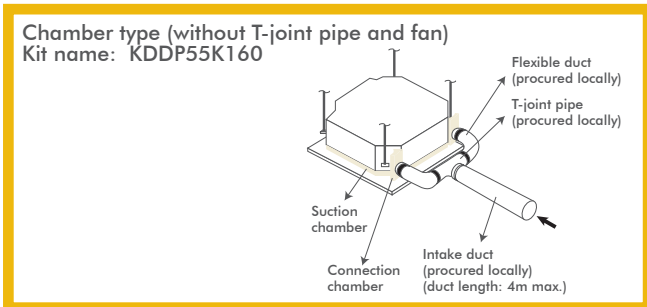
- **SEALING MEMBER OF AIR DISCHARGE OUTLET**

Sealing members 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



Note: Use of options will increase operating sound.

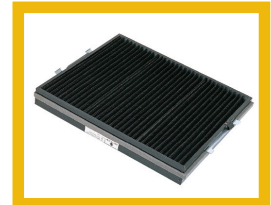
OPTIONS

Options required for specific installation environments

- **ULTRA LONG-LIFE FILTER**

Even in smoky environments where the air-conditioner is switched on most of the time, the ultra long-life filter only has to be changed once a year.

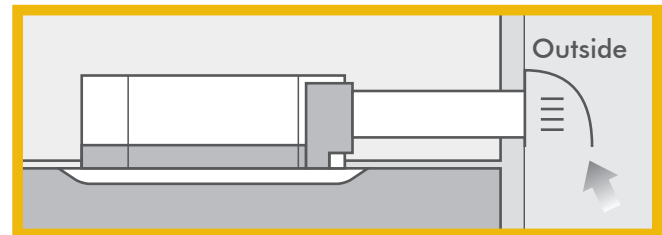
Smoky atmosphere: annual filter change.
*For dust concentration of 0.3mg/m³
(Requires separately sold Air Cleaner.)
One year (Approx. 5,000 hr) = 15 hr/day x 28 day/month x 12 month/year. In ordinary stores and offices, filter change every 4 years.
*For dust concentration of 0.15mg/m³
four years (Approx. 10,000 hr) = 8 hr/day x 25 day/month x 4 years.



- **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 noise and may also influence temperature setting.



- **HIGH-EFFICIENCY FILTER**

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





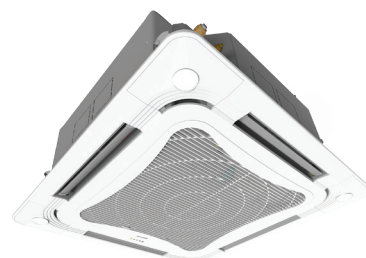
CEILING MOUNTED 3X3 CASSETTE TYPE

**FCVF A/ FCRN F/
FCQN E-SERIES**

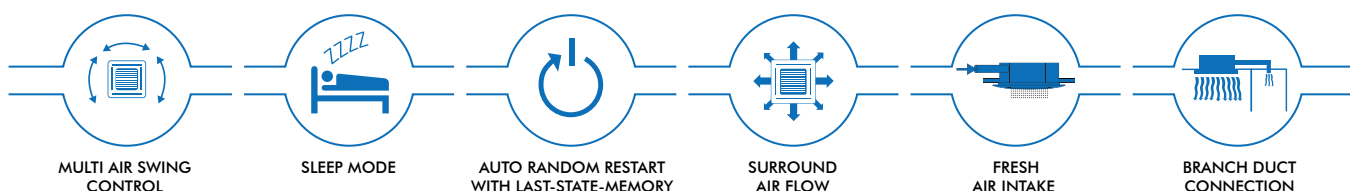
Cooling Only & Heat Pump

FCVF A/ FCRN F/ FCQN E-SERIES

Cooling Only & Heat Pump



New panel design equipped with LED lights (optional)



FCVF18~48 (COOLING ONLY)¹	5.3 KW ~ 13.3KW	COOLING R-32
FCRN50~125 (COOLING ONLY)	5.2 KW ~ 13.2KW	COOLING R-410A
FCQN50~125 (HEAT PUMP)	5.4 KW ~ 13.2 KW	COOLING
	5.2 KW ~ 14.1 KW	HEATING

1a. FCVF42 and FCVF48 do not have star ratings as BEE labelling is not applicable for 3 phase units.
1b. For the availability of FCVF30, FCVF36, FCVF42, FCVF48 please contact your nearest Daikin Channel partner.

ACCESSORY REQUIRED FOR INDOOR UNIT

WIRELESS HANDSET

Standard



BRC52B64
(Cooling Only)
with lights



BRC52A62
(Cooling Only)



BRC52A61
(Heat Only)

WIRED HANDSET

Option



BRC51A62
(Cooling Only)

BRC51A61
(Heat Pump)

1 TR (Tons of Refrigeration) = 3.517 kW

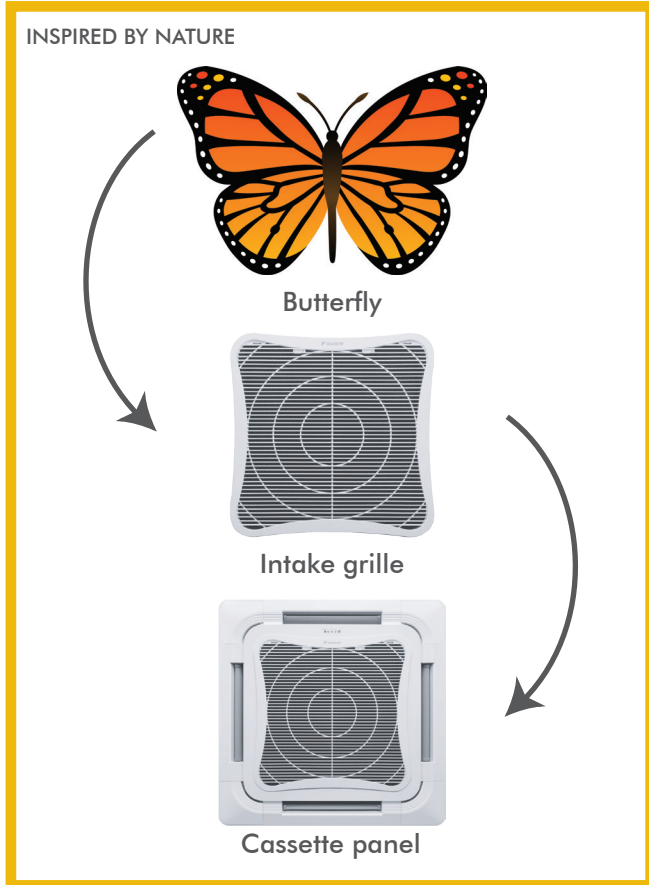
FEATURES

Feature	Cooling Only	Heat Pump
Comfort	Quiet Mode	•
	Dry Mode	•
	Auto Mode	—
	Sleep Mode	•
	Excellent Air Distribution	•
Airflow	Multi-Comfort 3 Air Swing Pattern	•
	Selectable Fan Speed	•
	Automatic Vertical Swing	•
Work & Servicing	4-Way Air Discharge	—
	8-Way Air Discharge	•
IAQ	Self Diagnosis	•
	Built-in-High Head Drain Pump	•
Fin type	Washable Saranet Filter	•
	Anti Corrosion Hydrophilic Gold Fin	•
Control features	With Wireless Remote Controller	•
	With Wired Remote Controller	*1
	Auto Random Restart	•
Power supply	Power From Outdoor	•
	Fresh Air Intake	•
Options	Branch Duct Connection	•
	Cool light panel	•

*1 Applicable when wired remote controller is used

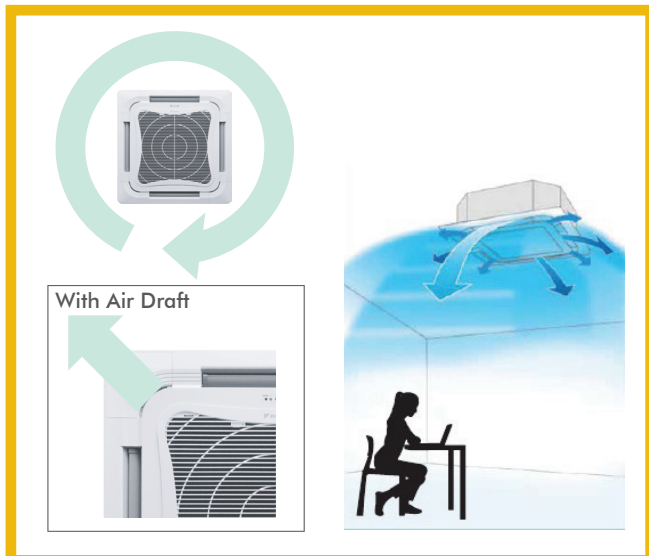
COMFORT

- **MULT-AIR SWING CONTROL**



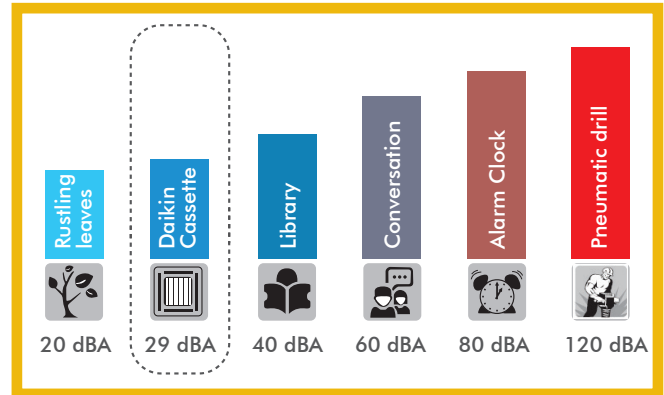
- **SURROUND AIR FLOW**

There are four additional vents for air drafts at the corners of the panel that provide enhanced air coverage. With additional feature of automatic air swing, comfortable air can be delivered to high ceiling rooms.



- **SUPERIOR SOUND LEVEL**

With the use of Daikin's latest technology turbo fan, cassette FCRN-F series is able to achieve exceptionally low noise level. Once the Quiet Mode* is enabled, indoor fan will run at the lowest speed, allowing the sound pressure level to go as low as 29dBA**.



**refer to model size 1.5TR (1.8 kW)

- **FORCED ON/OFF OPERATION**

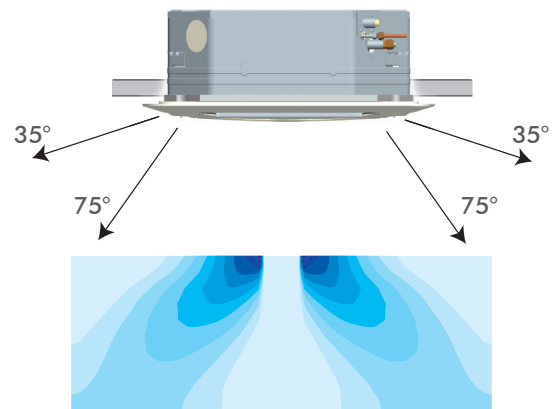
Enables to operate the unit even if the remote controller is misplaced or the remote's battery is weak. Pre-set at 24°C cool mode, just press the Forced On button for instant cooling comfort.



STANDARD SETTING

Pattern 1

Louver is set to swing at the maximum angle for gentle drafts.



FCVF A/ FCRN F/ FCQN E-SERIES (Contd.)

DRAFT PREVENTION SETTING **Pattern 2**

With the aid of Coandă effect, direct draft which may lead to discomfort can be avoided.

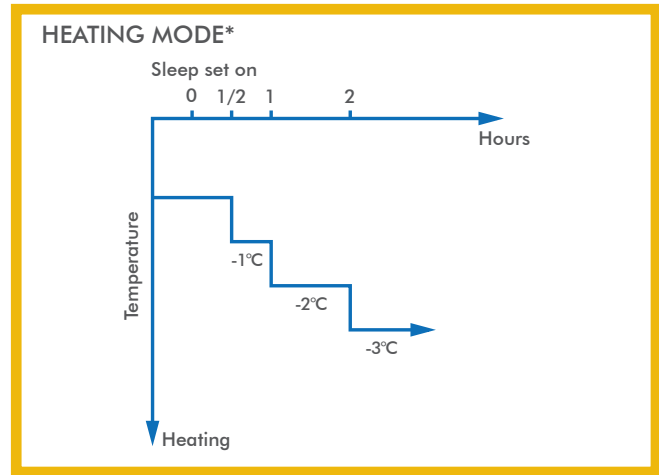
SOIL PREVENTION SETTING **Pattern 3**

Even distribution of cooling while ensuring ceiling to be kept spotless.

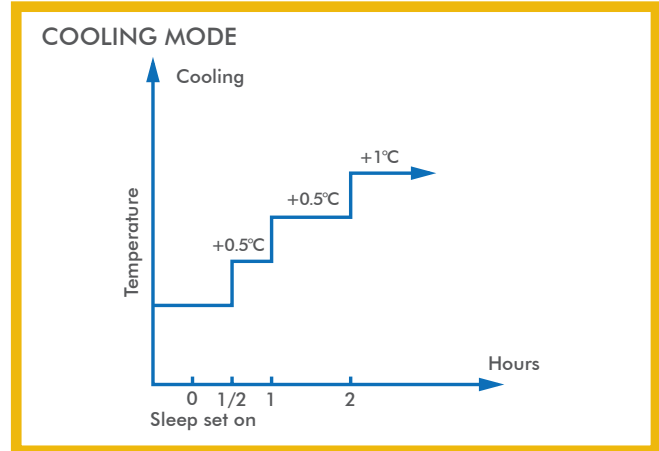
Note: 1. The default setting is pattern 1. The air swing pattern can be selected via wireless remote control 2. Applicable for Ceiling Cassette E series.

• **SLEEP MODE**

Once activated, sleep mode ensures a comfortable environment for restful sleep. Depending on the mode, set temperature is increased/decreased gradually according to normal sleeping temperature patterns.

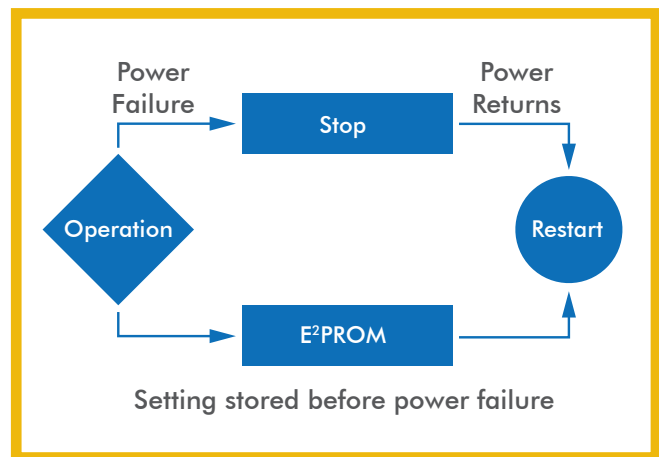


* Heat Pump models only



• **AUTO RANDOM RESTART WITH LAST-STATE-MEMORY**

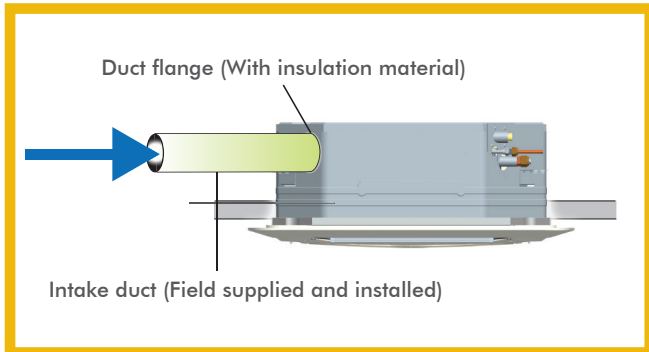
In the event of a sudden power failure during operation, unit restarts automatically in 64 different recovery timing patterns (within 180 seconds to 244 seconds) and the unit will operate based on the previous setting (operating mode, temperature setting and fan speed). This ensures that air-conditioners in the same building resume randomly instead of all units resuming at the same time, preventing power surge after a blackout.



WORK & SERVICING

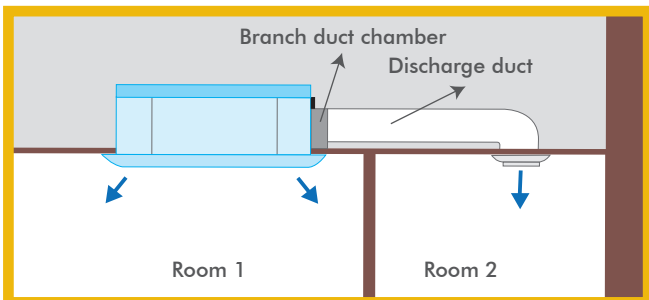
• FRESH AIR INTAKE

Keeps the introduction of fresh air intake within 20% of total air flow.



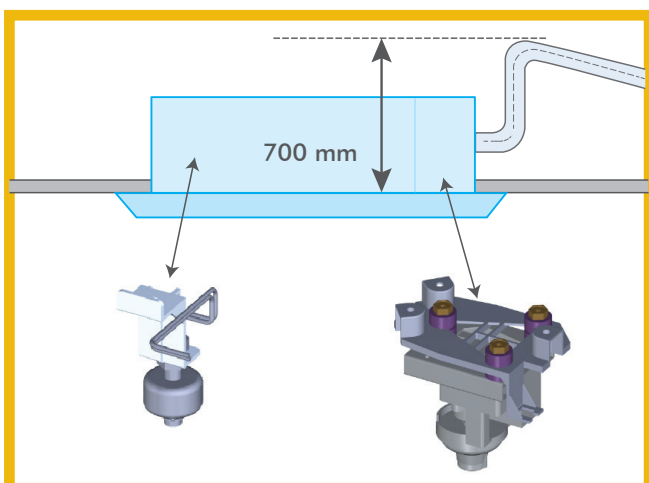
• BRANCH DUCT CONNECTION

Improves airflow distribution when there is an obstruction. It allows usage of air-conditioning for two rooms simultaneously.



• BUILT-IN HIGH HEAD DRAIN PUMP

The unit comes with a 700 mm built-in, high head drain pump. A safety float is incorporated in the drain pump to monitor its water level.







OUTDOOR UNITS

OUTDOOR UNITS

NEW COMPACT OUTDOOR UNIT - INVERTER



RZR50LVVM6
RZR60LVVM6
RZR71LVVM6



RZR100LVVM6



RZR100LUY16
RZR125LVVM6/Y16
RZR140LVVM6/Y16



RZQ71KCV4A



RZQ100KCV4A
RZQ125KCV4A
RZQ140KCV4A



RZQ100HAY4A
RZQ125HAY4A
RZQ140HAY4A

EASY INSTALLATION AND MAINTENANCE

PRE-CHARGED FOR UP TO 30 METRES.

If refrigerant piping length does not exceed 30 m, there is no need for on-site gas charging.

LONG PIPING LENGTH

Allowed refrigerant piping length and level difference

	RZR50-140LV RZQ71KC	RZQ100-140KC RZQ100-140HA
Pre-charged ¹	30 m	
Max length	50 m (Equivalent length 70 m)	75 m (Equivalent length 90 m)
Max. level difference	30 m	

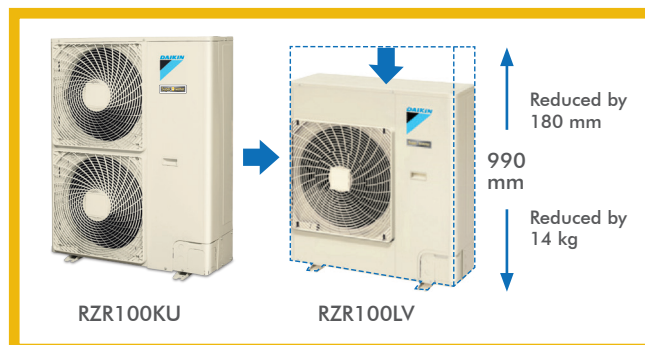
Note: ¹Additional refrigerant charging is required if the refrigerant pipe is longer than the length.

COMPACT AND LIGHTWEIGHT

Reduced installation work, thanks to light, compact outdoor unit.

COMPARISON OF OUTDOOR UNITS

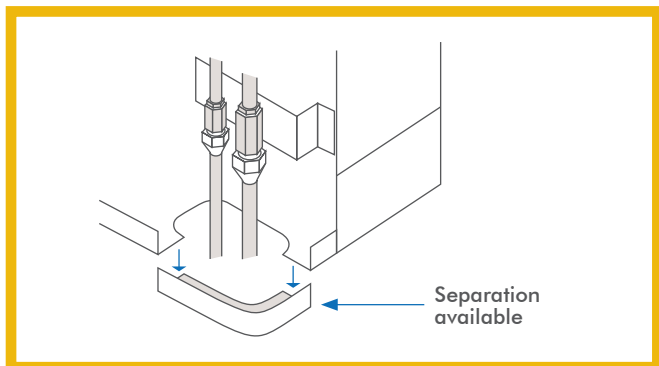
	Conventional (RZR100KU)	New (RZR100LV)
Height (mm)	1,170	990
Weight (kg)	92	78



- **4-DIRECTION PIPING OFFERS GREATER LAYOUT FREEDOM**

(Not applicable for RZR50-71)

The outer panel for the piping connection part of the front, right side and back can be removed and is easier for post-installation piping work.



- **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 the layout is modified. Pump-down function is available for pre-charged refrigerant amount.

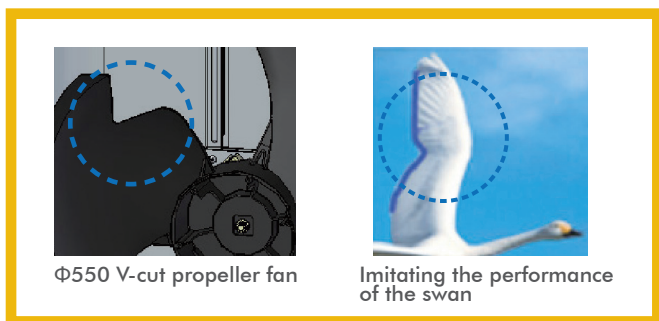
- **LOW GAS PRESSURE DETECTION FUNCTION**

Effective gas monitoring reduces the labour required for operation, maintenance and repairs.

ENERGY SAVING

(RZR50-71 only)

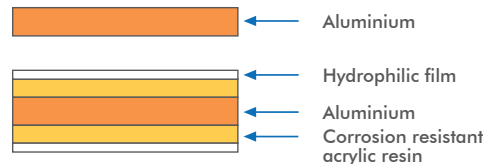
Through use of a V-cut propeller fan that imitates the efficiency of the swan, a migratory bird, airflow becomes smooth and loss is reduced.



DURABILITY

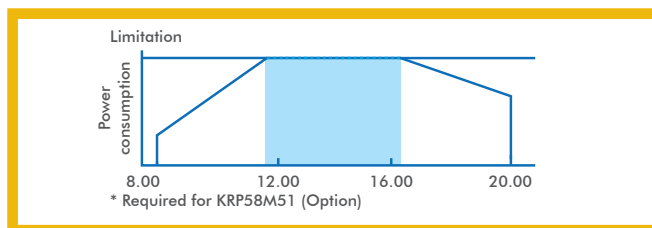
As the bottom frame is subject to corrosion, corrosion-proof galvarium steel plate is adopted to enhance durability. Heat exchange fins are provided with anti-corrosion treatment.

CONSTRUCTION NON-TREATED FIN PE FIN



DEMAND CONTROL FUNCTION

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



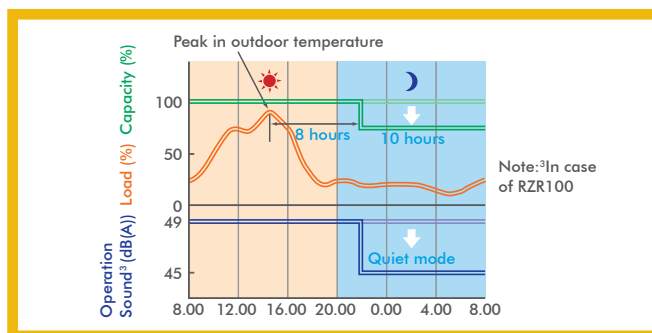
NIGHT TIME QUIET OPERATION FUNCTION

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. (By remote controller at site)

*Reducing noise will reduce capacity slightly.

Cooling only	Heat pump	Sound level ¹ (dB(A))	
		Rated ²	Night quiet mode
RZR50/60LV	-	48	44
RZR71LV	RZQ71KC	48	44
RZR100LV	RZQ100KC/100HA	49	45
RZR125LV	RZQ125KC/125HA	50	45
RZR140LV	RZQ140KC/140HA	50	46

Note: 1 Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions. 2 Value when cooling. Value will differ when heating.

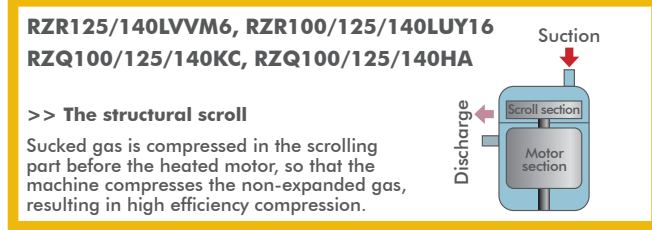
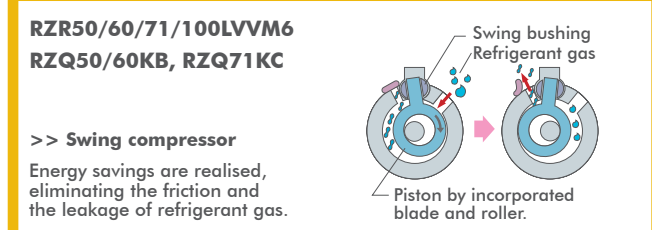
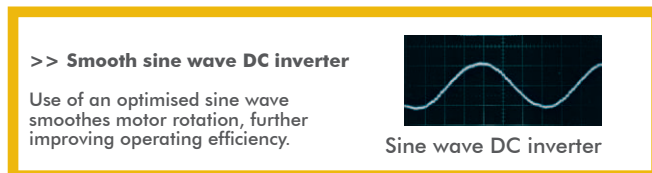
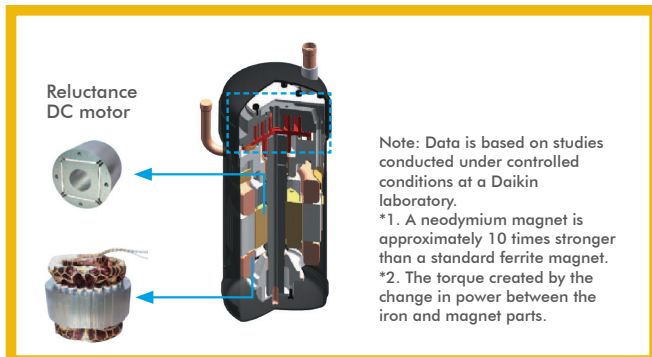
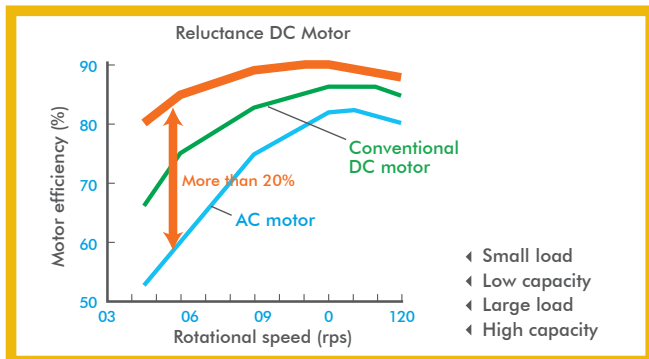


OUTDOOR UNITS (Contd.)

TECHNOLOGY FOR ENERGY EFFICIENCY

The high efficiency compressor to achieve a high COP.

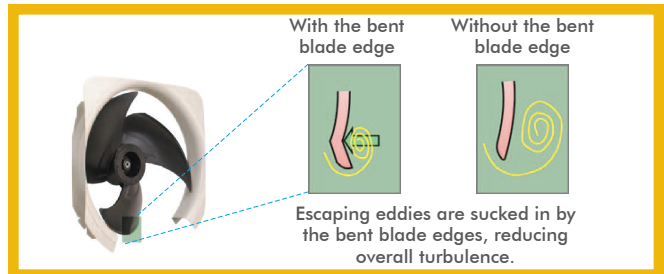
- COMPRESSOR EQUIPPED WITH RELUCTANCE DC MOTOR**
 Daikin DC Inverter models are equipped with the Reluctance DC motor for compressor. The Reluctance DC motor uses two different types of torque, neodymium magnet*1 and reluctance torque*2. This motor can save energy because it generates more power with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



- SMOOTH AIR INLET BELL MOUTH AND AERO SPIRAL FAN**

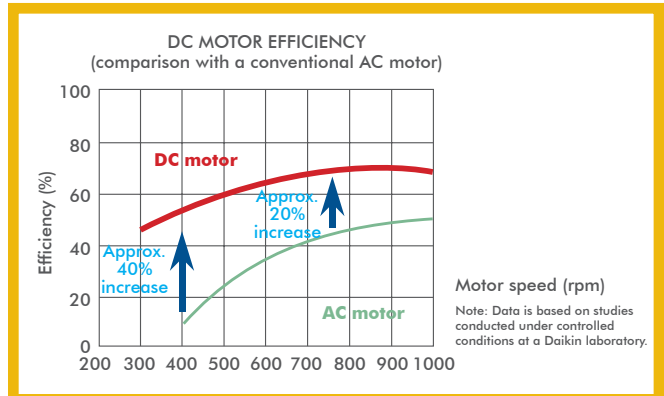
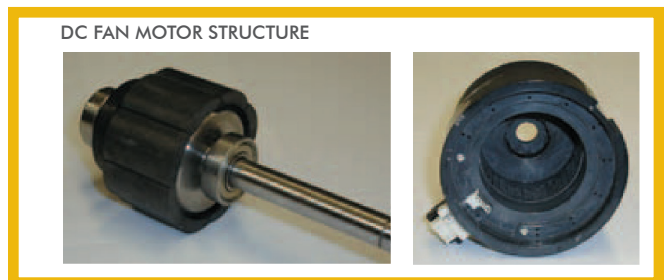
(not applicable for RZR50-71)

These two features work to reduce noise. Guides are added to the bell mouth intake to reduce turbulence in the airflow generated by fan suction. The Aero Spiral Fan features blades with bent edges, further reducing turbulence.



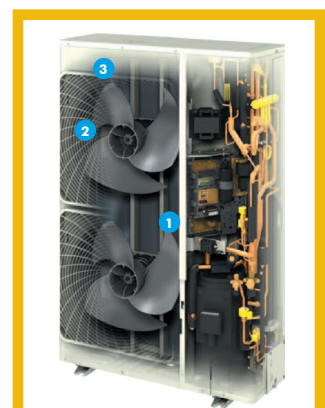
- DC FAN MOTOR**

Efficiency improved in all areas compared to conventional AC motors, especially at low speeds.



- SUPER AERO GRILLE**

Refined ventilation mechanism enables further reduction in required fan power.

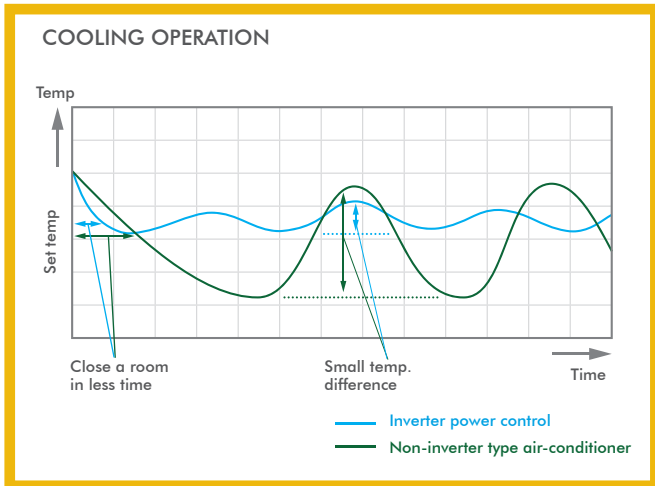


• **COMFORTABLE**

ENHANCED COMFORT WITH INVERTER

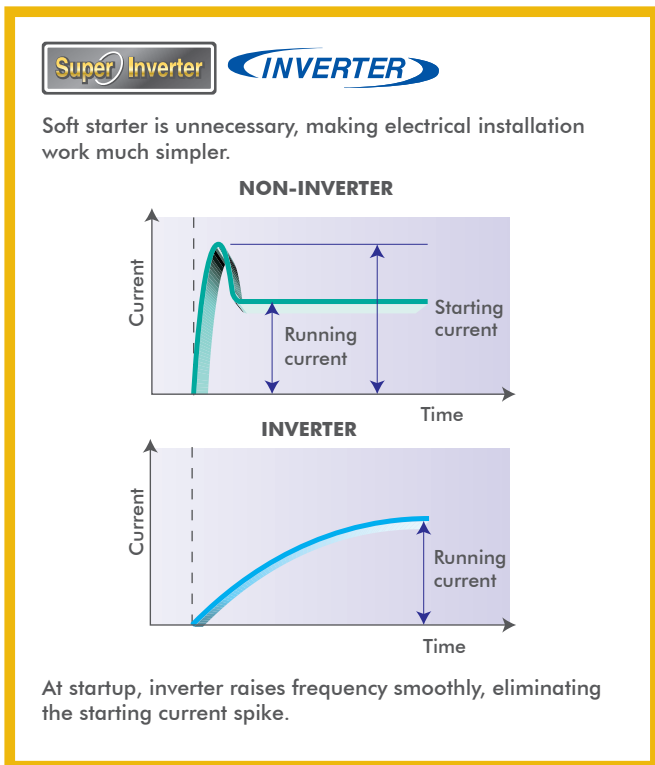
Inverter performs variable control of frequency, which determines air-conditioner's power performance. At startup, full power is used to achieve the set temperature quickly. Then, the capacity is adjusted according to the outdoor temperature changes and subtle indoor load changes to achieve fine capacity 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.



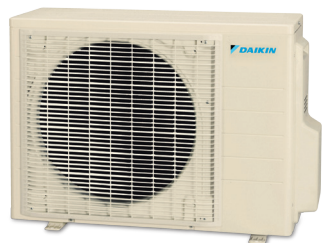
	Sound level ¹ (dB(A))	
	Rated ²	Night quiet mode
RZR50/60LVVM6	48	44
RZR71LVVM6	48	44
RZR100LVVM6/Y16	49	45
RZR125LVVM6/Y16	50	45
RZR140LVVM6/Y16	50	46

Note: 1 Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions. 2 Value when cooling. Value will differ when heating.



OUTDOOR UNITS

NON INVERTER | **R-410A**



RNQ18/21/26



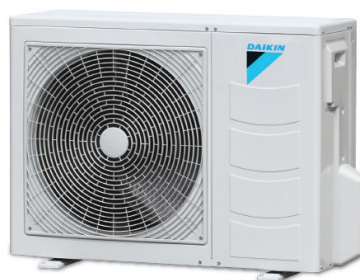
RNQ30



RNQ36/42/48



R(Y)N50/60CGXV1



RR(Q)71C



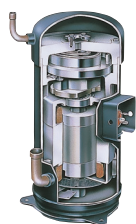
RR(Q)90/100/125D

COMPACT & QUIET

- **EQUIPPED WITH SCROLL COMPRESSOR FOR QUIETER OPERATION**

Smooth running, minimal vibration, low operating noise.

(* Check technical manual for details)



F/E SERIES

dB(A)

Cooling Only/Heat Pump Outdoor unit	Sound Level
R(Y)N50CG	52
R(Y)N60CG	52
RR(Q)71CG	58
RR(Q)90DG	58
RR(Q)100DG	58
RR(Q)125DG	60

RNQ SERIES

dB(A)

Cooling Only Outdoor unit	Sound Level
RNQ18	51
RNQ21	52
RNQ26	54
RNQ30	55
RNQ36	54
RNQ42	56
RNQ48	58

A SERIES

dB(A)

Cooling Only Outdoor unit	Sound Level
RGVF18A	50
RGVF24A	56

DURABILITY

- **INSTALLATION AND MAINTENANCE**

(Smoother and easier)

- **PRE-CHARGED FOR UP TO 15 METRES** (RNQ-Cooling only)

If refrigerant piping length does not exceed 10m (RNQ18/21/26), 15m (RNQ30/36/42/48), there is no need for on-site gas charging.

Allowed refrigerant pipe length and height difference

	Pre-charged*1	Max. Length	Max. Elevation
RNQ18	10 m	30 m	15 m
RNQ21	10 m	30 m	15 m
RNQ26	10 m	30 m (Equivalent length 50 m)	20 m
RNQ30	15 m	50 m (Equivalent length 70 m)	30 m
RNQ42	15 m	50 m (Equivalent length 70 m)	30 m
RNQ42	15 m	50 m (Equivalent length 70 m)	30 m
RNQ48	15 m	50 m (Equivalent length 70 m)	30 m

Note: *1Additional refrigerant charging is required if the refrigerant pipe is longer than the indicated length. For more information, see the engineering data.

- **PRE-CHARGED FOR UP TO 7.5 METRES (F-SERIES)**

If refrigerant piping length does not exceed 7.5 m, there is no need for on-site gas charging.

Allowed refrigerant pipe length and height difference

	Pre-charged*1	Max. Length	Max. Elevation
RN50	7.5 m	30 m	15 m
RN60	7.5 m	30 m	15 m
RR71	7.5 m	45 m	25 m
RR90	7.5 m	50 m	30 m
RR100	7.5 m	50 m	30 m
RR125	7.5 m	50 m	30 m

Note: *1Additional refrigerant charging is required if the refrigerant pipe is longer than the indicated length. For more information, see the engineering data.

CONTROLLERS

Easy-to-read LCD remote controller allows various system control configurations and can control multiple indoor units. (Remote controller options are shown on the page introducing each indoor unit model).

NAVIGATION REMOTE CONTROLLER

- **CLEAR DISPLAY, SIMPLE OPERATION, 'NAVIGATION REMOTE CONTROLLER'**

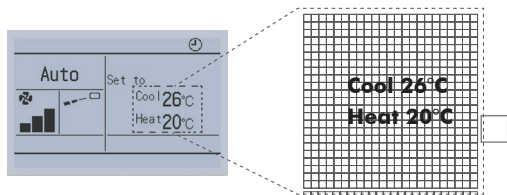
This simple, modern design remote controller with fresh white colour matches your interior design. Operation is much easier and smoother. Just follow the indications on the navigation remote controller.



- **AUTO OPERATION MODE**

2 SET POINTS

Display set temperatures at both cooling and heating operations.



BACKLIGHT DISPLAY

Equipped backlight helps operating in dark rooms.



WEEKLY SCHEDULE TIMER

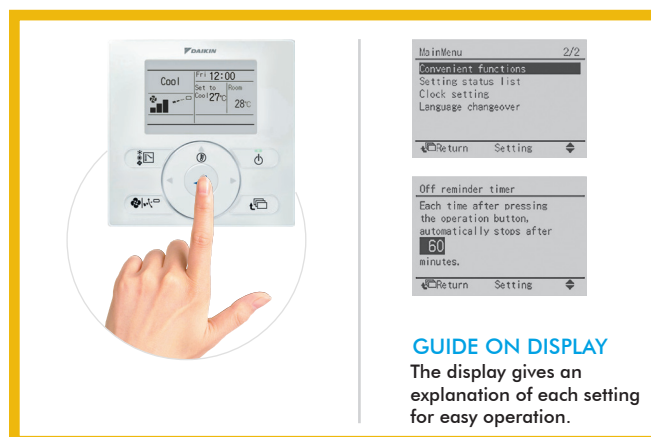
The schedule timer for each day of the week can be set up easily (3 patterns).

Schedule timer		
	Time	Operation
Monday	00:00	22°C
	12:00	OFF
	14:00	20°C-26°C
	18:00	OFF
	21:00	22°C

- **SIMPLE OPERATION**

Large buttons and arrow keys

Large buttons and arrows keys for easy operation. Basic settings, such as fan speed and temperature can be intuitively operated. For other settings just select the function from the menu list.



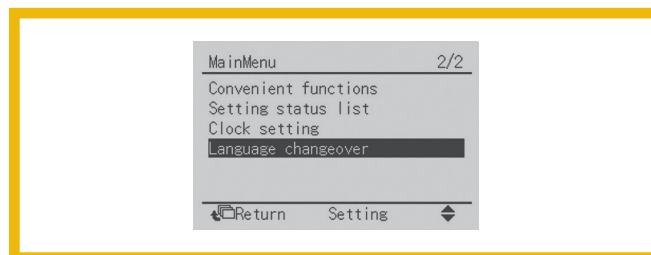
GUIDE ON DISPLAY

The display gives an explanation of each setting for easy operation.

- **OTHER FEATURES**

Multilingual display

Display is available in 11 languages (English, German, French, Spanish, Italian, Portuguese, Greek, Dutch, Russian, Turkish and Polish).



WIRED LCD REMOTE CONTROLLER

- **EASIER TO READ BECAUSE LCD SCREEN IS LARGER**

- For easier operation, louvre switches, which are frequently used, have been made larger.
- Oil-resistant plastic casing increases durability.
- Only 17mm thick. Can be installed, either recessed or exposed.

For feature list refer feature table of individual series. Not all features are available with all models.



BRC1C61

WIRED LCD REMOTE CONTROLLER WITH WEEKLY SCHEDULE TIMER

- **REMOTE CONTROL IS EQUIPPED WITH WEEKLY TIMER FUNCTION**
 - 24-hour clock function.
 - Programming function for each day of week.
 - Scheduling possible of start/stop and temperature limit (5 settings/day).



BRC1D61

WIRED CONTROLLER

- Well-designed keypad for user comfort
- Interaction with wireless controller
- Comprehensive error code display
- Key lock and fan lock features
- 7-days programmable timer (2 sets)
- Real time clock and day display
- Batteries backup and retain setting during power failure
- Last state memory (memory backup setting from main board)
- Built-in room sensor
- Not applicable to control LED light for cassette panel
- Real time clock and day display



BRC51A62

NON INVERTER

	Wired remote controller	C/O	H/P
1	Round Flow Ceiling Mounted Cassette Type (FCNQ)	BRC1C61	—
2	Ceiling Mounted 3x3 Cassette Type (Without light) - F Series	BRC51A62	BRC51A61
3	Ceiling Mounted 3x3 Cassette Type (Cool light) - F Series	BRC51A62*	—
4	Ceiling Mounted 3x3 Cassette Type (Without light) - A Series	BRC51A62	—

INVERTER

	Wired remote controller	C/O	H/P
1	Compact Multi Flow Ceiling Mounted Cassette type (FFQ)	BRC1C61 BRC1D61 (Standard) BRC1E62	BRC1C61 BRC1D61 (Standard) BRC1E62
2	Round Flow Ceiling Mounted Cassette Type (FCQ)	BRC1C61 (Standard) BRC1D61 BRC1E62	BRC1C61 BRC1D61 (Standard) BRC1E62
3	Floor Standing Type (FVQ)	BRC1E62	BRC1E62

- **WIRED REMOTE CONTROLLER HAS BUILT-IN THERMO-SENSOR**

(Applicable For BRC1C61/BRC51A61/62)

Enables temperature detection closer to target area for improved comfort. (When using remote control from another room, thermo-sensor in indoor unit's air inlet must be selected.)

Note: The indoor unit's thermo-sensor is specified at the time of shipment. Thermo sensing with the wired remote controller is not available with the ceiling mounted cassette corner, ceiling-mounted built-in, and duct connection type.

- **FACILITATES MAINTENANCE AND REPAIR**

(Applicable For BRC1C61)

- All initial settings can be set from the remote controller. After interior construction is complete, ceiling mounted units can be remotely set without having to use stepladder access for manual setting.
- Setting contents: High ceiling use, air direction, filter type, address for centralised control (group control address is set automatically).
- Remote controller is equipped with model name and failure display functions. This facilitates service in the unlikely event of a malfunction.

CONTROLLERS (Contd.)

- **NON-POLAR, DOUBLE-CORE CONNECTION SPECIFICATIONS SIMPLIFY WIRING**

(Applicable For BRC1C61)

Non-polar, double-core remote controller wire prevents wiring mistakes. Signal receiver unit (or decoration panel) of wireless type is also easy to connect.

- **SKYAIR SHARES COMMON CONTROL WITH HEAT RECLAIM VENTILATOR AND THE OTHER DAIKIN AIR-CONDITIONING UNITS, THUS SIMPLIFYING INTERLOCKING OPERATIONS**

(Applicable For BRC1C61)

- Easily adaptable to large-scale, high-function, centralised remote control systems.

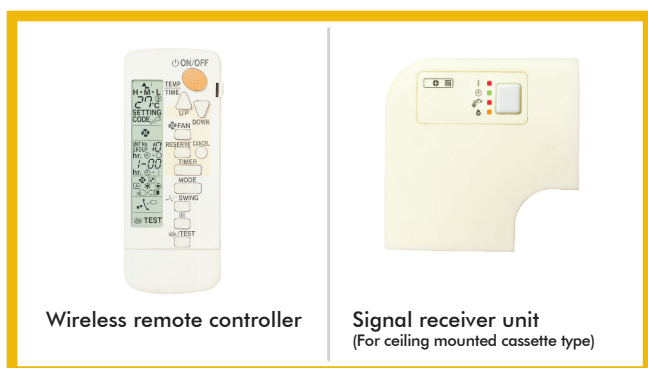
Installing and connecting control wiring between SkyAir and other Daikin air-conditioning equipment is easy.

- Optional adaptor for external commands or remote control of external equipment has been standardised to one type.

WIRELESS LCD REMOTE CONTROLLER

- **SIGNAL RECEIVER MOUNTED TYPE**

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

- **WIRELESS CONTROLLER (BRC52A62)**

- On/off button with night glow
- Fan speed selection: low, med, high, auto
- Temperature setting: up & down
- Selectable mode: automatic, cooling, dry, fan-only operation
- Automatic air swing button
- Sleep mode function
- On/off timer setting
- Quiet function
- Turbo function



- **WIRELESS CONTROLLER (BRC52A62)**

New features added:

- ON/OFF button with night glow
- LCD display with white color back light
- LED lighting ON/OFF



- **NON INVERTER**

	Wireless remote controller	C/O	H/P
1	Round Flow Ceiling Mounted Cassette Type (FCNQ)	BRC7F633F	—
2	Ceiling Mounted 3x3 Cassette Type (Without light) - F Series	BRC52A62	BRC52A61
3	Ceiling Mounted 3x3 Cassette Type (Cool light) - F Series	BRC52B64	—
4	Ceiling Mounted 3x3 Cassette Type (Without light) - A Series	BRC52A62	—

- **INVERTER**

	Wireless remote controller	C/O	H/P
1	Compact Multi Flow Ceiling Mounted Cassette type (FFQ)	BRC7E531W	BRC7E530W
2	Round Flow Ceiling Mounted Cassette Type (FCQ)	BRC7F633F	BRC7F632F




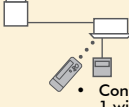
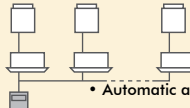
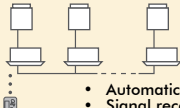


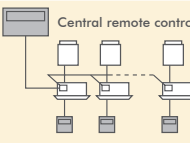
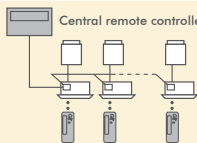
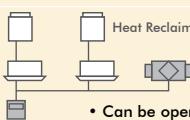
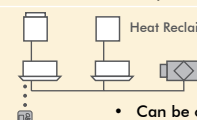
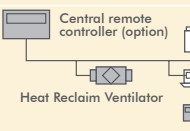
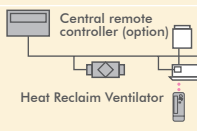
- **LCD PANEL SHOWS OPERATING STATUS IN LETTERS, NUMBERS AND MOTION**

(Applicable for BRC1C61)

Air flow/Swing display	Displays auto-swing operating status and setting position of air discharge angle (Not available for ceiling mounted built-in type and duct connection type).
Preset temperature/ Operation mode display	Displays preset room temperature and operating status (fan, dry, cool).
Programming time display	Operation start and stop time can be set for individual timers up to 72 hours. The liquid crystal display also shows when it is time to clean the filter, when changeover is under centralised control, and ventilation/cleaning.
Self-diagnosis function	Monitors operating status within the system covering 40 items, and displays a message to indicate as soon as a malfunction occurs.


• **SIMPLE SYSTEM PROVIDES A DIVERSE ASSORTMENT OF CONTROL MODES**

(Refer data book for the list of applicable controllers)





	Control pattern	Wired remote controller	Wireless remote controller
Control by 1 remote controller	(Basic system)	 <ul style="list-style-type: none"> • Non-polar, double-core. (max. wiring length 500 m) 	 <ul style="list-style-type: none"> • Signal receiver unit installed on indoor unit.
Control by 2 remote controllers	For control from 2 locations such as in room and control room, exits, etc.	 <ul style="list-style-type: none"> • Connects 2 wired remote controllers. 	 <ul style="list-style-type: none"> • Control by 1 wireless remote controller and 1 wired remote controller. (See note 1) • Signal receiver unit installed on indoor unit.
Group control	For simultaneous control of up to 16 indoor units.	 <ul style="list-style-type: none"> • Automatic address setting function. 	 <ul style="list-style-type: none"> • Automatic address setting function. • Signal receiver unit installed on 1 indoor unit.
Control by external command	Operation and surveillance is carried out using the contact signal from the operation control box in the building surveillance (security) room.	 <ul style="list-style-type: none"> • Automatic address setting function. 	 <ul style="list-style-type: none"> • Automatic address setting function. • Signal receiver unit installed on 1 indoor unit.
Central remote control	Centralised control of up to 64 indoor units from remote location up to 1 kilometer away.	 <ul style="list-style-type: none"> • Optional SkyAir series interface adaptor required.*1 	 <ul style="list-style-type: none"> • Optional SkyAir series interface adaptor required.*1
Interlock control with Heat Reclaim Ventilator	Link by remote controller group control.	 <ul style="list-style-type: none"> • Can be operated simultaneously or independently by remote controller. (set by ventilation mode). 	 <ul style="list-style-type: none"> • Can be operated simultaneously or independently by remote controller. (set by ventilation mode).
	Zone link control by centralised control.	 <ul style="list-style-type: none"> • Heat Reclaim Ventilator for indoor units within a zone are operated by interlocking. Can also be operated independently by remote controller. • Optional interface adaptor for SkyAir series is necessary.*1 	 <ul style="list-style-type: none"> • Heat Reclaim Ventilator for indoor units within a zone are operated by interlocking. Can also be operated independently by remote controller. • Optional interface adaptor for SkyAir series is necessary.*1

Note: When a wireless remote controller is used, remote control by two remote controllers is not possible.

*1. DIII-net adaptor function is standard equipment for the FAY71L.

Set back time clock BRC15A61 (Option)  When connected to a BRC-type wired remote controller, the user can apply two sets of ON-OFF times at increments of up to 30 minutes per day. For each ON-OFF setting a temperature setting is also possible.

• **EASILY ADAPTABLE TO LARGE-SCALE, HIGH-FUNCTION, CENTRALISED REMOTE CONTROL SYSTEM**

Central remote controller DCS302B61 (Option)	Unified on/off controller DCS301B61 (Option)	Schedule timer DST301B61 (Option)	intelligent Controller DCS601C51 (Option)
 <p>Centralised control, with setting as simple as it is with a standard remote controller, of up to 64 groups (1,024 indoor units) is possible. Interface adaptor for SkyAir series DTA102A52 (Option)</p>	 <p>Centralised control of on/off by group or all at once for up to 256 indoor units. Enables centralised control via connection to a high-speed, DIII-NET communication system, adopted for the Daikin VRV system. Necessary for interface adaptor for SkyAir series with the central remote control units shown at above.</p>	 <p>Unified control of weekly schedule for up to 1,024 indoor units. Schedule timer sets on/off time in 1 minute units to be executed twice a day for a week at a time. Central control adaptor kit*2 DTA107A55 (Option) (for FD series)*2. The central control adaptor kit for FDB series can be made to order.</p>	 <p>With its high functionality, the full colour 'all-in-one' graphic controller facilitates management of Sky Air System in a variety of ways.</p>

Note: DIII-net adaptor function is standard equipment for the FAY71

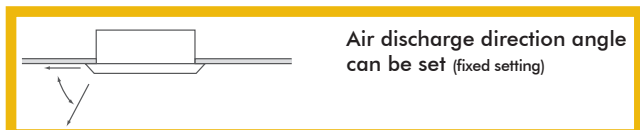
FUNCTION LINE UP

Abundance of functions that provide comfortable air-conditioning in stores and offices.

• COMFORT

AUTO SWING

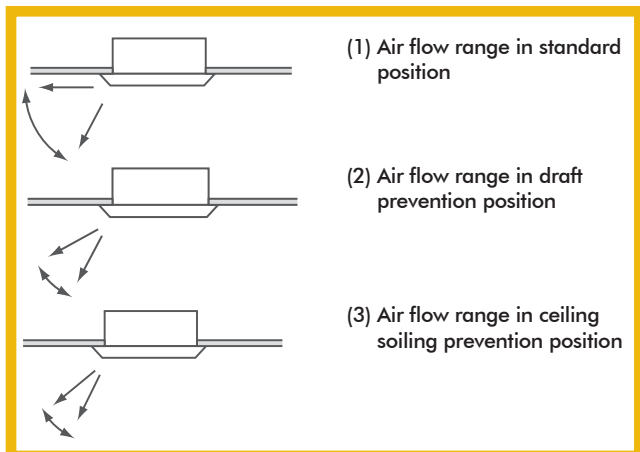
Delivers Comfortable Air-conditioning to all areas, near or far from the air-conditioner.



SWING PATTERN SELECTION (Draft prevention, standard, ceiling soiling prevention)

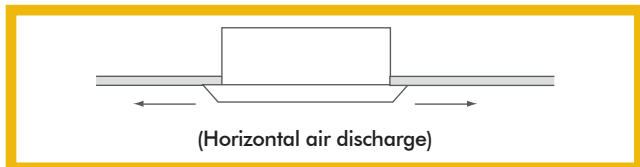
You can freely set 3 air flow positions by remote controller.

- Applicable for ceiling mounted cassette type and ceiling mounted cassette corner type.



DRAFT PREVENTION FUNCTION (Heating)

To prevent cold air drafts, it automatically adjusts air flow to horizontal vector when heating initially starts or when the thermostat turns off.



SWITCHABLE FAN SPEED

High setting provides maximum reach while low setting minimises drafts.

PROGRAMME 'DRY'

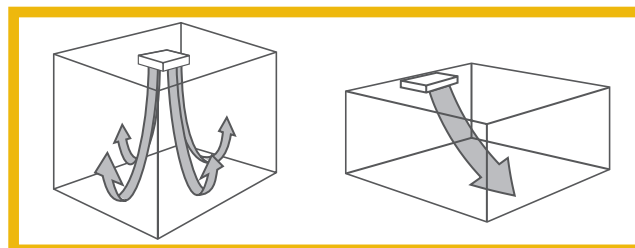
Dehumidification is computer controlled to prevent abrupt and uncomfortable changes in air temperature. Useful for reducing discomforting humidity without uncomfortable cooling of the room.

MOULD-RESISTANT TREATMENT FOR FILTER

Sanitary filter has mould-resistant treatment.

HIGH-CEILING APPLICATION

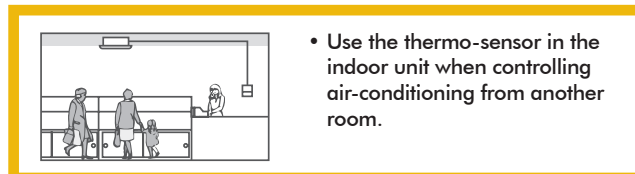
Delivers air-conditioning comfort all the way down to the floor in air-conditioning zones with high ceilings.



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.

TWO SELECTABLE THERMO-SENSORS

Thermo-sensors are included in the indoor unit and optional wired remote controller. Temperature detection closer to target area is possible to further increase the comfort level.



Note: Wireless remote controllers have no thermo-sensor.

HOT START (AFTER DEFROST)

Uncomfortable cold air draft is not discharged when heating operation starts or when switching to heat after defrosting.

YEAR-ROUND COOLING APPLICABLE

Efficient cooling even in winter when indoor temperatures are higher than those outside, such as in underground public spaces or office with many computers.

- Heat Pump/R71-140LU: possible up to -5°C
- Cooling Only/R71-140LU: possible up to -15°C (An option is required.)

TIMER SELECTOR

Operation starts when the preset time of the ON timer elapses and stops when the preset time of the OFF timer elapses.

MILDEW PREVENTION

MILDEW-PROOFING DRAIN PAN

Mildew proofing maintains hygiene by preventing growth in highly humid conditions.

OTHERS

TWIN / TRIPLE / DOUBLE TWIN MULTI OPERATION

Simultaneously operates 2-4 indoor units with a single outdoor unit.

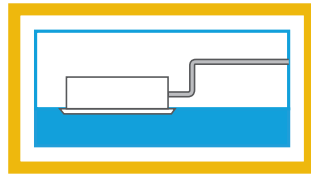
PE FIN

To achieve increased durability by improved resistance to salt corrosion and atmospheric pollution, coated PE fins (with special acryl pre-treatment) are used for the heat exchanger of the outdoor unit.

- **WORK & SERVICING**

DRAIN WATER LIFT-UP MECHANISM

Steeper gradient ensures more efficient wastewater drainage. High-lift is especially useful for long lengths of drain piping.



LONG-LIFE FILTER

Maintenance is not required for one year (two years when a ceiling mounted cassette type is used).

CEILING SOILING PREVENTION FUNCTION

Daikin's innovative air discharge mechanism keeps air flow away from the ceiling. Ceiling cleaning is less frequently required.

- **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 COOL/HEAT CHANGE-OVER

(Heat Pump only)

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.

Note: When a wireless remote controller is used, remote control by two remote controllers is not possible.

INTERLOCK CONTROL

Enables interlocking control with external equipment such as Heat Reclaim Ventilator.

- **OPTIONS**

HIGH-EFFICIENCY FILTER UNIT

Two types are available: 65% and 90% colorimetry. Superior filtering ratio easily meets building maintenance laws.

ULTRA LONG-LIFE FILTER

Requires no maintenance for about 4 years* (10,000 h) in stores and offices.

*For dust concentration of 0.15mg/m³

LOW GAS PRESSURE DETECTION

Insufficient gas charging is normally hard to detect. During post-installation trials and regular inspection procedures, the refrigerant level is monitored by computer to ensure proper gas pressure. Reliability is assured and maintenance and inspection can be carried out more quickly.

EMERGENCY OPERATION

If there is a malfunction elsewhere in the system, the fan or compressor can still be operated.

SELF DIAGNOSIS FUNCTION

The operating parameters of indoor and outdoor units, and sensor data at critical locations throughout the system are constantly monitored using a microcomputer. To facilitate quick response in the event of a malfunction, a message appears on the LCD of the remote controller and an LED on the unit illuminates.

FILTER SIGN

The filter sign warns you when it is time to clean the filter.

*When using a wired remote controller the sign is displayed in the LCD. When using a wireless remote controller the filter sign lamp illuminates on the signal receiver unit.

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 surveillance is carried out using the contact signal from the operation control box in the building surveillance (security) room.

CENTRAL REMOTE CONTROL

Optional central remote controller enables centralised control of up to 1024 indoor units (64 groups) from up to 1 kilometer away.

FRESH-AIR INTAKE KIT

You can provide air-conditioning with fresh air from outside. Convenient for places where a ventilation fan cannot be installed.

SPECIFICATIONS

Compact Multi Flow Ceiling Mounted Cassette Type (Cooling Only)



Capacity class		25	35	50	60		
Model name		Indoor unit	Indoor unit	Indoor unit	Indoor unit		
		Outdoor unit	Outdoor unit	Outdoor unit	Outdoor unit		
Power supply		1 Phase, 220-240V, 50 Hz					
Cooling capacity (Rated) (Min. - Max)		kW	2.5 (1.2-3.0)	3.4 (1.2-3.7)	4.7 (1.7-5.6)	5.8 (1.7-6.0)	
Power consumption		kW	0.73	1.1	1.62	2.065	
Indoor unit	Color Decoration Panel		White				
	Airflow rate (H)		l/s	150/108	167/108	200/133	250/167
			m ³ /min.	9/6.5	10/6.5	12/8.0	15/10.0
	Sound Level (H/L)		dB(A)	29.5/24.5	32/25	36/27	41/32
	Sound power ³		dB(A)	46.5	49	53	58
	Dimensions (H x W x D)		Unit	286x575x575			
			Decoration Panel	55x700x700			
	Machine Weight		Unit	17.5			
			Decoration Panel	2.7			
	Certified operating range		CWB	14 to 28			
Outdoor unit	Color		Ivory White				
	Compressor		Type	Hermetically sealed swing type			
			Motor output	0.6	1.1		
	Refrigerant charge (R-410A)		kg	1.0 (Charged for 10m)		1.5 (Charged for 10m)	
	Sound level ²		dB(A)	46	47	49	
	Sound power ³		dB(A)	62		61	63
	Dimensions (H x W x D)		mm	550x765x285		735x825x300	
	Machine Weight		kg	34		47	
Certified operating range		CWB	10 to 46				
Piping connection	Liquid (Flare)	mm	φ6.4				
	Gas (Flare)	mm	φ9.5		φ12.7		
	Drain	Indoor Unit	mm	VP20 (IDφ20XO.Dφ26)			
		Outdoor Unit	mm	φ18.0 (Hole)			
Max. inter unit piping length		m	20		30		
Max. installation level difference		m	5		20		
Heat insulation		m	Both liquid and gas piping				

Note:

1. Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB.; outdoor temp. 35°CDB. Equiv. refrigeration piping: 7.5 m (horizontal).
2. Anoaichoic chamber conversion value, measured according to JIS parameters and criteria. During operation These values are somewhat higher owing to ambient conditions.
3. Numerical values are according to ISO 3741:1979.

Compact Multi Flow Ceiling Mounted Cassette Type (Heat Pump)



Capacity class		25	35	50	60		
Model name		Indoor unit	Indoor unit	Indoor unit	Indoor unit		
		Outdoor unit	Outdoor unit	Outdoor unit	Outdoor unit		
Power supply		1 Phase, 220-240V, 50 Hz					
Heating capacity ²		kW	2.5 (1.2-3.0)	3.4 (1.2-3.7)	4.7 (1.7-5.6)	5.8 (1.7-6.0)	
Rated (Min. - Max.)		kW	3.2 (1.2-4.5)	4.0 (1.2-5.0)	5.5 (1.7-7.0)	7.0 (1.7-8.0)	
Power consumption	Cooling ¹	kW	0.73	1.1	1.62	2.065	
	Heating ²	kW	0.92	1.2	1.88	2.49	
Indoor unit	Color		White				
	Airflow rate (H)		l/s	150/108	167/108	200/133	250/167
			m ³ /min.	9/6.5	10/6.5	12/8.0	15/10.0
	Sound Level (H/L) ²		dB(A)	29.5/24.5	32/25	36/27	41/32
	Sound power ³		dB(A)	46.5	49	53	58
	Dimensions (H x W x D)		Unit	286x575x575			
			Decoration Panel	55x700x700			
	Machine Weight		Unit	17.5			
			Decoration Panel	2.7			
	Certified operating range		Cooling	CWB			
		Heating	CDB				
Outdoor unit	Color		Ivory White				
	Compressor		Type	Hermetically sealed swing type			
			Motor output	0.6	1.1		
	Refrigerant charge (R-410A)		kg	1.0 (Charged for 10m)		1.5 (Charged for 10m)	
	Sound level		Cooling/Heating ³	46/47	47/48	49/49	
	Sound power		Cooling/Heating ³	61/62	62/63	61/62	63/63
	Dimensions (H x W x D)		mm	550x765x285		735x825x300	
	Machine Weight		kg	34		48	
Certified operating range	Cooling	dB(A)	10 to 46		10 to 46		
	Heating	dB(A)	-10 to 20		-10 to 20		
Piping connection	Liquid (Flare)	mm	φ6.4				
	Gas (Flare)	mm	φ9.5		φ12.7		
	Drain	Indoor Unit	mm	VP20 (IDφ20XO.Dφ26)			
Outdoor Unit		mm	φ18.0 (Hole)				
Max. inter unit piping length		m	20		30		
Max. installation level difference		m	15		20		
Heat insulation		m	Both liquid and gas piping				

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

2. Rated 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).

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

4. Numerical values are according to ISO 3741:1999.

Round Flow Ceiling Mounted Cassette Type (Cooling Only)



Model Name		50	60	71	100	125	140	100	125	140				
Indoor unit		FCQ50LUV1	FCQ60LUV1	FCQ71LUV1	FCQ100LUV1	FCQ125LUV1	FCQ140LUV1	FCQ100LUV1	FCQ125LUV1	FCQ140LUV1				
Outdoor unit		RZR50LVM6	RZR60LVM6	RZR71LVM6	RZR100LVM6	RZR125LVM6	RZR140LVM6	RZR100LUV1.6	RZR125LUV1.6	RZR140LUV1.6				
Power Supply		1Phase,220-240V,50Hz							3Phase,380-415V,50Hz					
Cooling capacity ¹ Rated (Min. - Max.)		kW		5.0 (2.3-5.6)	6.0 (2.6-6.3)	7.1 (3.2-8.0)	10.0 (5.0-11.2)	12.5 (5.7-14.0)	14.0 (6.2-15.4)	10.0 (5.0-11.2)	12.5 (5.7-14.0)	14.0 (6.2-15.4)		
Power consumption		kW		1.44	1.75	2.20	2.92	4.45	5.90	2.92	4.45	5.90		
Indoor Unit	Colour	Unit —												
	Airflow rate (H/L)	Unit		Decoration panel Fresh white										
		m ³ /min		21/13.5		32/20		33/22.5		32/20		33/22.5		
	Sound level (H/L) ²	cfm		741/477		1,130/706		1,165/794		1,130/706		1,165/794		
		dB(A)		35/28		43/32		44/34		44/36		43/32		
	Dimensions (HxWxD)	Unit		298x840x840										
		mm		256x840x840				50x950x950						
Machine weight	Unit		21				5.5		24					
	kg													
Certified Operation range	Unit		14 to 25											
	°CWB													
Outdoor unit	Colour	Ivory white												
	Compressor	Type		Hermetically sealed swing type					Hermetically sealed scroll type					
		Motor output		1.12		1.35		1.76		2.03		2.4		1.8
	Refrigerant charge (R-410A)	Kg		1.6 (Charged for 30 m)		3.35 (Charged for 30 m)		3.7 (Charged for 30 m)		2.7 (Charged for 30 m)		3.7 (Charged for 30 m)		
		Sound level ²		Cooling		48		49		50		50		49
		Night quiet mode		44		45		46		45		46		
		Dimensions (HxWxD)		595x845x300		990x940x320		97		1,170x900x320		92		97
Machine weight	Kg		43		78		97		92		97			
	Certified Operation range	Cooling		21 to 46										
°CDB														
Piping connections	Liquid (Flare)		mm Ø9.5											
	Gas (Flare)		mm Ø15.9											
	Drain		mm I.DØ25xO.DØ32 Ø26.0 (Hole)											
Max. interunit piping length		m		50 (Equivalent length 70)										
Max. installation level difference		m		30										
Heat insulation		Both liquid and gas piping												

Note: 1. Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB. Equiv. refrigeration piping: 7.5 m (horizontal).
2. Anaechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

Round Flow Ceiling Mounted Cassette Type (Heat Pump)



Model Name		71	100	125	140	100	125	140						
Indoor unit		FCQ71LUV1	FCQ100LUV1	FCQ125LUV1	FCQ140LUV1	FCQ100LUV1	FCQ125LUV1	FCQ140LUV1						
Outdoor unit		RZQ71KCV4A	RZQ100KCV4A	RZQ125KCV4A	RZQ140KCV4A	RZQ100HAY4A	RZQ125HAY4A	RZQ140HAY4A						
Power supply		1 Phase, 240 V, 50 Hz							3 Phase, 415 V, 50 Hz					
Cooling capacity ¹ Rated (Min. - Max.)		kW		7.1 (3.2-8.0)	10 (5.0-11.2)	12.5 (5.7-14.0)	13.6 (6.2-15.4)	10 (5.0-11.2)	12.5 (5.7-14.0)	13.6 (6.2-15.4)				
Heating capacity ² Rated (Min. - Max.)		kW		8 (3.5-9.0)	11.2 (5.1-12.8)	14 (6.0-16.2)	16 (6.2-18.0)	11.2 (5.1-12.8)	14 (6.0-16.2)	16 (6.2-18.0)				
Power consumption	Cooling ¹	kW		1.99	2.94	4.02	4.54	2.94	3.77	4.39				
	Heating ²	kW		2.10	3.03	3.83	4.80	3.03	3.83	4.80				
Indoor unit	Colour	Unit —												
	Fan	Unit		Decoration panel Fresh white										
		Air flow rate (H/L)		m ³ /min		21/13.5		32/20		33/22.5		32/20		33/22.5
	Sound level (H/L) ³	cfm		741/477		1,130/706		1,165/794		1,130/706		1,165/794		
		dB(A)		35/28		43/32		44/34		44/36		43/32		44/36
	Dimensions (HxWxD)	Unit		298x840x840										
		mm		256x840x840				50x950x950						
Machine weight	Unit		21				5.5		24					
	kg													
Certified Operation range	Unit		14 to 25											
	°CWB													
	Heating		15 to 27											
	°CDB													
Outdoor unit	Colour	Ivory white												
	Compressor	Type		Hermetically sealed swing type					Hermetically sealed scroll type					
		Motor output		1.7		1.9		2.4		3.1		1.7		2.2
	Refrigerant charge (R-410A)	kg		2.75 (Charged for 30 m)		3.7 (Charged for 30 m)		3.1		1.7		4.3 (Charged for 30 m)		
		Sound level	Cooling/Heating ³		48/50		49/51		50/52		49/51		50/52	
	Night quiet mode		44		45		46		45		46			
	Dimensions (HxWxD)	mm		770x900x320		1,170x900x320		98		108		1,345x900x320		
Machine weight		68												
Certified	Cooling		-5 to 46											
	°CDB													
Operation range	Heating		-15 to 15.5											
	°CWB													
Piping connections	Liquid (Flare)		mm Ø9.5											
	Gas (Flare)		mm Ø15.9											
	Drain		mm I.DØ25xO.DØ32 Ø26.0 (Hole)											
Max. interunit piping length		m		50 (Equivalent length 70)		75 (Equivalent length 90)								
Max. installation level difference		m		30										
Heat insulation		Both liquid and gas piping												

Note: 1. Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping: 7.5 m (horizontal).
2. Rated 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).
3. Anaechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

SPECIFICATIONS (Contd.)

Round Flow Ceiling Mounted Cassette Type (Cooling Only)



R-410A

Model Name	Indoor unit	18	21	26	30	36	42	48	
	Outdoor unit	FCNQ18MVI6 RNQ18MVI	FCNQ21MVI6 RNQ21MVI	FCNQ26MVI6 RNQ26MVI	FCNQ30MVI6 RNQ30MVI	FCNQ36MVI6 RNQ36MVI	FCNQ42MVI6 RNQ42MVI	FCNQ48MVI6 RNQ48MVI	
Power supply		1 Phase, 220-240 V, 50 Hz					3 Phase, 380-415 V, 50 Hz		
Cooling capacity (Rated)	Btu/h	18000	21000	26000	30000	36000	42000	48000	
Power consumption	kW	1.8	2.12	2.76	2.97	3.53	4.15	5.04	
BEE Star Level		1	2	1	2	2	Labelling Not Applicable For 3-Ph Units		
Indoor unit	Colour	Fresh White							
	Air ow rate (H/L)	m ³ /min	13/10	21/13.5		32/20		33/22.5	
		cfm	459/353	741/477		1130/706		1165/794	
	Sound level (H/L)	dB(A)	31/28	35/28		43/32		44/34	
	Dimensions (HXWXD)	Unit	256x840x840			298x840x840			
		Panel	mm			50x950x950			
Machine weight	Unit	19.5	21		24				
	Panel	kg		5.5					
Certified operation range	°CWB	14 to 28							
Outdoor unit	Colour	Ivory white							
	Compressor	Type	Hermetically sealed rotary type					Hermetically sealed scroll type	
		Motor output	kW	1.4	1.8	2.2	2.2	2.7	3.75
	Refrigerant charge (R-410A)	kg	1.4 (Charged for 10 m)	1.5 (Charged for 10 m)	2.0 (Charged for 10 m)	1.9 (Charged for 15 m)	3.2 (Charged for 15 m)	2.7 (Charged for 15 m)	3.2 (Charged for 15 m)
	Sound level	Cooling	dB(A)	51	52	54	55	54	56
	Dimensions (HXWXD)	mm	595X845X300		735X825X300		990X940X320		
	Machine weight	kg	40	49	56	77	103	107	111
	Certified operation range	°CWB	19.4 to 46		21 to 46				
Piping connections	Liquid (Flare)	mm	Ø6.4			Ø9.5			
	Gas (Flare)	mm	Ø12.7	Ø18.0 (Hole)			Ø15.9		
	Drain	mm	Ø18.0 (Hole)			Ø26.0 (Hole)			
Max. interunit piping length	m	30		30 (Equivalent length 50)	50 (Equivalent length 70)				
Max. installation level difference	m	15		20	30				

Notes: 1. Rated cooling capacities are based on the following conditions: Return air temp.: 27°CDB, 19.0°CWB, Outdoor temp.: 35°CDB Equiv. ref. piping: 7.5m (Horizontal)
2. Anechoic chamber conversion value, measured under JIS conditions. During actual operation, these values are normally somewhat higher as a result of ambient conditions. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat. In case of drain piping for outdoor unit, drain piping kit (option) is needed. RNQ26/30/36 is also available in 3-phase

Ceiling Mounted 3 x 3 Cassette Type (Cooling Only)



R-410A

Model	Indoor	FCRN50FXV1.6B	FCRN60FXV1.6B	FCRN71FXV1.6B	FCRN90FXV1.6B	FCRN100FXV1.6	FCRN125FXV1.6			
	Outdoor	RN50CGXV1.6B	RN60CGXV1.6B	RR71CGXV1.6B	RR90DGXV1.6B	RR100DGXV1A6	RR125DGXV1A6			
Cooling capacity (Rated)	Tonnage	1.5	1.8	2.4	2.8	3.5	3.8			
	Btu/Hr	18000	21800	29000	33500	42000	45000			
	Kw	5.28	6.39	8.5	9.81	12.31	13.20			
Power consumption	W	1710	2095	2750	3175	4110	4810			
Running Current	A	7.88	9.26	13.2	14.6	6.57	8.34			
EER	W/W	3.09	3.05	3.09	3.09	3.00	2.74			
BEE Star Level		2	2	2	2	Labelling Not Applicable For 3-Ph Units				
Power Source	V/Ph/Hz	220-240/1/50					380 - 415 / 3 / 50			
Refrigerant Type		R410a								
Indoor	Air Flow	High	Cfm	High	730	890	1030	1120	1120	1120
		Medium	620	760	870	1030	1030	1030	1030	
		Low	510	620	730	890	890	890		
		Quiet	360	490	580	760	760	760		
	Sound Pressure Level	High	dB(A)	High	38	41	46	48	48	48
		Medium	35	38	41	45	45	45		
Low		33	35	37	41	41	41			
	Quiet	29	32	34	37	37	37			
Unit Dimension [Panel]	Height	mm	Height	246[304]	246[304]	288[346]	288[346]	288[346]	288[346]	
	Width	mm	Width	840[950]	840[950]	840[950]	840[950]	840[950]	840[950]	
	Depth	mm	Depth	840[950]	840[950]	840[950]	840[950]	840[950]	840[950]	
Outdoor	Unit Weight [Panel]	kg	Height	22[5]	22[5]	25[5]	25[5]	25[5]	25[5]	
		mm	Width	651	753	853	852	852	852	
		mm	Depth	855	855	1030	1030	1030		
	Unit Weight	kg	328	328	328	400	428	428		
Pipe Connection	Type	Flare Valve								
	Liquid	mm	6.35	6.35	9.52	9.52	9.52	9.52		
	Gas	mm	12.7	15.88	15.88	15.88	15.88	15.88		
Max Piping Length	M	30	30	45	50	50	50			
Max Piping Elevation	M	15	15	25	30	30	30			

Notes: 1. Rated cooling capacities are based on the following conditions: Return air temp.: 27°CDB, 19.0°CWB, Outdoor temp.: 35°CDB, 24°CWB Equiv. ref. piping: 7m (Horizontal)
2. Anechoic chamber conversion value, measured under JIS conditions. During actual operation, these values are normally somewhat higher as a result of ambient conditions.

Ceiling Mounted 3 x 3 Cassette Type (Cooling Only)



R-32

Model				Indoor	FCVF18ARV16	FCVF24ARV16
				Outdoor	RGVF18ARV16	RGVF24ARV16
Cooling Capacity (Rated)	Tonnage				1.5	1.9
	Btu/Hr				18084	22860
	kW				5.3	6.7
Power Consumption				W	1536	1942
EER				W/W	3.45	3.45
BEE Star Level					4	4
Power Source				V/Ph/Hz	230V/1/50	
Refrigerant Type					R-32	
Indoor	Air Flow	High	CFM	High	730	840
		Medium		Medium	-	-
		Low		Low	-	-
		Quiet		Quiet	-	-
	Sound Pressure Level	High	DBA	High	38	39
		Medium		Medium	-	-
		Low		Low	-	-
		Quiet		Quiet	-	-
	Unit Dimension [Panel]	Height	mm	Height	246[304]	246[304]
		Width	mm	Width	840[950]	840[950]
Depth		mm	Depth	840[950]	840[950]	
Unit Weight [Panel]			Kg	22[5]	22[5]	
Outdoor	Unit Dimension		mm	Height	595	595
			mm	Width	845	845
			mm	Depth	300	300
	Unit Weight		Kg		40	45
	Pipe Connection		Type	Flare		
		Liquid	mm	6.35	6.35	
		Gas	mm	12.7	15.9	
Max Piping Length				m	20	20
Max Piping Elevation				m	10	10

Notes: 1. Rated cooling capacities are based on the following conditions: Return air temp.: 27°CDB, 19.0°CWB, Outdoor temp.: 35°CDB, 24°CWB Equiv. ref. piping: 7.5m (Horizontal)
2. Anechoic chamber conversion value, measured under JIS conditions. During actual operation, these values are normally somewhat higher as a result of ambient conditions.

Ceiling Mounted 3 x 3 Cassette Type (Heat Pump)

R-410A

Model Name			50	60	71	90	100	125	
Indoor unit			FCQN50EXV16	FCQN60EXV16	FCQN71EXV16	FCQN90EXV16	FCQN100EXV16	FCQN125EXV16	
Outdoor unit			RYN50CGXV16	RYN60CGXV16	RQ71CGXV16	RQ90DGXV16	RQ100DGXV16	RQ125DGXV16	
Power supply			220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50	380-415/3/50	
Cooling Capacity (Rated)	Cooling	Btu/h	18300	22200	27000	31000	39000	45000	
	Heating	Btu/h	17700	20500	28000	33400	39000	48000	
Power consumption	Cooling	kW	1.74	1.94	2.79	2.77	3.84	4.39	
	Heating	kW	1.49	1.76	2.33	2.55	3.61	4.01	
Colour			White	White	White	White	White	White	
Indoor unit	Air ow rate (H/M/L/SL)		cfm	600/530/430/400	680/600/530/430	860/725/620/530	1030/860/740/620	1030/860/740/620	1200/1030/930/780
	Sound level (H/M/L/SL)		dB(A)	34/32/30/28	37/34/33/32	42/38/35/33	47/44/40/36	47/44/40/36	49/45/43/39
	Dimensions (H x W x D)		Unit	mm	265 x 820 x 820	265 x 820 x 820	265 x 820 x 820	300 x 820 x 820	300 x 820 x 820
			Panel	mm	75 x 990 x 990	75 x 990 x 990	75 x 990 x 990	75 x 990 x 990	75 x 990 x 990
	Machine weight		Unit	kg	26	26	28	31	31
			Panel	kg	4	4	4	4	4
	Compressor		Type	Rotary					
Refrigerant charge (R-410A)		kg	1.38	1.60	1.85	1.93	2.33	2.10	
Outdoor unit	Sound level		Cooling	dB(A)	52	52	58	58	60
	Dimensions (H x W x D)		mm	651 x 855 x 328	753 x 855 x 328	753 x 855 x 328	852 x 1030 x 400	852 x 1030 x 400	852 x 1030 x 400
			kg	47	50	57	86	95	
	Certified operation range		Cooling	°CDB	19°C~46°C	19°C~46°C	19°C~46°C	19°C~46°C	19°C~46°C
			Cooling	°CWB	-9°C~18°C	-9°C~18°C	-9°C~18°C	-9°C~18°C	-9°C~18°C
Piping connections		Liquid (Flare)	mm	6.35	6.35	9.52	9.52	9.52	
		Gas (Flare)	mm	12.7	15.88	15.88	15.88	15.88	
		Drain	mm	19.05	19.05	19.05	19.05	19.05	
Max. interunit piping length		m	15	15	15	45	45	45	
Max. installation level difference		m	8	8	8	25	25	25	

Note: 1. Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping: 7.5 m (horizontal).
2. Rated 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).
3. Anaechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

SPECIFICATIONS (Contd.)

Compact Multi Flow Ceiling Mounted Cassette Type



Name of option	Remark	Kit name			
		Cooling Only & Heat Pump			
		FFQ25BV1B	FFQ35BV1B	FFQ50BV1B	FFQ60BV1B
Decoration panel					BYFQ60B8W1
Remote controller	Wireless type	Heat Pump		BRC7E530W	
		Cooling Only		BRC7E531W	
	Wired type ¹ 'Nav Ease'	BRC1E62			
Adaptor for wiring ²		KRP1BA57			
Wiring adaptor for electrical appendices ²	KRP4AA53				
Remote sensor (for indoor temperature)	KRC501-1B				
Installation box for adaptor PCB	KRP1BA101				
Central remote controller ³	DCS302CA61				
Unified ON/OFF controller ³	DCS301BA61				
Schedule timer ³	DST301BA61				
Intelligent Touch Controller ³	DCS601C51				
Interface adaptor for SkyAir series	DTA112BA51				
Replacement long-life filter	KAFQ441B60				
Fresh air intake kit	Direct installation type	KDDQ44X60			
Sealing member for air discharge outlet	KDBHQ44B60				
Panel spacer	KDBQ44B60				

Note: 1. Wiring for wired remote controller to be procured locally.
 2. Installation box for adaptor PCB (KRP1BA101) is necessary.
 3. This optional accessory requires DTA112BA51.

Ceiling Mounted Cassette Type (Round Flow)



Name of option	Remark	Kit name					
		FCQ50LUV1	FCQ60LUV1	FCQ71LUV1	FCQ100LUV1	FCQ125LUV1	FCQ140LUV1
Decoration panel		BYCP125K-W1					
Sealing material of air discharge outlet		KDBH55K160F					
Panel spacer		KDBP55H160FA					
Fresh air intake kit ¹	Chamber type	Without the T-joint pipe and fan		KDDP55B160			
		With the T-joint pipe, without fan		KDDP55B160K			
	Direct installation type	KDDP55X160					
Chamber connection kit ²		KKSJ55KA160					
Insulation kit for high humidity		KDTP55K80				KDTP55K160	
High-efficiency filter	(Colorimetric method 65%)	KAFP556B80				KAFP556B160	
		KAFP557B80				KAFP557B160	
Replacement high-efficiency filter	(Colorimetric method 65%)	KAFP552B80				KAFP552B160	
		KAFP553B80				KAFP553B160	
Filter chamber		KDDFP55B160					
Replacement long-life filter		KAFP551K160					
Ultra long-life filter		KAFP55B160					
Replacement ultra long-life filter		KAFP55H160FH					
Branch duct chamber		KDJP55B80				KDJP55B160	
Remote controller	Wireless type	Cooling Only		BRC7F633F			
		Heat Pump		BRC7F632F			
	Wired type ³	BRC1C61					
Wired LCD remote controller with weekly schedule timer ³		BRC1D61					
Navigation Remote Controller	Wired type ³	BRC1E62					
Central remote controller ⁴		DCS302CA61					
Unified ON/OFF controller ⁴		DCS301BA61					
Schedule timer ⁴		DST301BA61					
Intelligent Touch Controller ⁴		DCS601C51					
Adaptor for wiring ⁵		KRP1C63					
Wiring adaptor for electrical appendices ⁵		KRP4AA53					
Installation box for adaptor PCB		KRP1H98					
Remote sensor (for indoor temperature)		KRC501-4B					

Note: 1. Refer to page 89 for the details.
 2. Required for installing high-efficiency filter or ultra long-life filter.
 3. Wiring for wired remote controller to be procured locally.
 4. This type of indoor units is equipped with the interface adaptor for SkyAir series. DTA112BA51 is unnecessary.
 5. Installation box for adaptor PCB (KRP1H98) is necessary.

Ceiling Mounted Cassette Type (Round flow)

R-410A

Name of option	Remark		Kit name					
			FCNQ18MV1	FCNQ21MV1	FCNQ26MV1	FCNQ30MV1	FCNQ36MV1	FCNQ42MV1
Decoration panel			BYCP125K-W1					
Sealing material of air discharge outlet			KDBH55K160F					
Panel spacer			KDBP55H160FA					
Fresh air intake kit ¹	Chamber type	Without the T-joint pipe and fan	KDDP55B160					
		With the T-joint pipe, without fan	KDDP55B160K					
	Direct installation type		KDDP55X160					
Chamber connection kit ³			KKSJ55KA160					
Insulation kit for high humidity			KDTP55K80					
High-efficiency filter	(Colorimetric method 65%)		KAFP556B80					
	(Colorimetric method 90%)		KAFP557B80					
Replacement high-efficiency filter	(Colorimetric method 65%)		KAFP552B80					
	(Colorimetric method 90%)		KAFP553B80					
Filter chamber			KDDFP55B160					
Replacement long-life filter			KAFP551K160					
Ultra long-life filter			KAFP55B160					
Replacement ultra long-life filter			KAFP55H160H					
Branch duct chamber			KDJP55B80					
Remote controller	Wireless type	Cooling Only	BRC7F633F					
	Wired type ⁴	Heat Pump	BRC1C61					
Wired LCD remote controller with weekly schedule timer ⁴			BRC1D61					
Navigation Remote Controller	Wired type ⁴		BRC1E62					
Central remote controller ²			DCS302CA61					
Unified ON/OFF controller ²			DCS301BA61					
Schedule timer ²			DST301BA61					
intelligent Touch Controller ²			DCS601C51					
Adaptor for wiring ¹			KRP1C63					
Wiring adaptor for electrical appendices ¹			KRP4AA53					
Installation box for adaptor PCB			KRP1H98					
Remote sensor (for indoor temperature)			KRCS01-4B					

- Note: 1. Installation box for adaptor PCB (KRP1H98) is necessary.
 2. This type of indoor units is equipped with the interface adaptor for SkyAir series.
 3. Required for installing high-efficiency filter or ultra long-life filter.
 4. Wiring for wired remote controller to be procured locally.

REASONS TO BUY DAIKIN



Air-conditioning specialist from Japan

Daikin focuses on air-conditioning solutions and control systems. As specialists, it's all we do. No wonder Daikin is recognised as an expert in air-conditioning.



Five-year warranty on compressors

Reliability. That's probably top of your list when buying an air-conditioning system for your home or business. Daikin gives you peace of mind and reassurance with their five-year warranty on compressors of Hi-wall split air-conditioners. That's how confident Daikin is about the quality and reliability of its product.



High energy efficiency

Daikin's continuous drive for improved efficiency has seen its advanced inverter technology being applied to split, ducted and other systems. These systems provide a more comfortable environment and are more energy efficient when compared to non-inverter systems.



Environment friendly

Daikin continues to work towards a sustainable future, and has received Environmental Management System certification to ISO14001. Daikin Airconditioning India Pvt. Ltd. is dedicated to preserving and protecting the environment through the production of energy efficient products.



Unmatched after-sales support

Daikin takes pride in providing its customers with efficient after sales support, including readily available spare parts warehoused in India.



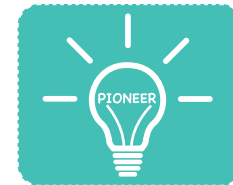
The Daikin edge with in-house manufacturing

Daikin is the only company in the world dedicated to manufacturing both air-conditioning systems and refrigerants. Each element has been designed to work flawlessly with the next - delivering optimal performance - from the time a project begins till the moment of absolute comfort.



Experienced dealers

Daikin distributes its products through experienced dealers. This ensures that you receive a top quality product with expert support. Together this means the best air-conditioning solution for your individual needs.



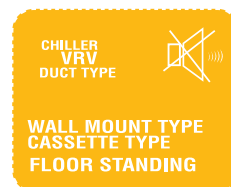
Pioneer in air-conditioners

Daikin has been providing air-conditioning solutions for over 15 years in India. As one of the industry's more trusted names, Daikin air-conditioning equipment can be found in homes, offices, hotels and shops. Daikin is committed to the air-conditioning market and has a manufacturing facility located in Rajasthan.



Wise investment – Low running cost

When you buy a Daikin air-conditioning system you need to look beyond the initial purchase price. It pays to consider ongoing running costs in conjunction with the potential life of the product. Daikin systems offer superior build quality and energy efficiency.



Comprehensive range and quiet operation

Daikin has a comprehensive range of products in both domestic and commercial segments. Designed to provide effective and quiet air-conditioning, Daikin can customise a solution to meet every requirement.

Terms & Conditions Apply





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Disclaimer

As a continuing policy of product innovation at Daikin, the design and specifications are subject to change without prior notice. The visuals of the products in the brochure are representative only, actual products might differ from the ones shown. Sales revenue includes revenue through sales of all Daikin Airconditioning Systems. World's no. 1 position based on internal assessment of total sales revenue for 2012-13.

'Products mentioned in this brochure comply with RoHS regulations as per E-waste (Management & Handling) Rules, 2011 and should not be mixed with general household waste at the end of their useful life.' For more details kindly visit our website www.daikinindia.com or contact our customer care centre at 1800 102 9300 / 1800 22 9300