

TEN REASONS TO BUY DAIKIN



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

Airconditioning Specialist



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

Unmatched After Sales Support



Daikin has been providing airconditioning solutions for over 12 years in India. As one of the industry's more trusted names, Daikin airconditioning equipment can be found in homes, offices, hotels and shops. Daikin is committed to the airconditioning market and has a manufacturing facility located in Rajasthan.

Pioneer in Air Conditioners



Daikin is the only company in the world dedicated to manufacturing both airconditioning 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.

The Daikin Edge with In-house Manufacturing



Daikin's continuous drive for improved efficiency has seen its advance 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.

High Energy Efficiency



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

Comprehensive Range and Quiet Operation



Reliability. That's probably top of your list when buying an airconditioning system for your home or business. Daikin gives you peace of mind and reassurance with their 3-year warranty* on compressors. That's how confident Daikin is about the quality and reliability of its product.

3 year warranty on compressors



When you buy a Daikin airconditioning 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.

Wise Investment - Low Running Cost



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

Experienced Dealers



Daikin continues to work towards a sustainable future and has received Environmental Management System certification to ISO 14001. Daikin India is dedicated to preserving and protecting the environment through the production of energy efficient products.

Environment Friendly

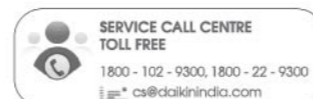
DAIKIN AIRCONDITIONING INDIA PVT. LTD.

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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 catalogue 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 company sales revenue for 2012/13.
*Product mentioned in this catalogue 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.

DAIKIN

WORLD'S NO.1
AIRCONDITIONING COMPANY FROM JAPAN

THE WIDEST RANGE OF COMMERCIAL AIRCONDITIONING SOLUTIONS

NOTHING LESS. NOTHING ELSE.



*Terms & conditions apply

DAIPL-2015/15-Light Commercial-28

INDEX

About Daikin3-4

The Daikin difference5-6

Our timeline7-8

Daikin India at a glance 9-10

Application of the product 11

Inverter series..... 12-38

Non-Inverter series 39-56

Outdoor units 57-66

Controllers 67-72

Function line-up 73-76

Specifications 77-83

Options 84-85



Daikin, the world leader in airconditioning brings a world full of love to India with its airconditioning 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 airconditioning. Daikin air conditioners are manufactured keeping in mind different airconditioning needs and also space requirements. Our wide range of air conditioners are easy to install and are apt for residential and commercial usage.

ABOUT DAIKIN

Daikin® is a leading innovator and provider of advanced, high-quality airconditioning solutions for residential, commercial and industrial applications. As World's No. 1 Airconditioning Company, Daikin is committed to delivering airconditioning solutions that enhance the quality of life all around the world. A diverse multinational company, Daikin Industries Ltd. active in airconditioning, chemicals and oil hydraulics, was established in 1924. With headquarters at Osaka, Japan, the Daikin family has more than 51,000 members, working across 60 production base units and 208 consolidated subsidiaries worldwide. As the world's sole manufacturer that develops a long line of products from refrigerants to air conditioners, Daikin advocates comfortable living on the strength of advanced technologies.

Daikin is present in USA, Europe and Russia, Middle East, Africa, Asia, Oceania and Middle-South America. We aim to serve our customers in each of these markets by providing optimal airconditioning products.

Europe/Middle East/Africa



Daikin
Airconditioning
Central Europe



Daikin
Airconditioning
Spain



Daikin
Airconditioning
Italy



Daikin Europe N.V.



Daikin
Airconditioning
France



Daikin
Airconditioning
Germany



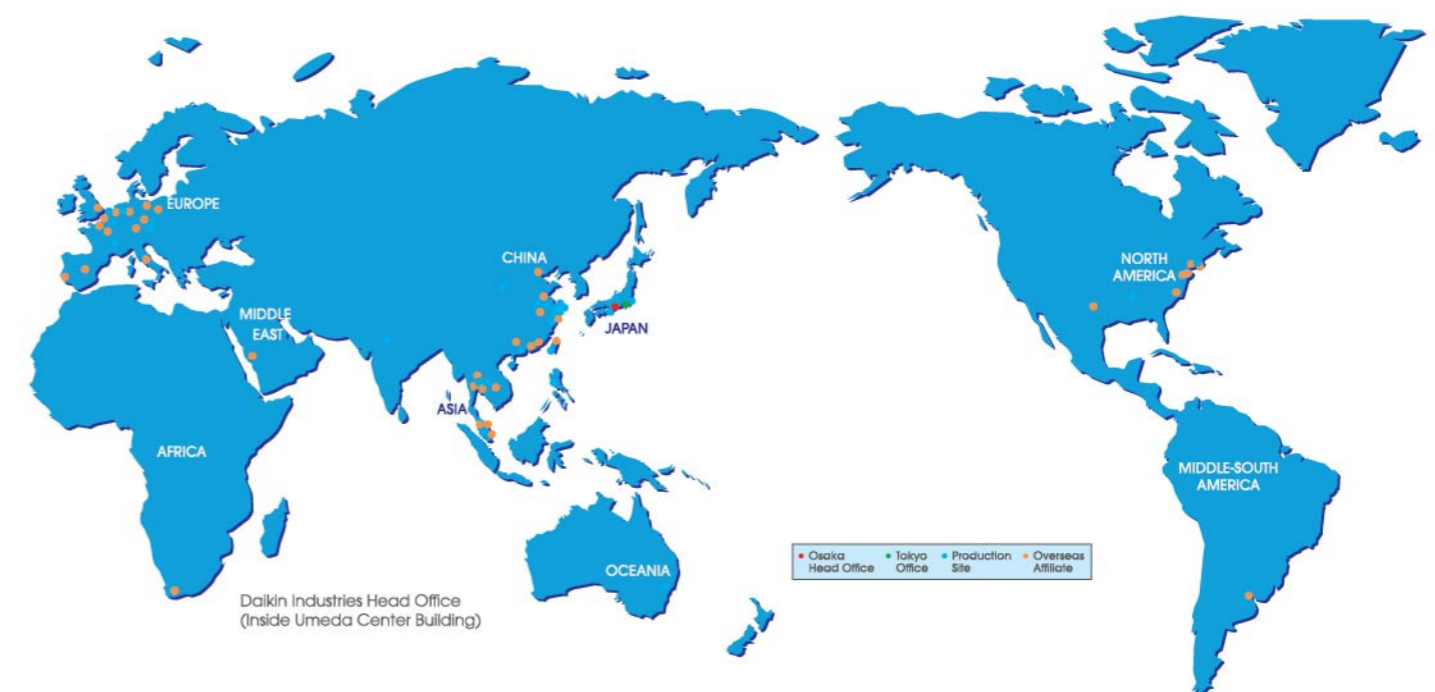
Daikin
Airconditioning
UK



Daikin Industries
Czech Republic



Daikin Chemical
France



China



Daikin (China)
Investment



Shanghai Daikin
Airconditioning



Xi'an Daikin Qing'an
Compressor



Hui Zhou Daikin Sun's
Airconditioning



Daikin Device
(Suzhou)



Daikin Fluoro Coating
Shanghai



Daikin Fluorochemicals
China

Asia/Oceania



Daikin Industries
Thailand



Daikin Compressor
Industries



Daikin Airconditioning
Singapore



Daikin Australia



Daikin Airconditioning
India



Daikin Industries Head
Office (inside Umeda
Center Building)

Japan

North America/Central & South America



Daikin America



Daikin Holding USA



Daikin AC (Americas)

THE DAIKIN DIFFERENCE

As a world leader in technological innovation, we've initiated and funded a wide range of research programs 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, in order to continually offer value-added and solution-based products and services to customers.

THE LOGO

The triangle shape represents the integration of three technological areas (mechanics, chemistry and electronics) while the upper left direction of the triangle symbolizes 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 befit Daikin's emphasis on intellect and brightness. Black expresses strength, a sense of positive presence and stability.



ENVIRONMENTAL PHILOSOPHY

In February 2002, we created an environmental symbol for the Daikin Group. In environmental protection activities, the 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.

In all of us,
a green heart



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.



PICHONKUN
© D.H.T., 2000

OUR TIMELINE

1924-2012

- 1924 — Akira Yamada becomes the founder of the Osaka Kinzoku Kogyosho Limited Partnership.
- 1934 — Osaka Kinzoku Kogyo Co., Ltd. is established, with the following corporate logo: 
- 1936 — The Mifujirator refrigerator is delivered to Nankai Railways for trial use as Japan's first air conditioner for trains.
- 1951 — Trial manufacture of a methyl chloride type refrigerator succeeds. The refrigerator is named Mifujirator and production begins.
- 1956 — Production of packaged air conditioners begins.
- 1958 — A heat exchanging device is installed on the Soya, an Antarctic research vessel, as a cabin heating system.
- 1963 — Residential-use air conditioners equipped with Japan's first rotary compressor are marketed. The heat-pump type packaged air conditioner is developed.
- 1964 — Osaka Kinzoku Kogyo Co., Ltd. is renamed Daikin Kogyo Co., Ltd. (Renamed Daikin Industries, Ltd. in 1982).
- 1969 — Cool air service by Daikin Aircon begins at J.N.R. Osaka Station. The air conditioning system is thereafter installed in major terminals.
- 1982 — A multiroom airconditioning system with a single outdoor unit is developed.
- 1984 — A Freon heater is employed in an air conditioner, combining heating and cooling functions.
- 1990 — Daikin becomes first in the world to produce a cumulative total of 1 million packaged air conditioners.
- 1991 — Japan's first VRV system is developed.
- 1992 — The industry's first single-screw refrigerator is developed.
- 1999 — Daikin America, Inc. and MDA Manufacturing, Inc. are established in the U.S.A.
- 1990 — Daikin Industries (Thailand) Ltd. is established in Thailand and begins production of air conditioners.
- 1992 — Daikin Chemical Europe is established in Düsseldorf, Germany.

- 1993 — Daikin Airconditioning France S.A. is established in Paris as an airconditioning system sales company.
- 1995 — The industry's first compact room air conditioner to use a swing compressor to save energy is marketed.
- 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.
- 1999 — Room air conditioners employing the R-410A refrigerant are marketed. Daikin Airconditioning Germany GmbH is established in Munich as an airconditioning system sales company.
- 2001 — Daikin Airconditioning Central Europe GmbH is established in Austria as an airconditioning system sales company.
- 2002 — Established a company for the manufacture and sale of swing compressors in Bangkok, Thailand, called Daikin Compressor Industries Ltd.
- 2003 — Received the 11th Annual Grand Prize for the Global Environment presented by the Nikkan Kogyo Shimbun.
- 2006 — Daikin is ranked 1st in market share of residential use air conditioners in Japan throughout the fiscal year of 2003.
- 2008 — Acquisition of major global airconditioning manufacturer OYL Industries (Malaysia) with the aim of becoming the No.1 airconditioning manufacturer.
- 2009 — Establishment of Environmental Response Department at Daikin Europe N.V. to take the lead in environmental response in the European region.
- 2012 — Recipient 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.
- 2012 — Acquired Japan's leading air filter company Nippon Muki Co., Ltd.
- 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.

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 airconditioning systems. Backed by the superior technology, the organization offers a wide range of energy efficient airconditioning solutions to the Indian customers.

After introducing our superior airconditioning 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 throughout the world and showcases the application of advanced technology and equipment. Our comprehensive quality control system features centrally computerized 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.

- 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.
- 2007**
 Daikin India relocates HQ to Gurgaon and commences business of McQuay chillers in India.
- 2008**
 Groundbreaking ceremony of Daikin India's manufacturing base at Neemrana, Rajasthan.
- 2009**
 Production commences at manufacturing plant in Neemrana, Rajasthan.
- 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.

APPLICATION OF THE PRODUCT



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 minimizing operating costs and energy consumption.



OFFICES / BANKS

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.



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.

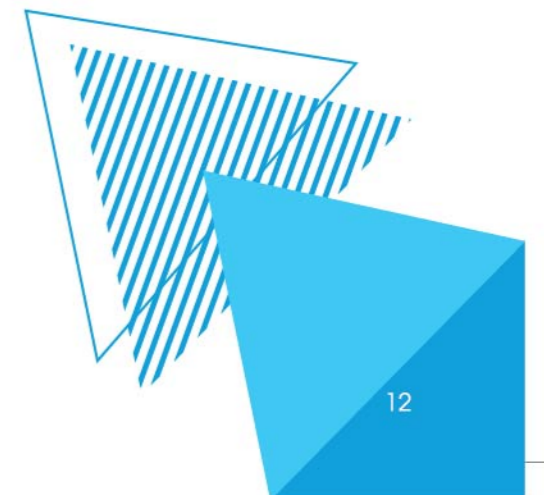


RESTAURANTS

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 airconditioning. Airconditioning needs to be discreet and flexible to meet the demands of your restaurant and customers.



INVERTER SERIES





CEILING SUSPENDED TYPE

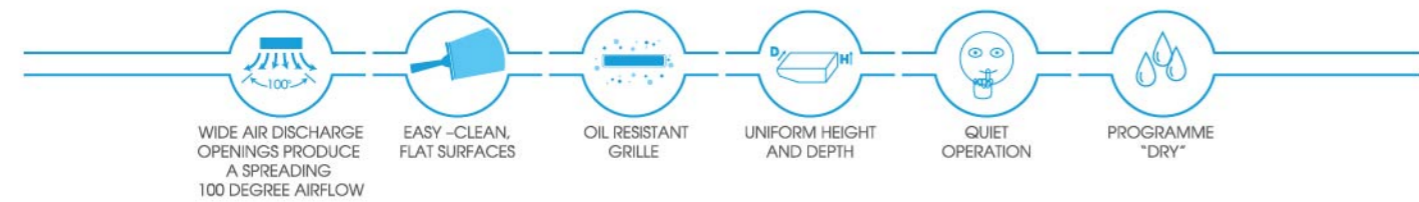
FHQ Series
Cooling Only & Heat Pump



INVERTER

R-410A

Upgrade to a quiet and compact system.



FHQ35BV~125BV (COOLING ONLY)	3.4 kW ~ 12.5 kW	Cooling
FHQ35BV~125BV (HEAT PUMP)	3.4 kW ~ 11.2 kW	Cooling
	4.0 kW ~ 13.5 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

BRC7EA66 (Cooling Only)
BRC7EA63W (Heat Pump)

A signal receiver must be added to the indoor unit.

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

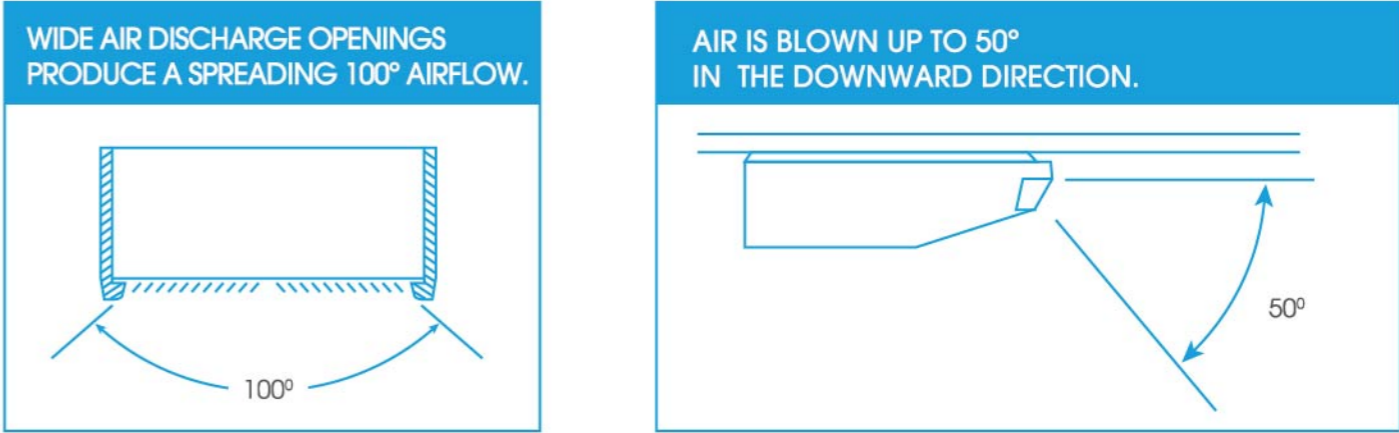
FHQ-BVV1B

Feature	Comfort										Cleanliness	Work & Servicing				Control features				Others							
	Auto swing	Draft prevention function	Switchable fan speed (2 step)	Programme "Dry"	High ceiling application	Two selectable temperature-sensors	Hot start (after defrost)	Year-round cooling applicable	Night quiet operation	Timer selector	Weekly schedule timer	Anti-bacterial air filter	Drain pump mechanism	Pre-charged for up to 30 m	Long-life filter	Filter sign	Low gas pressure detection	Emergency operation	Self-diagnosis function	Auto-restart	Auto-cooling/heating change-over	Control by 2 remote controllers	Group control by 1 remote controller	External command control	Central remote control	Interlock control	Anti corrosion treated heat exchangers
Cooling Only	●	—	●	●	*1	*2	—	—	*3	●	*4	●	*5	*3	●	●	*3	●	●	●	—	●	●	●	●	●	*3
Heat Pump	●	●	●	●	*1	*2	●	●	*3	●	*4	●	*5	*3	●	●	*3	●	●	●	●	●	●	●	●	●	*3

*1 Installable on max. 3.5 m high ceiling *2 Applicable when wired remote controller is used *3 For outdoor units *4 Applicable when BRC1D61 or BRC1E62 is used *5 Option

COMFORT

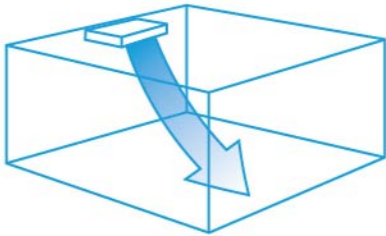
- AUTO-SWING (UP & DOWN) BRINGS COMFORT TO THE ROOM
- DISTRIBUTES AIR EVENLY THROUGHOUT THE ROOM



- INSTALLABLE ON CEILINGS 3.5 M HIGH
- TWO SELECTABLE TEMPERATURE-SENSORS

Both indoor unit and wired remote controller (option (BRC1E61)) 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/MIDDLE/LOW

• PROGRAMME “DRY”

Dehumidification is micro-processor controlled to prevent abrupt and uncomfortable changes in air temperature.

• EASY-CLEAN, FLAT SURFACES

For all maintenance tasks, access is from bottom surface.

• OIL RESISTANT GRILLE

Oil-resistant plastic is used for the air discharge grille. This satisfies durability in restaurants and other similar environments.
Note: Intended for use in salons, dining rooms, and ordinary sales floors, this specification is not suitable for kitchens or other harsh environments.

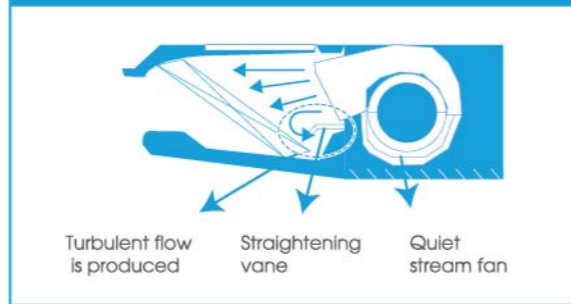
• QUIET OPERATION

Sound operation has been reduced on the exposed ceiling suspended type unit.

Indoor unit	dB(A)	
	High	Low
35BV	37	32
50BV	38	33
60BV	39	33
71BV	39	35
100BV	42	37
125BV	44	39

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

Uses quiet stream fan and other quiet technologies.



WORK & SERVICING

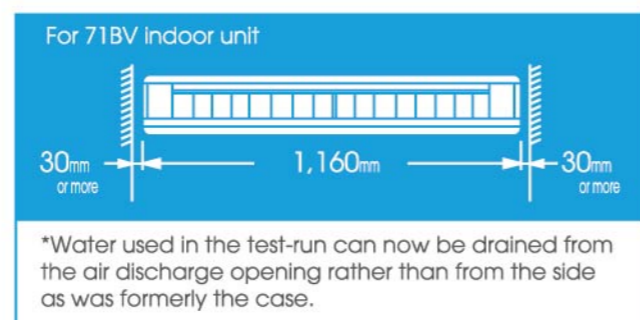
• FLEXIBLE INSTALLATION FLEXIBILITY FOR FREEDOM OF DESIGN

• UNIFORM HEIGHT AND DEPTH

Compact design for small-capacity models to meet tighter dimensional spaces.

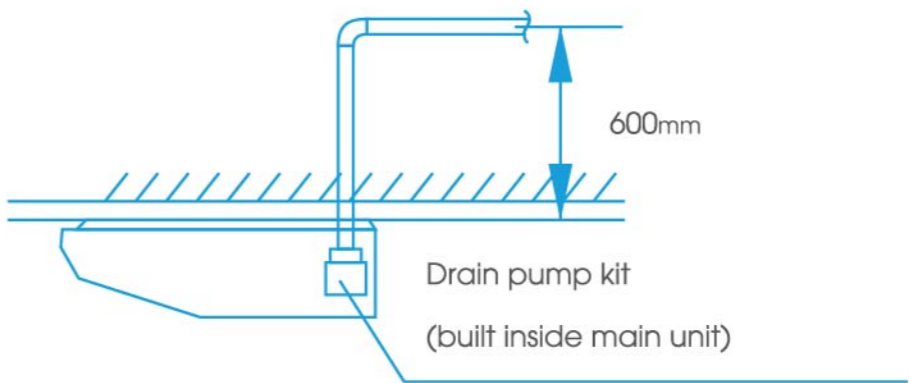
• FLEXIBLE INSTALLATION

The unit fits more snugly into tight spaces.



• DRAIN PUMP KIT (OPTION) CAN BE EASILY INCORPORATED

Drain pipe connection can be done inside the unit. Refrigerant and drain pipe outlets are at the same opening.



• ALL WIRING AND INTERNAL SERVICING CAN BE DONE FROM UNDER THE UNIT

• PIPES MORE EASILY RIGGED

• LOW GAS PRESSURE DETECTION

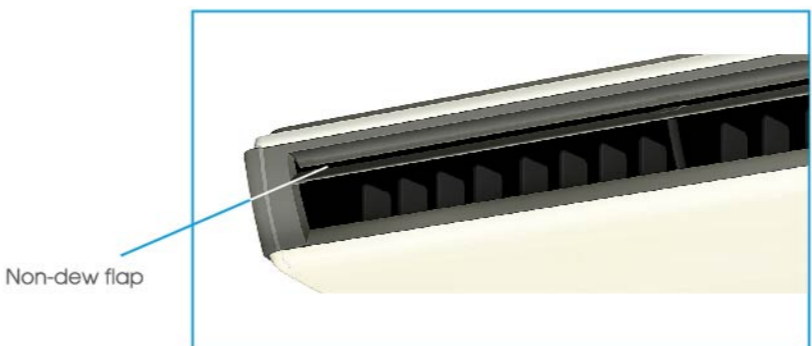
(Applicable to RZQ71KBV4A, RZQ100/125KV4A, RZQ100/125HY4A outdoor units)

• LONG-LIFE FILTER LASTS UP TO 6 MONTHS*

* For dust concentration of 0.15 mg/m³
Two time settings (2500 hrs and 1250 hrs) are available to match the installation environment.
Maintenance time warning is displayed on the remote controller (filter sign).

• NON-DEW FLAP BRISTLES MINIMISE CLINGING DIRT AND SIMPLIFY CLEANING

Absence of bristles minimises clinging dirt and simplifies cleaning.





CEILING MOUNTED SLIM DUCT TYPE

FDXS Series
Heat Pump



R-410A

Suitable for tight ceiling spaces



SLIM PROFILE



QUIET OPERATION

FDXS25~60C (HEAT PUMP)	2.4 kW ~ 6.0 kW	Cooling
	3.2 kW ~ 7.0 kW	Heating

ACCESSORY REQUIRED FOR INDOOR UNIT

WIRED LCD REMOTE CONTROLLER

Standard



BRC944B2

Note: 3 m (BRCW901A03) or 8 m (BRCW901A08) length wired remote controller cord is necessary.

WIRELESS LCD REMOTE CONTROLLER

Option



A signal receiver must be added to the indoor unit.

ARC433B69



A sign Wireless remote controller and signal receiver unit are sold as a set. A receiver must be added to the indoor unit.

Signal receiver unit (Separate type)

1 TR (Tons of Refrigeration) = 3.517 kW

FEATURES

FDXS-CVMA

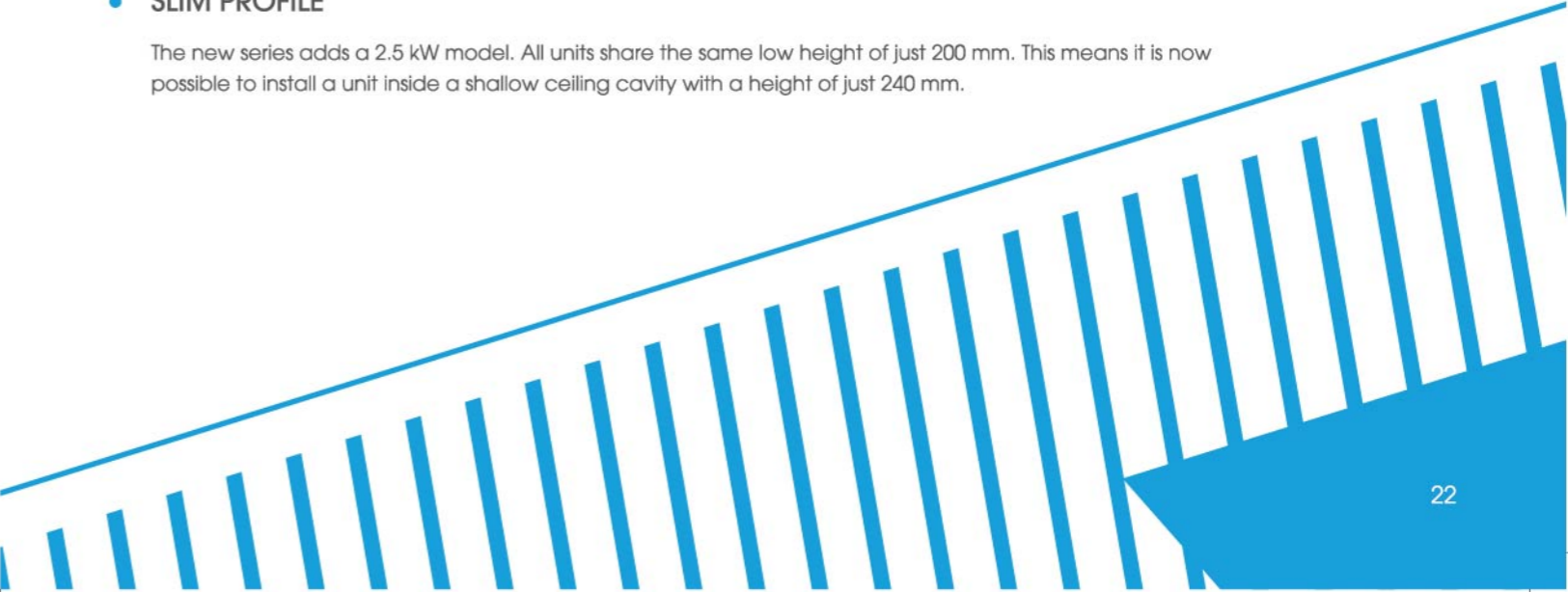
Feature	Comfort			Work & Servicing		Control Features		Others
	Switchable fan speed	Programme "Dry"	Hot start	Pre-charged for up to 10m	Self-diagnosis function	Auto-restart	Automatic cool/heat change-over	PE fin
Model								
Heat Pump	•	•	•	•	•	•	•	•

COMFORT

- QUIET OPERATION**
Indoor Unit Quiet Operation provides a low sound level of 29 dB(A) and Outdoor Unit Quiet Operation provides a low sound level of 44 dB(A) for FDXS25C.
- SMOOTH FINISH**
The only visible signs of these unobtrusive units are their discharge grilles. They fit completely inside the ceiling to maintain the original décor of a room. Each unit comes with its own wireless remote controller.

WORK & SERVICING

- SLIM PROFILE**
The new series adds a 2.5 kW model. All units share the same low height of just 200 mm. This means it is now possible to install a unit inside a shallow ceiling cavity with a height of just 240 mm.





FLOOR STANDING TYPE

FVQ Series
Cooling Only & Heat Pump



Comfort through new airflow control.




FVQ71~140 (COOLING ONLY)	7.1 kW ~ 13.5 kW	Cooling
FVQ71~140 (HEAT PUMP)	7.1 kW ~ 13.5 kW	Cooling
	8.0 kW ~ 16.0 kW	Heating

ACCESSORY REQUIRED FOR INDOOR UNIT

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

FVQ-CVEB

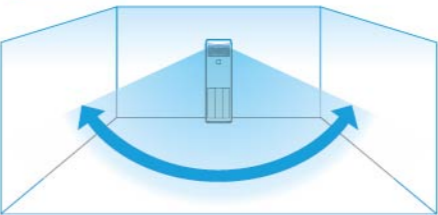
Feature	Comfort										Cleanliness	Work & Servicing				Control Features				Others						
	Auto swing	Independent up-and-down airflow	Switchable fan speed (3 step)	High fan speed mode	Programme "Dry"	Two selectable temperature sensors	Hot start (after defrost)	Year-round cooling applicable	Night quiet operation	Timer selector	Weekly schedule timer	Anti-bacterial air filter	Pre-charged for up to 30 m	Long-life filter	Filter sign	Low gas pressure detection	Emergency operation	Self-diagnosis function	Auto-restart	Auto-cooling/heating change-over	Control by 2 remote controllers	Group control by 1 remote controller	External command control	Central remote control	Interlock control	Anti corrosion treated heat exchangers
Cooling Only	●	●	●	*1	●	*2	—	—	*3	●	*4	●	*3	●	●	*3	●	●	●	—	●	●	●	●	●	*3
Heat Pump	●	●	●	*1	●	*2	●	●	*3	●	*4	●	*3	●	●	*3	●	●	●	●	●	●	●	●	●	*3

*1Applicable for FVQ71/100 *2Applicable when wired remote controller is used *3For outdoor units *4Applicable when BRC1E62 is used

COMFORT

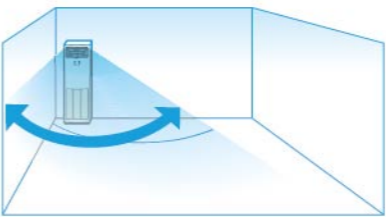
- NEW COMFORTABLE AIRFLOW CONTROL
 - 1. Left And Right Directions (By Remote Controller)
- Auto swing direction is selectable from 3 patterns to suit the layout of the room.

Pattern 1 Wide swing toward the front

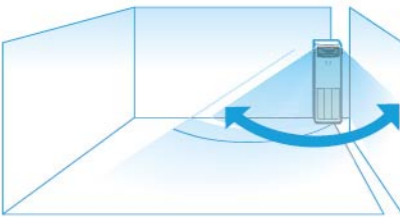


When installed in the center of a wall.

Pattern 2 Swing on the left side



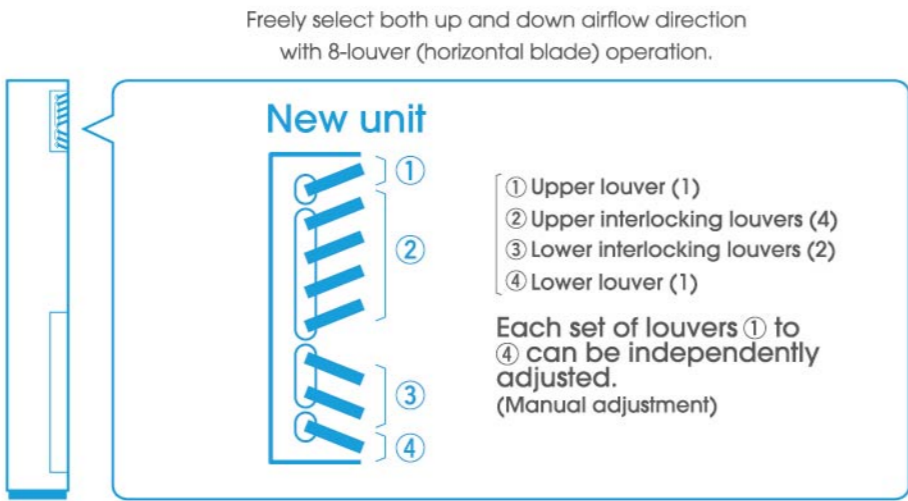
Pattern 3 Swing on the right side



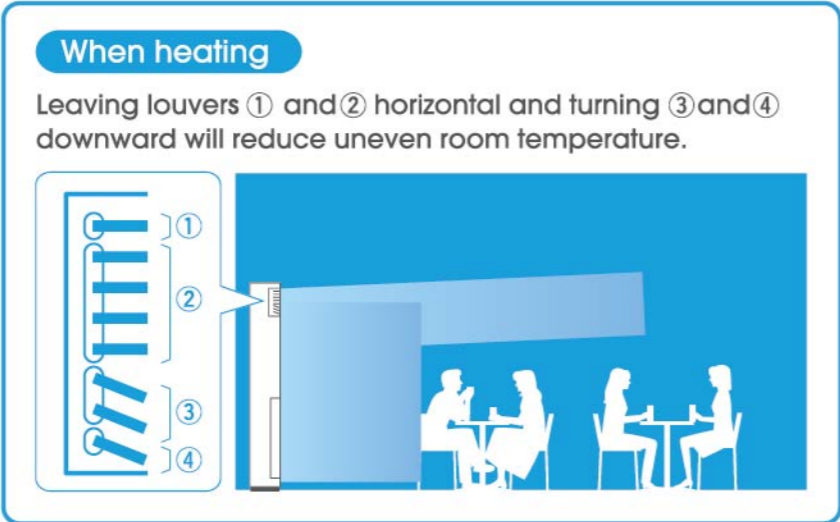
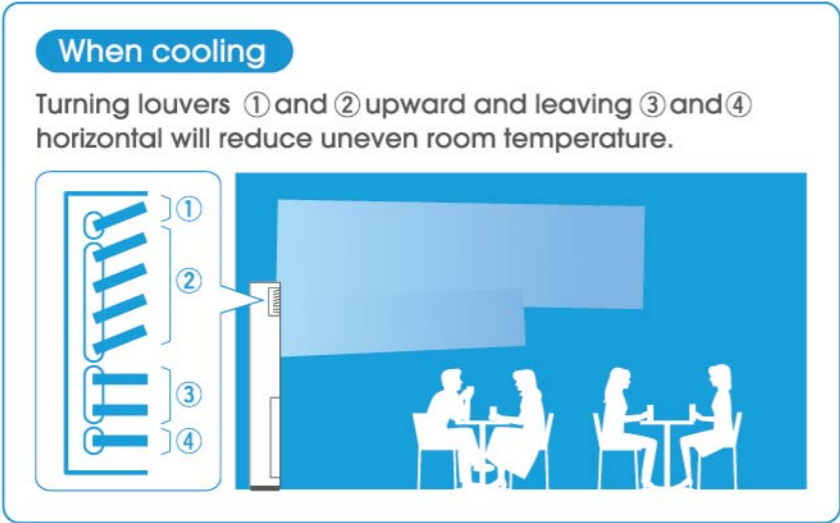
When installed in the corner of a room.

2. Up And Down Directions (By Hand)

Independent up and down airflow directions facilitate even room temperature and help save energy.



Example applications



- **COMFORTABLE FAN SPEED CONTROL**
- **HIGH FAN SPEED MODE (ONLY FVQ71/100)**
To carry airflow to the far side of the room, airflow rate can be increased 5% or 10% dependin on the installation condition or customer's request (Field setting by remote controller).
- **SWITCHABLE FAN SPEED: High/Middle/Low**
- **PROGRAMME "DRY"**
Dehumidification is micro-processor controlled to prevent abrupt and uncomfortable changes in air temperature.
- **ENERGY-SAVING**
A DC fan motor improves efficiency.

QUIET OPERATION

Indoor unit	High	Middle	Low
71 C	43	41	38
100 C	50	47	44
125 C	51	48	46
140 C	53	51	48

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

- **QUICK AND EASY INSTALLATION AND MAINTENANCE**

WORK & SERVICING

- **LIGHTWEIGHT INDOOR UNIT**
Enables smooth transport and installation of the indoor unit.

Indoor unit	71 C	100 C	125 C	140 C
Weight	39	47	47	47

- **LONG-LIFE FILTER LASTS ABOUT 1 YEAR*, MAINTENANCE NOT REQUIRED**
*For dust concentration of 0.15 Mg/ M
- **EMPLOYS A SAFETY LOCK FUNCTION OF SUCTION GRILLE**
The Grille Will Not Open Even Upon Impact.
- **EASIER CONNECTION WITH THE CENTRALISED CONTROL SYSTEM**



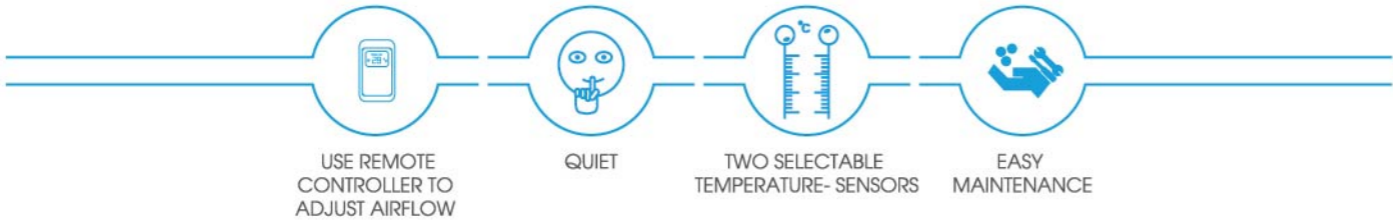
DUCT CONNECTION MIDDLE HIGH STATIC PRESSURE TYPE

FBQ Series
Cooling Only & Heat Pump



R-410A

Flexible use of space is made possible using ducts to create a room filled with comfort.



FBQ50~140D (COOLING ONLY)	5.0 kW ~ 14.0 kW	Cooling
FBQ71~140D (HEAT PUMP)	7.1 kW ~ 13.1 kW	Cooling
	8.0 kW ~ 16.0 kW	Heating

ACCESSORY REQUIRED FOR INDOOR UNIT

WIRED LCD REMOTE CONTROLLER

Standard



BRC1C61

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

WIRED LCD REMOTE CONTROLLER WITH WEEKLY SCHEDULE TIMER

Option



BRC1D61

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.

BRC4C64 (Cooling Only)
BRC4C62 (Heat Pump)



Signal receiver unit
(Separate 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

FBQ-DV1

Feature	Comfort					Cleanliness	Work & Servicing					Control Features					Options	Others								
	Switchable fan speed (2 step)	Programme "Dry"	Two selectable temperature-sensors	Hot start (after defrost) applicable	Year-round cooling applicable	Night quiet operation	Timer selector	Weekly schedule timer	Anti-bacterial air filter	Silver ion anti-bacterial drain pan	Drain pump mechanism	Pre-charged for up to 30 m	Long-life filter	Filter sign	Low gas pressure detection	Emergency operation	Self-diagnosis function	Auto-restart	Auto-cooling/heating change-over	Control by 2 remote controllers	Group control by 1 remote controller	External command control	Central remote control	Interlock control	High-efficiency filter	Anti corrosion treated heat exchangers
Cooling Only	●	●	*1	—	—	*2	●	*3	*4	●	●	*2	*4	●	*2	●	●	●	—	●	●	●	●	●	●	*2
Heat Pump	●	●	*1	●	●	*2	●	*3	*4	●	●	*2	*4	●	*2	●	●	●	●	●	●	●	●	●	●	*2

*1Applicable when wired remote controller is used *2For outdoor units *3Applicable when BRC1D61 or BRC1E62 is used *4Option

COMFORT

QUIET OPERATION

Indoor unit	50 D	60 D	71 D	100 D	125 D	140 D
High	37	37	37	38	40	40
Low	32	32	32	33	36	36

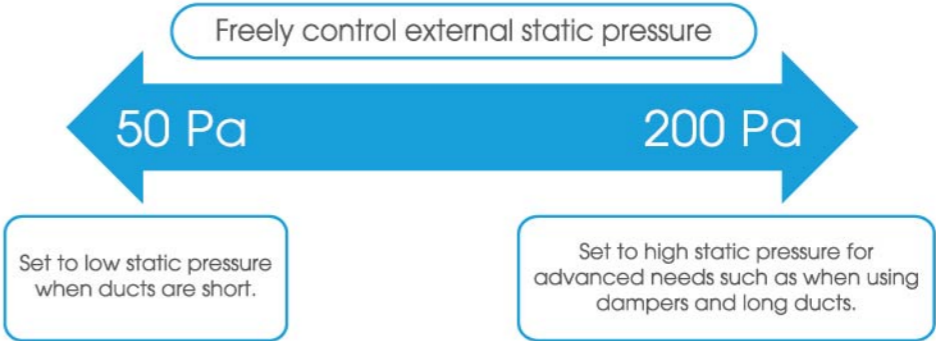
• TWO SELECTABLE TEMPERATURE-SENSORS

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 must be set during commissioning by the technicians.

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.

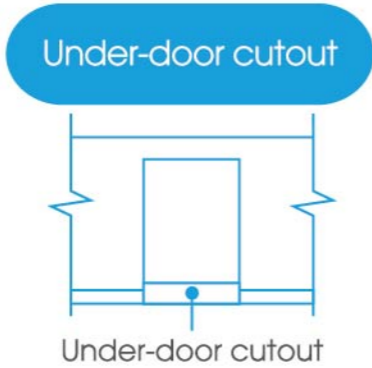
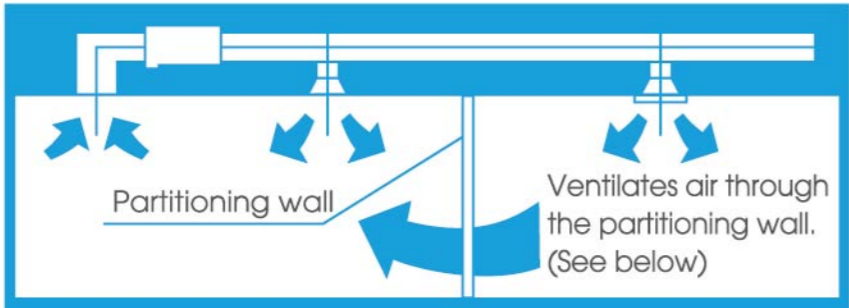
• INCREASED FREEDOM OF DESIGN, THANKS TO VARIABLE CONTROL OVER EXTERNAL STATIC PRESSURE

Comfort airflow achieved in accordance with conditions such as duct length. Using a DC fan motor, the external static pressure can be controlled within a range of 50 Pa to 200 Pa.



• **SIMULTANEOUS AIRCONDITIONING OF TWO ROOMS AND VENTILATION GRILLE (VENTILATION OPENING)**

When airconditioning two rooms simultaneously, the air discharged into each room must be circulated back to the air conditioner. To achieve this, a ventilation duct should be installed for each room or one of the indicated ventilation grilles should be installed on the partitioning wall or under the door between the rooms.



Note: The under-door cutout method should be used only when there is a small volume of airflow.

CLEANLINESS

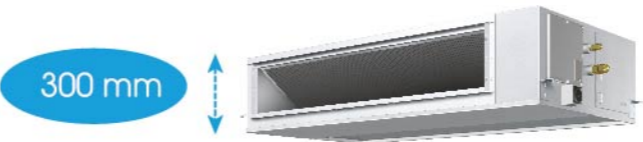
• **BACTERICIDAL TREATMENT FOR DRAIN PAN**

Anti bacterial treatment, that includes silver ions, is used which assists in preventing the growth of microorganisms that cause smells and clogging.

WORK & SERVICING

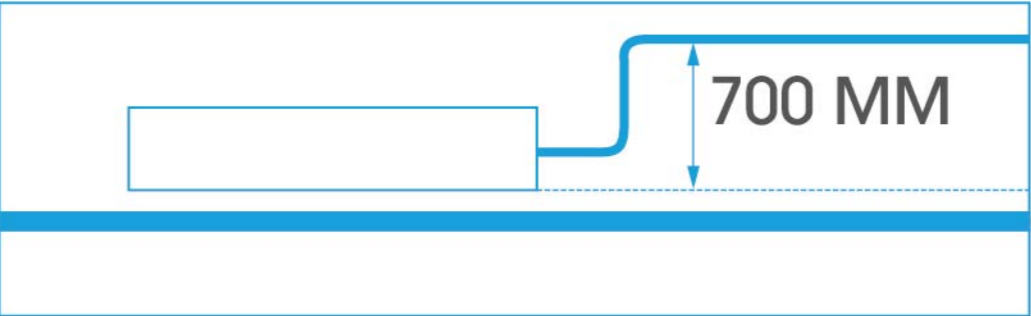
• **THIN, LIGHTWEIGHT INDOOR UNIT MAKES DELIVERY AND INSTALLATION EASY**

With a height of only 300 mm, installation is possible even in buildings with narrow ceiling spaces.



Indoor unit	50 D	60 D	71 D	100 D	125 D	140 D
Height (mm)	300					
Width (mm)	1,000			1,400		
Depth (mm)	700					
Machine Weight (kg)	36			46		

Drain pump is equipped as standard accessory with 700mm lift.



• **REDUCED INSTALLATION TIME**

Use Remote Controller To Adjust Airflow

When testing standard integrated ceiling units that employ duct work, much time used to be required to adjust airflow to the right level. Thanks to the ability provided by Daikin to automatically perform this troublesome adjustment using a remote controller, this step is now quick and easy. (Adjust by H tap).

1. Adjust to approximately $\pm 10\%$ of the rated H tap airflow.
2. Once actual operation has begun, adjustment of the rated airflow is not possible.

• **EASY MAINTENANCE**

Maintenance is easy because the drain pan can be removed.



WALL MOUNTED TYPE

FAQ Series
Cooling Only & Heat Pump



Top class in the industry for compactness and silence. Wall mounted air conditioners demand this kind of performance.

IMPROVED AIRFLOW

COMFORT EVEN ON THE FAR SIDE OF THE ROOM

SOPHISTICATED DESIGN

DRASTIC SIZE REDUCTION

LOW GAS PRESSURE DETECTION

EASIER TO INSTALL & SERVICE

FAQ71~100 (COOLING ONLY)	7.1 kW ~ 10.0 kW	Cooling
FAQ71~100 (HEAT PUMP)	7.1 kW ~ 10.0 kW	Cooling
	8.0 kW ~ 11.2 kW	Heating

ACCESSORY REQUIRED FOR INDOOR UNIT

WIRED LCD REMOTE CONTROLLER

Standard

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.

Signal receiver unit (Installed type)

FEATURES

Feature	FAQ									
	Model	Auto swing	Draft prevention function (heating)	Switchable fan speed	Auto airflow rate	High fan speed mode	Program "Dry"	Two selectable temperature sensors ⁽¹⁾	Hot start (after defrost)	Year-round cooling applicable
Cooling Only		•	•	• (3 steps)	•	•	•	•	•	•
Heat Pump		•	•	•	•	•	•	•	•	•

Feature	Remote Controller	Clean-ness	Work & Servicing	Control Features	Others
	Setpoint auto reset ^(3, 4)	Mould-proof air filter	Pre-charged for up to 30 m ⁽²⁾	Auto-cooling/heating change-over	Auto-restart
	Weekly schedule timer ^(3, 4)	Drain pump mechanism	Filter sign	Control by 2 remote controllers	Auto-cooling/heating change-over
	Off timer (programmed) ^(3, 4)	Low gas pressure detection ⁽²⁾	Emergency operation	Group control by 1 remote controller	Control by 2 remote controllers
	On/off timer ^(4, 5)	Self-diagnosis function	Emergency operation	External command control	Auto-restart
				Central remote control	Auto-cooling/heating change-over
				Interlock control	Control by 2 remote controllers
				DII-NET communication standard	Group control by 1 remote controller
				Anti corrosion treated heat exchangers ⁽²⁾	External command control

Note: • Functions exist; *1: Applicable when wired remote controller is used; *2: For the outdoor units; *3: Applicable when BRC1D61 or BRC1E62 is used; *4: Applicable when BRC1C61 is used; *5: Applicable when BRC1D61 or BRC1E62 is used; *6: Applicable when BRC1C61 is used

1 TR (Tons of Refrigeration) = 3.517 kW

COMFORT

FAQ

- IMPROVED AIR BLOW MODES ENSURE COMFORTABLE AIR DISTRIBUTION ACROSS THE ENTIRE ROOM.

AUTO SWING

Auto swing from 10° to 70°.

5-LEVEL BLOW DIRECTION SETTING

Settable to 5 different levels between 10° to 70°.

AUTO BLOW DIRECTION CONTROL

Last blow direction is saved in memory and automatically set the next time the unit is turned ON. (Factory setting is 10° for cooling and 70° for heating).

- SWITCHABLE FAN SPEED: HIGH/LOW PROGRAMME "DRY"

Dehumidification is computer controlled to prevent abrupt and uncomfortable changes in air temperature.

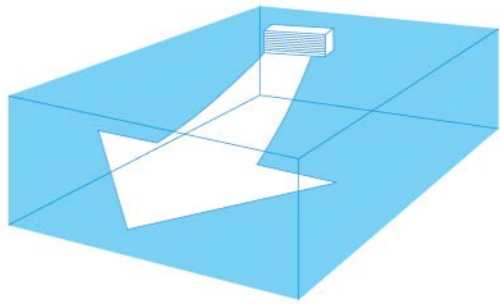
- TWO SELECTABLE THERMO-SENSORS

Both indoor unit and wired remote controller (option) contain thermo-sensors. Temperature detection can be set at the unit or, to further improve comfort level, closer to the target area at the wired remote control.

Thermo-sensor on indoor unit must be used when the air conditioner is controlled from another room. (Wireless remote controller does not have a thermo-sensor).

- COMFORT EVEN ON THE FAR SIDE OF THE ROOM

To carry air to the far side of long rooms, extra-high air blow adds 10% more fan speed to the "high" setting. Air blow strength is selected from the remote controller.



- 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.



NON INVERTER SERIES



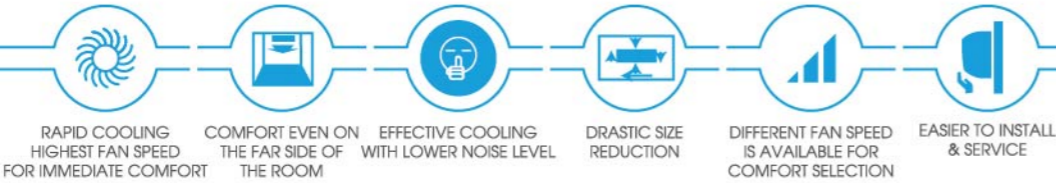
WALL MOUNTED TYPE

FTN Series
Cooling Only



R-410A

Top class in the industry for compactness and silence.
Wall mounted air conditioners demand this kind of performance.



FTN80JXV16 (COOLING ONLY) 8.2 kW

ACCESSORY REQUIRED FOR INDOOR UNIT

WIRELESS LCD
REMOTE CONTROLLER Standard

BRC52A62

FEATURES

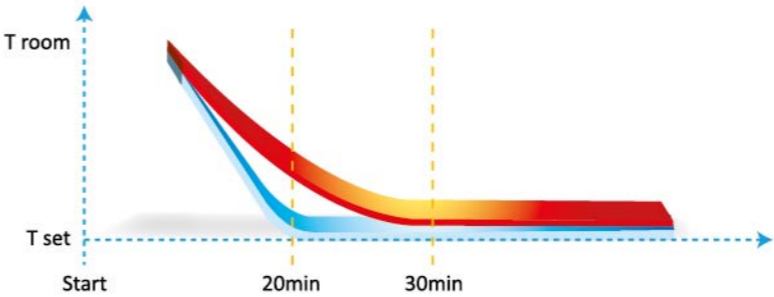
FTN80JXV16

Feature	Comfort					Airflow				Work & Servicing	IAQ	Fin Type	Control Features			Power Supply		
	Quiet Mode	Dry Mode	Auto Mode	Sleep Mode	Turbo Mode	Selectable Fan Speed	Automatic Vertical Swing	Manual Horizontal Airflow	4 Way Air Discharge	8 Way Air Discharge	Self Diagnosis	Built-in High Head Drain Pump	Washable Saranet Filter	Anti Corrosion Hydrophilic Gold Fin	With Wireless Remote Controller	With Wired Remote Controller	Auto Random Restart	Power From Outdoor
Model																		
Cooling Only	•	•	—	•	•	•	•	•	—	—	—	—	•	•	•	—	•	•

*Option
1 TR (Tons of Refrigeration) = 3.517 kW

COMFORT

- **STYLISH FLAT-PANEL**
Ideal blend of style and function. Regular cleaning is easier by just wiping the flat front panel. This ensures the air-conditioner looks brand new at all time.
- **TURBO MODE**
Once it is activated the air-conditioner will run on full power with the indoor fan running at MAX speed for 20 minutes. This enables the set temperature to be achieved faster. If TURBO and SLEEP are activated at the same time, the SLEEP mode timer will be reset, it will resume after TURBO function is cleared.



- **LOWER SOUND LEVEL**
With up to five selectable fan speeds, users are given more choices. By selecting Quiet mode, the sound pressure level can be reduced to an unobtrusive 39 dBA.
- **COMPACT & EASY-TO-USE HANDSET**
 1. Prominent 40 mm LCD display.
 2. Real time clock display.
 3. Dedicated buttons for Quiet and Turbo functions.

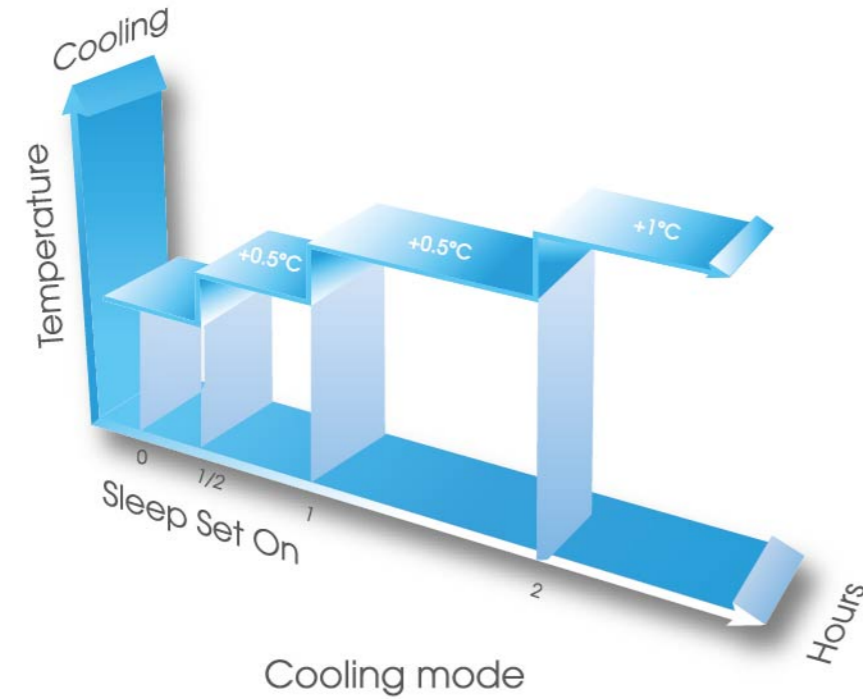
39 dBA



- **LONGER PIPING LENGTH (UPTO 45 m)**

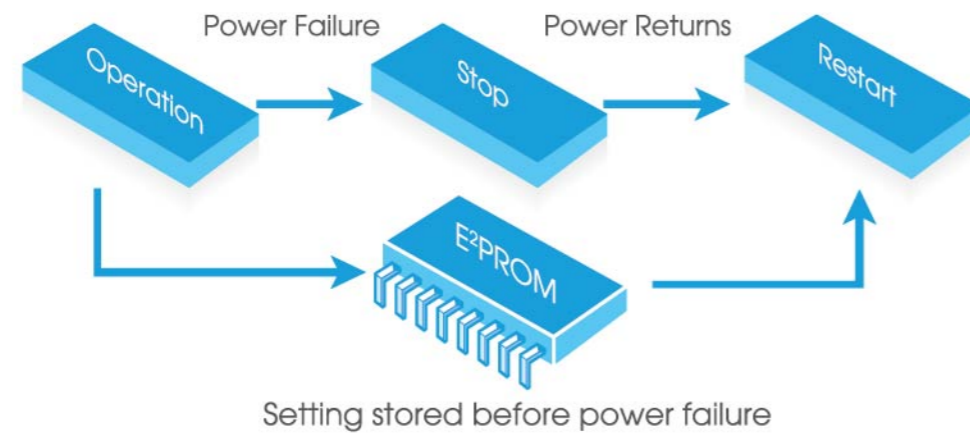
• SLEEP MODE

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.



• 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.



Higher cooling capacity wall mounted unit with the key features below:

- Uniform Air Distribution
Automated air swing ensures conditioned air is distributed evenly.
- Quiet Operation
Random-pitched fan blade delivers high air flow at lower sound level.
- Easy Maintenance
Air intake grille is easily detachable to be cleaned with water.



FLOOR STANDING TYPE

FVRN & FVQN Series
Cooling Only & Heat Pump

**R-410A**

An ideal way of saving space with style and functionality, with its ease of installation. It is suited to be installed in offices, commercial shops, restaurants and showrooms.



FVRN71~140 (COOLING ONLY)	8.2 kW ~ 16.1 kW	Cooling
FVQN71~140 (HEAT PUMP)	8.2 kW ~ 16.1 kW	Cooling
	8.1 kW ~ 16.0 kW	Heating

ACCESSORY REQUIRED FOR INDOOR UNIT



FEATURES

FVRN-AXV1

Model	Feature	Comfort					Air Flow			IAQ	Fin Type	Controller			Power Supply	Options	Others		
		Turbo Mode	Quiet Mode	Dry Mode	Auto Mode	Sleep Mode	Selectable Fan Speed	Manual Vertical Swing	Automatic Horizontal Swing	Washable Saranet Filter	Plasma (optional)	Anti Corrosion Hydrophilic Gold Fin	With Wireless Controller	With Wired Controller (optional)	Auto Random Restart	Power From Outdoor	Condensate Water Drain Pump	Large Buttons On Control Panel	Keylock For Prevention Of Setting Change
Heat Pump		•	•	•	—	•	•	•	•	•	•	•	1	•	•	1	•	•	•
Cooling Only		•	•	•	•	•	•	•	•	•	•	•	1	•	•	1	•	•	•

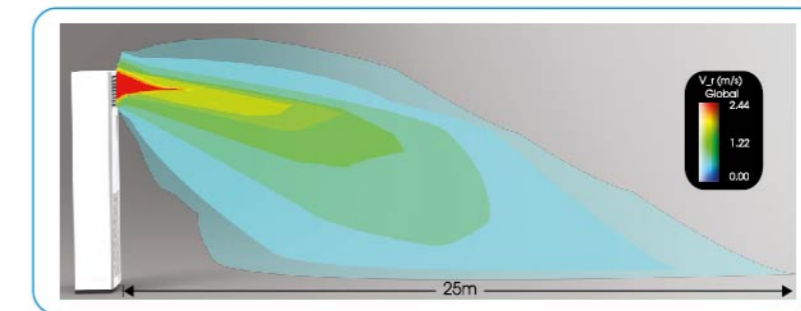
*Option

1 TR (Tons of Refrigeration) = 3.517 kW

COMFORT

FLOOR STANDING AIR FLOW

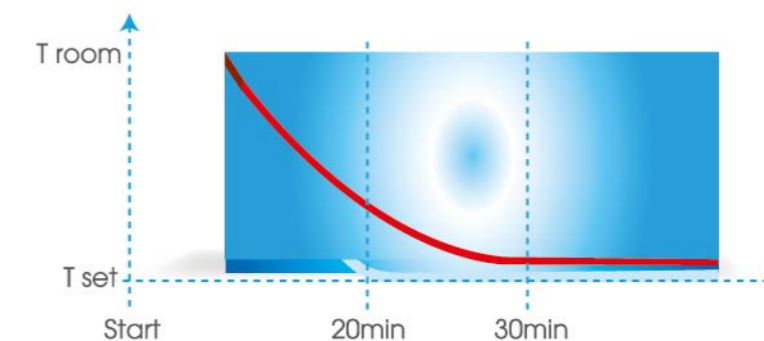
The floor standing is able to achieve air flow distance up to 25m*.



*Note: Based on size 140

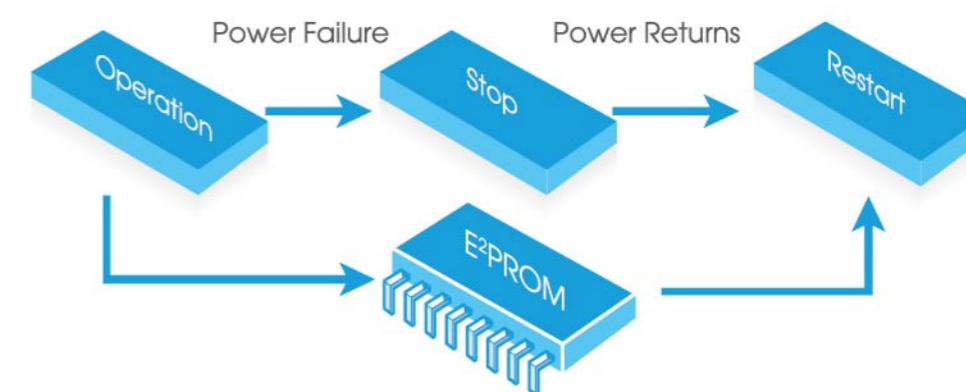
TURBO MODE

Once Turbo Mode is activated, the floor standing will run on full power with the indoor fan running at maximum speed for 20 minutes. This enables the set temperature to be achieved faster.



AUTO RANDOM RESTART WITH LAST-STATE-MEMORY

In the event of a sudden power failure during operation, the floor standing restarts automatically in 64 different recovery timing patterns (within 180 seconds to 244 seconds) and it will operate based on the previous settings (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.

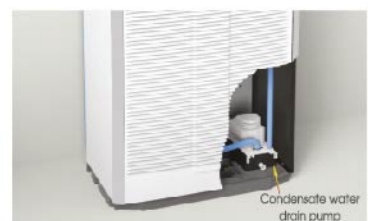


Setting stored before power failure

WORK & SERVICING

LOCATION OF CONDENSATE WATER DRAIN PUMP

* CONDENSATE WATER DRAIN PUMP IS OPTIONAL, SEPARATELY PURCHASED AND FIELD INSTALLED.



Piping

Floor Standing Type

SAFETY CACHE DURING REMOVAL OF FILTER FOR PREVENTION OF ACCESS TO ELECTRICAL AND MECHANICAL PARTS



REMOVABLE WASHABLE SARANET FILTER



AIR FLOW

AUTO SWING

Left and right auto swing to cool the corners of the room.



Auto horizontal swing



Manual setting of vertical airflow louvers

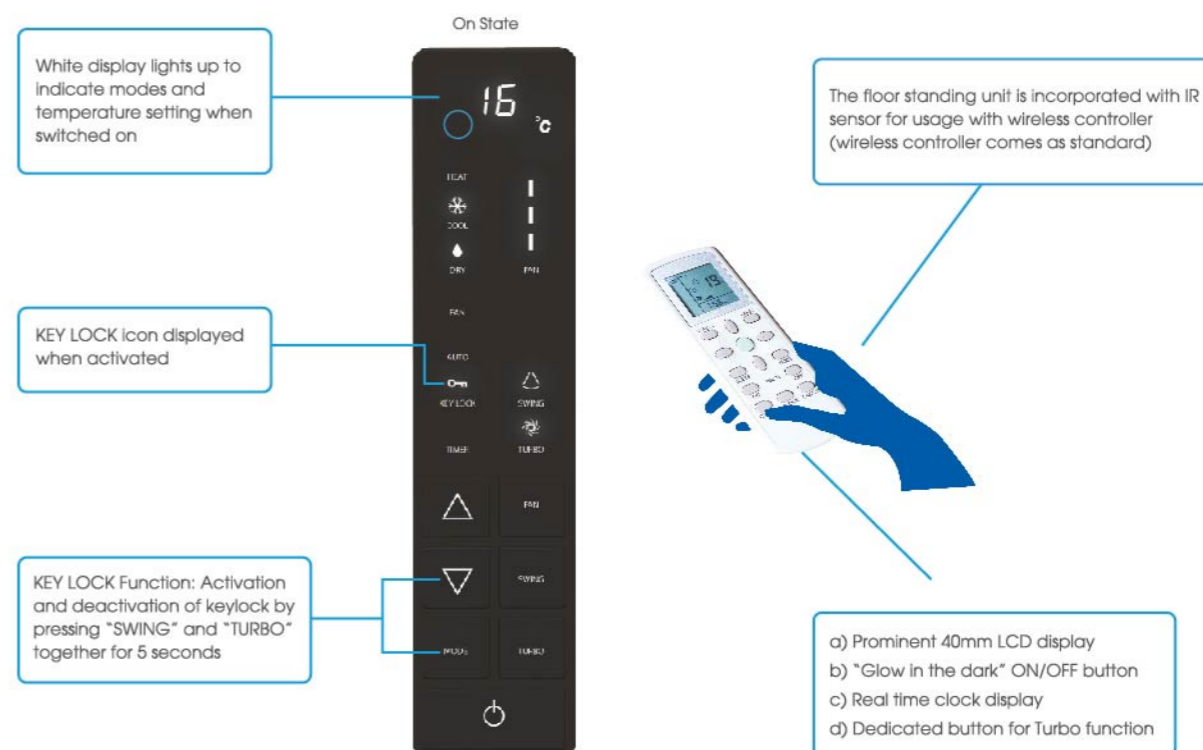
CONTROLLERS

The floor standing unit can be controlled by following methods:

- Settings by pressing the control panel on the unit
- Settings by using the wireless controller (wireless controller comes as standard)
- Settings by wired remote controller (optional)

FLOOR STANDING CONTROL PANEL

A stylish black control panel with white LED light for crisp clear display.



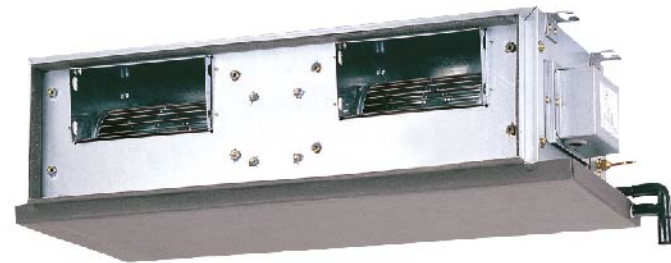
OTHERS

- SPACE IN THE UNIT BELOW THE FAN ABLE TO ACCOMMODATE DRAIN PUMP, DEPENDING ON DRAIN PUMP SIZE (DRAIN PUMP IS OPTIONAL, SEPARATELY PURCHASED AND FIELD INSTALLED)
- LARGE BUTTONS ON CONTROL PANEL FOR EASE OF USE
- ERROR CODE DISPLAY ON THE SEVEN-SEGMENT OF THE CONTROL PANEL INDICATES BY BLINKING
- KEYLOCK FOR PREVENTION OF SETTING CHANGE BY UNAUTHORIZED PERSONNEL



CEILING CONCEALED SERIES

FDMRN & FDMQN Series
Cooling Only & Heat Pump

**R-410A**

Enhance the décor of your room with the new unobtrusive concealed series.



FDMRN25~140 (COOLING ONLY)	2.4 kW ~ 16.1 kW	Cooling
FDMQN25~140 (HEAT PUMP)	2.8 kW ~ 16.1 kW	Cooling
	2.8 kW ~ 16.1 kW	Heating

ACCESSORY REQUIRED FOR INDOOR UNIT

WIRED HANDSETS

Standard



BRC51A62
(Cooling Only)
BRC51A61
(Heat Pump)

WIRELESS HANDSETS

Option



BRC52A62
(Cooling Only)



BRC52A61
(Heat Pump)

FEATURES

FDMR(Q)N

Feature	Comfort						IAQ	Fin Type	Controller				Protection		Power Supply	
	Auto Fan Speed	Auto Mode	Auto Defrosting	Dry Function	Fan Only Function	Sleep Mode	Washable Saranet Filter	Anti Corrosion Hydrophillic Gold Fin	Wireless Controller	Wired Controller	24 Hour On/Off Timer	Delay Timer	Self Diagnosis Display	Auto Random Restart	Hydrophillic Gold Fin Outdoor Heat Exchanger	Power from Outdoor
Model																
Heat Pump	●	●	●	●	●	●	●	●	● ¹	●	●	●	●	●	●	●
Cooling Only	●			●	●	●	●	●	● ¹	●	●	●	●	●	●	●

*1 Option

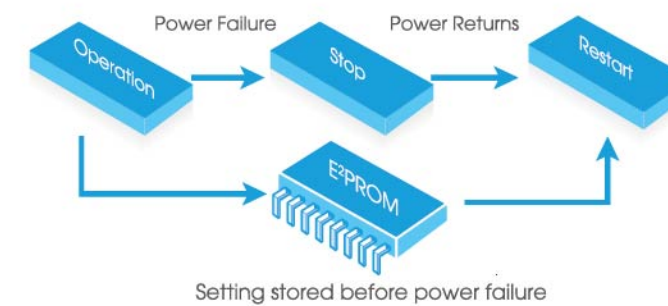
1 TR (Tons of Refrigeration) = 3.517 kW

Excellent Air Distribution

The conditioned air can be distributed evenly to every corner of the room through ducting. This helps to create a pleasant environment and maintain comfort. Furthermore, multiple areas can be conditioned simultaneously by using just one indoor unit.

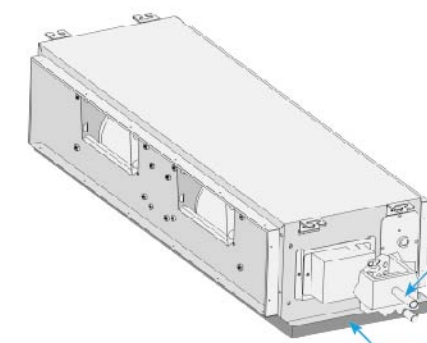
Auto Random Restart with Last-State-Memory

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.



Double Protection Drainage System

The primary drain pan is designed with high thermal insulation material and moulded in gradient for better condensate water drainage. The extra secondary drain pan "built in" to the standard unit offers extra protection against possible water leaking problems.



Primary Drain Pan
Polystyrene (Ps) With
Height Impact
Polystyrene (Hips) Cover

Secondary Drain Pan With Insulation

Flexibility In System Design

The unit offers fan motor that can operate up to 4 speeds, thus providing choices of external static pressure for designing ducting system.

Self Diagnosis Features

The microprocessor provides the possibility to detect and to diagnose any faults that occurs in the system. Faults are displayed as error code in the wired controller. This will ease the troubleshooting process.





OUTDOOR
UNITS



NEW COMPACT OUTDOOR UNIT - INVERTER

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

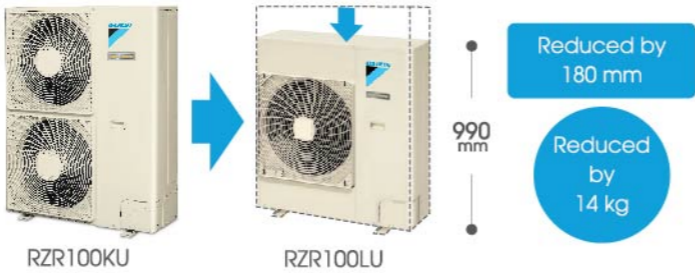
■ Allowed refrigerant piping length & level difference		
	RZR50-140LU RZQ71KC	RZQ100-140KC RZQ100-140HA
Pre charged ¹	30 m	
Max. length	50 m (Equivalent length 70m)	75 m (Equivalent length 90m)
Max. level difference	30 m	

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 (RZR100LU)
Height 1,170 mm	990 mm
Weight 92 kg	78 kg



4-DIRECTION PIPING OFFERS GREATER LAYOUT FREEDOM

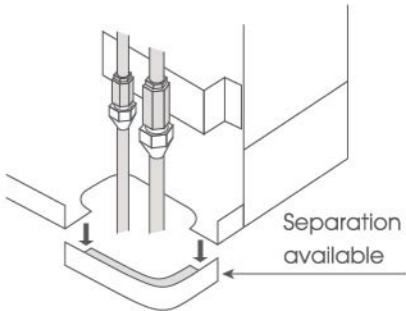
(Not applicable for RZR50-71)
The outer panel for the piping connection part of the front, right side and back can be removed and is easier for post-installation piping work.

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

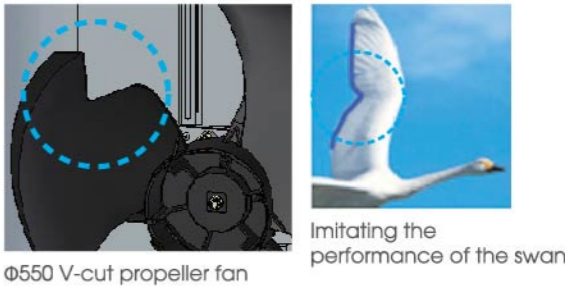
LOW GAS PRESSURE DETECTION FUNCTION

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



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.



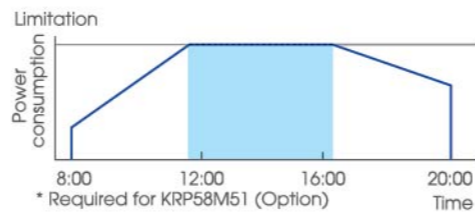
DURABILITY

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	
Aluminium	Aluminium
Hydrophilic film	Corrosion resistant acrylic resin

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.



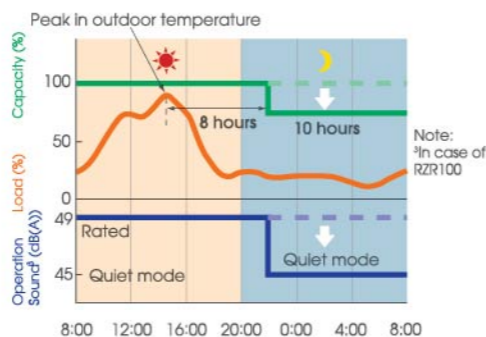
NIGHT TIME QUIET OPERATION FUNCTION

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
RZR50/60LU	—	48	44
RZR71LU	RZQ71KC	48	44
RZR100LU	RZQ100KC/100HA	49	45
RZR125LU	RZQ125KC/125HA	50	45
RZR140LU	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.

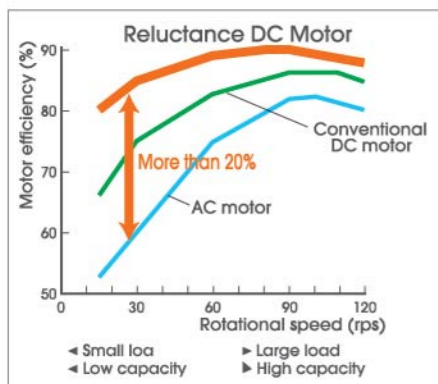


TECHNOLOGY FOR ENERGY EFFICIENCY

The High Efficiency Compressor to achieve a high COP.

COMPRESSOR EQUIPED WITH RELUCTANCE DC MOTOR

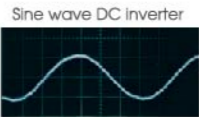
Daikin DC Inverter models are equipped with the Reluctance DC motor for compressor. The Reluctance DC motor uses 2 different types of torque, neodymium magnet^{*1} and reluctance torque^{*2}. This motor can save energy because it generates more power with a smaller electric power than an AC or conventional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



Note: Data is based on studies conducted under controlled conditions at a Daikin laboratory.
*1. A neodymium magnet is approximately 10 times stronger than a standard ferrite magnet.
*2. The torque created by the change in power between the iron and magnet parts.

SMOOTH SINE WAVE DC INVERTER

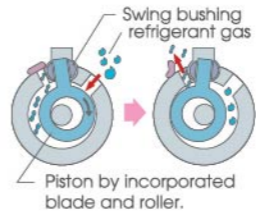
Use of an optimised sine wave smoothes motor rotation, further improving operating efficiency.



RZR50/60/71/100LUV1 RZQ50/60KB, RZQ71KC

>> Swing compressor

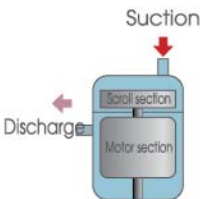
Energy savings are realised, eliminating the friction and the leakage of refrigerant gas.



RZR125/140LUV1, RZR100/125/140LUV1 RZQ100/125/140KC, RZQ100/125/140HA

>> The structural scroll

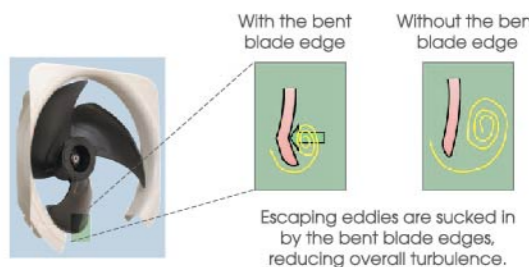
Sucked gas is compressed in the scrolling part before the heated motor, so that the machine compresses the non-expanded gas, resulting in high efficiency compression.



SMOOTH AIR INLET BELL MOUTH AND AERO SPIRAL FAN

(not applicable for RZR50-71)

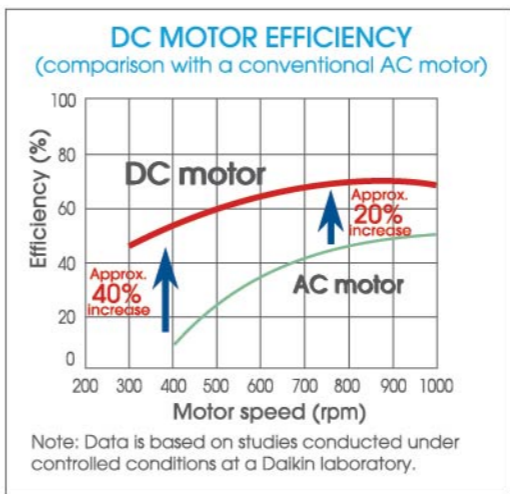
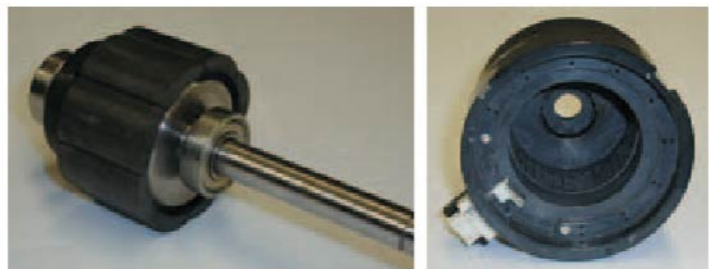
These two features work to reduce noise. Guides are added to the bell mouth intake to reduce turbulence in the airflow generated by fan suction. The Aero Spiral Fan features blades with bent edges, further reducing turbulence.



DC FAN MOTOR

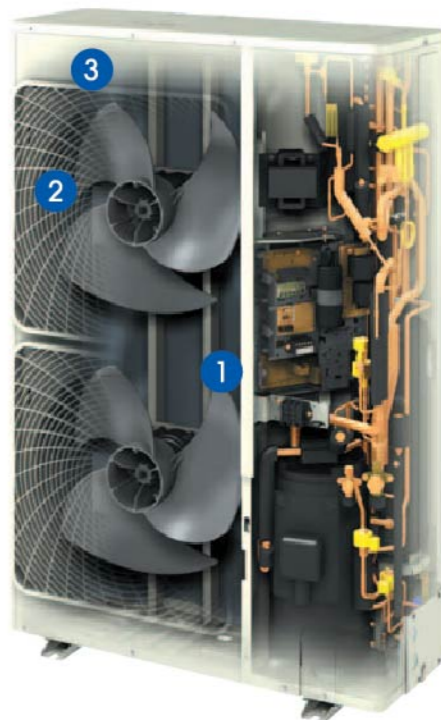
Efficiency improved in all areas compared to conventional AC motors, especially at low speeds.

DC fan motor structure



SUPER AERO GRILLE

Refined ventilation mechanism enables further reduction in required fan power.

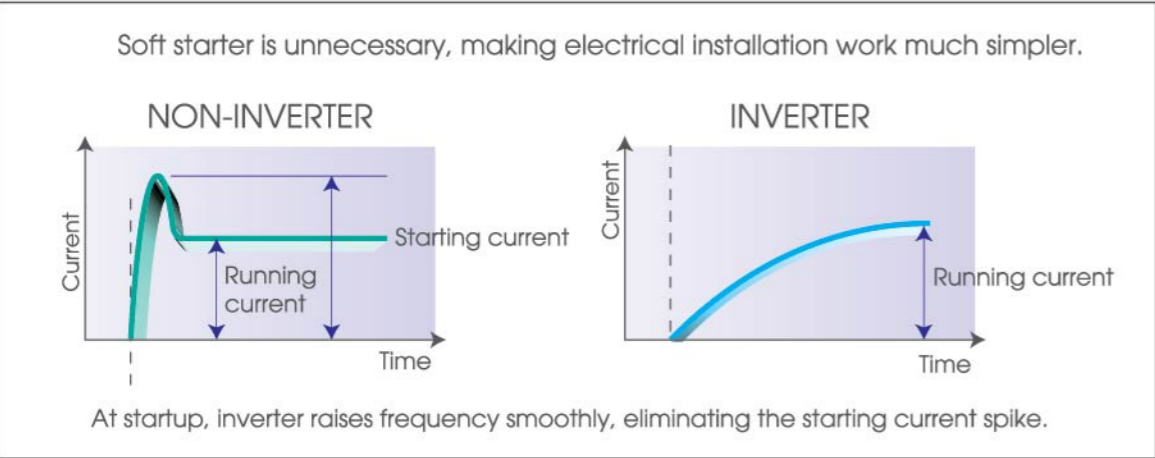
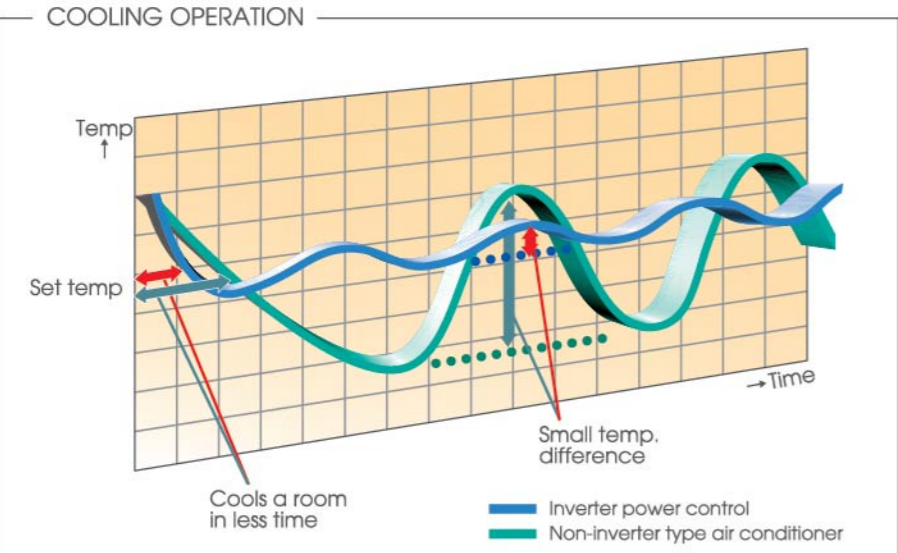


COMFORTABLE

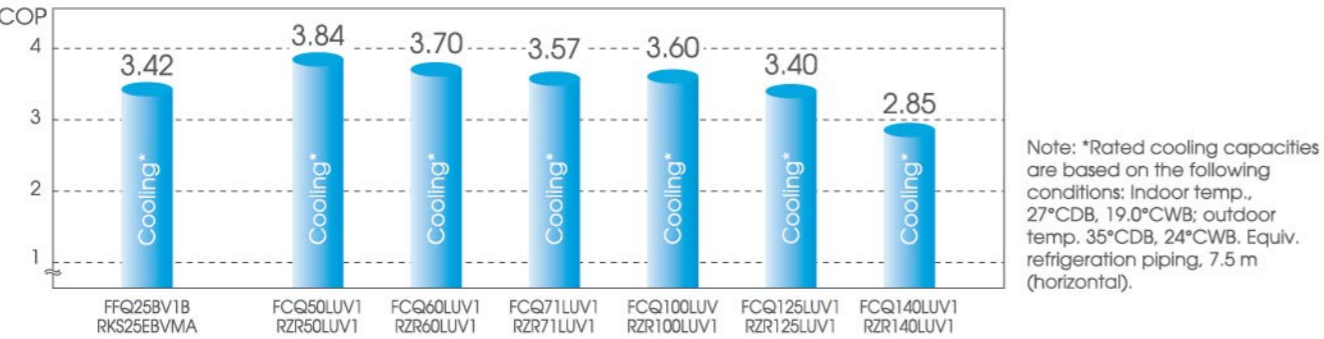
ENHANCED COMFORT WITH INVERTER

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.



ENERGY SAVING



WHAT IS COP

(Coefficient of Performance)

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



	Sound level ¹ (dB(A))	
	Rated ²	Night Quiet Mode
RZR50/60LUV1	48	44
RZR71LUV1	48	44
RZR100LUV1/Y1	49	45
RZR125LUV1/Y1	50	45
RZR140LUV1/Y1	50	46

Note: ¹Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

²Value when cooling. Value will differ when heating.



R(Y)N25/35CG



R(Y)N50/60CG

R-410A



RR(Q)71C



RR(Q)90/100/125/140D

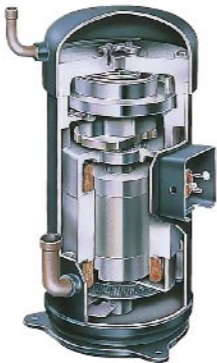
OUTDOOR UNITS - NON INVERTER

COMPACT & QUIET

EQUIPPED WITH SCROLL COMPRESSOR FOR QUIETER OPERATION

Smooth running, minimal vibration, low operating noise.
(Applicable for RR(Q)90/100/125/140D)

F/E Series		dB(A)
Cooling Only/Heat Pump Outdoor unit	Sound Level	
R(Y)N25CG		46
R(Y)N35CG		49
R(Y)N50CG		52
R(Y)N60CG		52
RR(Q)71CG		58
RR(Q)90DG		58
RR(Q)100DG		58
RR(Q)125DG		60
RR(Q)140DG		65



DURABILITY

INSTALLATION AND MAINTENANCE
(Smoother and easier)

PRE-CHARGED FOR UP TO 7.5 METRES
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
R(Y)N25CG	7.5 m	15 (12) m	10 (5) m
R(Y)N35CG	7.5 m	15 (12) m	10 (5) m
R(Y)N50CG	7.5 m	15 (15) m	8 (8) m
R(Y)N60CG	7.5 m	15 (15) m	8 (8) m
RR(Q)71CG	7.5 m	15 (15) m	8 (8) m
RR(Q)90DG	7.5 m	45 (45) m	25 (25) m
RR(Q)100DG	7.5 m	45 (45) m	25 (25) m
RR(Q)125DG	7.5 m	45 (45) m	25 (25) m
RR(Q)140DG	7.5 m	35 (35) m	15 (15) m

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



NECESSARY OPTIONAL ACCESSORY

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

(Wired Remote Controller BRC1E62)

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	Backlight display	Weekly schedule timer
Display set temperatures at both cooling and heating operations. 	Equipped backlight helps operating in dark rooms. 	The schedule timer for each day of the week can be set up easily (3 patterns).

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

SIMPLE OPERATION

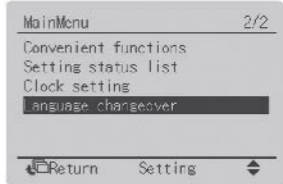
Large buttons and arrow keys
Large buttons and arrows keys for easy operation. Basic settings such as fan speed and temperature can be intuitively operated. For other settings just select the function from the menu list.



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.

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

BRC51A62



NON INVERTER

	WIRED REMOTE CONTROLLER	C/O	H/P
1	Wall Mounted Type (FTN)	—	—
2	Floor Standing Type (FVRN/FVQN)	BRC51A62	BRC51A61
3	Duct Connection Middle Static Pressure Type (FDMRN/FDMQN)	BRC51A62	BRC51A61

INVERTER

	WIRED REMOTE CONTROLLER	C/O	H/P
1	Wall Mounted Type (FAQ)	BRC1C61 (Standard) BRC1D61 BRC1E62	BRC1C61 BRC1D61 (Standard) BRC1E62
2	Ceiling Suspended Type (FHQ)	BRC1C61 BRC1D61 (Standard) BRC1E62	BRC1C61 BRC1D61 (Standard) BRC1E62
3	Floor Standing Type (FVQ)	BRC1E62	BRC1E62
4	Ceiling Mounted Slim Duct Type (FDXS)	—	BRC944B2 (Standard)
5	Duct Connection Middle High Static Pressure Type (FBQ)	BRC1C61 (Standard) BRC1D61 BRC1E62	BRC1C61 (Standard) BRC1D61 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.

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 AIRCONDITIONING 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 airconditioning 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



● NON INVERTER

	WIRELESS REMOTE CONTROLLER	C/O	H/P
1	Wall Mounted Type (FTN)	BRC52A62 (Standard)	—
2	Floor Standing Type (FVRN/FVQN)	BRC52A62 (Standard)	BRC52A61 (Standard)
3	Duct Connection Middle Static Pressure Type (FDMRN/FDMQN)	BRC52A62 (Standard)	BRC52A61 (Standard)

● INVERTER

	WIRELESS REMOTE CONTROLLER	C/O	H/P
1	Wall Mounted Type (FAQ)	BRC7EB519	BRC7EB518
2	Ceiling Suspended Type (FHQ)	BRC7EA66	BRC7EA63W
3	Floor Standing Type (FVQ)	—	—
4	Ceiling Mounted Slim Duct Type (FDXS)	—	ARC432B69
5	Duct Connection Middle High Static Pressure Type (FBQ)	BRC4C64	BRC4C62















● 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.


(Applicable For BRC-type Controller)

	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">(Command from outside)• Optional wiring adaptor for electrical appendices is necessary.	 <ul style="list-style-type: none">(Command from outside)• Optional wiring adaptor for electrical appendices is necessary.
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">Central remote controller (option)• Optional SkyAir series interface adaptor required.^{*1}	 <ul style="list-style-type: none">Central remote controller (option)• 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">Central remote controller (option)Heat Reclaim Ventilator• 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">Central remote controller (option)Heat Reclaim Ventilator• Heat Reclaim Ventilator for indoor units within a zone are operated by interlocking.• 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)



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)


Unified on/off controller
DCS301B61 (Option)



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.


Schedule timer
DST301B61 (Option)



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)

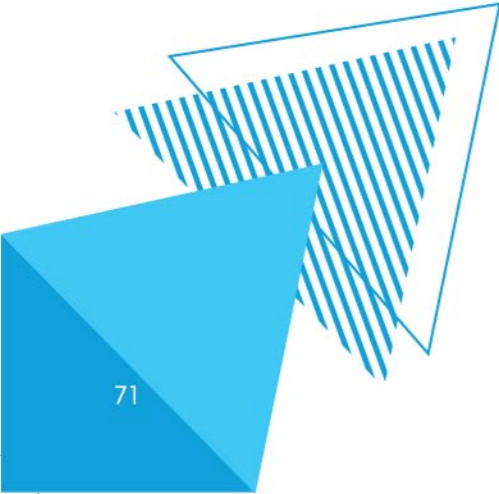
Intelligent Controlle
DCS601C51 (Option)



With its high functionality, the full colour "all-in-one" graphic controller facilitates management of Sky Air System in a variety of ways.

^{*2}The central control adaptor kit for FDB series can be made to order.

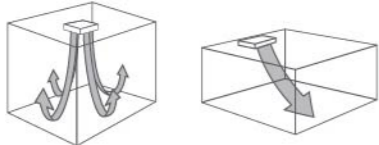
Note: DIII-net adaptor function is standard equipment for the FAY71.




FUNCTION LINE UP

Abundance of functions that provide comfortable airconditioning in stores and offices.

COMFORT

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.
HIGH FAN SPEED MODE
You can increase fan speed approximately 10% higher than the "high" setting. <ul style="list-style-type: none">• Applicable for wall mounted type.
MOULD-RESISTANT TREATMENT FOR FILTER
Sanitary filter has mould-resistant treatment.
HIGH-CEILING APPLICATION
Delivers airconditioning comfort all the way down to the floor in airconditioning zones with high ceilings. <div></div> <p>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.</p>

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. <div><ul style="list-style-type: none">• Use the thermo-sensor in the indoor unit when controlling airconditioning from another room.<p>Note: Wireless remote controllers have no thermo-sensor.</p></div>
HOT START (AFTER DEFOST)
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. <ul style="list-style-type: none">• Heat Pump/RV71-140LU: possible up to -5°C• Cooling Only/R71-140LU: possible up to -15°C (An option is required.)

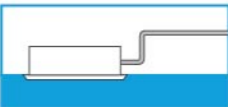
TIMER SELECTOR
Operation starts when the preset time of the ON timer elapses and stops when the preset time of the OFF timer elapses.
MILDEW PREVENTION
MILDEW-PROOFING DRAIN PAN
Mildew proofing maintains hygiene by preventing growth in highly humid conditions.
OTHERS
TWIN / TRIPLE / DOUBLE TWIN MULTI 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.

For feature applicable for particular series please refer the function line up features.

● 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 airconditioning with fresh air from outside. Convenient for places where a ventilation fan cannot be installed.

SPECIFICATIONS

CEILING SUSPENDED TYPE (Cooling Only)



			35	50	60	71	100	125	100	125			
Model Name			Indoor unit	FHQ35BVV1B	FHQ50BVV1B	FHQ60BVV1B	FHQ71BVV1B	FHQ100BVV1B	FHQ125BVV1B	FHQ100BVV1B	FHQ125BVV1B		
			Outdoor unit	RKS35BVM	RKS50FVM	RKS60FVM	RZR71LUV1	RZR100LUV1	RZR125LUV1	RZR100LUV1	RZR125LUV1		
Power supply			1 Phase, 220-240 V, 50 Hz										
Cooling capacity/ Rated (Min. - Max.)			kW	3.4 (1.2-3.7)	5.0 (1.7-5.6)	5.7 (1.7-6.0)	7.1 (3.2-8.0)	10.0 (5.0-11.2)	12.5 (5.7-14.0)	10.0 (5.0-11.2)	12.5 (5.7-14.0)		
Power consumption			kW	1.05	1.72	2.00	2.5	3.51	4.55	3.51	4.55		
Indoor unit	Colour		White										
	Airflow rate (H)	m ³ /min	13/10		17/13		17/14		24/20		30/25		
		cfm	458/353		600/458		600/494		847/706		1,059/883		
	Sound level (H/L) ²	dB(A)	37/32		38/33		39/33		42/37		44/39		
	Dimensions (H×W×D)	mm	195X950X680		195X1,160X680		195X1,400X680		195X1,590X680		195x1,400x680		
	Machine weight ¹	kg	24		25		27		32		35		
	Certified operation range	*CWB	14 to 28										
Outdoor unit	Colour		Ivory white										
	Compressor	Type	Hermetically sealed swing type						Hermetically sealed scroll type				
	Motor output	kW	0.6		1.1		1.76		2.03		2.6		
	Refrigerant charge (R-410A)	kg	1.0 (Charged for 10 m)		1.5 (Charged for 10 m)		1.6 (Charged for 30 m)		3.35 (Charged for 30 m)		3.7 (Charged for 30 m)		
	Sound level ²	Cooling	dB(A)	47		49		48		49		50	
		Night quiet mode ³	dB(A)	—		—		44		45		49	
	Dimensions (H×W×D)	mm	550X765X285		735x825x300		595X845X300		990X940X320		1,170X900X320		
	Machine weight ¹	kg	34		47		43		78		97		
	Certified operation range	*CWB	10 to 46		10 to 46		21 to 46		21 to 46		92		
	Piping connections	Liquid (Flare)	mm	Ø9.5									
Gas (Flare)		mm	Ø12.7										
Drain		Indoor unit	VP20 (1.DØ20X0.DØ26)										
Outdoor unit		Ø26.0 (Hole)											
Max. interunit piping length			m	20		30		50 (Equivalent length 70)					
Max. installation level difference			m	15		20		30					
Heat insulation			Both liquid and gas piping										

Note: ¹Rated 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).
²Anaechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.
³Numerical values are according to ISO 3741:1999.

CEILING SUSPENDED TYPE (Heat Pump)



Model Name		Indoor unit	35		50		60		71		100		125		100		125		
		Outdoor unit	FHQ35BVV1B	FHQ50BVV1B	FHQ60BVV1B	FHQ71BVV1B	FHQ100BVV1B	FHQ125BVV1B	FHQ100BVV1B	FHQ125BVV1B									
			RXS35BVM	RXS50FVM	RXS60FVM	RZQ71KCV4A	RZQ100KCV4A	RZQ125KCV4A	RZQ100HAY4A	RZQ125HAY4A									
Power supply			1 Phase, 220-240 V, 50 Hz																
Cooling capacity ¹ Rated (Min. - Max.)			kW	3.4 (1.2-3.7)	5.0 (1.7-5.6)	5.7 (1.7-6.0)	5.8 (3.2-8.0)	9.2 (5.0-11.2)	11.2 (5.7-14.0)	9.2 (5.0-11.2)	11.2 (5.7-14.0)								
Heating capacity ² Rated (Min. - Max.)			kW	4.0 (1.2-5.0)	6.0 (1.7-7.0)	7.2 (1.7-8.0)	7.5 (3.5-9.0)	10.5 (5.1-12.8)	13.5 (6.0-16.2)	10.5 (5.1-12.8)	13.5 (6.0-16.2)								
Power consumption			Cooling Heating	kW	1.05 1.11	1.72 2.04	2.00 2.49	1.77 2.32	3.26 3.77	3.70 4.35	2.85 3.26	3.56 4.35							
Indoor unit	Colour		White																
	Airflow rate (H/L)		m ³ /min cfm	13/10 458/353		17/13 600/458		17/14 600/494		24/20 847/706		30/25 1,059/883		24/20 847/706		30/25 1,059/883			
	Sound level (H/L) ³		dB(A)	37/32		38/33		39/33		42/37		44/39		42/37		44/39			
	Dimensions (HxWxD)		mm	195X960X680		195X1,600X680		195X1,600X680		195X1,590X680		195X1,590X680		195X1,590X680					
	Machine weight		kg	24		25		27		32		35		32		35			
	Certified		Cooling	°CWB															
	Operation range		Heating	°CDB															
				14 to 28 10 to 30															
Outdoor unit	Colour		Ivory white																
	Compressor	Type	Hermetically sealed swing type																
	Motor output	kW	1.6		1.1		1.7		1.9		2.4		2.3		2.7				
	Refrigerant charge (R-410A)	kg	1.0 (Charged for 10 m)		1.5 (Charged for 10 m)		2.75 (Charged for 30 m)		3.7 (Charged for 30 m)		2.4		4.3 (Charged for 30 m)		50/52				
	Sound level ⁴	Cooling/Heating ² Night quiet mode	dB(A) dB(A)	47/48		49/49		48/50 44		49/51		50/52		49/51		50/52			
	Dimensions (HxWxD)	mm	550x765x285		735x825x300		770x900x320		1,170x900x320		98		1,345x900x320		108				
	Machine weight	kg	34		48		68		98		108		108		108				
	Certified	Cooling	°CWB																
	Operation range	Heating	°CDB																
				10 to 46 -15 to 18															
Piping connections	Liquid (Flare)	mm	Ø9.5		Ø6.4		Ø12.7		VP20 (1.DØ20X0.DØ26)		Ø26.0 (Hole)		Ø26.0 (Hole)		Ø26.0 (Hole)				
	Gas (Flare)	mm	Ø9.5		Ø6.4		Ø12.7		VP20 (1.DØ20X0.DØ26)		Ø26.0 (Hole)		Ø26.0 (Hole)		Ø26.0 (Hole)				
	Drain	mm	Ø9.5		Ø6.4		Ø12.7		VP20 (1.DØ20X0.DØ26)		Ø26.0 (Hole)		Ø26.0 (Hole)		Ø26.0 (Hole)				
	Indoor unit Outdoor unit	mm mm	Ø18.0 (Hole)		Ø18.0 (Hole)		Ø18.0 (Hole)		VP20 (1.DØ20X0.DØ26)		Ø26.0 (Hole)		Ø26.0 (Hole)		Ø26.0 (Hole)				
Max. interunit piping length			m	20		30		50 (equivalent length 70)		75 (equivalent length 90)		75 (equivalent length 90)		75 (equivalent length 90)		75 (equivalent length 90)			
Max. installation level difference			m	15		20		20		20		20		20		20			
Heat Insulation			Both liquid and gas piping																

SPECIFICATIONS

FLOOR STANDING TYPE (Heat Pump)



			71		100		125		140		100		125		140					
Model Name			Indoor unit		FVQ71CWEB		FVQ100CWEB		FVQ125CWEB		FVQ140CWEB		FVQ100CWEB		FVQ125CWEB		FVQ140CWEB			
			Outdoor unit		RZQ71KCV4A		RZQ100KCV4A		RZQ125KCV4A		RZQ140KCV4A		RZQ100HAY4A		RZQ125HAY4A		RZQ140HAY4A			
Power supply					1Phase, 240V, 50Hz								3 Phase, 415V,50Hz							
Cooling capacity¹ Rated (Min. - Max.)			kW		7.1 (3.2-8.0)		10.0 (5.0-11.2)		12.5 (5.7-14.0)		13.5 (6.2-15.4)		10.0 (5.0-11.2)		12.5 (5.7-14.0)		13.5 (6.2-15.4)			
Heating capacity² Rated (Min. - Max.)			kW		8.0 (3.5-9.0)		11.2 (5.1-12.8)		14.0 (6.0-16.2)		16.0 (6.2-18.0)		11.2 (5.1-12.8)		14.0 (6.0-16.2)		16.0 (6.2-18.0)			
Power consumption			Cooling³	kW	2.33		3.28		4.39		5.40		3.28		4.39		5.40			
			Heating³	kW	2.61		3.67		4.26		5.28		3.67		4.26		5.28			
Indoor unit	Colour				Fresh white															
	Fan	Airflow rate (H/M/L)	m³/min	18/16/14		28/25/22		28/26/24		30/28/26		28/25/22		28/26/24		30/28/26				
			cfm	635/565/494		988/883/777		988/918/847		1,059/988/918		988/883/777		988/918/847		1,059/988/918				
		Sound level (H/M/L)³	dB(A)	43/41/38		50/47/44		51/48/46		53/51/48		50/47/44		51/48/46		53/51/48				
		Dimensions (HxWxD)	mm	1,850x600x270		1,850x600x350														
		Machine weight	kg	39		47														
		Certified Operation range	Cooling Heating	*CWB *CDB		14 to 25 15 to 27														
Outdoor unit	Colour				Ivory white															
	Compressor	Type	Hermetically sealed swing type		Hermetically sealed scroll type															
		Motor output	kW	1.7		1.9		2.4		3.1		1.7		2.2		2.9				
	Refrigerant charge (R-410A)	kg	2.75 (Charged for 30 m)		3.7 (Charged for 30 m)		3.7 (Charged for 30 m)		3.1		4.3 (Charged for 30 m)		4.3 (Charged for 30 m)		3.1					
	Sound level²	Cooling/Heating⁴	dB(A)	48/50		49/51		50/52		46		49/51		50/52		46				
		Night quiet mode	dB(A)	44		45		46		47		45		46		47				
		Dimensions (HxWxD)	mm	770x900x320		1,170x900x320		1,170x900x320		98		1,345x900x320		1,345x900x320		108				
Piping connections	Machine weight		kg		68		98		98		108		108		108					
		Certified Operation range	Cooling Heating	*CDB *CWB		-5 to 46 -15 to 15.5														
	Liquid (Flare) Gas (Flare) Drain	Indoor unit Outdoor unit		mm		Ø9.5 Ø15.9 1.D Ø20xO.D Ø26														
				mm		Ø26.0 (Hole)														
				mm		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, 24°CWB. 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.

DUCT CONNECTION MIDDLE AND HIGH STATIC PRESSURE TYPE (Cooling Only)



				50	60	71	100	125	140	100	125	140						
Model Name		Indoor unit		FBQ50DV1	FBQ60DV1	FBQ71DV1	FBQ100DV1	FBQ125DV1	FBQ140DV1	FBQ100DV1	FBQ125DV1	FBQ140DV1						
		Outdoor unit		RZR50LUV1	RZR60LUV1	RZR71LUV1	RZR100LUV1	RZR125LUV1	RZR140LUV1	RZR100LUV1	RZR125LUV1	RZR140LUV1						
Power supply				1 Phase, 220-240 V, 50 Hz						Indoor unit : 1 Phase, 220-240 V, 50 Hz Outdoor unit : 3 Phase, 380-415 V, 50 Hz								
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				Cooling	kW	1.39	1.69	2.22	2.82	3.73	4.71	2.82	3.73	4.71				
Indoor unit	Colour			Fresh white														
	Fan	Airflow rate (H/L)	Cooling	m³/min	18/15		32/23		39/28		32/23		39/28					
					cfm		635/530		1,130/812		1,377/988		1,130/812		1,377/988			
	External static pressure ² (Middle-High)			Pa										50-200				
	Sound level ³		Cooling (H/L)	dB(A)	37/32		38/33		40/36		38/33		40/36					
	Dimensions (HxWxD)			mm	300x1,000x700						300x1,400x700							
	Machine weight			kg	36						46							
	Certified Operation range		Cooling	°CWB	14 to 25													
Outdoor unit	Colour			Ivory white														
	Compressor		Type	Hermetically sealed swing type					Hermetically sealed scroll type									
			Motor output	kW	1.12	1.35	1.76	2.03	2.4	2.9	1.8	2.4	2.9					
	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 ³	Cooling	dB(A)	48		49		50		49		50						
		Night quiet mode	dB(A)	44		45		46		45		46						
	Dimensions (HxWxD)			mm	595X845X300					990X940X320					1,170X900X320			
	Machine weight			kg	43					78		97		92				
Certified Operation range		Cooling	°CDB	21 to 46														
Piping connections	Liquid (Flare)		mm	Ø9.5														
	Gas (Flare)		mm	Ø15.9														
	Drain	Indoor unit	mm	I.D Ø25xO.D Ø32														
		Outdoor unit	mm	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: Suction temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB. Equiv. refrigeration piping: 7.5 m (horizontal).
² Initial setting is standard.
³ Anaechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

SPECIFICATIONS

DUCT CONNECTION MIDDLE AND HIGH STATIC PRESSURE TYPE (Heat Pump)



			71		100		125		140		100		125		140		
Model Name			Indoor unit		FBQ71DV1	FBQ100DV1	FBQ125DV1	FBQ140DV1	FBQ100DV1	FBQ125DV1	FBQ140DV1	FBQ100DV1	FBQ125DV1	FBQ140DV1	FBQ100DV1	FBQ125DV1	FBQ140DV1
			Outdoor unit		RZQ71KCV4A	RZQ100KCV4A	RZQ125KCV4A	RZQ140KCV4A	RZQ100HAY4A	RZQ125HAY4A	RZQ140HAY4A	RZQ100HAY4A	RZQ125HAY4A	RZQ140HAY4A	RZQ100HAY4A	RZQ125HAY4A	RZQ140HAY4A
Power supply			Indoor unit : 1 Phase, 220-240 V, 50 Hz Outdoor unit : 1 Phase, 240 V, 50 Hz										Indoor unit : 1 Phase, 220-240 V, 50 Hz Outdoor unit : 3 Phase, 415 V, 50 Hz				
Cooling capacity ¹ Rated (Min. - Max.)			kW	7.1 (3.2-8.0)	10.0 (5.0-11.2)	12.5 (5.7-14.0)	13.1 (6.2-15.4)	10.0 (5.0-11.2)	12.5 (5.7-14.0)	13.1 (6.2-15.4)							
Heating capacity ² Rated (Min. - Max.)			kW	8.0 (3.5-9.0)	11.2 (5.1-12.8)	14.0 (6.0-16.2)	16.0 (6.2-18.0)	11.2 (5.1-12.8)	14.0 (6.0-16.2)	16.0 (6.2-18.0)							
Power consumption			Cooling ³	kW	2.22	3.17	3.97	4.16	3.17	3.97	4.16						
			Heating ³	kW	2.43	3.15	3.95	4.68	3.15	3.95	4.68						
Indoor unit	Colour			Fresh white													
	Fan	Airflow rate (H/L)	m³/min	32/23			39/28			32/23			39/28				
			cfm	1,130/812			1,377/988			1,130/812			1,377/988				
	External static pressure ³ (Middle-High)		Pa	50-200													
	Sound level (H/L) ⁴		dB(A)	35/28		43/32		44/34		44/36		43/32		44/34		44/36	
	Dimensions (HxWxD)		mm	300x1,000x700			300x1,400x700										
	Machine weight		kg	36			46										
	Certified	Cooling	*CWB	14 to 25													
Heating		*CDB	15 to 27														
Outdoor unit	Colour			Ivory white													
	Compressor	Type		Hermetically sealed swing type	Hermetically sealed scroll type												
		Motor output	kW	1.7	1.9	2.4	2.9	1.9	2.4	2.9							
	Refrigerant charge (R-410A)		kg	2.75 (Charged for 30 m)	3.7 (Charged for 30 m)				4.3 (Charged for 30 m)								
	Sound level	Cooling/Heating ⁴	dB(A)	48/50	49/51	50/52				49/51	50/52						
		Night quiet mode	dB(A)	44	45	46				45	46						
	Dimensions (HxWxD)		mm	770x900x320			1,170x900x320				1,345x900x320						
	Machine weight		kg	68			98				108						
Certified	Cooling	*CDB	-5 to 46														
	Heating	*CWB	-15 to 15.5														
Piping connections	Liquid (Flare)		mm	Ø9.5													
	Gas (Flare)		mm	Ø15.9													
	Drain	Indoor unit	mm	1.0Ø25x0.0Ø32													
		Outdoor unit	mm	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													

SPECIFICATIONS

WALL MOUNTED TYPE (Heat Pump)



			71		100		100	
Model Name	Indoor unit		FAQ71CVEA		FAQ100CVEA		FAQ100CVEA	
	Outdoor unit		RZQ71KCV4A		RZQ100KCV4A		RZQ100HAY4A	
Power supply			1 phase, 220-240V, 50Hz				3 phase, 380-415V, 50Hz	
Capacity (Rated)Min-Max	Cooling	kW	7.1 (3.2-8.0)			0.0 (5.0-11.2)		10.0 (5.0-11.2)
	Heating	kW	8.0 (3.5-9.0)			11.2 (5.1-12.8)		11.2 (5.1-12.8)
Power consumption(Rated)	Cooling	kW	2.20			3.19		3.19
	Heating	kW	2.33			3.45		3.44
Indoor unit	Colour		Fresh white					
	Airflow rate (H/M/L)		cfm	635/565/494		918/812/671		
	Sound level (H/M/L) *3		dB(A)	45/42/40		49/45/41		
	Dimensions (H×W×D)		mm	290×1,050×238		340×1,200×240		
	Machine weight	Unit	kg	13		17		
Outdoor unit	Colour		Ivory white					
	Compressor	Type	Hermetically sealed swing type			Hermetically sealed scroll type		
		Motor output	kW	1.7		1.9		2.1
	Refrigerant charge (R-410A)		kg	2.75 (Charged for 30m)		3.7 (Charged for 30m)		4.3 (Charged for 30m))
	Sound level	Cooling	dB(A)	48			49	
	Sound level	Heating	dB(A)	50			51	
	Dimensions (H×W×D)		mm	770×900×320		1,170×900×320		1,345×900×320
	Machine weight		kg	68		98		108
	Certified operation range		Cooling	-5 to 46				
	Certified operation range		Heating	-15 to 15				
Piping connections	Liquid (Flare)		mm	ø9.5				
Gas (Flare)			mm	ø15.9				
Drain			mm	ø26.0 (Hole)				
Max. interunit piping length			m	50 (Equivalent length 70)		75 (Equivalent length 90m)		
Max. installation level difference m				30				

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.

WALL MOUNTED TYPE (Cooling Only)



Model Name		Indoor unit		80
		Outdoor unit		FTN80JXV16
				RR71CGXY1A6
Nominal Cooling Capacity			Btu/h	28000
			kW	8.21
COP			W/W	2.93
Indoor unit	Power Supply	V/Ph/Hz		220-240/1/50
	Air Flow	cfm		950/931/760/661/569
	Sound Pressure Level	dB(A)		52/51/46/42/39
	Height	mm		310
	Width	mm		1289
	Depth	mm		240
Outdoor unit	Net Weight	kg		16
	Power Supply	V/Ph/Hz		380-415/3/50
	Sound Pressure Level	dB(A)		56
	Height	mm		753
	Width	mm		855
	Depth	mm		328
	Net Weight	kg		56
	Pipe Connection - Liquid	mm		9.52
	Pipe Connection - Gas	mm		15.88
Max. Allowable Length		m		45
Max. Allowable Elevation		m		25

Note: Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19°CWB; outdoor temp. 35°CDB. All unit are being tested and comply to ISO 5151 (Non-ducted unit)

SPECIFICATIONS

FLOOR STANDING (Cooling Only)



			71	100	125	140
Model Name	Indoor unit		FVRN71AXV1	FVRN100AXV1	FVRN125AXV1	FVRN140AXV1
	Outdoor unit		RR71CGXV1	RR100DGXY1	RR125DGXY1	RR140DGXY1
Nominal Cooling Capacity		Btu/h	28000	40000	45000	55000
		kW	8.21	11.72	13.19	16.12
Nominal EER		W/W	2.89		2.82	2.94
Indoor unit	Power Supply	V/Ph/Hz	220-240/1/50			
	Air Flow	cfm	675/625/530	1035/945/845		1170/1085/985
	Sound Pressure Level	dB(A)	44/42/39	49/47/44	50/48/46	54/53/51
	Height	mm	1850			
	Width	mm	600			
	Depth	mm	270	350		
	Net Weight	kg	42	45	48	51
Outdoor unit	Power Supply	V/Ph/Hz	220-240/1/50	380-415/3/50		
	Sound Pressure Level	dB(A)	58	60	65	
	Height	mm	753	852		
	Width	mm	855	1030		
	Depth	mm	328	400		
	Net Weight	kg	57	95	98	105
	Pipe Connection - Liquid	mm	9.52			
	Pipe Connection - Gas	mm	15.88			19.05
Max. Allowable Length		m	45			
Max. Allowable Elevation		m	25			

Note: Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19°CWB; outdoor temp. 35°CDB. All unit are being tested and comply to ISO 5151 (Non-ducted unit)

FLOOR STANDING (Heat Pump)



			71	100	125	140
Model Name	Indoor unit		FVQN71AXV1	FVQN100AXV1	FVQN125AXV1	FVQN140AXV1
	Outdoor unit		RQ71CGXY1	RQ100DGXY1	RQ125DGXY1	RQ140DGXY1
Nominal Cooling Capacity		Btu/h	28000	40000	45000	55000
		kW	8.21	11.72	13.19	16.12
Nominal EER		W/W	2.89		2.82	2.94
Nominal Heating Capacity		Btu/h	27500	42000	46000	54500
		kW	8.06	12.31	13.48	16.00
Nominal COP		W/W	3.20	3.14	3.02	3.01
Indoor unit	Power Supply	V/Ph/Hz	220-240/1/50			
	Air Flow	cfm	675/625/530	1035/945/845		1170/1085/985
	Sound Pressure Level	dB(A)	44/42/39	49/47/44	50/48/46	54/53/51
	Height	mm	1850			
	Width	mm	600			
	Depth	mm	270	350		
	Net Weight	kg	42	45	48	51
Outdoor unit	Power Supply	V/Ph/Hz	220-240/1/50	380-415/3/50		
	Sound Pressure Level	dB(A)	58		60	65
	Height	mm	753	852		
	Width	mm	855	1030		
	Depth	mm	328	400		
	Net Weight	kg	57	95	98	105
	Pipe Connection - Liquid	mm	9.52			
Pipe Connection - Gas	mm	15.88				19.05
Max. Allowable Length		m	45			40
Max. Allowable Elevation		m	25			20

Note: Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19°CWB; outdoor temp. 35°CDB. Rated heating capacities are based on the following conditions: Indoor temp., 20°CDB; outdoor temp., 7°CDB, 6°CWB. All unit are being tested and comply to ISO 5151 (Non-ducted unit)

SPECIFICATIONS

CEILING CONCEALED TYPE (Cooling Only)

R-410A

			25	35	50	60	71	90	100	125	140	
Model Name	Indoor unit		FDMRN25CXV16	FDMRN35CXV16	FDMRN50CXV16	FDMRN60CXV16	FDMRN71CXV16	FDMRN90CXV16	FDMRN100CXV16	FDMRN125CXV16	FDMRN140CXV16	
	Outdoor unit		RN25FGXV16	RN35FGXV16	RN50CGXV16	RN60CGXV16	RR71CGXV16	RR90DGXY16	RR100DGXY16	RR125DGXY16	RR140DGXY16	
Nominal Cooling Capacity			Btu/h	9000	12000	18000	21000	26000	33000	39000	45000	55000
			kW	2.37	3.52	5.28	6.16	7.62	9.67	11.43	13.19	16.12
Nominal EER			W/W	2.72	2.46	2.82	2.86	2.63	3.03	2.82	2.87	3.01
Indoor unit	External Static Pressure (SH/H/M/L)	Pa	29/20/10	29/20/10	29/20/10	29/20/10	98/78/68/59	118/96/78/61	118/96/78/61	147/126/109/92	147/120/90/69	
	Air Flow (SH/H/M/L)	cfm	250/235/210	410/370/250	570/558/480	690/660/535	850/810/770/710	1280/1160/1050/920	1280/1160/1050/920	1430/1320/1230/1130	1720/1560/1340/1170	
	Sound Pressure Level (SH/H/M/L)	dBA	33/30/26	37/34/29	38/36/34	40/39/36	44/41/38/34	52/49/47/45	52/49/47/45	54/53/52/51	54/52/50/46	
	Height	mm	261	261	261	261	285	315	315	378	378	
	Width	mm	765	905	1065	1200	932	1257	1257	1299	1499	
	Depth	mm	411	411	411	411	600	638	638	541	541	
	Net Weight	kg	18	22	24	26	40	49	49	50	56	
Outdoor unit	Power Supply	V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	
	Sound Pressure Level	dBA	46	49	52	52	58	58	58	60	65	
	Height	mm	550	550	651	753	753	852	852	852	852	
	Width	mm	658	658	855	855	855	1030	1030	1030	1030	
	Depth	mm	273	273	328	328	328	400	400	400	400	
	Net Weight	kg	28	29	47	50	57	86	95	98	105	
	Pipe Connection - Liquid	mm	6.35	6.35	6.35	6.35	9.52	9.52	9.52	9.52	9.52	
	Pipe Connection - Gas	mm	9.52	12.70	12.70	15.88	15.88	15.88	15.88	15.88	19.05	
Max. Allowable Length		m	15	12	15	15	15	45	45	45	35	
Max. Allowable Elevation		m	10	5	8	8	8	25	25	25	15	

Note: Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19°CWB; outdoor temp. 35°CDB.
Rated heating capacities are based on the following conditions: Indoor temp., 20°CDB; outdoor temp., 7°CDB, 6°CWB.
All unit are being tested and comply to ISO 5151 (Non-ducted unit)

CEILING CONCEALED TYPE (Heat Pump)

R-410A

			25	35	50	60	71	90	100	125	140	
Model Name	Indoor unit		FDMQN25CXV16	FDMQN35CXV16	FDMQN50CXV16	FDMQN60CXV16	FDMQN71CXV16	FDMQN90CXV16	FDMQN100CXV16	FDMQN125CXV16	FDMQN140CXV16	
	Outdoor unit		RYN25CGXV16	RYN35CGXV16	RYN50CGXV16	RYN60CGXV16	RQ71CGXV16	RQ90DGXY16	RQ100DGXY16	RQ125DGXY16	RQ140DGXY16	
Nominal Cooling Capacity			Btu/h	9500	12500	18000	21000	26000	33000	39000	45000	55000
			kW	2.78	3.66	5.28	6.16	7.62	9.67	11.43	13.19	16.12
Nominal EER			W/W	2.96	2.91	3.13	3.15	2.73	3.03	2.82	2.87	3.01
Nominal Heating Capacity			Btu/h	9500	12000	18500	22000	26000	36000	41000	47000	55000
			kW	2.78	3.52	5.42	6.45	7.62	10.55	12.02	13.77	16.12
Nominal COP			W/W	3.52	3.18	3.55	3.39	3.27	3.64	3.25	3.41	3.41
Indoor unit	External Static Pressure (SH/H/M/L)	Pa	29/20/10	29/20/10	29/20/10	29/20/10	98/78/68/59	118/96/78/61	118/96/78/61	147/126/109/92	147/120/90/69	
	Air Flow (SH/H/M/L)	cfm	250/235/210	410/370/250	570/558/480	690/660/535	850/810/770/710	1280/1160/1050/920	1280/1160/1050/920	1430/1320/1230/1130	1720/1560/1340/1170	
	Sound Pressure Level (SH/H/M/L)	dBA	33/30/26	37/34/29	38/36/34	40/39/36	44/41/38/34	52/49/47/45	52/49/47/45	54/53/52/51	54/52/50/46	
	Height	mm	261	261	261	261	285	315	315	378	378	
	Width	mm	765	905	1065	1200	932	1257	1257	1299	1499	
	Depth	mm	411	411	411	411	600	638	638	541	541	
	Net Weight	kg	18	22	24	26	40	49	49	50	56	
Outdoor unit	Power Supply	V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	
	Sound Pressure Level	dBA	46	49	52	52	58	58	58	60	65	
	Height	mm	540	540	651	753	753	852	852	852	852	
	Width	mm	700	700	855	855	855	1030	1030	1030	1030	
	Depth	mm	250	250	328	328	328	400	400	400	400	
	Net Weight	kg	28	30	47	50	57	86	95	98	105	
	Pipe Connection - Liquid	mm	6.35	6.35	6.35	6.35	9.52	9.52	9.52	9.52	9.52	
Pipe Connection - Gas		mm	9.52	12.70	12.70	15.88	15.88	15.88	15.88	15.88	19.05	
Max. Allowable Length			m	12	12	15	15	45	45	45	35	
Max. Allowable Elevation			m	5	5	8	8	25	25	25	15	

Note: Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19°CWB; outdoor temp. 35°CDB.
Rated heating capacities are based on the following conditions: Indoor temp., 20°CDB; outdoor temp., 7°CDB, 6°CWB.
All unit are being tested and comply to ISO 5151 (Non-ducted unit)

OPTIONS

CEILING SUSPENDED TYPE

INVERTER R-410A

Name of option	Remark		Kit name						
			Cooling Only & Heat Pump						
			FHQ35BVV1B	FHQ50BVV1B	FHQ60BVV1B	FHQ718VV1B	FHQ100BVV1B	FHQ125BVV1B	
Replacement long-life filter	Resin net		KAF501DA56			KAF501DA80		KAF501DA112	KAF501DA160
Drain-up kit			KDU50N60VE			KDU50N125VE			
L-type piping kit (for upward direction)			KHFP5MA35	KHFP5MA63			KHFP5MA160		
Remote controller	Wireless type	Heat Pump	BRC7EA63W						
		Cooling Only	BRC7EA66						
	Wired type ¹ "Nav Ease"		BRC1E62						
Central remote controller ²			DCS302CA61						
Unified ON/OFF controller ²			DCS301BA61						
Schedule timer ²			DST301BA61						
Intelligent Touch Controller ²			DCS601C51						
Adaptor for wiring			KRP1BA54						
Wiring adaptor for electrical appendices ³			KRP4AA52						
Interface adaptor for SkyAir series			DTA112BA51						
Installation box for adaptor PCB			KRP1CA93						
Remote sensor (for indoor temperature)			-----			KRC501-1B			
Electrical box with earth terminal (3 blocks)			-----			KJB311AA			
Electrical box with earth terminal (2 blocks)			-----			KJB212AA			

Note: ¹Wiring for wired remote controller to be procured locally. ²This optional accessory requires DTA112BA51.
³Installation box for adaptor PCB (KRP1CA93) is necessary.

CEILING MOUNTED SLIM DUCT TYPE

INVERTER R-410A

Name of option	Remark	Kit name			
		Heat Pump			
		FDXS25CVMA	FDXS35CVMA	FDXS50CVMA	FDXS60CVMA
Wired remote controller ¹		BRC944B2			
Wired remote controller code	Length 3 m (shielded wire)	BRCW901A03			
	Length 8 m (shielded wire)	BRCW901A08			
5-room centralised controller ²		KRC72			
Adaptor PCB (normal open/normal open pulse contact) ³		KRP413A15			
The remote controller loss prevention with the chain		KRP917A4			
Interface adaptor for DIII-NET use		KRP928B25			
Central remote controller ⁴		DCS302CA61			
Unified ON/OFF controller ⁴		DCS301BA61			
Schedule timer ⁴		DST301BA61			
Intelligent Touch Controller ⁴		DCS601C51			
Suction grille		KDGFI9A45			
Insulation kit for high humidity		KDT25N60		KDT25N63	

Note: ¹3 m (BRCW901A03) or 8 m (BRCW901A08) length wired remote controller cord is necessary.
²Adaptor PCB is also required for each indoor unit.
³Time clock and other devices; obtained locally.
⁴This optional accessory requires KRP928B25.

WALL MOUNTED TYPE

INVERTER R-410A

Name of Option	Remark	Kit Name	
		FAQ71CVEA	FAQ100CVEA
Drain-Pump kit		K-KDU572EVE	
Remote controller	Wired type *1	BRC1C61	
	Wireless type Heat pump	BRC7EB518	
Wired remote controller with weekly schedule timer *1		BRC1D61	
Navigation remote Controller	Wired type *1	BRC1E62	
Remote sensor		KRC501-4B	
Central remote controller *2		DCS302CA61	
Unified ON/OFF controller *2		DCS301BA61	
Schedule timer *2		DST301BA61	
Intelligent Touch Controller *2		DCS601C51	
Wiring adaptor for electrical appendices (2) *3		KRP4AA51	
Installation box for printed circuit board adaptor		KRP4AA93	
Electrical box with earth terminal (3 blocks)		KJB311AA	
Electrical box with earth terminal (2 blocks)		KJB212AA	
Noise filter (for electromagnetic interface use only)		KEK26-1A	

Note: *1. Wiring for wired remote controller to be procured locally.
*2. The indoor unit is equipped standardly with the function of the interface adaptor for SkyAir series. Interface adaptor for SkyAir series is unnecessary.
*3. Installation box for printed circuit board adaptor (KRP4AA93) is necessary.
*4. For details, refer to the Option Handbook.

OPTIONS

DUCT CONNECTION MIDDLE & HIGH STATIC PRESSURE TYPE



Name of option	Remark	Kit name				
		FBQ60DV1	FBQ60DV1	FBQ71DV1	FBQ100DV1	FBQ125DV1
High-efficiency filter ¹	(Colorimetric method 65%)		KAF372AA80			KAF372AA160
	(Colorimetric method 90%)		KAF373AA80			KAF373AA160
Filter chamber			KDDF37AA80			KDDF37AA160
Replacement long-life filter			KAF371AA80			KAF371AA160
Replacement long-life filter chamber kit			KAF375AA80			KAF375AA160
Service panel			KTBJ25K80W			KTBJ25K160W
			KTBJ25K80F			KTBJ25K160F
			KTBJ25K80T			KTBJ25K160T
Air discharge adaptor			KDAJ25K71A			KDAJ25K140A
Remote Controller	Wireless type				BRC4C64	
	Cooling Only				BRC4C62	
	Heat Pump				BRC1C61	
	Wired type ²				BRC1D61	
Wired LCD remote controller with weekly schedule timer ⁴					BRC1E62	
Navigation Remote Controller	Wired type ²				KRP1C64*	
Adaptor for wiring (interlock for fresh air intake fan)					KRP4AA51*	
Wiring adaptor for electrical appendices					KRC501-4B	
Remote sensor					KRP4AA95 ^{5,6}	
Mounting plate for adaptor PCB. ³					DCS302CA61	
Central remote controller ⁴					DCS301BA61	
Unified ON/OFF controller ⁴					DST301BA61	
Schedule timer ⁴					DCS601C51	
Intelligent Touch Controller ⁴						

Note: ¹If installing a high efficiency filter on the unit, an assembly chamber for either bottom or rear suction is required.

²Wiring for wired remote controller to be procured locally.

³Mounting plate for adaptor PCB is necessary for each adaptor marked★.

⁴This type of indoor units is equipped with the interface adaptor for SkyAir series. DTA112BA51 is unnecessary.

⁵Up to 2 adaptors can be fixed for each mounting plate.

⁶Only one mounting plate can be installed for each indoor unit.

FLOOR STANDING TYPE



Name of option	Remark	Kit name			
		FVQ71CVEB	FVQ100CVEB	FVQ125CVEB	FVQ140CVEB
Replacement long-life filter				KAFJ95L160	
Navigation Remote Controller	Wired type ¹			BRC1E62	
Central remote controller ²				DCS302CA61	
Unified ON/OFF controller ²				DCS301BA61	
Schedule timer ²				DST301BA61	
Intelligent Touch Controller ²				DCS601C51	
Adaptor for wiring ³				KRP1BA57	
Wiring adaptor for electrical appendices				KRP4AA52	
Installation box for adaptor PCB				KRP4AA95	

Note:

¹Wiring for wired remote controller to be procured locally.

²This type of indoor units is equipped with the interface adaptor for SkyAir Series. DTA112BA51 is unnecessary.

³Installation box for adaptor PCB (KRP4AA95) is necessary.