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SPECIFICATIONS





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

ABOUT DAIKIN

Daikin® is a leading innovator and provider of advanced, high-quality air-conditioning solutions for residential, commercial and industrial applications. As World's No. 1 Air-conditioning Company, Daikin is committed to delivering air-conditioning solutions that enhance the quality of life all around the world. A diverse multinational company, Daikin Industries Ltd. active in air-conditioning, 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.

GLOBAL FOOTPRINT



2

Solutions 360°

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
IndustriesCzech
Republic



Daikin Chemical
France

North America/Central & South America



Daikin America



Daikin Holding USA



Daikin AC (Americas)



China



Daikin (China) Investment



Shanghai Daikin Airconditioning



Xi'an Daikin Qing'an Compressor



Hui Zhou Daikin Suns 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)

THE DAIKIN DIFFERENCE

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

THE LOGO



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

ENVIRONMENTAL PHILOSOPHY

In all of us,
a green heart



In February 2002, we created an environmental symbol for the Daikin Group. In environmental protection activities, little efforts that individuals make add up to big things. The symbol, the Earth in the shape of a green heart, represents a determination on the part of each and every employee of Daikin to think green (think of the Earth and take care of the environment). As we continue developing our business operations in various fields, it is our mission to proactively develop initiatives to respond to environmental issues. Incorporating environmental initiatives throughout our management must be a priority for us. In all aspects of our business operations, including product development, manufacturing and sales, we need to formulate initiatives that sustain and improve the environment. Meanwhile, we need to promote the development of new products and the innovation of technologies that will lead to a more environmentally healthy world.

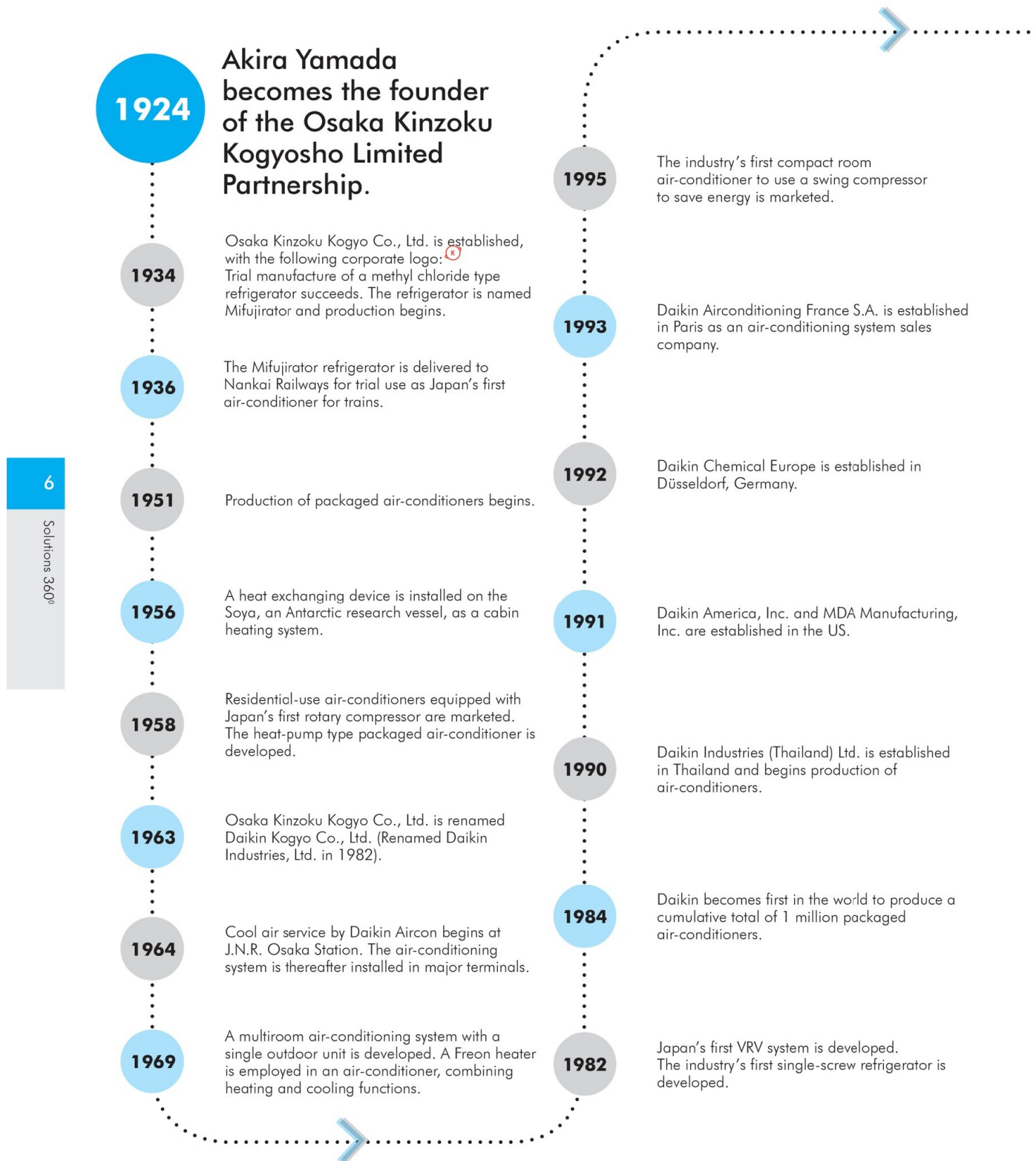
PICHONKUN

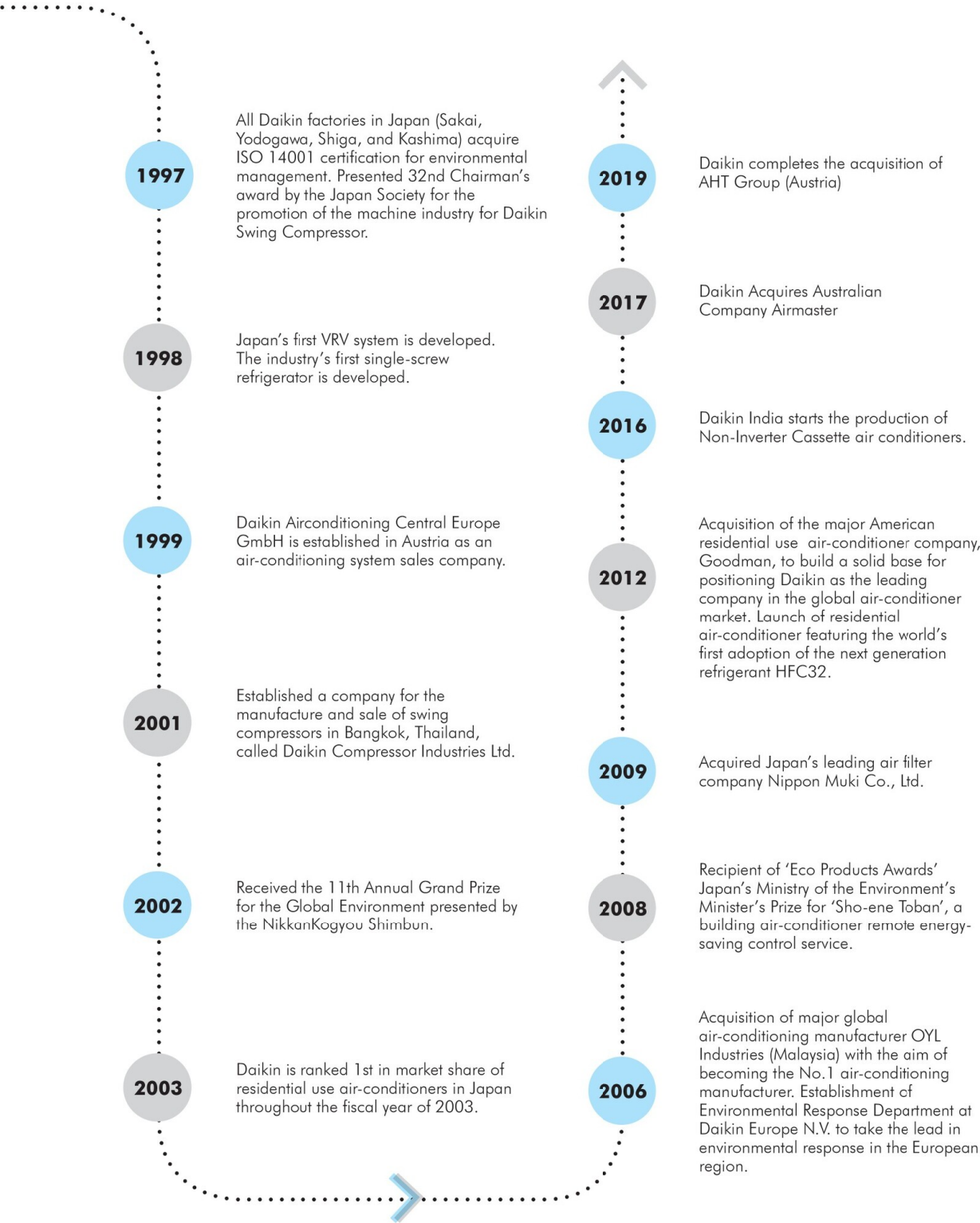



PICHONKUN
© D.H.T. 2000

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 airpurifiers. PICHONKUN symbolises the best of nature-fresh, natural and eco-friendly.

OUR TIMELINE







DAIKIN INDIA AT A GLANCE

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Solutions 360°

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

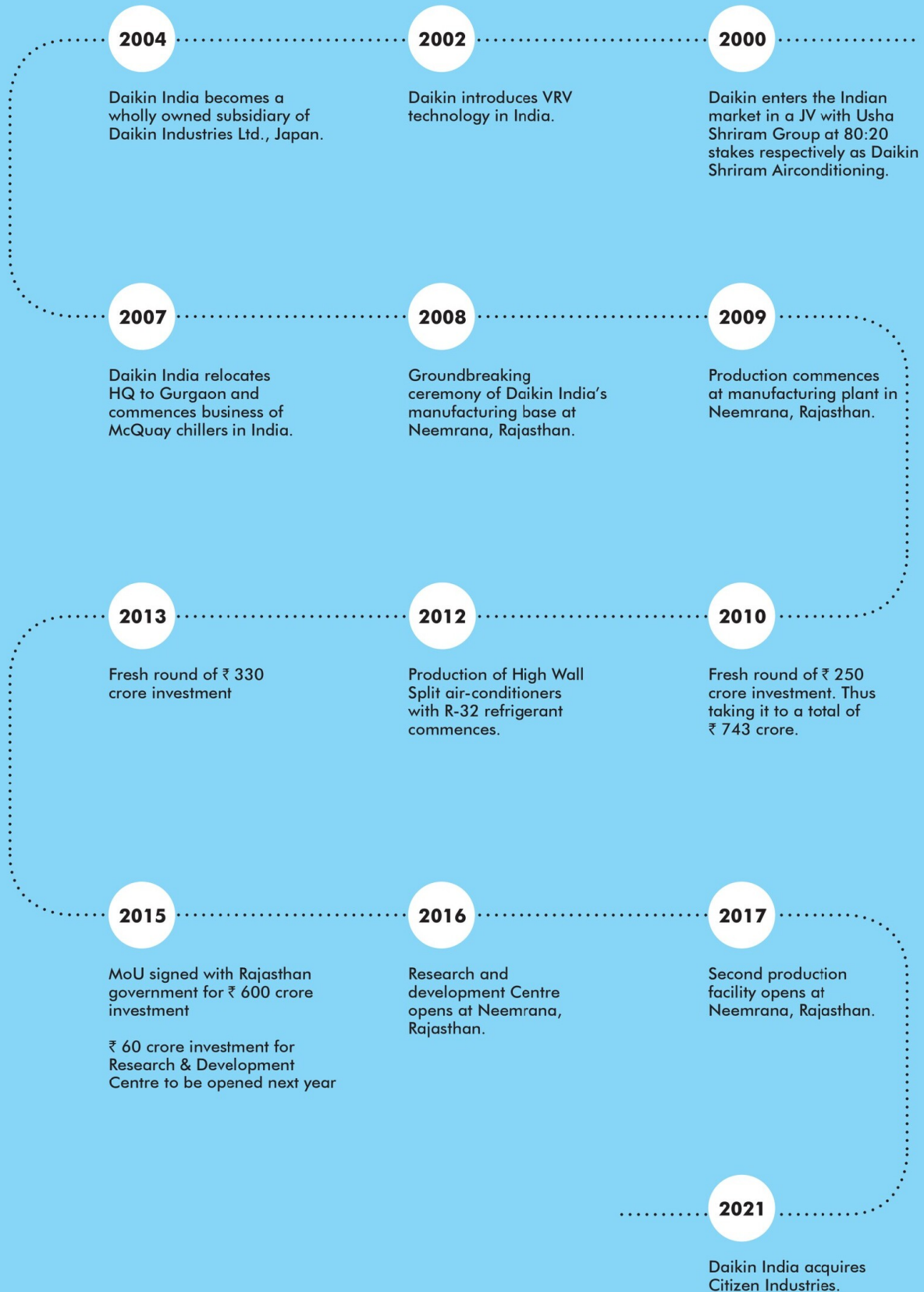
After introducing our superior air-conditioning solutions in India in the year 2000, we gained the trust of our valuable customers with our innovative range of products and dedication towards quality. An ISO 14001 certified company, we remain committed to keep customers at the core of everything we do.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

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

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

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

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



ENGINE OF GROWTH



Factory 1

MANUFACTURING PLANT

Daikin's manufacturing plant at Neemrana, Rajasthan, aims to create products that will add comfort to the lives of people. 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 computerised management of quality and production data to facilitate high-quality production within scheduled time.

Area

42,300 sq mtrs

Investments*

10,299 mn



Factory 2

RESEARCH & DEVELOPMENT FACILITY

Lab facilities

- Two Psychrometric lab of 3 TR and one Lab of 5 TR
- One multi-chamber lab of 25 TR capacity
- One Full Anechoic chamber for running sound test
- 10 HP* Product Reliability test lab, CFM test lab and one 11 TR Psychrometric lab

Test facilities

- Cyclic Corrosion test
- Salt Spray test
- Thermal Shock test*
- Vibration test*
- Environmental test*
- Drop test#

Other facilities

- Concept room
- Mock-up area
- Device test room (electronic parts test room)

*Operational by 2018 #Under installation

Area

5,088 sq mtrs

Investments*

1,000 mn

R&D Centre



R32 – BEFRIENDING THE ENVIRONMENT

AIR IS SOMETHING THAT SURROUNDS US 24 HOURS A DAY. IN FACT, OUR EXISTENCE, AS WELL AS EARTH'S DEPENDS ON IT. AT DAIKIN, THE FUTURE OF THE WORLD'S AIR IS OUR GREATEST CONCERN. WE, THE MANUFACTURER OF WORLD'S BEST AIR-CONDITIONERS, ARE ALWAYS PAVING THE PATH TO SAVE OUR ENVIRONMENT FOR NEXT GENERATION.

We phased out all R-22 model and shifted to the green refrigerant R-32. Now, whole world is coming together to find and work on way to address global warming issue. We are also offering worldwide free access to patents for equipment using next generation refrigerant, R-32. Refrigerant choice is a key in saving the ozone layer and reducing global warming.

R-32 is Environment-Friendly

**ZERO
OZONE**

Depletion Potential

1/3RD

Global Warming Potential

75%

less carbon dioxide emissions

BETTER LIFE

cycle climate performance

OUR RA MODELS
MANUFACTURED
IN INDIA USE THE
NEXT GENERATION
REFRIGERANT, R32.

R-32 offers superior performance

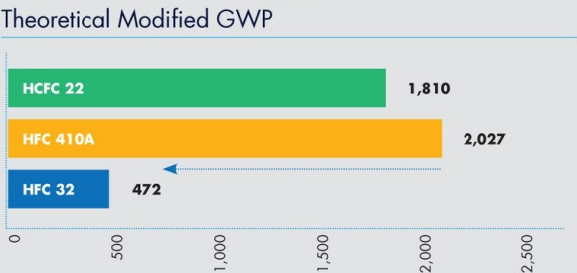
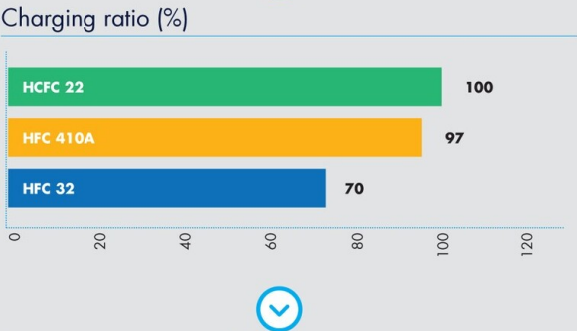
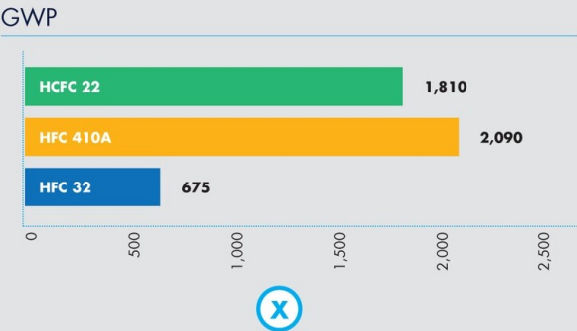
15.3%
more cooling as compared
to R410A

~30%
refrigerant charging volume as
compared to R410A & R22

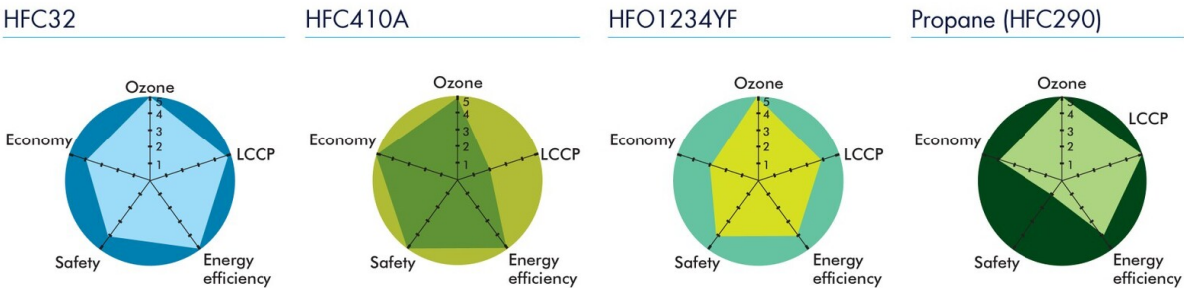
~5%
more power savings compared
to R410A

**BETTER
PERFORMANCE**
at higher temperature as compared
to R22 (Low Derating)

Only 1/3rd Global Warming potential



Most balanced refrigerant

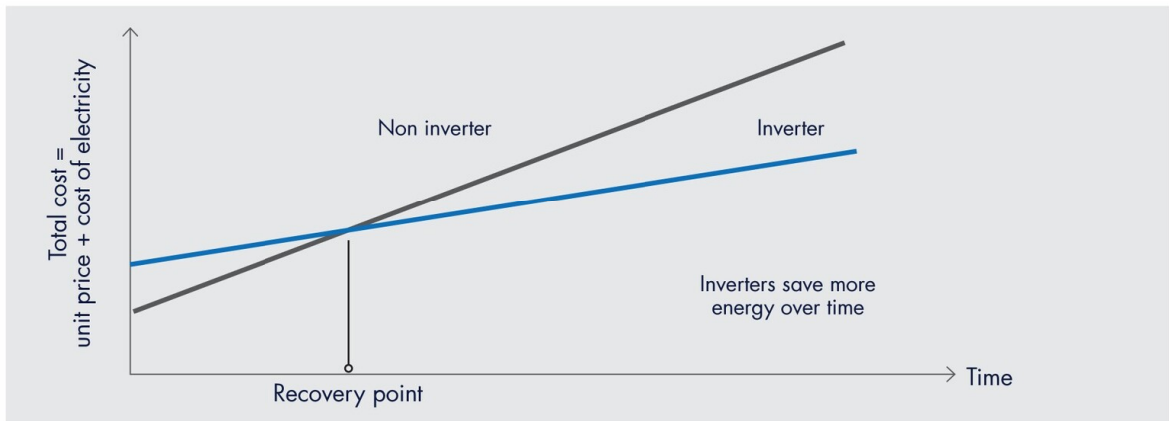


R-32 has zero Ozone Depletion Potential (ODP) and Modified Global Warming Potential (GWP) of 472, compared to R-410A's Modified GWP of 2,027. Also R-32 is a single component refrigerant, which makes it easy to recycle. It is because of these reasons that R-32 offers the lowest total emissions and best overall life-cycle climate performance

INVERTER TECHNOLOGY

WHY IS INVERTER TECHNOLOGY ECONOMICAL?

- Inverter system consumes less electricity, and soon recovers the difference in initial cost. This results in lower total cost.



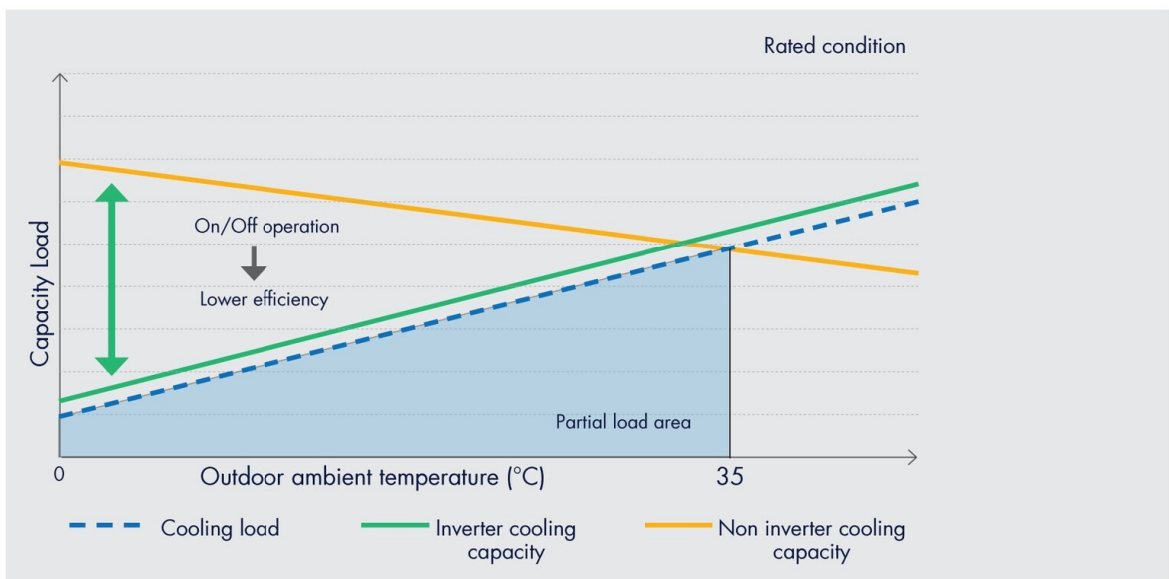
14

Solutions 360°

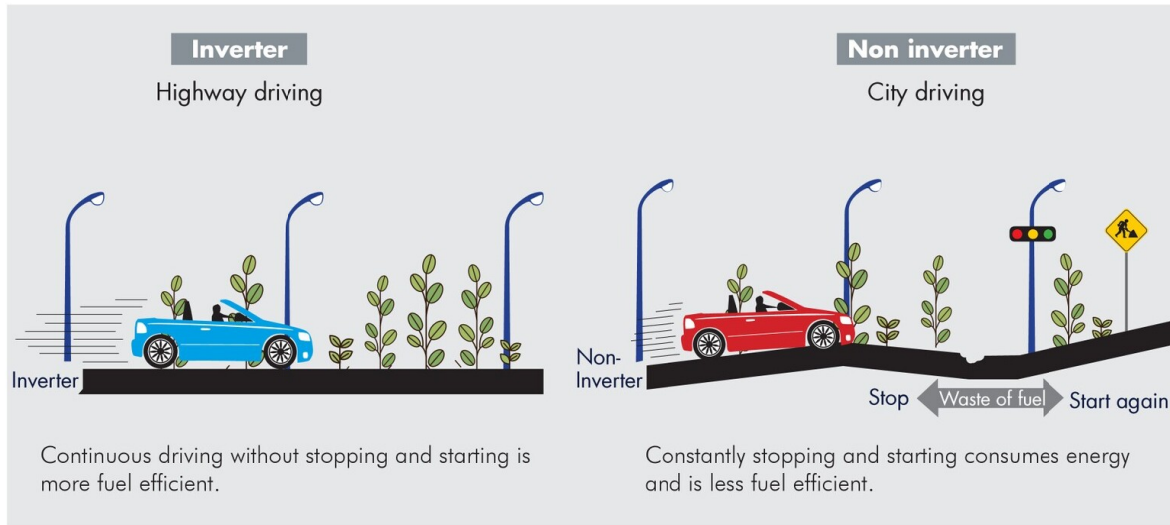


- Inverter air conditioner can adjust its cooling capacity according to the cooling load. This results in less power consumption.

In response to fluctuating cooling load, Non inverter air conditioners repeatedly perform ON (full-power)/OFF (zero-power) operation. Inverter air conditioners, however, operate at optimal cooling capacity according to the cooling load. Since inverter air conditioners provide required minimum cooling capacity with minimum electrical power, total power consumption can be reduced during cooling period.

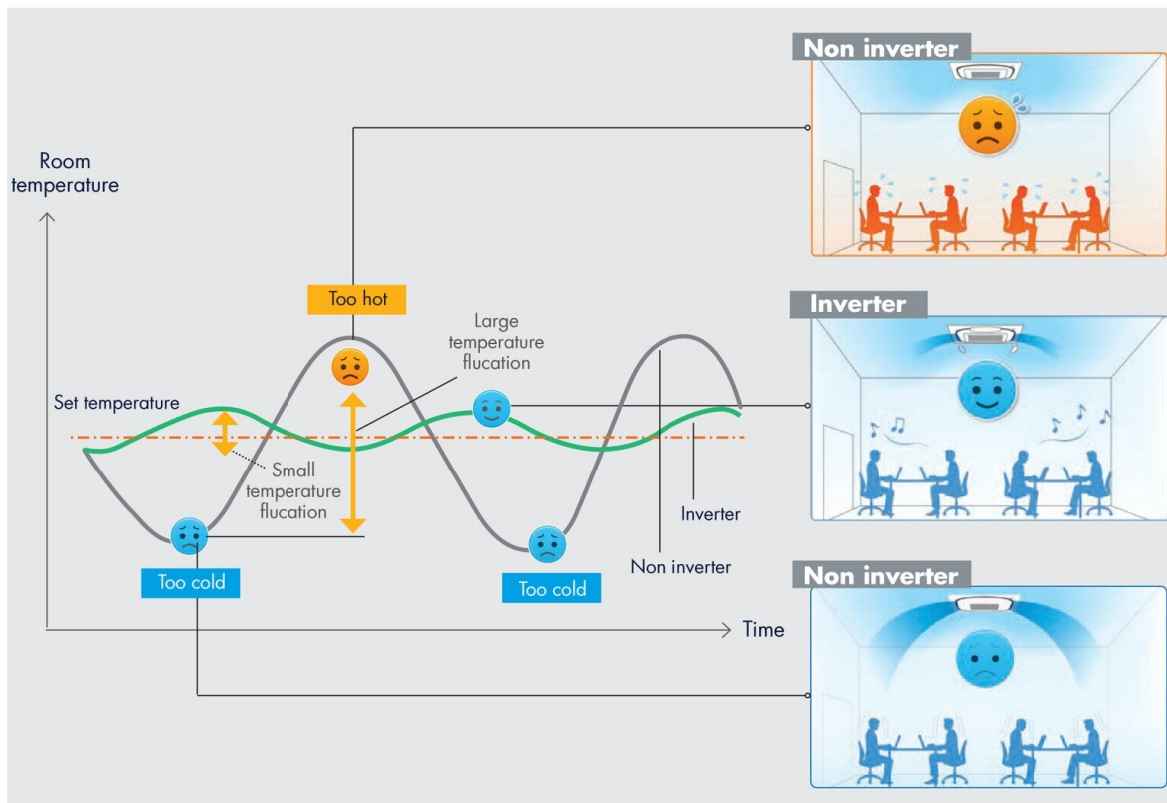


- Inverters operate without repeated ON/OFF operation.



WHY IS INVERTER TECHNOLOGY MORE COMFORTABLE?

- When temperature does not fluctuate much, the set temperature is maintained.
Inverter control responds to load changes and causes minor temperature adjustments. Non-inverter control frequently turns ON and OFF in response to load fluctuations or load mismatch and causes large temperature swings.



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 minimising 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.

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Solutions 360°



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 air-conditioning. Air-conditioning needs to be discreet and flexible to meet the demands of your restaurant and customers.







CEILING SUSPENDED TYPE

FHQ SERIES
COOLING ONLY & HEAT PUMP

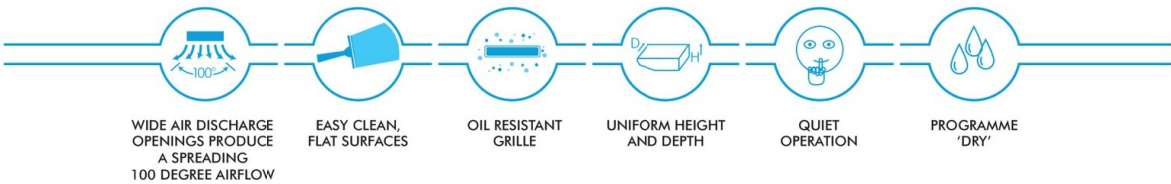
FHQ SERIES

COOLING ONLY & HEAT PUMP



UPGRADE TO A QUIET AND COMPACT SYSTEM

R-410A



FHQ100BV & 125BV (COOLING ONLY)	10KW & 12.5 KW	COOLING
FHQ100BV & 125BV (HEAT PUMP)	9.2KW & 11.2 KW	COOLING
	10.5 KW & 13.5 KW	HEATING

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Solutions 360°

ACCESSORY REQUIRED FOR INDOOR UNIT

WIRELESS LCD REMOTE CONTROLLER

Option

A signal receiver must be added to the indoor unit.



BRC7EA66
(Cooling Only)



BRC7EA63W9
(Heat Pump)



SIGNAL RECEIVER UNIT
(Installed type)

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

NAVIGATION REMOTE CONTROLLER

Standard



BRC1E62
(Wired Remote Controller)

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

1 TR (TONS OF REFRIGERATION) = 3.517 KW

FEATURES

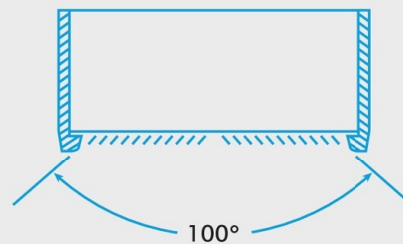
	FHQ-BVV1B	Cooling Only	Heat Pump
Comfort	Auto swing	•	•
	Draft prevention function	—	•
	Switchable fan speed(2 step)	•	•
	Programme 'Dry'	•	•
	High ceiling application	*1	*1
	Two selectable temperature-sensors	*2	*2
	Hot start (after defrost)	—	•
	Year-round cooling applicable	—	•
	Night quiet operation	*3	*3
	Timer selector	•	•
	Weekly schedule timer	*4	*4
Cleanliness	Anti-bacterial air filter	•	•
Work & Servicing	Drain pump mechanism	*5	*5
	Pre charged for up to 30 m	*3	*3
	Long-life filter	•	•
	Filter sign	•	•
	Low gas pressure detection	*3	*3
	Emergency operation	•	•
	Self-diagnosis function	•	•
Control features	Auto-restart	•	•
	Auto-cooling/heating change-over	—	•
	Control by 2 remote controllers	•	•
	Group control by 1 remote controller	•	•
	External command control	•	•
	Central remote control	•	•
Others	Interlock control	•	•
	Anti corrosion treated heat exchangers	*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 BRC1E62 is used
 *5 Option

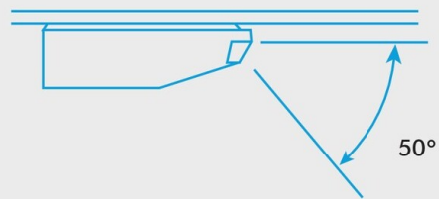
COMFORT

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

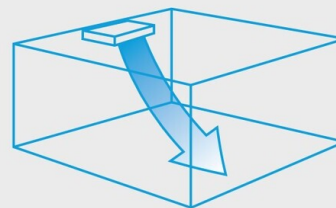
WIDE AIR DISCHARGE OPENINGS PRODUCE A SPREADING 100° AIRFLOW



AIR IS BLOWN UP TO 50° IN THE DOWNWARD DIRECTION



- **INSTALLABLE ON CEILINGS 3.5 M HIGH**



- **TWO SELECTABLE TEMPERATURE-SENSORS**

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

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

- **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.

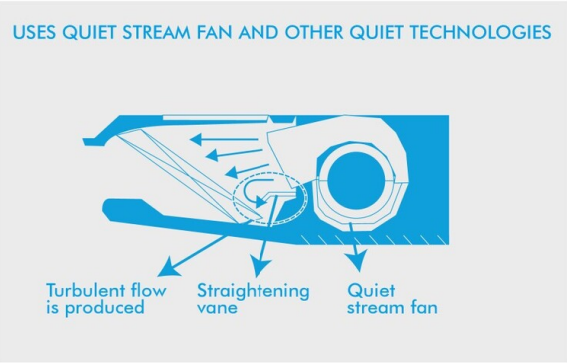
Note: Intended for use in salons, dining rooms and ordinary sales floors. This specification is not suitable for kitchens or other harsh environments.

• **QUIET OPERATION**

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

dB(A)		
INDOOR UNIT	HIGH	LOW
100BV	42	37
125BV	44	39

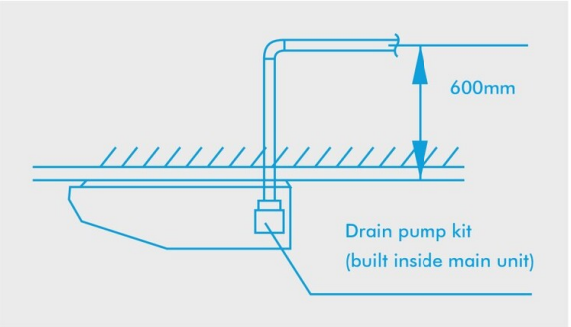
Note: Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.



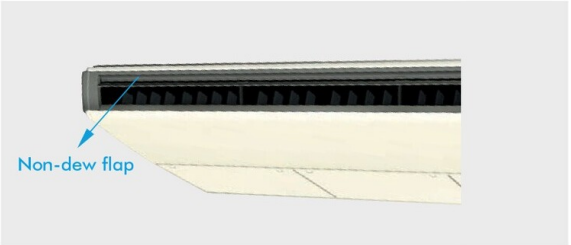
WORK & SERVICING

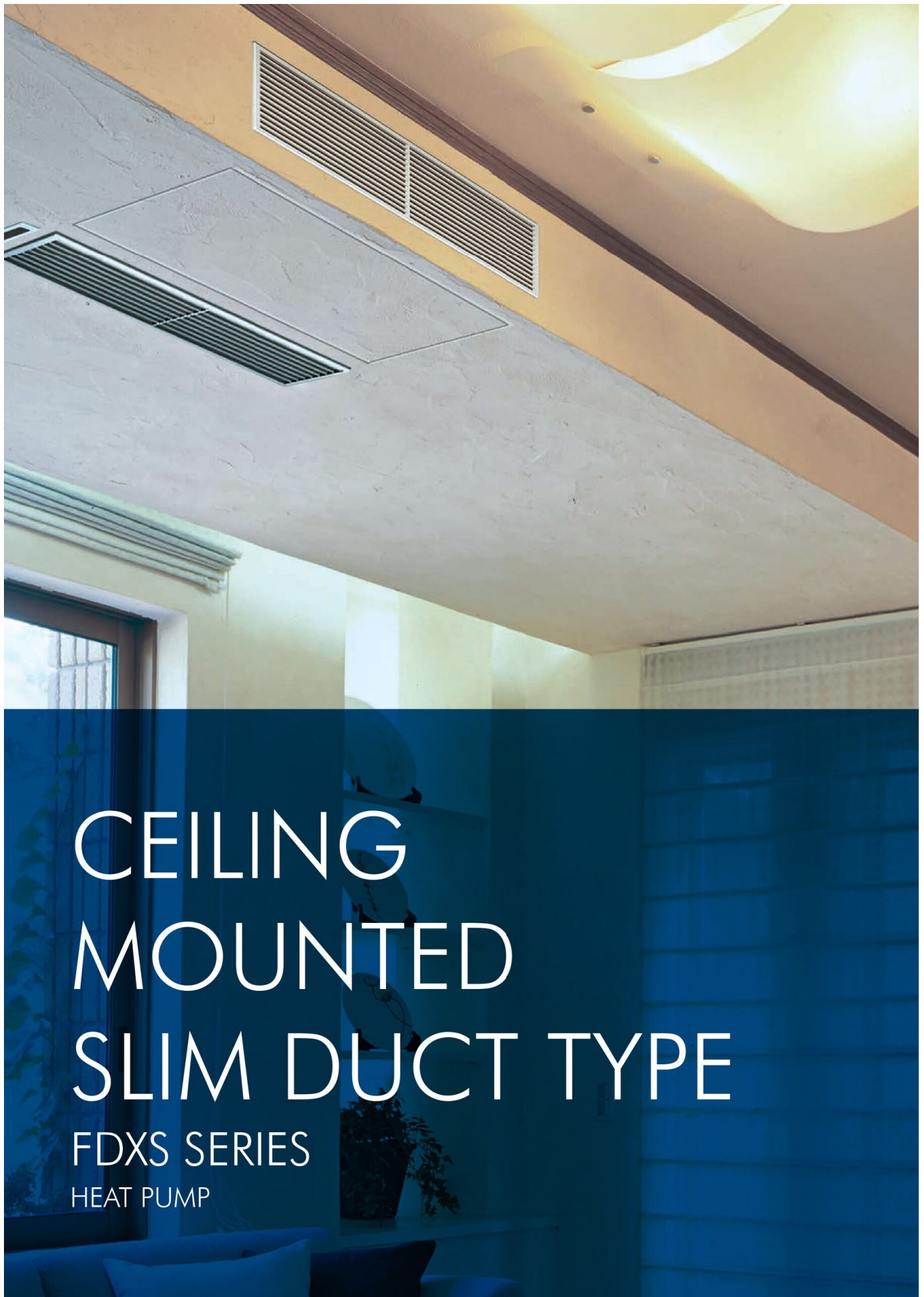
- **FLEXIBLE INSTALLATION FLEXIBILITY FOR FREEDOM OF DESIGN**
- **UNIFORM HEIGHT AND DEPTH**
Compact design for small-capacity models to meet tighter dimensional spaces.
- **FLEXIBLE INSTALLATION**
The unit fits more snugly into tight spaces.

- **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 125KCV4A, RZQ100/125HAY4A 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

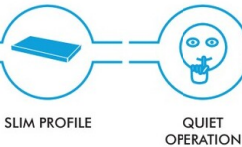
FDXS SERIES

HEAT PUMP



R-410A

SUITABLE FOR TIGHT CEILING SPACES



FDXS25~60C (HEAT PUMP)	2.4 KW ~ 6.0 KW	COOLING
	3.2 KW ~ 7.0 KW	HEATING

ACCESSORY REQUIRED FOR INDOOR UNIT

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Solutions 360°

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



ARC433B69

A signal receiver must be added to the indoor unit.



Signal receiver unit
(Separate type)

A signal receiver must be added to the indoor unit.

FEATURES

	FDXS-CVMA	Heat Pump
Comfort	Switchable fan speed	•
	Programme 'Dry'	•
	Hot start	•
Work & Servicing	Pre charged for up to 10 m	•
	Self-diagnosis function	•
Control features	Auto-restart	•
	Auto-cooling/heating change-over	•
Others	PE fin	•

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.
- DISTRIBUTES AIR EVENLY THROUGHOUT THE ROOM**
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

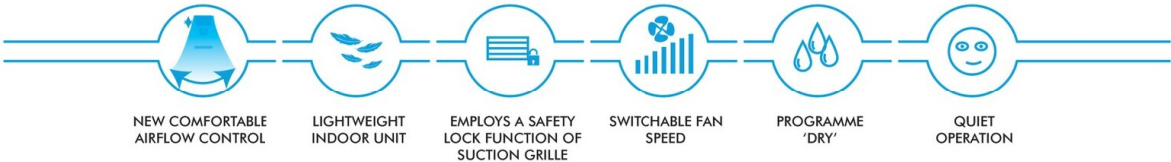
FVQ SERIES

COOLING ONLY & HEAT PUMP



R-410A

COMFORT THROUGH NEW AIRFLOW CONTROL



FVQ100 ~ 140 (COOLING ONLY)	10KW ~ 13.5 KW	COOLING
FVQ100 ~ 140 (HEAT PUMP)	10KW ~ 13.5 KW	COOLING
	11.2 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.



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

*1 Applicable for 100

*2 Applicable when wired remote controller is used

*3 For outdoor units

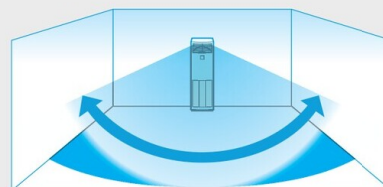
*4 Applicable when BRC1 E62 is used

COMFORT

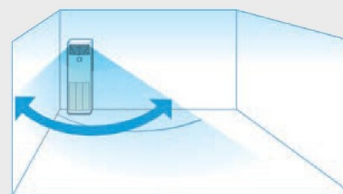
• NEW COMFORTABLE AIRFLOW CONTROL

1. Left and Right Directions (By Remote Controller)

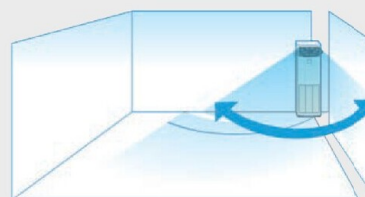
Auto swing direction is selectable from three patterns to suit the layout of the room.

PATTERN 1
WIDE SWING TOWARD THE FRONT

WHEN INSTALLED IN THE CENTER OF A WALL

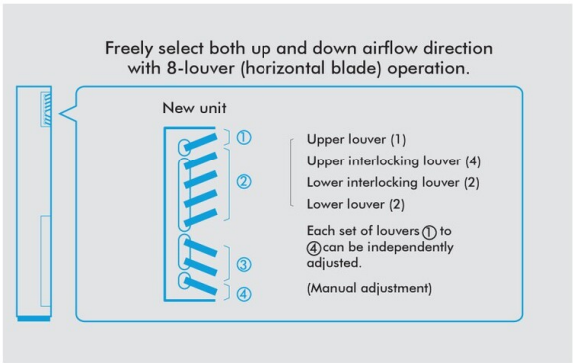
PATTERN 2
SWING ON THE LEFT SIDE

WHEN INSTALLED IN THE CORNER OF A ROOM

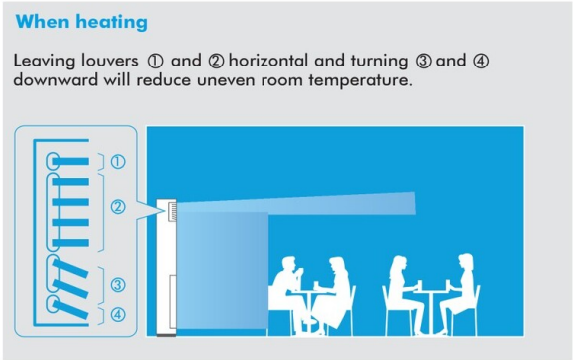
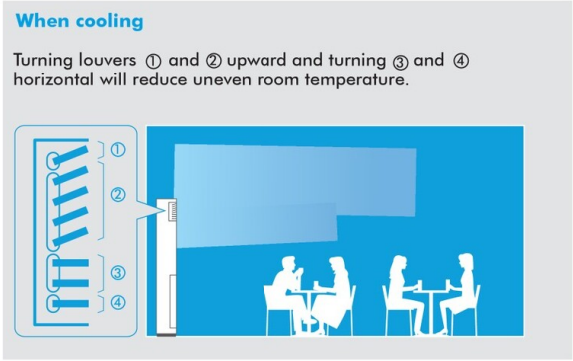
PATTERN 3
SWING ON THE RIGHT SIDE

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 FVQ 100)**
To carry airflow to the far side of the room, airflow rate can be increased 5% or 10% depending 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**

dB(A)

INDOOR UNIT	HIGH	MIDDLE	LOW
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	100 C	125 C	140 C
WEIGHT	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

FDMF SERIES
COOLING ONLY

FDMF SERIES

COOLING ONLY

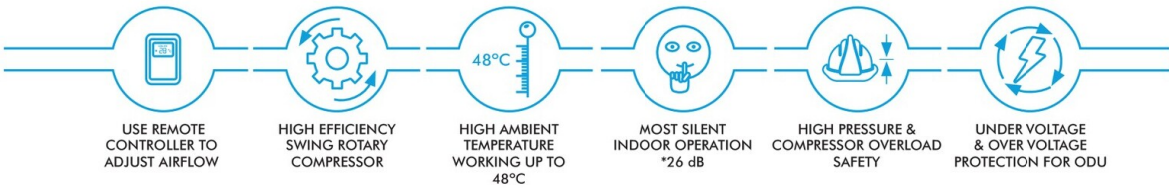


Compact Indoor Unit Height (300 mm)



FLEXIBLE USE OF SPACE IS MADE POSSIBLE USING DUCTS TO CREATE A ROOM FILLED WITH COMFORT.

R-32



FDMF 50~140 (COOLING ONLY)	5.0 KW ~ 14.0 KW	COOLING
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Solutions 360°

ACCESSORY REQUIRED FOR INDOOR UNIT

WIRELESS LCD REMOTE CONTROLLER

Option

A signal receiver must be added to the indoor unit.

BRC4C66

BRC4M61-6

SIGNAL RECEIVER UNIT
(Installed type)

Wireless remote controller and signal receiver unit are sold separately.

1 TR (tons of refrigeration) = 3.517 KW
* Applicable for selected models

NAVIGATION REMOTE CONTROLLER

Standard

BRC1E62/BRC1E63
(Wired Remote Controller)

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

FEATURES		
	FDMF	Cooling Only
Comfort	Switchable fan speed (3-speed fan setting)	•
	Programme 'Dry'	•
	Two selectable temperature-sensors	*1
	Hot start (after defrost)	—
	Year-round cooling applicable	—
	Night quiet operation	*2
	Timer selector	•
	Weekly schedule timer	*3
Cleanliness	Anti-bacterial air filter	*4
	Silver ion anti-bacterial drain pan	•
Work & Servicing	Drain pump mechanism	•
	Pre charged for up to 30 m for 90-140 models	•
	Pre charge for up to 15m for (50/71) models.	•
	Long-life filter for 90-140 models	*4
	Filter sign	•
	Low gas pressure detection	*2
	Emergency operation	•
	Self-diagnosis function	•
Control features	Auto-restart	•
	Auto-cooling/heating change-over	—
	Control by 2 remote controllers	•
	Group control by 1 remote controller	•
	External command control	•
	Central remote control	•
	Interlock control	•
	High-efficiency filter	•
Options	High-efficiency filter	•
Others	Anti corrosion treated heat exchangers	*2

*1 Applicable when wired remote controller is used

*2 For outdoor units

*3 Applicable when BRC1E62 is used

*4 Option

#Due to continuous R&D, features may vary from model to model

COMFORT

• QUIET OPERATION

dB(A)

INDOOR UNIT	HIGH	LOW
50 D	33	26
71 D	38	34
90 D	38	32
100 D	38	32
125 D	42	35
140 D	42	35

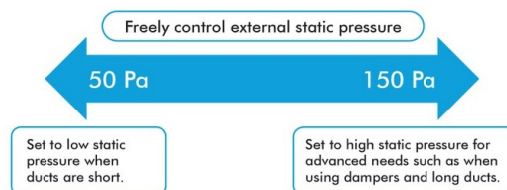
• TWO SELECTABLE TEMPERATURE-SENSORS

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.

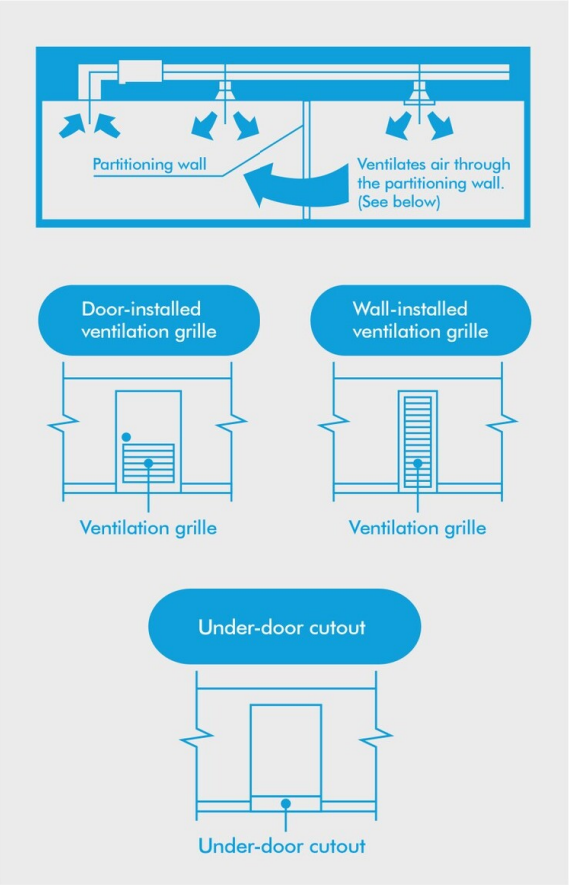
• INCREASED FREEDOM OF DESIGN, THANKS TO VARIABLE CONTROL OVER EXTERNAL STATIC PRESSURE

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 AIR-CONDITIONING OF TWO ROOMS AND VENTILATION GRILLE (VENTILATION OPENING)**

When air-conditioning 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

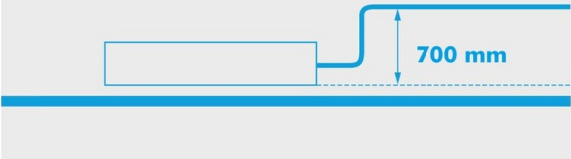
• **THIN, LIGHTWEIGHT INDOOR UNIT MAKES DELIVERY AND INSTALLATION EASY**

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



Indoor unit	Height (mm)	Width (mm)	Depth (mm)	Machine weight (kg)
50 D	300	1,000	700	34
71 D	300	1,000	700	34
90 D	300	1,400	700	43
100 D	300	1,400	700	43
125 D	300	1,400	700	45
140 D	300	1,400	700	45

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 is 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.



DUCT CONNECTION MIDDLE HIGH STATIC PRESSURE TYPE

FBQ SERIES
HEAT PUMP

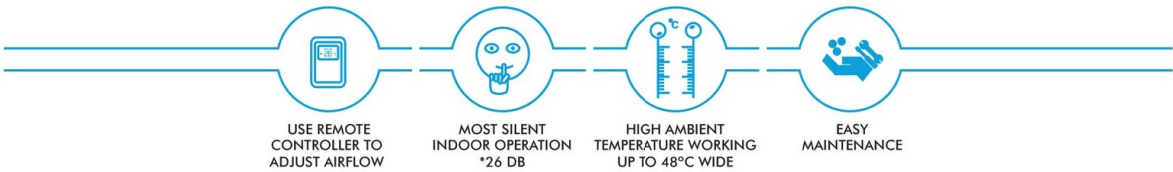
FBQ SERIES

HEAT PUMP



FLEXIBLE USE OF SPACE IS MADE POSSIBLE USING DUCTS TO
CREATE A ROOM FILLED WITH COMFORT.

R-410A



FBQ71 ~ 140D (HEAT PUMP)	8.0 KW ~ 16.0 KW	HEATING
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Solutions 360°

ACCESSORY REQUIRED FOR INDOOR UNIT

WIRELESS LCD REMOTE CONTROLLER

Option

A signal receiver must be added to the indoor unit.

BRC4M150W16

BRC4M61-6

**SIGNAL
RECEIVER UNIT**
(Installed type)

Wireless remote controller and signal receiver unit are sold separately.

1 TR (tons of refrigeration) = 3.517 KW

NAVIGATION REMOTE CONTROLLER

Standard

BRC1E62
(Wired Remote Controller)

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

FEATURES		
	FBQ-DV1	Heat Pump
Comfort	Switchable fan speed (2 step)	•
	Programme 'Dry'	•
	Two selectable temperature-sensors	*1
	Hot start (after defrost)	•
	Year-round cooling applicable	•
	Night quiet operation	*2
	Timer selector	•
	Weekly schedule timer	*3
Cleanliness	Anti-bacterial air filter	*4
	Silver ion anti-bacterial drain pan	•
Work & Servicing	Drain pump mechanism	•
	Pre charged for up to 30 m	*2
	Long-life filter	*4
	Filter sign	•
	Low gas pressure detection	*2
	Emergency operation	•
	Self-diagnosis function	•
Control features	Auto-restart	•
	Auto-cooling/heating change-over	•
	Control by 2 remote controllers	•
	Group control by 1 remote controller	•
	External command control	•
	Central remote control	•
	Interlock control	•
Options	High-efficiency filter	•
Others	Anti corrosion treated heat exchangers	*2

*1 Applicable when wired remote controller is used

*2 For outdoor units

*3 Applicable when BRC1E62 is used

*4 Option

COMFORT

• QUIET OPERATION

dB(A)

INDOOR UNIT	HIGH	LOW
71 D	37	32
100 D	38	33
125 D	40	36
140 D	40	36

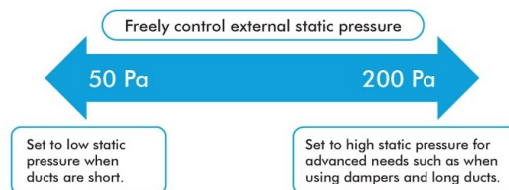
• TWO SELECTABLE TEMPERATURE-SENSORS

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.

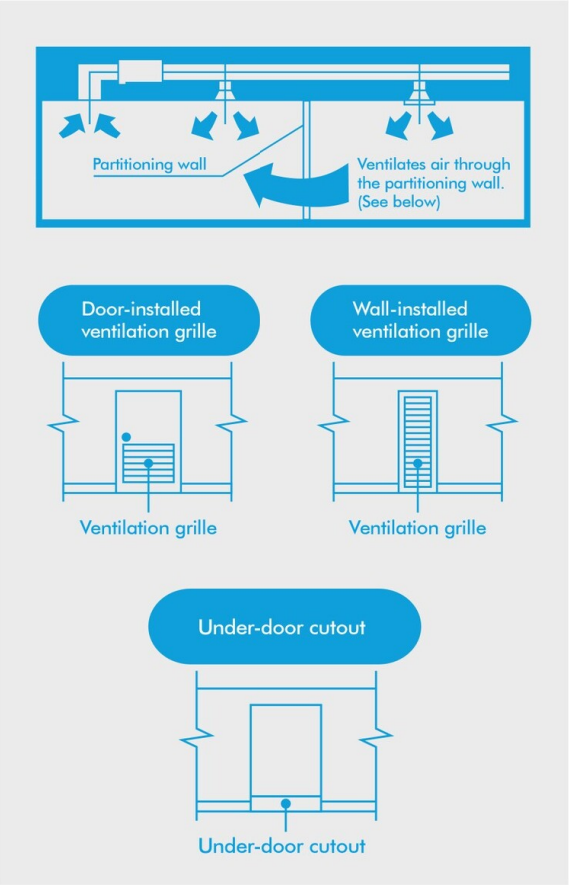


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Solutions 360°

• **SIMULTANEOUS AIR-CONDITIONING OF TWO ROOMS AND VENTILATION GRILLE (VENTILATION OPENING)**

When air-conditioning 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.

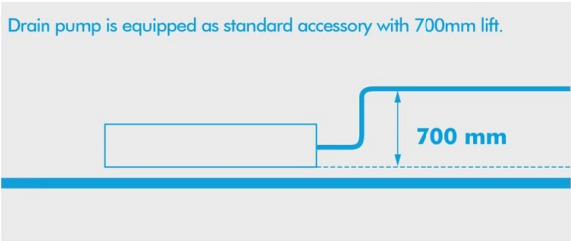
WORK & SERVICING

• **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	Height (mm)	Width (mm)	Depth (mm)	Machine weight (kg)
71 D	300	1,000	700	36
100 D	300	1,400	700	46
125 D	300	1,400	700	46
140 D	300	1,400	700	46



• **REDUCED INSTALLATION TIME**

USE REMOTE CONTROLLER TO ADJUST AIRFLOW
When testing standard integrated ceiling units that employ duct work, much time is 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

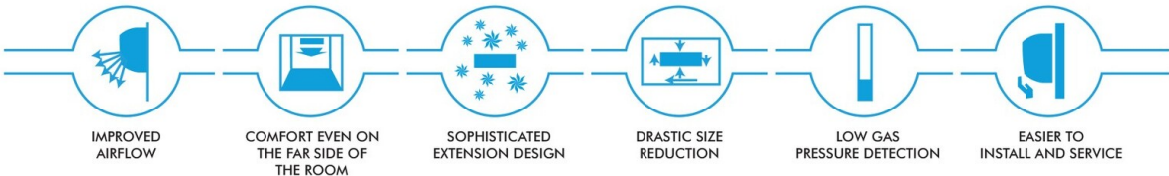
FAQ SERIES
COOLING ONLY & HEAT PUMP

FAQ SERIES

COOLING ONLY & HEAT PUMP



TOP CLASS IN THE INDUSTRY FOR COMPACTNESS AND SILENCE.
WALL MOUNTED AIR-CONDITIONERS DEMAND THIS KIND OF PERFORMANCE. **R-410A**



FAQ100 (COOLING ONLY)	10KW	COOLING
FAQ100 (HEAT PUMP)	10KW	COOLING
	11.2 KW	HEATING

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Solutions 360°

ACCESSORY REQUIRED FOR INDOOR UNIT

NAVIGATION REMOTE CONTROLLER (C/O)

Standard

BRC1E62
(Wired Remote Controller)
Note: Remote controller cable not included. Cables must be procured locally.

WIRED LCD REMOTE CONTROLLER (H/P)

Standard

BRC1C61
Note: Remote controller cable not include. Cables must be procured locally.

WIRELESS LCD REMOTE CONTROLLER

Option

A signal receiver must be added to the indoor unit.

BRC7EB519 (C/O)
BRC7EB518 (H/P)

Signal receiver unit
(Installed type)

FEATURES			
	FAQ	Cooling Only	Heat Pump
Comfort	Auto swing	•	•
	Draft prevention function	—	•
	Switchable fan speed	• (3 step)	• (3 step)
	Auto airflow rate	• *3	• *3
	Program 'Dry'	•	•
	Two selectable temperature-sensors (*1)	•	•
	Hot start (after defrost)	—	•
	Year-round cooling applicable	—	•
	Night quiet operation (*2)	•	•
Remote Controller	Setpoint auto reset (*3)	•	•
	Setpoint range set (*3)	•	•
	Weekly schedule timer (*4)	•	•
	Off timer (programmed) (*3)	•	•
	On/off timer (*3)	•	•
Cleanliness	Mould-proof air filter	•	•
Work & Servicing	Drain pump mechanism	• *5	• *5
	Pre-charged for up to 30 m (*2)	•	•
	Filter sign	•	•
	Low gas pressure detection (*2)	•	•
	Emergency operation	•	•
Control Features	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	•	•
Others	DIII-NET communication standard	•	•
	Anti corrosion treated heat exchangers (*2)	•	•

*1 Applicable when wired remote controller is used

*2 For the outdoor units

*3 Applicable when BRC1E62 is used

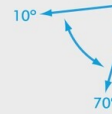
*4 Applicable when BRC1E62 is used

*5 Option

COMFORT

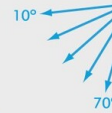
- **IMPROVED AIR BLOW MODES ENSURE COMFORTABLE AIR DISTRIBUTION ACROSS THE ENTIRE ROOM.**

Auto swing



Auto swing from 10° to 70°

5-level blow direction setting



Settable to five 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.

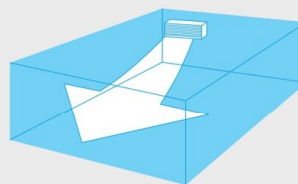
• TWO SELECTABLE THERMO-SENSORS

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.

Note: Thermo-sensor on indoor unit must be 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.



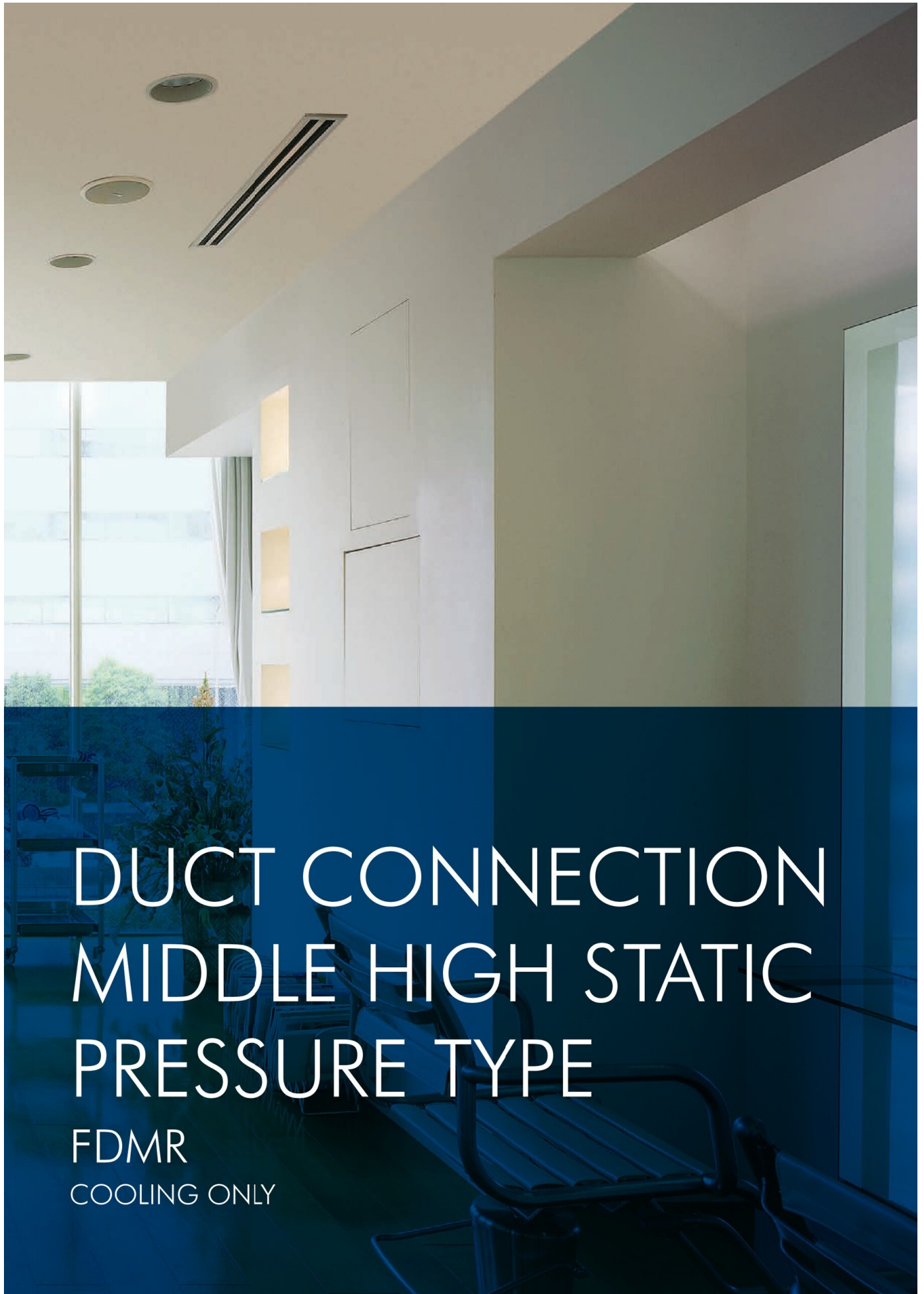
• LOW GAS PRESSURE DETECTION

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.









DUCT CONNECTION MIDDLE HIGH STATIC PRESSURE TYPE

FDMR
COOLING ONLY

FDMR

COOLING ONLY



FLEXIBLE USE OF SPACE IS MADE POSSIBLE USING DUCT TO MEET HIGH STATIC AND LARGE AIRFLOW FOR WIDER COVERAGE COMMERCIAL REQUIREMENTS



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Solutions 360°

FDMR36ERV16	3.0 TR	COOLING ONLY
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ACCESSORY REQUIRED FOR INDOOR UNIT

WIRED HANDSET

Standard

LCD TYPE
(Applicable for FDMR/FDR/FD)

CAPACITY	TONNAGE (TR)	3.0
3.0 TR NON INVERTER DUCT R-410A		3Ø
STATIC PRESSURE		30 Pa

WIRELESS HANDSET

Option

BRC4N151
(Cooling Only)

FEATURES



NEW WIRED LCD REMOTE CONTROLLER

New LCD based wired type remote handset with alphabetic error display like HP, LP, SP, indoor fan current sensor etc. In-built energy saver dedicated button and glossy finish.



HIGH PERFORMANCE EVEN AT HIGH AMBIENT TEMPERATURE

Always keeping your comfort in mind, Daikin ducted air conditioners work at high ambient temperature (48°C) without tripping. Get the best out of Daikin ducted air conditioners even in hot weather conditions.



UNDER VOLTAGE AND OVER VOLTAGE PROTECTION

Given the erratic electricity supply it becomes important that your air conditioners are guarded against under voltage and over voltage. Daikin ducted air conditioners offer protection against voltage fluctuation thus enhancing the operating life of your air conditioners.



PHASE IMBALANCE VOLTAGE

It is vital that your air conditioner is protected against imbalance and Daikin duct air conditioners offer this protection to ensure reliable operation of the air conditioner.

Electrical equipment especially motors and their controllers will not operate reliably on unbalanced voltages. Greater imbalances may cause overheating of components and damage the air conditioners.



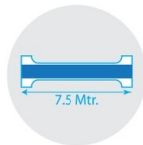
PHASE LOSS PROTECTION

In case of any phase loss Daikin machine will display error on its controller.



PHASE REVERSE PROTECTION

Phase reversal could cause serious problems therefore much care is required to protect the motor from such type of fault. Daikin duct air conditioners offer protection from phase reversal thus enhancing the life of the air conditioners.



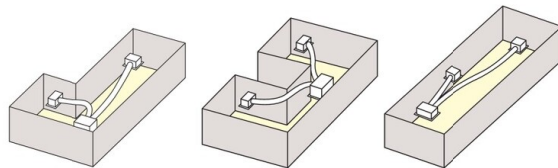
PRE-CHARGED REFRIGERANT

FDMR36ERV16 model is available with pre-charged refrigerant for 7.5 meter piping length. No need for additional refrigerant charge on-site if piping length is upto 7.5 meters.

COMFORT

SUPERIOR AIR DISTRIBUTION FOR COMFORTABLE LIVING

The conditioned air can be effectively distributed to every corner of the room through the ducting and this ensures a pleasant environment for comfortable living.

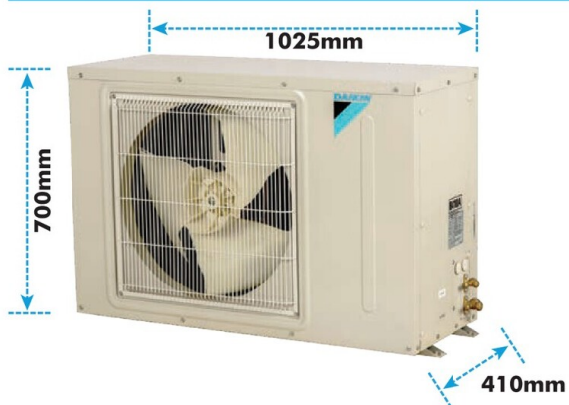


▶ L-SHAPED ROOM

▶ U-SHAPED ROOM

▶ LONG ROOM

OUTDOOR UNIT COMPACT DESIGN







FLOOR STANDING TYPE

FVRN & FVQN SERIES
COOLING ONLY & HEAT PUMP

FVRN & FVQN SERIES

COOLING ONLY & HEAT PUMP



R-410A

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Solutions 360°

AN IDEAL WAY OF SAVING SPACE WITH STYLE AND FUNCTIONALLY, WITH ITS EASE OF INSTALLATION. IT IS SUITED TO BE INSTALLED IN OFFICES, COMMERCIAL SHOPS, RESTAURANTS AND SHOWROOMS.



FVRN71 ~ 140 (COOLING ONLY)	8.3KW ~ 16.1 KW	COOLING
FVQN100 ~ 140 (HEAT PUMP)	11.7KW ~ 16.1 KW	COOLING
	11.7KW ~ 16.0 KW	HEATING

ACCESSORY REQUIRED FOR INDOOR UNIT

WIRELESS HANDSETS

Standard

BRC52A62
(Cooling Only)

BRC52A61
(Heat Pump)

WIRED HANDSET

Option

BRC51A62
(Cooling Only)
BRC51A61
(Heat Pump)

FEATURES			
	FVR/QN-AXV1	Cooling Only	Heat Pump
Comfort	Turbo Mode	•	•
	Quiet Mode	•	•
	Dry Mode	•	•
	Auto Mode	—	•
	Sleep Mode	•	•
Airflow	Selectable Fan Speed	•	•
	Manual Vertical Swing	•	•
	Automatic Horizontal Airflow	•	•
IAQ	Washable Saranet Filter	•	•
	Plasma (Optional)	•	•
Fin type	Anti Corrosion Hydrophilic Gold Fin	• ^{*2}	• ^{*2}
Controller	With Wireless Remote Controller	•	•
	With Wired Remote Controller	• ^{*1}	• ^{*1}
	Auto Random Restart	•	•
Power supply	Power from Outdoor	•	•
Option	Condensate Water Drain Pump	• ^{*1}	• ^{*1}
Other	Large Buttons on Control Panel	•	•
	Key lock For Prevention of Setting Change	•	•
	Error Code Display on the Seven-Segment of the Control Panel	•	•

^{*1} Option

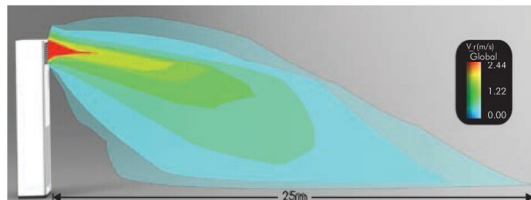
^{*2} Outdoor units only

1 TR (Tons of Refrigeration) = 3.517 kW

COMFORT

FLOOR STANDING AIR FLOW

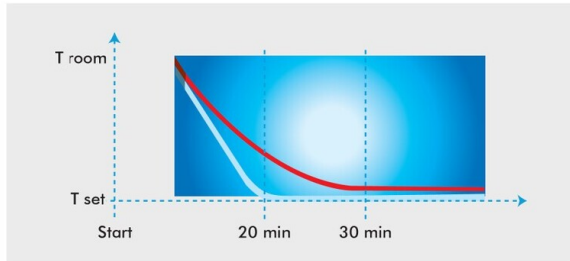
The floor standing is able to achieve air flow distance up to 25m*



*Note: Based on size 140

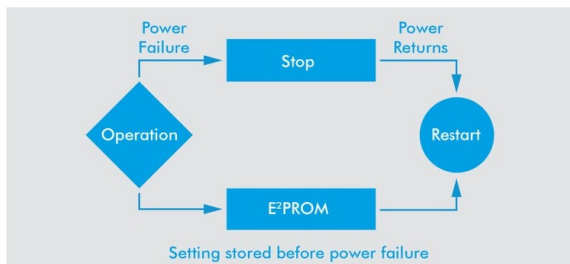
TURBO MODE

Once it is activated the air-conditioner 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.



WORK & SERVICING

LOCATION OF CONDENSATE WATER DRAIN PUMP

* Condensate water drain pump is optional, separately purchased and field installed.



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



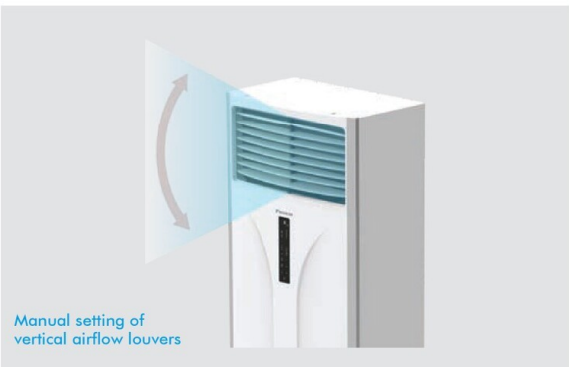
REMOVABLE WASHABLE SARANET FILTER



AIR FLOW

• **AUTO SWING**

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



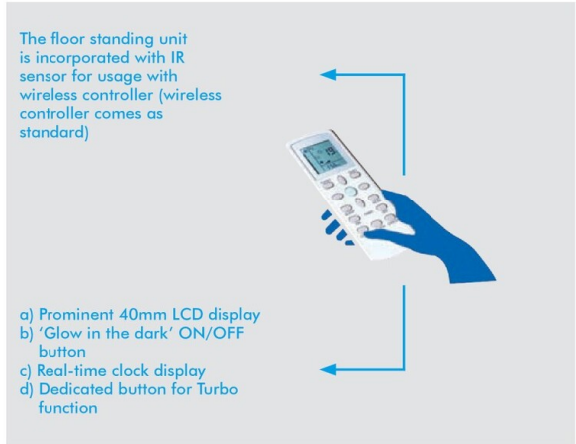
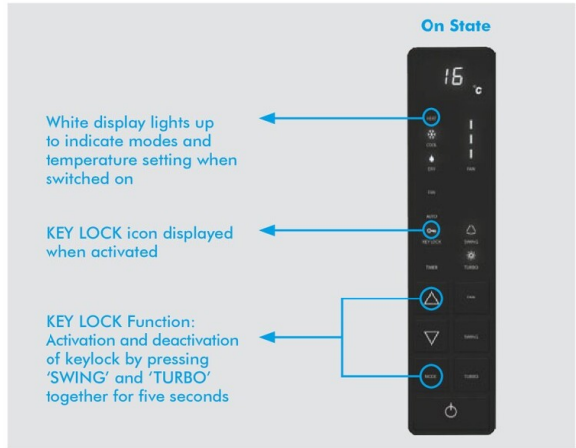
CONTROLLERS

The floor standing unit can be controlled by following methods:

- a) Settings by pressing the control panel on the unit.
- b) Settings by using the wireless controller (wireless controller comes as standard)
- c) 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**
- **KEY LOCK FOR PREVENTION OF SETTING CHANGE BY UNAUTHORISED PERSONNEL**



CEILING CONCEALED SERIES

FDB/MF & FDMQN SERIES
COOLING ONLY & HEAT PUMP

FDB/MF & FDMQN SERIES

COOLING ONLY & HEAT PUMP



ENHANCE THE DÉCOR OF YOUR ROOM WITH THE NEW UNOBTUSIVE CONCEALED SERIES



52 Solutions 360°	FDBF12~FDMF48 (COOLING ONLY)	3.5 KW ~ 14.0 KW	COOLING	R-32
	FDMQN25~140 (HEAT PUMP)	2.8 KW ~ 16.1 KW	COOLING	R-410A
		2.8 KW ~ 16.1 KW	HEATING	R-410A

ACCESSORY REQUIRED FOR INDOOR UNIT

WIRED HANDSETS

Standard

BRC51A61
(Heat Pump)

(Applicable for FDMQN only)

LCD type
(Aplicable for FDB/MF)

WIRELESS HANDSETS

Standard

BRC52A61
(Heat Pump)

(Applicable for FDMQN only)

BRC4N151
(Cooling Only)

*Available with FDMQN models.

FEATURES

	FDMR(Q)N	Cooling Only	Heat Pump
Comfort	Auto Fan Speed	•	•
	Auto Mode	—	•
	Auto Defrosting	—	•
	Dry Function	•	•
	Sleep Mode	•	•
IAQ	Washable Saranet Filter	•	•
Fin type	Anti Corrosion Hydrophilic Gold Fin	• *2	• *2
Controller	Wireless Controller	*1	*1
	Wired Controller	•	•
	24 Hour On/Off Timer	•	•
	Delay Timer	•	•
	Self Diagnosis Display	•	•
Protection	Auto Random Restart	•	•
	Hydrophilic Gold Fin Outdoor Heat Exchanger	•	•
Power supply	Power from Outdoor	•	•

*1 Option

*2 Outdoor units only

1 TR (Tons of Refrigeration) = 3.517 kW

FEATURES FDMR(Q)N

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.

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.

FEATURES FDB/MF

WIDE EXTERNAL STATIC RANGE

Wide static range makes these series suitable to wide applications. Low static machines finds their application at space constraint areas i.e. Hotels and apartments. This series offering includes mid static machines also which meet the static requirements of long ducts and multi zones.

Refrigerant	Model Size (TR)	1.0	1.5	2.0	2.5	2.8	3.5	4.0
R-32	Static (Pa)	20	20	20	20	30	40	50

LOW HEIGHT APPLICATION

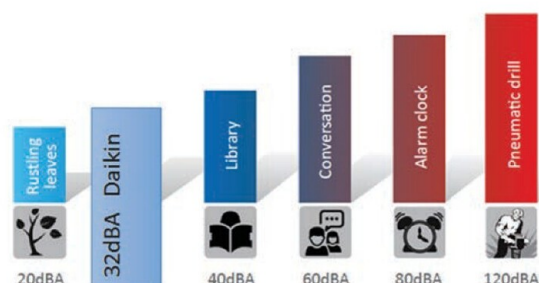
New residential and commercial spaces, HVAC requirement are tilting towards low height indoor machines. FDBF range of low static machines with unit's height as low as 250 mm are the perfect match for low ceiling height installations.

Model Size (TR)	1.0	1.5	2.0	2.5	2.8	3.5	4.0
Unit Height (mm)	250	250	250	295	295	295	295

QUIET OPERATION

Daikin ceiling concealed machines are designed to keep Enclosed area super quiet. Enclosed areas air-conditioned by FDBF machines are quieter than libraries.

Model Size (TR)	Speed	1.0	1.5	2.0	2.5	2.8	3.5	4.0
Sound Level dB(A)	H	36	39	43	43	42	42	49
	M	34	36	40	40	39	39	45
	L	32	34	38	38	36	36	43







OUTDOOR UNITS

NEW COMPACT OUTDOOR UNIT - INVERTER



RZR50LVVM6
RZR60LVVM6
RZR71LVVM6



RZR100LVVM6



RZR100LUY1
RZR125LVVM/LUY1
RZR140LVVM/LUY1



RZQ71KCV4A



RZQ100KCV4A
RZQ125KCV4A
RZQ140KCV4A



RZQ100HAY4A
RZQ125HAY4A
RZQ140HAY4A

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Solutions 360°

EASY INSTALLATION AND MAINTENANCE

PRE CHARGED FOR UP TO 30 METRES

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

• **LONG PIPING LENGTH**

Allowed refrigerant piping length and level difference

	RZR50-140LV RZQ71KC	RZQ100-140KC RZQ100-140HA
Pre charged¹	30 m	
Max length	50 m (Equivalent length 70 m)	75 m (Equivalent length 90 m)
Max. level difference	30 m	

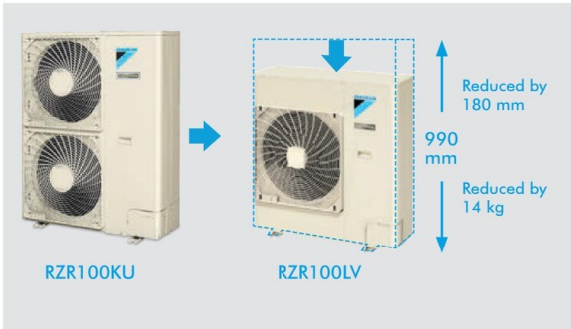
Note: ¹Additional refrigerant charging is required if the refrigerant pipe is longer than the length.

• **COMPACT AND LIGHTWEIGHT**

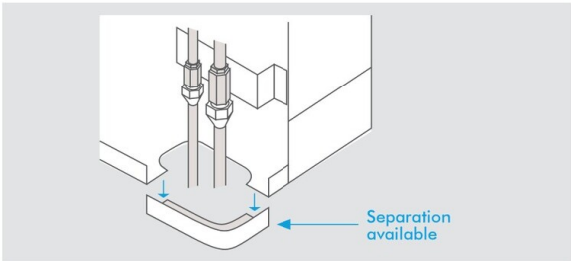
Reduced installation work thanks to light, compact outdoor unit.

Comparison of outdoor units

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



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



- FACILITATES PUMP-DOWN
(Refrigerant recovery function)
A pump-down switch is provided to make it easier to collect refrigerant if the unit is to be moved or layout modified. Pump-down function is available for pre-charged refrigerant amount.
- LOW GAS PRESSURE DETECTION FUNCTION
Effective gas monitoring reduces the labour required for operation, maintenance and repairs.

ENERGY SAVING

(RZR50-71 only)
Through use of a V-cut propeller fan that imitates the efficiency of the swan, a migratory bird, airflow becomes smooth and loss is reduced.



DURABILITY

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

CONSTRUCTION NON-TREATED FIN PE FIN

- Aluminium
- Hydrophilic film
- Aluminium
- 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.



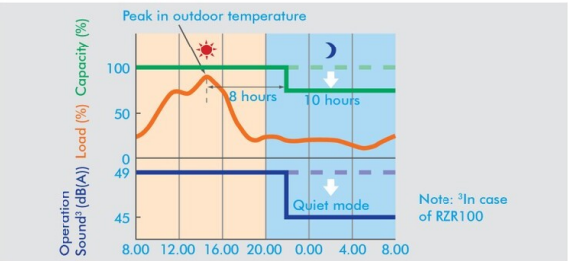
NIGHT TIME QUIET OPERATION FUNCTION

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	Night quiet mode
RZR50/60LV	-	48	44
RZR71LV	RZQ71KC	48	44
RZR100LV	RZQ100KC/100HA	49	45
RZR125LV	RZQ125KC/125HA	50	45
RZR140LV	RZQ140KC/140HA	50	46

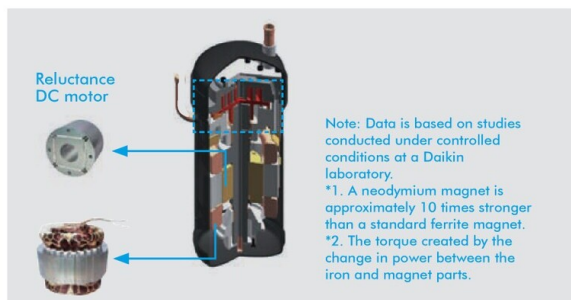
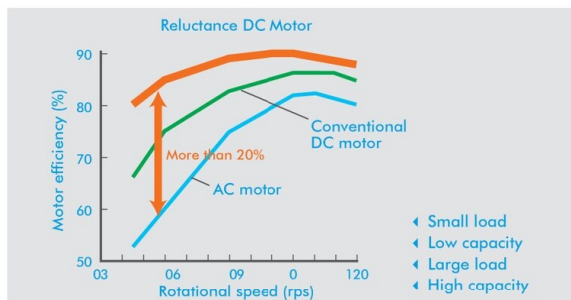
Note: 1 Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions. 2 Value when cooling. Value will differ when heating.



TECHNOLOGY FOR ENERGY EFFICIENCY

The high efficiency compressor to achieve a high COP.

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



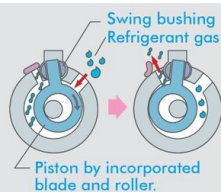
- SMOOTH SINE WAVE DC INVERTER**
 Use of an optimised sine wave smooths motor rotation, further improving operating efficiency.



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

>> Swing compressor

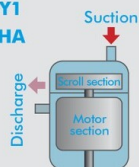
Energy savings are realised, eliminating the friction and the leakage of refrigerant gas.



RZR125/140LVVM, RZR100/125/140LUI1 RZQ100/125/140KC, RZQ100/125/140HA

>> The structural scroll

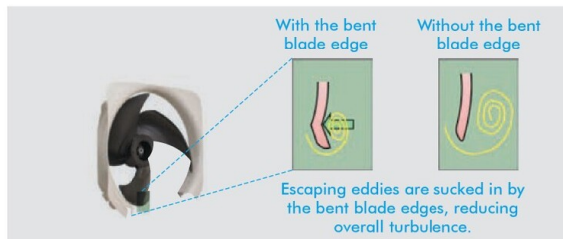
Sucked gas is compressed in the scrolling part before the heated motor, so that the machine compresses the non-expanded gas, resulting in high efficiency compression.



SMOOTH AIR INLET BELL MOUTH AND AERO SPIRAL FAN

(not applicable for RZR50-71)

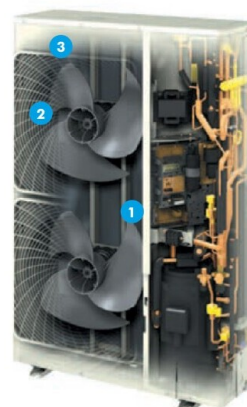
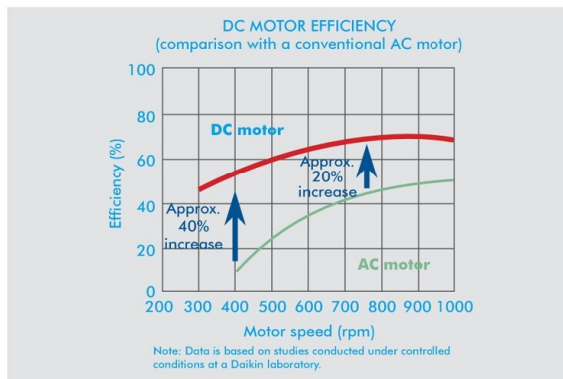
These two features work to reduce noise. Guides are added to the bell mouth intake to reduce turbulence in the airflow generated by fan suction. The Aero Spiral Fan features blades with bent edges, further reducing turbulence.



DC FAN MOTOR

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

DC FAN MOTOR STRUCTURE



• **SUPER AERO GRILLE**

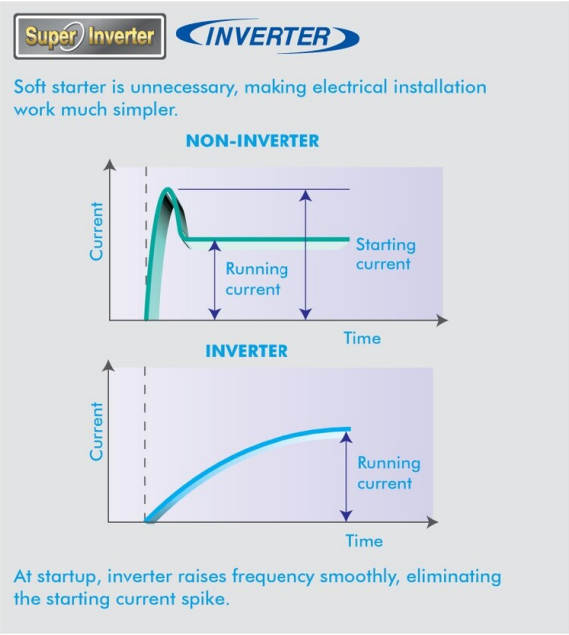
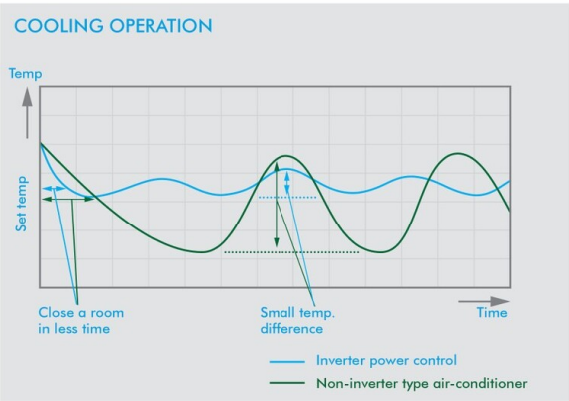
Refined ventilation mechanism enables further reduction in required fan power.

• **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.



• **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
RZR50/60LVVM6	48	44
RZR71LVVM6	48	44
RZR100LVVM/LUY1	49	45
RZR125LVVM/LUY1	50	45
RZR140LVVM/LUY1	50	46

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

OUTDOOR UNITS

NON INVERTER



R(Y)N25/35CG



R(Y)N50/60CG



RR(Q)71C



RR36ERY16



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

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Solutions 360°

COMPACT & QUIET

- EQUIPPED WITH SCROLL COMPRESSOR FOR QUIETER OPERATION**
Smooth running, minimal vibration, low operating noise.
(Applicable for RR(Q)90/100/125/140D)

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

dB(A)



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 (12) m	8 (8) m
R(Y)N60CG	7.5 m	15 (12) 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.

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
Display set temperatures at both cooling and heating operations.

The diagram shows a control panel with 'Auto' mode selected. It displays 'Set 18' and 'Cool 26°C' and 'Heat 20°C'. A callout box shows a grid with 'Cool 26°C' and 'Heat 20°C' highlighted.

BACKLIGHT DISPLAY
Equipped backlight helps operating in dark rooms.

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

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.

The image shows a hand pointing at the 'Menu' button on the remote. To the right, a screenshot of the 'Main Menu' screen is shown with options: 'Convenient functions', 'Setting status list', 'Clock setting', and 'Language changeover'. Below this, another screenshot shows the 'OFF reminder timer' setting, which is set to '60 minutes'.

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
- Real-time clock and day display

WIRED REMOTE CONTROLLER



• NON INVERTER

	Wired remote controller	C/O	H/P
1	Floor Standing Type (FVRN/FVQN)	BRC51A62	BRC51A61
2	Duct Connection Middle Static Pressure Type (FDMQN)	—	BRC51A61

• INVERTER

	Wired remote controller	C/O	H/P
1	Wall Mounted Type (FAQ)	BRC1E62	BRC1C61
2	Ceiling Suspended Type (FHQ)	BRC1E62	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)	BRC1E62	BRC1E62

• WIRED REMOTE CONTROLLER HAS BUILT-IN THERMO-SENSOR

(Applicable For BRC1C61/BRC51A61/62)

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

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

• FACILITATES MAINTENANCE AND REPAIR

(Applicable For BRC1C61)

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

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

(Applicable For BRC1C61)

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

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

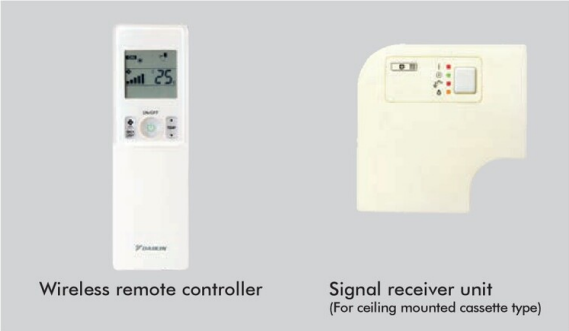
(Applicable For BRC1C61)

- Easily adaptable to large-scale, high-function, centralised remote control systems.
Installing and connecting control wiring between SkyAir and other Daikin air-conditioning equipment is easy.
- Optional adaptor for external commands or remote control of external equipment has been standardised to one type.

WIRELESS LCD REMOTE CONTROLLER

• **SIGNAL RECEIVER MOUNTED TYPE**

- The wireless remote controller is supplied in a set with a signal receiver.
- Shape of signal receiver unit differs according to the indoor unit.



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

WIRELESS CONTROLLER (BRC52A62)

- ON/OFF button with night glow
- Fan speed selection: low, med, high, auto
- Temperature setting: up and 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	Floor Standing Type (FVRN/FVQN)	BRC52A62 (Standard)	BRC52A61 (Standard)
2	Duct Connection Middle Static Pressure Type (FDMQN)	—	BRC52A61 (Standard)

• **INVERTER**

	Wireless remote controller	C/O	H/P
1	Wall Mounted Type (FAQ)	BRC7EB519	BRC7EB518
2	Ceiling Suspended Type (FHQ)	BRC7EA66	BRC7EA63W9
3	Floor Standing Type (FVQ)	—	—
4	Ceiling Mounted Slim Duct Type (FDXS)	—	ARC432B69
5	Duct Connection Middle High Static Pressure Type (FBQ)	BRC4M150W16 (Remote) BRC4M61-6 (Sensor)	BRC4M150W16 (Remote) BRC4M61-6 (Sensor)




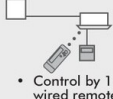
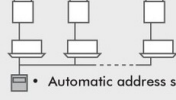
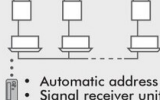


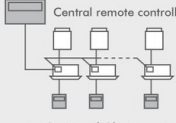
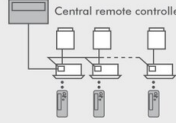
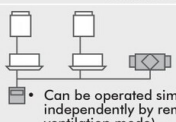
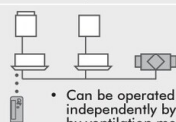
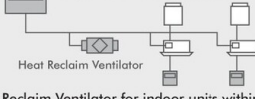
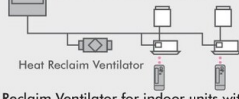
• **LCD PANEL SHOWS OPERATING STATUS IN LETTERS, NUMBERS AND MOTION**

(Applicable for BRC1C61)

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

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

(Refer data book for the list of applicable controllers)

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

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





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

Set back time clock
BRC15A61 (Option)



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

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

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

FUNCTION LINE UP

ABUNDANCE OF FUNCTIONS THAT PROVIDE COMFORTABLE AIR-CONDITIONING 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.

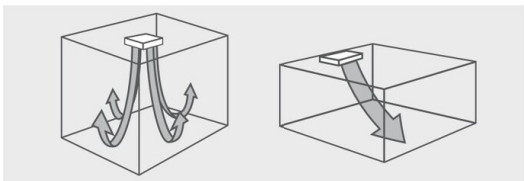
- Applicable for wall mounted type.

MOULD-RESISTANT TREATMENT FOR FILTER

Sanitary filter has mould-resistant treatment.

HIGH-CEILING APPLICATION

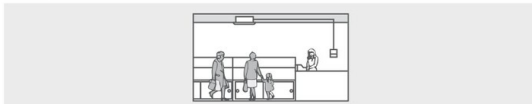
Delivers air-conditioning comfort all the way down to the floor in air-conditioning zones with high ceilings.



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

DOUBLE PROTECTION DRAINAGE SYSTEM

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.



- Use the thermo-sensor in the indoor unit when controlling air-conditioning from another room.

Note: Wireless remote controllers have no thermo-sensor.

HOT START (AFTER DEFROST)

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

YEAR-ROUND COOLING APPLICABLE

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

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

TIMER SELECTOR

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

MILDEW PREVENTION

MILDEW-PROOFING DRAIN PAN

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

OTHERS

TWIN / TRIPLE / DOUBLE TWIN MULTI OPERATION

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

PE FIN

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

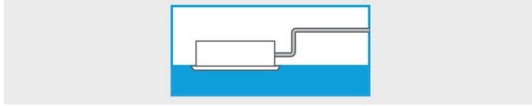
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• WORK & SERVICING

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 TWO REMOTE CONTROLLERS

Using two remote controllers you can operate the equipment locally or from a remote location.

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

INTERLOCK CONTROL

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

• OPTIONS

HIGH-EFFICIENCY FILTER UNIT

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

ULTRA LONG-LIFE FILTER

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

*For dust concentration of 0.15mg/m³

LOW GAS PRESSURE DETECTION

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

EMERGENCY OPERATION

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

SELF DIAGNOSIS FUNCTION

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

FILTER SIGN

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

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

CONTROL BY 1 REMOTE CONTROLLER

You can turn up to 16 indoor units on/off with a single remote controller. (When using connected indoor units, the settings must all be the same and on/off will be simultaneous.)

EXTERNAL COMMAND CONTROL

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

CENTRAL REMOTE CONTROL

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

FRESH-AIR INTAKE KIT

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

SPECIFICATIONS

CEILING SUSPENDED TYPE (Cooling Only)


R-410A

Model Name	Indoor unit		FHQ125BVV1B	FHQ100BVV1B	FHQ125BVV1B
	Outdoor unit		RZR125LVVM6	RZR100LUY1	RZR125LUY1
Power supply			1 Phase, 220-240 V, 50 Hz	3 Phase, 380-415 V, 50 Hz	3 Phase, 380-415 V, 50 Hz
Cooling capacity -Rated (min ~max)		kW	12.5(5.7-14.0)	10.0 (5.0-11.2)	12.5(5.7-14.0)
Power consumption	Cooling-Rated	kW	4.550	3.510	4.550
Annual Power Consumption		kWh	NA	NA	NA
ISEER / Stars		Wh/Wh	NA	NA	NA
Indoor unit	Colour		White	White	White
	Airflow rate (H/L)	m ³ /min	30/25	24/20	30/25
		cfm	1059/883	847/706	1059/883
	Sound level (H/L)	dB(A)	44/39	42/37	44/39
	Dimensions (HXWxD)	Unit	195x1590x680	195x1400x680	195x1590x680
		Panel	mm	NA	NA
	Machine weight	Unit	kg	32	35
		Panel	kg	NA	NA
	Certified operation range	°CWB	14 to 25	14 to 25	14 to 25
Outdoor unit	Colour		Ivory White	Ivory White	Ivory White
	Compressor	Type	Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type
		Motor output	kW	2.6	2.1
	Refrigerant charge (R-410A)	kg	3.7(Charged For 30m)	2.7(Charged For 30m)	3.7(Charged For 30m)
	Sound level	Cooling	dB(A)	49	50
	Dimensions (HXWxD)	mm	1170x900x320	1170x900x320	1170x900x320
	Machine weight	kg	97	92	97
	Certified operation range	°CDB	21 to 46	21 to 46	21 to 46
Piping connections	Liquid (Flare)	mm	Ø9.5	Ø9.5	Ø9.5
	Gas (Flare)	mm	Ø15.9	Ø15.9	Ø15.9
	Drain	mm	VP20(I.D Ø20, O.D Ø26)	VP20(I.D Ø20, O.D Ø26)	VP20(I.D Ø20, O.D Ø26)
Max. interunit piping length		m	50 (Equivalent length 70)	50 (Equivalent length 70)	50 (Equivalent length 70)
Max. installation level difference		m	30	30	30

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

CEILING SUSPENDED TYPE (Heat Pump)


R-410A

Model Name	Indoor unit		FHQ125BVV1B	FHQ100BVV1B	FHQ125BVV1B
	Outdoor unit		RZQ125KCY4A	RZQ100HAY4A	RZQ125HAY4A
Power supply			1 Phase, 240 V, 50 Hz	3 Phase, 415 V, 50 Hz	3 Phase, 415 V, 50 Hz
Cooling capacity -Rated (min ~max)		kW	11.2 (5.7-14.0)	9.2 (5.0-11.2)	11.2 (5.7-14.0)
Heating capacity -Rated (min ~max)		kW	13.5 (6.0-16.2)	10.5 (5.1-12.8)	13.5 (6.0-16.2)
Power consumption	Cooling-Rated	kW	3.700	2.850	3.550
Power consumption	Heating-Rated	kW	4.350	3.260	4.350
Annual Power Consumption		kWh	NA	NA	NA
ISEER / Stars		Wh/Wh	NA	NA	NA
Indoor unit	Colour		White	White	White
	Airflow rate (H/L)	m ³ /min	30/25	24/20	30/25
		cfm	1059/883	847/706	1059/883
	Sound level (H/L)	dB(A)	44/39	42/37	44/39
	Dimensions (HXWxD)	Unit	195x1590x680	195x1400x680	195x1590x680
		Panel	mm	NA	NA
	Machine weight	Unit	kg	32	35
		Panel	kg	NA	NA
	Certified operation range	°CWB	15 to 27	15 to 27	15 to 27
Outdoor unit	Colour		Ivory White	Ivory White	Ivory White
	Compressor	Type	Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type
		Motor output	kW	2.4	2.3
	Refrigerant charge (R-410A)	kg	3.7(Charged For 30m)	4.3(Charged For 30m)	4.3(Charged For 30m)
	Sound level	Cooling/ Heating	dB(A)	49/51	50/52
	Dimensions (HXWxD)	mm	1170x900x320	1345x900x320	1345x900x320
	Machine weight	kg	98	108	108
	Certified operation range	Cooling	°CDB	-5 to 46	-5 to 46
	Certified operation range	Heating	°CWB	-15 to 15.5	-15 to 15.5
Piping connections	Liquid (Flare)	mm	Ø9.5	Ø9.5	Ø9.5
	Gas (Flare)	mm	Ø15.9	Ø15.9	Ø15.9
	Drain	mm	VP20(I.D Ø20, O.D Ø26)	VP20(I.D Ø20, O.D Ø26)	VP20(I.D Ø20, O.D Ø26)
Max. interunit piping length		m	75 (Equivalent length 90m)	75 (Equivalent length 90m)	75 (Equivalent length 90m)
Max. installation level difference		m	30	30	30

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

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Solutions 360°

CEILING MOUNTED SLIM DUCT TYPE (Heat Pump)



Model Name			Indoor unit	Outdoor unit	25	35	50	60	
					FDXS25CVMA RXS25EBVMA	FDXS35CVMA RXS35EBVMA	FDXS50CVMA RXS50FVMA	FDXS60CVMA RXS60FVMA	
Power supply					1 Phase, 220-240 V, 50 Hz				
Cooling capacity¹ Rated (Min. - Max.)					kW	2.4 (1.2-3.0)	3.4 (1.2-3.8)	5 (1.7-5.3)	6 (1.7-6.5)
Heating capacity² Rated (Min. - Max.)					kW	3.2 (1.2-4.5)	4 (1.2-5.0)	5.8 (1.7-6.0)	7 (1.7-8.0)
Power consumption			Cooling¹	kW	0.69 (0.3-0.92)	1.09 (0.3-1.27)	1.65 (0.44-1.93)	2.13 (0.44-2.49)	
			Heating ²	kW	0.91 (0.29-1.49)	1.18 (0.29-1.79)	1.92 (0.4-2.04)	2.32 (0.4-3.18)	
Indoor unit	Airflow rate (H/L)			l/s	158/133	167/142	200/167	266/225	
				m³/min	9.5/8	10/8.5	12/10	16/13.5	
	Fan	External static pressure	Pa(mm-H2O)	40					
	Sound level (H/L)³		dB(A)	35/31					
	Dimensions (H×W×D)		mm	200X900X620					
	Machine weight		kg	25					
Certified Cooling			CWB	14 to 28					
Operation range Heating			CDB	10 to 30					
Outdoor unit	Colour		Ivory white						
	Compressor	Type	Hermetically sealed swing type						
		Motor output	kW	0.6					
	Refrigerant charge (R-410A)		kg	1.0 (Charged for 10 m)					
	Sound level		dB(A)	46/47	47/48	1.5 (Charged for 10 m)		49/49	
		Sound power	Cooling³ Heating³	dB(A)	61/62	62/63	61/62	63/63	
				mm	550X765X285				
	Dimensions (H×W×D)		mm	735X825X300					
	Machine weight		kg	34					
	Certified		CDB	10 to 46					
Operation range		CWB	-10 to 20						
Liquid (Flare)		mm	Ø6.4						
Piping connections		Gas (Flare)	mm	Ø9.5					
		Drain	Indoor unit	VP20 (I.D.Ø20XO.D.Ø26)					
Outdoor unit	mm		Ø18.0 (Hole)						
Max. interunit piping length			m	20					
Max. installation level difference			m	15					
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. Equiv. refrigeration piping: 7.5 m (horizontal).

2 Rated heating capacities are based on the following conditions: Suction temp., 20°CDB; outdoor temp. 7°CDB, 6°CWB. Equiv. refrigeration piping: 5 m (horizontal).

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

4 Numerical values are according to ISO 3741:1999

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Solutions 360°

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



Model		Indoor Unit		FDMR36ERV16
		Outdoor Unit		RR36ERY16
Nominal Capacity			BTU/hr	36000
			kW	10.54
Nominal Total Input Power			W	3750
Power Source			V/Ph/Hz	415/3/50
Refrigerant Type				R-410A
Indoor Unit	Control	Operation		Wired Control
	Airflow	High	CFM	1200
		Medium	CFM	1040
		Low	CFM	880
	External Static Pressure		Pa	30
	Sound Pressure Level		dBA	53
	Unit Dimension	Height	mm	375
		Width	mm	780
		Depth	mm	560
	Packing Dimension	Height	mm	380
		Width	mm	945
		Depth	mm	570
	Unit Weight		Kg	31
	Condensate Drain Size		mm	32
Outdoor Unit	Unit Dimension	Height	mm	700
		Width	mm	1025
		Depth	mm	410
	Packing Dimension	Height	mm	715
		Width	mm	1130
		Depth	mm	455
	Unit Weight		Kg	66
	Pipe Connection	Type		Brazing
		Liquid	mm	9.52
		Gas	mm	15.87
Refrigerant Charge		Kg	2.65	

FLOOR STANDING TYPE (Heat Pump)



R-410A

Model Name	Indoor unit		FVQ125CVEB	FVQ140CVEB	FVQ100CVEB	FVQ125CVEB	FVQ140CVEB
	Outdoor unit		RZQ125KCV4A	RZQ140KCV4A	RZQ100HAY4A	RZQ125HAY4A	RZQ140HAY4A
Power supply			1 Phase, 220-240 V, 50 Hz	1 Phase, 220-240 V, 50 Hz	3 Phase, 415 V, 50 Hz	3 Phase, 415 V, 50 Hz	3 Phase, 415 V, 50 Hz
Cooling capacity -Rated (min ~max)		kW	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 capacity -Rated (min ~max)		kW	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-Rated	kW	4.390	5.400	3.280	4.390	5.400
Power consumption	Heating-Rated	kW	4.260	5.280	3.670	4.260	5.280
Annual Power Consumption		kWh	NA	NA	NA	NA	NA
ISEER / Stars		Wh/Wh	NA	NA	NA	NA	NA
Indoor unit	Colour		Fresh White	Fresh White	Fresh White	Fresh White	Fresh White
	Airflow rate (H/M/L)		m3/min 28/26/24	30/28/26	28/25/22	28/26/24	30/28/26
	cfm 988/918/847		1059/988/918	988/883/777	988/918/847	1059/988/918	
	Sound level (H/M/L)		dB(A) 51/48/46	53/51/48	50/47/44	51/48/46	53/51/48
	Dimensions (H×W×D)	Unit	mm	1850x600x350	1850x600x350	1850x600x350	1850x600x350
		Panel	mm	NA	NA	NA	NA
	Machine weight	Unit	kg	47	47	47	47
		Panel	kg	NA	NA	NA	NA
	Certified operation range		Heating	°CWB 15 to 27	15 to 27	15 to 27	15 to 27
Outdoor unit	Colour		Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
	Compressor	Type	Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type
		Motor output	kW	2.4	3.1	1.7	2.2
	Refrigerant charge (R-410A)		kg	3.7(Charged For 30m)	3.7(Charged For 30m)	4.3(Charged For 30m)	4.3(Charged For 30m)
	Sound level	Cooling/Heating	dB(A)	50/52	50/52	49/51	50/52
	Dimensions (H×W×D)		mm	1170x900x320	1170x900x320	1345x900x320	1345x900x320
	Machine weight		kg	98	98	108	108
	Certified operation range	Cooling	°CDB	-5 to 46	-5 to 46	-5 to 46	-5 to 46
	Certified operation range	Heating	°CWB	-15 to 15.5	-15 to 15.5	-15 to 15.5	-15 to 15.5
	Piping connections	Liquid (Flare)		mm	Ø9.5	Ø9.5	Ø9.5
Gas (Flare)		mm	Ø15.9	Ø15.9	Ø15.9	Ø15.9	
Drain		mm	VP20(I.D Ø20, O.D Ø26)	VP20(I.D Ø20, O.D Ø26)	VP20(I.D Ø20, O.D Ø26)	VP20(I.D Ø20, O.D Ø26)	
Max. interunit piping length			m	75 (Equivalent length 90m)	75 (Equivalent length 90m)	75 (Equivalent length 90m)	75 (Equivalent length 90m)
Max. installation level difference			m	30	30	30	30

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
INVERTER TYPE (COOLING ONLY)

R-32

Model Name	Indoor unit		FDMF50BRV16	FDMF71BRV16	FDMF90BRV16	FDMF100BRV16	
	Outdoor unit		RZMF50BRV16	RZMF71BRV16	RZMF90BRV16	RZMF100BRV16	
Power supply			1 Phase, 220-240 V, 50 Hz	1 Phase, 220-240 V, 50 Hz	1 Phase, 220-240 V, 50 Hz	1 Phase, 220-240 V, 50 Hz	
Tonnage Range			1.42 TR	2 TR	2.5 TR	2.8 TR	
Cooling capacity -Rated (min ~max)		kW	5.2 (2.3-5.6)	7.1 (3.2-8.0)	9.0 (4.5-10.1)	10.5 (5.0-11.2)	
Power consumption	Cooling-Rated	kW	1.600	2.150	2.700	3.330	
ISEER / Stars/COP		Wh/Wh	3.25	3.30	3.33	3.15	
Indoor Unit	Airflow rate (H/M/L)	m³/min	18/15/12.5	23/19.5/16	32/27/22.5	32/27/22.5	
		cfm	635/530/441	812/689/565	1130/935/795	1130/935/795	
	Sound level (H/L)	dB(A)	33/29/26	38/36/34	38/34/32	38/34/32	
	Dimensions (H×W×D)	mm	300x1000x700	300x1000x700	300x1400x700	300x1400x700	
	Machine weight	kg	34	34	43	43	
Outdoor Unit	Compressor	Type	Hermetically Sealed Swing Type	Hermetically Sealed Swing Type	Hermetically Sealed Swing Type	Hermetically Sealed Swing Type	
		Motor output	kW	1.3	1.3	1.6	1.6
	Refrigerant		R-32	R-32	R-32	R-32	
	Refrigerant charge		kg	1.09(Charged For 15m)	1.3(Charged For 15m)	2.8(Charged For 30m)	2.8(Charged For 30m)
	Sound level	Cooling	dB(A)	48	50	51	51
	Dimensions (H×W×D)		mm	595x845x300	595x845x300	990x940x320	990x940x320
	Machine weight		kg	36.5	40	57	57
Certified operation range		°CDB	19 to 48	19 to 48	19 to 48	19 to 48	
Piping connections	Liquid (Flare)	mm	ø9.5	ø9.5	ø9.5	ø9.5	
	Gas (Flare)	mm	ø15.9	ø15.9	ø15.9	ø15.9	
	Drain	mm	VP25 (I.D ø25 , O.D ø32)	VP25 (I.D ø25 , O.D ø32)	VP25 (I.D ø25 , O.D ø32)	VP25 (I.D ø25 , O.D ø32)	
Max. interunit piping length		m	Ref Piping Max Length -30	Ref Piping Max Length -30	50 (Equivalent length 70)	50 (Equivalent length 70)	
Max. installation level difference		m	20	20	30	30	

DUCT CONNECTION MIDDLE AND HIGH STATIC PRESSURE INVERTER TYPE (COOLING ONLY)



Model Name	Indoor unit		FDMF125BRV16	FDMF140BRV16	FDMF125BRV16	FDMF140BRV16	
	Outdoor unit		RZMF125BRV16	RZMF140BRV16	RZMF125BRV16	RZMF140BRV16	
Power supply			1 Phase, 220-240 V, 50 Hz	1 Phase, 220-240 V, 50 Hz	IDU 1 Phase/ODU 3 Phase, 380-415 V, 50 Hz	IDU 1phase /ODU 3 Phase, 380-415 V,50 Hz	
Tonnage Range			3.5 TR	4 TR	3.5 TR	4 TR	
Cooling capacity -Rated (min ~max)		kW	12.5(5.7-14.0)	14.0 (6.2-15.4)	12.5(5.7-14.0)	14.0 (6.2-15.4)	
Power consumption	Cooling-Rated	kW	4.700	6.100	4.400	5.700	
ISEER / Stars/COP		Wh/Wh	2.66	2.3	2.84	2.46	
Indoor Unit	Airflow rate (H/M/L)	m³/min	40/34/28	40/34/28	40/34/28	40/34/28	
		cfm	1412/1200/989	1412/1200/989	1412/1200/989	1412/1200/989	
	Sound level (H/L)	dB(A)	42/39/35	42/39/35	42/39/35	42/39/35	
	Dimensions (HxWxD)	mm	300x1400x700	300x1400x700	300x1400x700	300x1400x700	
	Machine weight	kg	45	45	45	45	
Outdoor Unit	Compressor	Type	Hermetically Sealed Swing Type	Hermetically Sealed Swing Type	Hermetically Sealed Swing Type	Hermetically Sealed Swing Type	
		Motor output	kW	2.4	2.4	2.4	2.4
	Refrigerant		R-32	R-32	R-32	R-32	
	Refrigerant charge		kg	3.1 (Charged For 30m)	3.1 (Charged For 30m)	3.1 (Charged For 30m)	3.1 (Charged For 30m)
	Sound level	Cooling	dB(A)	55	55	55	55
	Dimensions (HxWxD)		mm	990x940x320	990x940x320	990x940x320	990x940x320
	Machine weight		kg	69	69	69	69
Certified operation range		°CDB	19 to 48	19 to 48	19 to 48	19 to 48	
Piping connections	Liquid (Flare)	mm	ø9.5	ø9.5	ø9.5	ø9.5	
	Gas (Flare)	mm	ø15.9	ø15.9	ø15.9	ø15.9	
	Drain	mm	VP25 (I.D ø25 , O.D ø32)	VP25 (I.D ø25 , O.D ø32)	VP25 (I.D ø25 , O.D ø32)	VP25 (I.D ø25 , O.D ø32)	
Max. interunit piping length		m	50 (Equivalent length 70)	50 (Equivalent length 70)	50 (Equivalent length 70)	50 (Equivalent length 70)	
Max. installation level difference		m	30	30	30	30	

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



Model Name			Indoor unit	71	100	125	140	100	125	140	
			Outdoor unit	FBQ71DV1 RZQ71KCV4A	FBQ100DV1 RZQ100KCV4A	FBQ125DV1 RZQ125KCV4A	FBQ140DV1 RZQ140KCV4A	FBQ100DV1 RZQ100HAY4A	FBQ125DV1 RZQ125HAY4A	FBQ140DV1 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 ¹	kW	2.22	3.17	3.97	4.16	3.17	3.97	4.16	
		Heating ²	kW	2.43	3.15	3.95	4.68	3.15	3.95	4.68	
COP		Cooling	W/W	3.20				3.15			
		Heating	W/W	3.29	3.56	3.54	3.42	3.56	3.54	3.42	
Indoor unit	Colour			-							
	Fan	Airflow rate (H/L)	m ³ /mn cfm	18/15 635/530	32/23 1,130/812	39/28 1,377/988			32/23 1,130/812	39/28 1,377/988	
		External static pressure ³ (Middle-High)	Pa	50-200							
	Sound level (H/L) ⁴	dB(A)	37/32	38/33	40/36	40/36	38/33	40/36	40/36		
	Dimensions (HX WX D)	mm	300X 1,000X 700			300X 1,400X 700					
	Machine weight	kg	36	46							
	Certified Operation range	Cooling	°CWB	14 to 25							
		Heating	°CDB	15 to 27							
Outdoor unit	Colour		Ivory white								
	Compressor	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 (HX WX D)		mm	770X 900X 320		1,170X 900X 320		1,345X 900X 320			
	Machine weight		kg	68	98		108				
	Certified Operation range	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.DØ25X O.DØ32							
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							

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 Initial setting is standard.

4 Anechoic 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)



R-410A

Model Name		Indoor unit	Outdoor unit	100 FAQ100CVEA RZR100LUY1
Power supply				3 Phase, 380-415V, 50 Hz
Cooling capacity (Rated) (Min. - Max.)				10.0 (5.0-11.2)
Power consumption		Cooling (Rated)		4.2
Indoor unit	Colour			Fresh White
	Airflow rate (H/M/L)			918/812/671
	Sound level (H/M/L)*3			49/45/41
	Dimensions (HxWxD)			340x1,200x240
	Machine weight			17
Outdoor unit	Colour			Ivory white
	Compressor	Type		Hermetically sealed scroll type
	Motor output			2.1
	Refrigerant charge (R-410A)			2.7 (Charged for 30m)
	Sound level	Cooling		49
	Dimensions (HxWxD)			1,170×900×320
	Machine weight			92
	Certified Operation range			21 to 46
Piping connections	Liquid (Flare)			Ø9.5
	Gas (Flare)			Ø15.9
	Drain			Ø26.0 (Hole)
Max. interunit piping length				50 (Equivalent length 70)
Max. installation level difference				30

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

WALL MOUNTED TYPE (Heat Pump)



R-410A

Model Name		Indoor unit	Outdoor unit	100 FAQ100CVEA RZQ100HAY4A
Power supply				3 Phase, 380-415V, 50 Hz
Capacity (Rated)Min-Max		Cooling		10.0 (5.0-11.2)
		Heating		11.2 (5.1-12.8)
Power consumption		Cooling		3.19
		Heating		3.44
Indoor unit	Colour			Fresh White
	Airflow rate (H/M/L)			918/812/671
	Sound level (H/M/L)*3			49/45/41
	Dimensions (HxWxD)			340x1,200x240
	Machine weight			17
Outdoor unit	Colour			Ivory white
	Compressor	Type		Hermetically sealed scroll type
	Motor output			2.1
	Refrigerant charge (R-410A)			4.3 (Charged for 30m)
	Sound level	Cooling		49
		Heating		51
	Dimensions (HxWxD)			1,345x900x320
	Machine weight			108
	Certified Operation range	Cooling		-5 to 46
		Heating		-15 to 15
Piping connections	Liquid (Flare)			Ø9.5
	Gas (Flare)			Ø15.9
	Drain			Ø26.0 (Hole)
Max. interunit piping length				75 (Equivalent length 90m)
Max. installation level difference				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.

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FLOOR STANDING (Cooling Only)

R-410A

Model				INDOOR	FVRN71AXV16	FVRN100AXV16	FVRN125AXV16	FVRN140AXV16
				OUTDOOR	RR71CGXY1A6	RR100DGXY16	RR125DGXY16	RR140DGXY16
Nominal Cooling Capacity				Tonnage	2.4	3.3	3.8	4.6
				Btu/hr	28500	40000	45000	55000
				kw	8.35	11.72	13.19	16.12
Nominal Total Input Power (Cooling)				w	2750	4050	4750	5490
Nominal Running Current (Cooling)				A	13	7.07	8.29	9.35
Power Source				V/Ph/Hz	380-415 / 3 / 50			
Refrigerant Control (Expansion Device)				OUTDOOR CAPILLARY TUBE				
Refrigerant Type				R410A				
Indoor	Air Flow	High	CFM	1035	1035	1035	1170	
		Medium		945	945	935	1085	
		Low		845	845	835	985	
		Quiet		-	-	-	-	
	Sound Pressure Level	High	dBA	49	49	50	54	
		Medium		47	47	48	53	
		Low		44	44	46	51	
		Quiet		-	-	-	-	
	Unit Dimension [Panel]	Height	mm	1850	1850	1850	1850	
		Width	mm	600	600	600	600	
		Depth	mm	350	350	350	350	
	Unit Weight [Panel]		kg	45	45	48	51	
Outdoor	Unit Dimension	mm	HEIGHT	753	852	852	852	
		mm	WIDTH	855	1030	1030	1030	
		mm	DEPTH	328	400	400	400	
	Unit Weight		kg	56	95	98	105	
	Pipe Connection	Type	FLARE VALVE					
		Liquid	mm	9.52				
		Gas	mm	15.88		19.05		
Max Piping Length			m	45				
Max Piping 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)

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FLOOR STANDING (Heat Pump)

R-410A

Model Name			100	125	140
Indoor unit			FVQN100AXV1	FVQN125AXV1	FVQN140AXV1
Outdoor unit			RQ100DGXY1	RQ125DGXY1	RQ140DGXY1
Rated Cooling Capacity			Btu/h	40000	45000
			kW	11.72	13.19
Rated EER			W/W	2.82	2.94
			Btu/h	42000	46000
Rated Heating Capacity			kW	12.31	13.48
			W/W	3.14	3.02
Rated COP				3.02	3.01
Indoor unit	Power Supply	V/Ph/Hz	220-240/1/50		
	Air Flow	cfm	1035/945/845		
	Sound Pressure Level	dBA	49/47/44	50/48/46	54/53/51
	Height	mm	1850		
	Width	mm	600		
	Depth	mm	350		
	Net Weight	kg	45	48	51
	Power Supply	V/Ph/Hz	380-415/3/50		
Outdoor unit	Sound Pressure Level	dBA	58	60	65
	Height	mm	852		
	Width	mm	1030		
	Depth	mm	400		
	Net Weight	kg	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)

CEILING CONCEALED TYPE (Cooling Only)

R-32

UNIT	Product Category	Unit	LSP DUCT SERIES			MSP DUCT SERIES			
	Nominal Capacity	TR	1.0	1.5	2.0	2.5	2.8	3.5	4.0
	Rated Capacity	Watt	3516	5274	7032	8790	9845	12306	14064
	Rated Power Input	Watt	1090	1740	2050	2710	3120	3950	4630
	EER/COP	W/W	3.23	3.03	3.43	3.24	3.16	3.12	3.04
	BEE Star Applicable	-----	NA	NA	NA	NA	NA	NA	NA
	Operating Range	IDU (DB/WB)	19/14~35/24			19/14~35/24			
	ODU	19~48			19~48				
	-----	R32			R32				
Indoor Unit	Model Name	-----	FDBF12CRV16	FDBF18CRV16	FDBF24CRV16	FDMF30CRV16	FDMF36CRV16	FDMF42CRV16	FDMF48CRV16
	Casing Size(HXWXD)	MM	250X880X605		250X1130X605	295X1430X665		295X1730X665	
	Casing Color	-----	Unpainted			Unpainted			
	Power Supply	V/Hz/Ph	230V/50/1ph			230V/50/1ph		415V/50/3ph	
	Air Flow Rate	CFM/(H)	400	600	800	1000	1200	1400	1500
	ESP	Pa	20			20	30	40	50
	Fan Speed	No	3			3	3	3	3
	Sound Pressure Level(Hi)	(dBA)	36	39	43	43	42	42	49
	Remote Controller(With IDU)	-----	Wired Type						
	Unit Weight	Kg	28	24	34	48	51	51	60
Outdoor Unit	Model Name	-----	RGF12CRV16	RGF18CRV16	RGF24CRV16	RGF30CRV16	RGF36CRV16	RGF42CRY16	RGF48CRY16
	Casing Color	-----	IVORY WHITE						
	Casing Size(HXWXD)	MM	550X765X285	595X845X300		990X940X320			
	Power Supply	V/Hz/Ph	230V/50/1			230V/50/1ph		415V/50/3ph	
	Max Total Pipe Length	Mtr.	20			20		30	
	Max Vertical Pipe Length	Mtr.	10			10		15	
	Std Pipe Length	Mtr.	7.5			7.5			
	Sound Pressure Level	(dBA)	51	54	56	58	63		
	Precharge & Service Valve	YES/NO	Yes			YES	YES	YES	YES
	Protection Device	-----	Inbuilt TOP Comp & Motor			Inbuilt TOP Comp & Motor		LP/HP/SPPR/UV/OV	
	Piping Size (MM)	Gas	12.7		15.9	15.9			
		Liquid	6.4			9.5			
	Compressor Type	Type	Rotary			Rotary		Scroll	
	Accumulator	-----	Part of Compressor			Part of Compressor		No	
HE Type/Coating	Type	FTHX(Precoated)			FTHX(Precoated)				
Weight (Approx)	Kg	30	36	45	63	65	69	69	
Installation Kit	Yes/No	No			No				

CEILING SUSPENDED TYPE

INVERTER**R-410A**

Name of option	Remark	Kit name	
Replacement long-life filter	Resin net	FHQ100BVV1B	FHQ125BVV1B
		KAF501DA112	KAF501DA160
Drain-up kit		KDU50N125VE	
L-type piping kit (for upward direction)		KHFP5MA160	
Remote controller	Wireless type	BRC7EA66	
	Cooling only	BRC7EA63W	
	Heat pump	BRC1C61	
	Wired type ¹	BRC1D61	
Wired LCD remote controller with weekly schedule timer ¹		BRC1E61	
Navigation Remote Controller	Wired type ¹	DCS302CA61	
Central remote controller ²		DCS301BA61	
Unified ON/OFF controller ²		DST301BA61	
Schedule timer ²		DCS601C51	
Touch Controller ²		KRP1BA54	
Adaptor for wiring		KRP4AA52	
Wiring adaptor for electrical appendices ³		DTA112BA51	
Interface adaptor for SkyAir series		KRP1CA93	
Installation box for adaptor PCB		KRC501-1B	
Remote sensor (for indoor temperature)		KJB311AA	
Electrical box with earth terminal (3 blocks)		KJB212AA	
Electrical box with earth terminal (2 blocks)			

Note: 1Wiring for wired remote controller to be procured locally.

2This optional accessory requires DTA112BA51.

3Installation box for adaptor PCB (KRP1CA93) is necessary.

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CEILING MOUNTED SLIM DUCT TYPE



		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		KRP413A1S			
The remote controller loss prevention with the chain		KKF917A4			
Interface adaptor for DIII-NET use		KRP928B2S			
Central remote controller ⁴		DCS302CA61			
Uni ed ON/OFF controller ⁴		DCS301BA61			
Schedule timer ⁴		DST301BA61			
Intelligent Touch Controller ⁴		DCS601C51			
Suction grille		KDGFI9A4S			
Insulation kit for high humidity		KDT25N50			KDT25N63

Note: ¹3 m (BRCW901A03) or 8 m (BRCW901A08) length wired remote controller cord is necessary .
required for each indoor unit.

²Adaptor PCB is also

³Time clock and other devices ; obtained locally.

⁴This optional accessory requires KRP928B2S

WALL MOUNTED TYPE



Name of Option	Remark		Kit Name
			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			KRCS01-4B
Central remote controller *2			DCS302CA61
Uni ed 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 stancardly 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.

DUCT CONNECTION MIDDLE & HIGH STATIC PRESSURE TYPE



Name of option			Remark	Kit name			
				FDMF-50BRV16	FDMF-70BRV16	FDMF-90BRV16	FDMF-100BRV16
High-efficiency filter ¹		(Colorimetric method 65%)	KAF372AA80		KAF372AA160		
		(Colorimetric method 90%)	KAF373AA80		KAF373AA160		
Filter chamber			KDDF37AA80		KDDF37AA160-6		
Replacement long-life filter			KAF371AA80		KAF371AA160		
Replacement long-life filter chamber kit			KAF375AA80		KAF375AA160		
Suction Flange			BDF37A140-6				
Service panel			KTB25KA80W		KTB25KA160W		
			KTBJ25K80F		KTBJ25K160F		
			KTBJ25K80T		KTBJ25K160T		
Air discharge adaptor			KDAJ25K71A		KDAJ25K140A		
Remote Controller	Wireless type	Cooling Only	BRC4C66				
		Heat Pump	BRC4C66				
	Wired type ²		BRC1E62				
Wired LCD remote controller with weekly schedule timer ²			BRC1D61				
Navigation Remote Controller		Wired type ²		BRC1E62			
Adaptor for wiring (interlock for fresh air intake fan)			KRP1C64*				
Wiring adaptor for electrical appendices(2)			KRP4AA51*				
Remote sensor			KRCS01-4B				
Mounting plate for adaptor PCB (Note: 1, 2, 3)			KRP4A98				
Central remote controller (Note: 4)			DCS302CA61				
Unified ON/OFF controller (Note: 4)			DCS301BA61				
Schedule timer (Note: 4)			DST301BA61				
Intelligent Touch Controller (Note: 4)			DCS601C51				

Notes:

1 Mounting Plate is necessary for each adaptor marked*

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

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

4 The Indoor Unit is equipped standardly with the interface adaptors for sky air series.

the interface adaptor for skyair series is not necessary for this indoor unit since it is equipped as standard.

5 Model FDMF50~140BRV16 are Cooling only

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FLOOR STANDING TYPE



Name of option	Remark	Kit name		
		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 adapter PCB (KRP4AA95) is necessary.

REASONS TO BUY DAIKIN



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



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



The Daikin edge with in-house manufacturing

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



Experienced dealers

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



Pioneer in air-conditioners

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



Wise investment – Low running cost

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



Comprehensive range and quiet operation

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

Terms & Conditions Apply



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As a continuing policy of product innovation at Daikin, the design and specifications are subject to change without prior notice. The visuals of the products in the brochure are representative only, actual products might differ from the ones shown.

'Products mentioned in this brochure comply with RoHS regulations as per E-waste (Management & Handling) Rules, 2011 and should not be mixed with general household waste at the end of their useful life.' For more details kindly visit our website www.daikinindia.com or contact our customer care centre at 011-40319300 / 1860 180 3900.