Warning

- Daikin products are manufactured for export to numerous countries throughout the world. Prior to purchase, please confirm with your local authorised importer, distributor and/or retailer whether this product conforms to the applicable standards, and is suitable for use, in the region where the product will be used. This statement does not purport to exclude, restrict or modify the application of any local legislation.
- Ask a qualified installer or contractor to install this product. Do not try to install the product yourself. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Use only those parts and accessories supplied or specified by Daikin. Ask a qualified installer or contractor to install those parts and accessories. Use of unauthorised parts and accessories or improper installation of parts and accessories can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Read the User's Manual carefully before using this product. The User's Manual provides important safety instructions and warnings. Be sure to follow these instructions and warnings.

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

Cautions on product corrosion

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

CERTIFIED JQA MANAGEMENT SYSTEM ISO 9001
JMI-0107

Organization:
DAIKIN INDUSTRIES, LTD.
AIR CONDITIONING MANUFACTURING DIVISION

Scope of Registration:
THE DESIGN/DEVELOPMENT AND MANUFACTURE OF COMMERCIAL AIR CONDITIONING, HEATING, COOLING, REFRIGERATING EQUIPMENT, COMMERCIAL HEATING EQUIPMENT, RESIDENTIAL AIR CONDITIONING EQUIPMENT, HEAT RECLAIM VENTILATION, AIR CLEANING EQUIPMENT, MARINE TYPE CONTAINER REFRIGERATION UNITS, COMPRESSORS AND VALVES.

CERTIFIED JQA MANAGEMENT SYSTEM ISO 9001
JQA-1452

Organization:
DAIKIN INDUSTRIES (THAILAND) LTD.

Scope of Registration:
THE DESIGN/DEVELOPMENT AND MANUFACTURE OF AIR CONDITIONERS AND THE COMPONENTS INCLUDING COMPRESSORS USED FOR THEM

Quality System
Quality Endorsed Company
Daikin Australia Pty Limited (ISO 9001)
QEC 23256 31 May 2006

ISO 14001 JACO
EC99J2044

All of the Daikin Group's business facilities and subsidiaries in Japan are certified under the ISO 14001 international standard for environment management.

Environmental System
Certified Environmental Management
Daikin Australia Pty Limited (ISO 14001)
CEM20437 13 November 2006

Dealer

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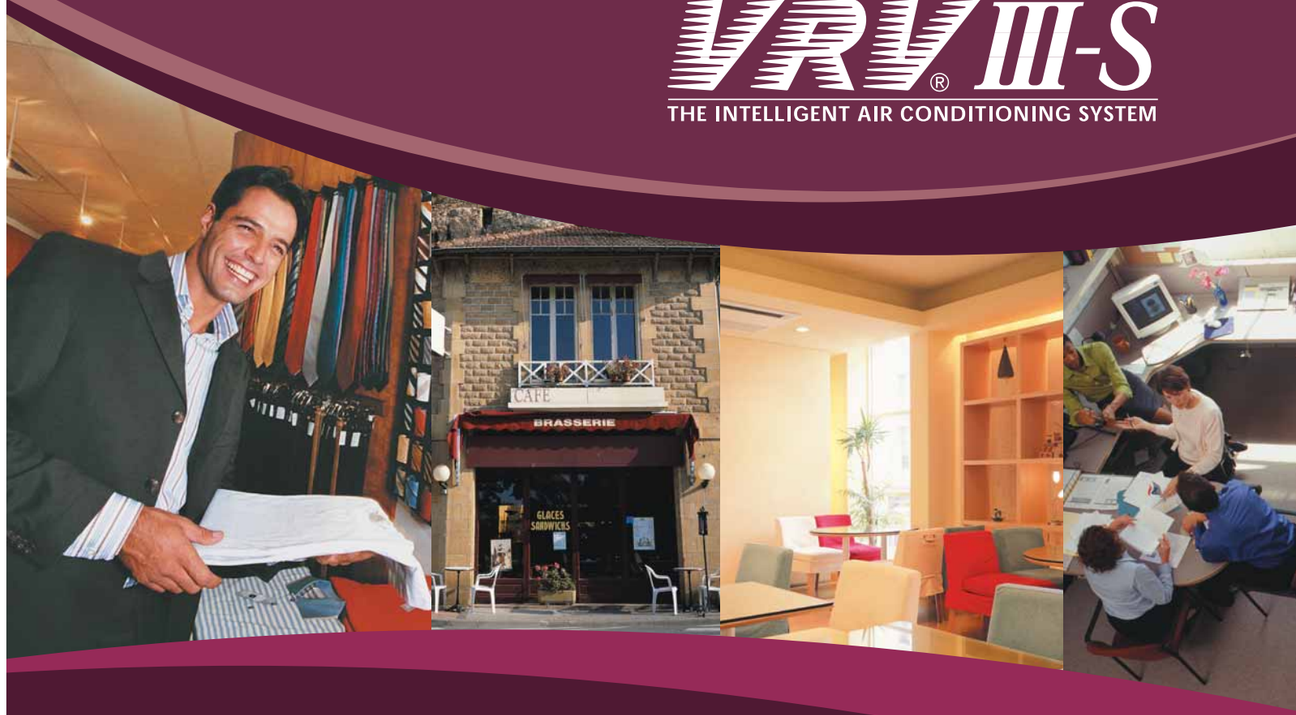
DAIKIN

PCVAU0737E

Shaping air to your needs

VRV® III-S

THE INTELLIGENT AIR CONDITIONING SYSTEM



A special air conditioning system designed for small-sized buildings

HEAT PUMP

Heat Pump 50 Hz

R-410A

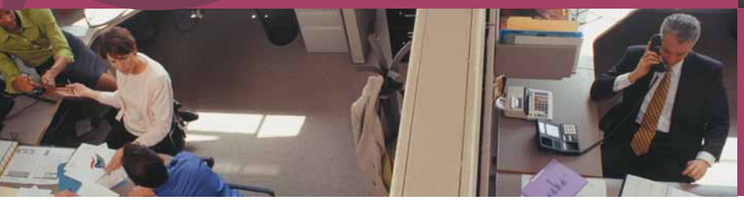
The ideal air conditioning system for small offices and shops

Extending the core “5S” concept—Space saving, Sufficient capacity, Slim design, Sound-reduced operation and Single phase power supply—Daikin’s VRV III-S offers added value with the “1E” concept—Easy installation. With all these features and more, we proudly present the ideal air conditioning system designed for small-sized buildings.

The 5S+1E concepts of VRV® III-S

5S concept

- Space saving
- Sufficient capacity
- Slim design
- Sound-reduced operation
- Single phase power supply

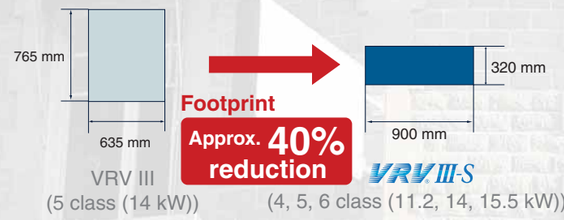


Easy installation

1E concept

Slim, compact and sufficient capacity

The VRV III-S is highly space saving, featuring slim and compact outdoor units. It is suitable for small offices and shops with capacities of 4, 5 and 6 class (11.2, 14 and 15.5 kW).



Outdoor unit can be installed on a balcony

The compact, trunk-shaped outdoor unit can easily be installed on a balcony, realising complete system installation within each floor. This enables more useful utilisation of the space on the building rooftop.

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- Outdoor units.....page 37
- Control systems.....page 37

Wide range of choices

To suit the variety of rooms found in small offices and shops, the VRV III-S system offers wide range of indoor and outdoor units.
VRV III-S indoor and outdoor units are almost as easy to install as residential air conditioning systems, making them ideal for small offices and shops.

Outdoor units

3 models

Outdoor unit can be selected from three models to provide the power that suits your needs. The trunk-shaped outdoor unit can be neatly installed outside the office.

Outdoor unit lineup

Model Name	RXYMQ4PV4A	RXYMQ5PV4A	RXYMQ6PV4A
Capacity Range	4 class (11.2 kW)	5 class (14 kW)	6 class (15.5 kW)
Capacity Index	100	125	140

Indoor units

14 types 78 models

A wide range of indoor units includes 78 models in 14 types. The indoor units can be selected to match rooms and preferences.

Indoor unit lineup 14 types 78 models

Type	Model Name		20	25	32	40	50	63	80	100	125	140	145
		Capacity Range	2.2 kW	2.8 kW	3.6 kW	4.5 kW	5.6 kW	7.1 kW	9 kW	11.2 kW	14 kW	16 kW	16.2 kW
		Capacity Index	20	25	31.25	40	50	62.5	80	100	125	140	145
Ceiling Mounted Cassette (Round Flow)	FXFQ-PVE			●	●	●	●	●	●	●	●		
Ceiling Mounted Cassette (Compact Multi Flow)	FXZQ-MVE		●	●	●	●	●						
Ceiling Mounted Cassette (Double Flow)	FXCQ-MVE		●	●	●	●	●	●	●		●		
Ceiling Mounted Cassette Corner	FXKQ-MAVE			●	●	●		●					
Slim Ceiling Mounted Duct	FXDQ-PBVE (700 mm width type)		●	●	●								
	FXDQ-NBVE (900/1,100 mm width type)					●	●	●					
Ceiling Mounted Built-in	New FXSYQ-MVE		New	New	New	New	New	New	New	New	New		
Ceiling Concealed (Duct)	FXDYQ-MAV1								●	●	●		●
Ceiling Mounted Duct	FXMQ-PVE		●	●	●	●	●	●	●	●	●	New	
Ceiling Suspended	FXHQ-MAVE				●			●		●			
Wall Mounted	FXAQ-MAVE		●	●	●	●	●	●					
Floor Standing	FXLQ-MAVE		●	●	●	●	●	●					
Concealed Floor Standing	FXNQ-MAVE		●	●	●	●	●	●					

Note: R-410A VRV system indoor units are not compatible with the R-22 VRV system.

Connection unit series indoor units

Type	Model Name		20	25	32	40	50	71	100	125
		Capacity Range	2.2 kW	2.8 kW	3.6 kW	4.5 kW	5.6 kW	8 kW	11.2 kW	14 kW
		Capacity Index	20	25	31.25	40	50	71	100	125
		Connection Unit	—					BEVQ71MAVE	BEVQ100MAVE	BEVQ125MAVE
Ceiling Suspended Cassette	FXUQ-MAV1							●	●	●

Note: BEV units are necessary for Connection unit series indoor units. Refer to the Engineering Data for details.

Energy efficiency and quiet operation

Outdoor units use Daikin's unique scroll compressor to realise energy saving performance and quiet operation.

High COP during both cooling and heating operations

One of the top features of the VRV III-S is its energy efficiency. It achieves high COP during cooling and heating operations by utilising Daikin's unique scroll compressor.

High COP achieved in all ranges!

		VRVII-S Previous model RXYMQ-MV4A	VRV III-S
Cooling	4 class (11.2 kW)	3.07	3.15
	5 class (14 kW)	2.81	2.94
	6 class (15.5 kW)	2.82	3.03
Heating	4 class (11.2 kW)	3.27	3.37
	5 class (14 kW)	3.58	3.73
	6 class (15.5 kW)	3.45	3.62

Above values are based on the following nominal conditions:
- 2 built-in units are connected (4 class (11.2 kW): FXSYQ50M x 2; 5 class (14 kW): FXSYQ63M x 2; and 6 class (15.5 kW): FXSYQ63M + FXSYQ80M.)
- Cooling: Indoor temp. of 27°CDB, 19.0°CWB, and outdoor temp. of 35.0°CDB.
- Heating: Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.

Quiet operation provides luxurious comfort

Quietness is yet another important feature of Daikin's VRV III-S system. To reduce noise and realise comfortable operation, latest technologies and features are applied to the outdoor units.

Lower operation sound is achieved!

1 dB(A) reduced in each model!

		VRVII-S Previous model RXYMQ-MV4A		VRV III-S
Cooling	4 class (11.2 kW)	51	-1dB(A)	50
	5 class (14 kW)	52	-1dB(A)	51
	6 class (15.5 kW)	54	-1dB(A)	53
Heating	4 class (11.2 kW)	53	-1dB(A)	52
	5 class (14 kW)	54	-1dB(A)	53
	6 class (15.5 kW)	56	-1dB(A)	55

Nighttime quiet operation function

Operation sound level selectable from 3 steps for the night mode

Mode 1. Automatic mode

Set on the outdoor PCB. Time of maximum temperature is memorised. The low operating mode will initiate 8 hours*1 after the peak temperature in the daytime, and normal operation will resume 10 hours*2 after that. The operation sound level for the night mode can be selected from 47 dB(A) (Step 1), 44 dB(A) (Step 2) and 41 dB(A) (Step 3).

Mode 2. Manual mode

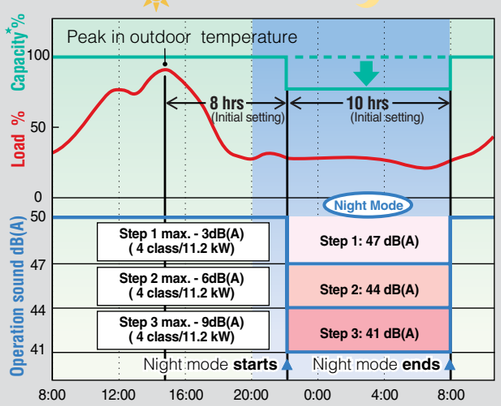
Starting time and ending time can be input. (An external control adaptor for outdoor unit, DTA104A53/61/62, and a locally obtained timer are necessary.)

Mode 3. Combined mode

Combinations of modes 1 and 2 can be used depending on your needs.

*1. Initial setting. Can be selected from 6, 8 and 10 hours.
*2. Initial setting. Can be selected from 8, 9 and 10 hours.

Mode 1. Automatic mode



Note: • This function is available in setting at site.
• The relationship of outdoor temperature (load) and time shown in the graph is just an example.
* The capacity reduction rate differs depending on the operation sound level step selected.

A collection of cutting-edge technologies results in efficient and quiet operation.

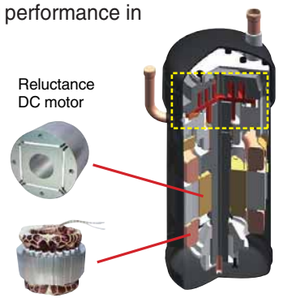
Improving the high efficiency compressor to achieve a high COP

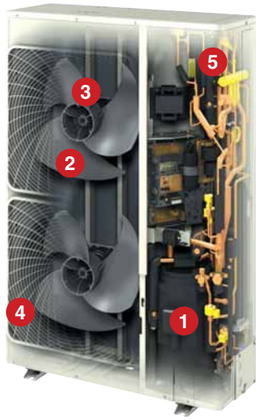
1 Reluctance DC Scroll Compressor

Overheating losses are reduced by pressurising the area around the motor, boosting energy saving performance in conjunction with other features.

High thrust mechanism

By introducing high pressure oil, the reactive force from the fixed scroll is added to the internal force, thereby reducing thrust losses. This results in improved efficiency and suppressed sound levels.





RXYMQ4PV4A
RXYMQ5PV4A
RXYMQ6PV4A

>> Powerful magnets

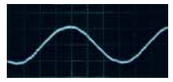
Use of neodymium magnets in the motor enables efficient generation of high torque, reducing the size of the compressor.

Neodymium magnets are well known for their powerfulness compared to commonly used ferrite magnets.

>> Smooth sine wave DC inverter

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

Sine wave DC inverter



>> Stronger materials

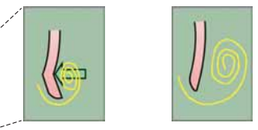
The strength of the casing has been increased by boosting the internal dome pressure.

>> Optimal refrigerant configuration

Changes to the shape of the spiral and volume ratio result in optimal refrigerant layout.

2 Smooth Air Inlet Bell Mouth and Aero Spiral Fan

These two features work to significantly 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 fan blades with the bent blade edges, further reducing turbulence.

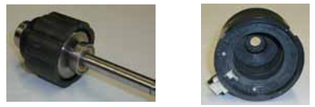


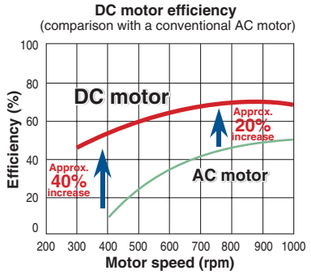
Escaping eddies are sucked in by the bent blade edges, reducing overall turbulence.

3 DC fan motor

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

DC fan motor structure





Note: Data are based on studies conducted under controlled conditions at a Daikin laboratory.

4 Super Aero Grille

Refined ventilation mechanism enables further reduction in required fan power.

5 SC heat exchanger

A larger sub-cooled area reduces refrigerant flow sound by making it easer to form a liquid seal in front of the electrical valve.

Design flexibility

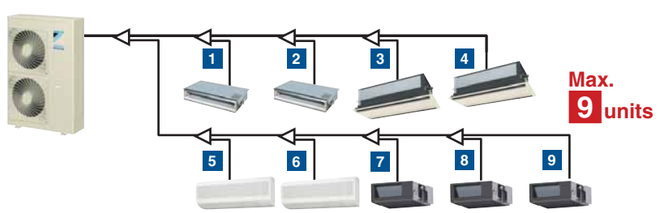
VRV III-S systems offer broad design flexibility with long refrigerant piping lengths and multiple indoor unit combinations, which provides generous freedom for office and shop design both inside and out.

Up to 9 indoor units can be connected to a single outdoor unit

Multiple indoor unit combinations are possible.* As many as 9 indoor units can be connected to a 6 class (15.5 kW) unit, making the VRV III-S a versatile system.

* Total capacity index of connectable indoor units must be 50%–130% of the capacity index of the outdoor units.

For a **6 class (15.5 kW)** installation

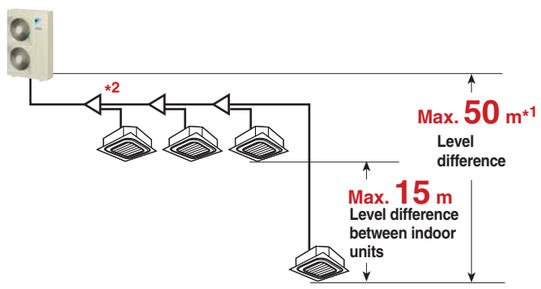


>> **Max. 8 indoor units** for a **5 class (14 kW)** installation

>> **Max. 6 indoor units** for a **4 class (11.2 kW)** installation

Long piping design possible

The VRV III-S provides the long piping length possibility of 150 m, with a total piping length of 300 m. If the outdoor unit is installed above indoor units the level difference can be up to a maximum of 50 m. These generous allowances facilitate an extensive variety of system designs.



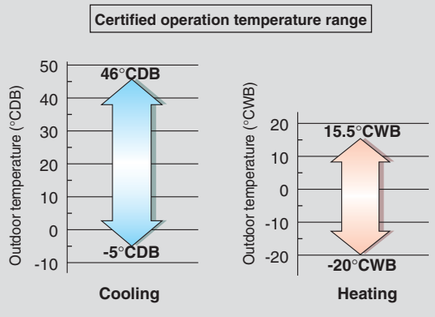
Actual piping length Max. **150** m

Total piping length Max. **300** m

Note: *1. 40 m when the outdoor unit is installed below indoor units.
*2. Maximum piping length between the indoor unit and the first branch is 40 m.

Wide operation temperature range

The operation range of the VRV III-S system works to reduce limitations on installation locations. The operation temperature range for heating goes all the way down to -20°C, while cooling can be performed with outdoor temperatures as high as 46°C. Both these achievements are due to the adoption of a high-pressure dome-type compressor.

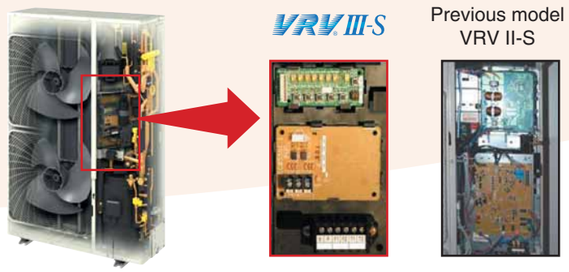


Easy installation

A variety of functions are provided that make installation easier, such as simple wiring and piping and automatic test operation.

Easy wiring

A printed circuit board has been adopted that is much easier to see and wire during installation.



Automatic test operation

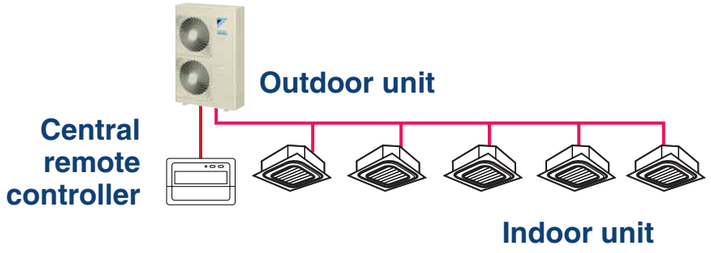
Simply press the test operation button after refrigerant charging is completed, and the unit performs an automatic system check, including wiring, shutoff valves, and sensors. The results are returned automatically after the check finishes.

Simple wiring and piping connection

Unique piping and wiring systems make it possible to install a VRV III-S system quickly and easily.

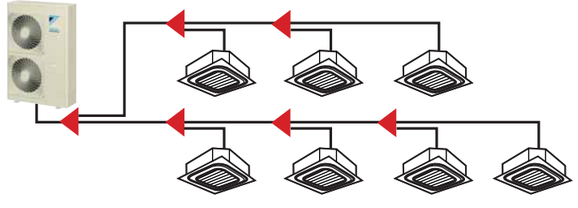
>> Super wiring system

A super wiring system is used to enable shared use of the wiring between indoor and outdoor units and the central control wiring, with a relatively simple wiring operation. The DIII-NET communication system is employed to enable the use of advanced control systems.



>> REFNET piping system

Daikin's advanced REFNET piping system makes installation easy. Only two main refrigerant lines are required in any one system. REFNET greatly reduces the imbalances in refrigerant flow between units, while using small-diameter piping.



Control systems

The VRV III-S system uses the same DIII-NET communication system as the VRV, enabling the use of advanced control systems.

Individual control systems

Wired remote controller (Option)

BRC1C62

- Digital display lets you set temperature in 1°C units.
- Lets you individually programme by timer the respective times for operation start and stop within a maximum of 72 hours.
- Equipped with a thermostat sensor in the remote controller that makes possible more comfortable room temperature control.
- Enables you to select cool/heat/fan operation mode with the indoor remote controller of your choice without using the cool/heat selector. (dependant on system)
- Equipped with self-diagnosis function that constantly monitors the system for malfunctions. Should a problem occur, the system alerts you of the problem through an alphanumeric code.
- The rubber switch and the oil-resisting resin casing have been adopted for durability.

* When the auto-swing function is not available, the message, THIS FUNCTION IS NOT AVAILABLE is displayed when the air direction adjustment button is pressed.

Wired remote controller with weekly schedule timer (Option)

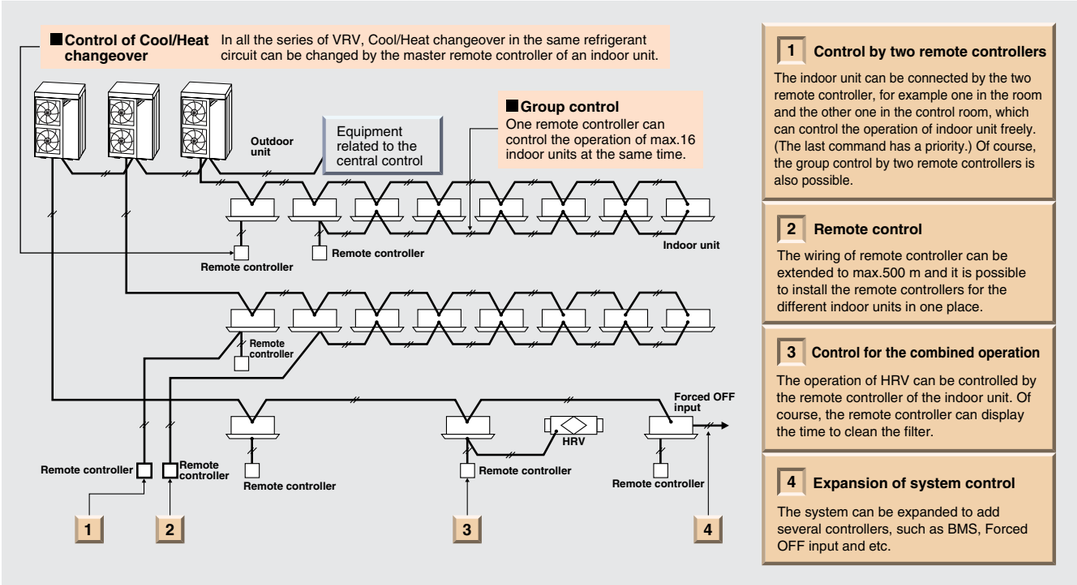
BRC1D61

Adds advanced functions to those of the above wired remote controller.

- Includes ventilation mode and airflow rate switching, the main functions of HRV series.
- 24-hour clock function (1-hour backup for power failures)
- Programming function for each day of week.
- Scheduling possible of start/stop and temperature limit (5 settings/day)
- Programming can be enabled or disabled.
- Copy function for programmed schedules.

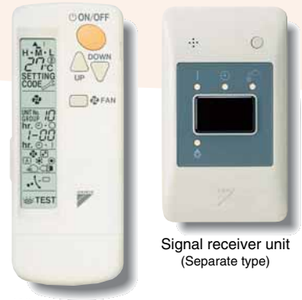
Notes: 1. Standard remote controllers (BRC1C62) not required.
2. If the BRC1D61 is connected to the centralised remote controllers (DCS303A51, DCS302CA61,DCS301BA61, DST301BA61), the schedule function is not available.

The wired remote controller supports a wide range of control functions



★ Refer to page 7 for the total number of indoor units that can be connected to the outdoor unit.

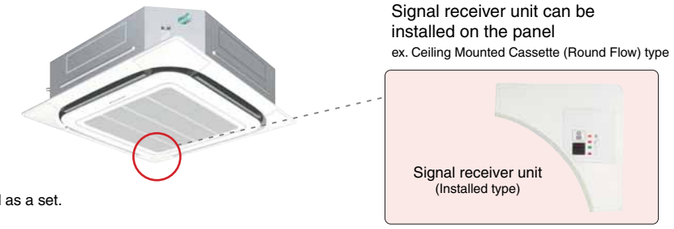
Wireless remote controller (Option)



Wireless remote controller

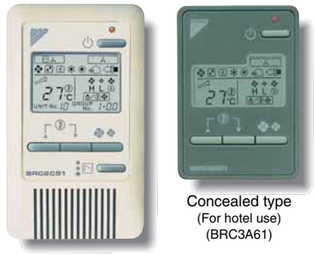
Signal receiver unit (Separate type)

- The same operation modes and settings as with wired remote controllers (BRC1C62 only) are possible.
- A compact signal receiver unit (separate type) to be mounted into a wall or ceiling is included.
  - A signal receiver unit (installed type) for a Ceiling Mounted Cassette (Round Flow, Compact Multi Flow, Double Flow) type, Ceiling Suspended type and Wall Mounted type is mounted into the indoor unit.



*Wireless remote controller and signal receiver unit are sold as a set.
* Refer to page 37 for the name of each model.

Simplified remote controller (Option)



Exposed type (BRC2C51)

Concealed type (For hotel use) (BRC3A61)

- The remote controller has centralised its frequently used operation selectors and switches (on/off, operation mode, temperature setting and airflow volume), making itself suitable for use in hotel rooms or conference rooms.
- The exposed type remote controller is fitted with a thermostat sensor.

The concealed type remote controller smartly fits into a night table or console panel in a hotel room.

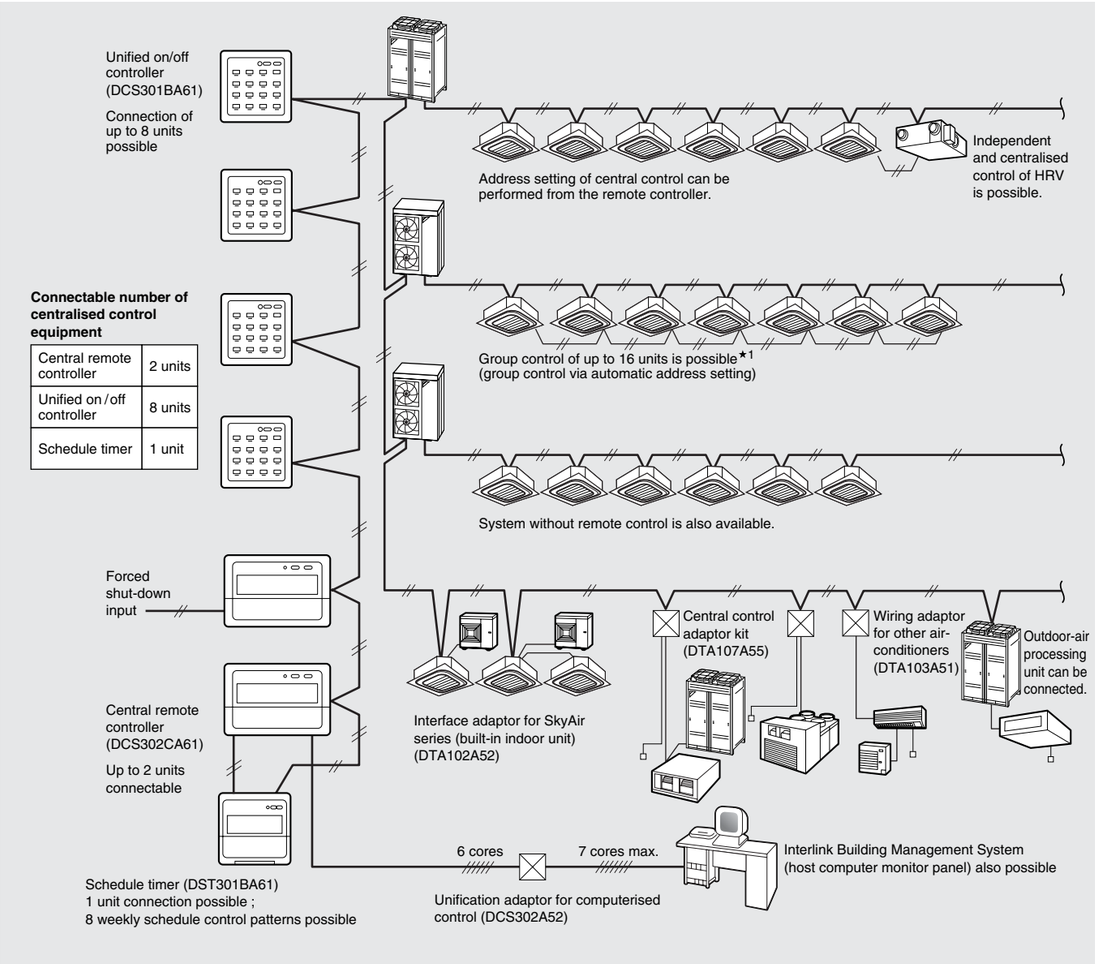
Wide variation of remote controllers for indoor units

	FXFQ	FXZQ	FXCQ	FXKQ	FXDQ	FXSYQ	FXDYQ	FXMQ	FXHQ	FXAQ	FXL(N)Q	FXUQ
Wired remote controller (BRC1C62)	●	●	●	●	●	●	●	●	●	●	●	●
Wired remote controller with weekly schedule timer (BRC1D61)	●	●	●	●	●	●	●	●	●	●	●	●
Wireless remote controller* (Installed type signal receiver unit)	●	●	●						●	●		●
Wireless remote controller* (Separate type signal receiver unit)				●	●	●	●	●			●	
Simplified remote controller (Exposed type) (BRC2C51)					●	●	●	●			●	
Simplified remote controller (Concealed type: for Hotel use) (BRC3A61)					●	●	●	●			●	

* Refer to page 37 for the name of each model.

Centralised control systems

- Up to 64 groups of indoor units (128 units) can be centrally controlled.
- Optional controllers for centralised control can be combined and optimised in accordance with building scale and purpose.
- System integration with various air-conditioning peripheral equipment such as HRV (Heat Reclaim Ventilation) is easy.
- Wiring can be run up to a total length of 2 km, and adapts easily to large-scale system expansion.



★1. Refer to page 7 for the total number of indoor units that can be connected to the outdoor unit.

• Certain indoor units limit the functions of some control systems.
For more details, please refer to the Engineering Data.

DCS303A51

Residential central remote controller* (Option)

Max. 16 groups of indoor units can be easily controlled with the large LCD panel.

- Max. 16 groups (128 indoor units) controllable
- Backlight and large LCD panel for easy readability
- ON/OFF, temperature settings and scheduling can be controlled individually for indoor units.
- All indoor units can be turned on or off at once with “ALL” button.
- Each group has a dedicated button for convenience.
- Outside temperature display

* For residential use only. Cannot be used with other centralised control equipment.

DCS302CA61

Central remote controller (Option)

Max. 64 groups (zones) of indoor units can be controlled individually same as LCD Remote controller.

- Max. 64 groups (128 indoor units) controllable
- Max. 128 groups (128 indoor units) are controllable by using 2 central remote controllers, which can control from 2 different places.
- Zone control
- Malfunction code display
- Max. wiring length 1,000 m (Total: 2,000 m)
- Connectable with Unified ON/OFF controller, schedule timer and BMS system
- Airflow volume and direction can be controlled individually for indoor units in each group operation.
- Ventilation volume and mode can be controlled for Heat Reclaim Ventilation (HRV).
- Up to 4 ON/OFF pairs can be set per day by connecting a schedule timer.

DCS301BA61

Unified ON/OFF controller (Option)

Max. 16 groups of indoor units can be operated simultaneously/individually.

- Max. 16 groups (128 indoor units) controllable
- 2 remote controllers can be used to control from 2 different places.
- Operating status indication (Normal operation, Alarm)
- Centralised control indication
- Max. wiring length 1,000 m (Total: 2,000 m)
- Compact size casing (Thickness: 16 mm)
- Connectable with Central Remote controller, Schedule timer and BMS system

DST301BA61

Schedule timer (Option)

Max. 128 indoor units can be operated as programmed schedule.

- Max. 128 indoor units controllable
- When used in combination with a central remote controller, a maximum of 8 weekly schedule patterns can be set, while the central controller can be used to select desired zones. Up to 2 ON/OFF pairs can be set per day.
- Max. 48 hours back up power supply
- Max. wiring length 1,000 m (Total: 2,000 m)
- Compact size casing (Thickness: 16 mm)
- Connectable with Central Remote controller, Unified ON/OFF controller and BMS system

Advanced control systems

intelligent touch Controller

Communication functions in the user-friendly icon-based multilingual controller simplify centralised control of the VRV system.

- Colour LCD touch panel icon display
- Small manageable size
- Simplified engineering
- Multi language (English, French, Italian, German, Spanish, Dutch, Portuguese, Chinese and Korean)
- Yearly schedule
- PPD (Power Proportional Distribution function) (Option)
- Auto heat/cool change-over
- Temperature limitation
- Enhanced history function
- Air Conditioning Network Service System (Optional Maintenance Service)
- Simple Interlock Function

Function 1
Support for centralised control from elsewhere using a PC with a Web browser (Option)

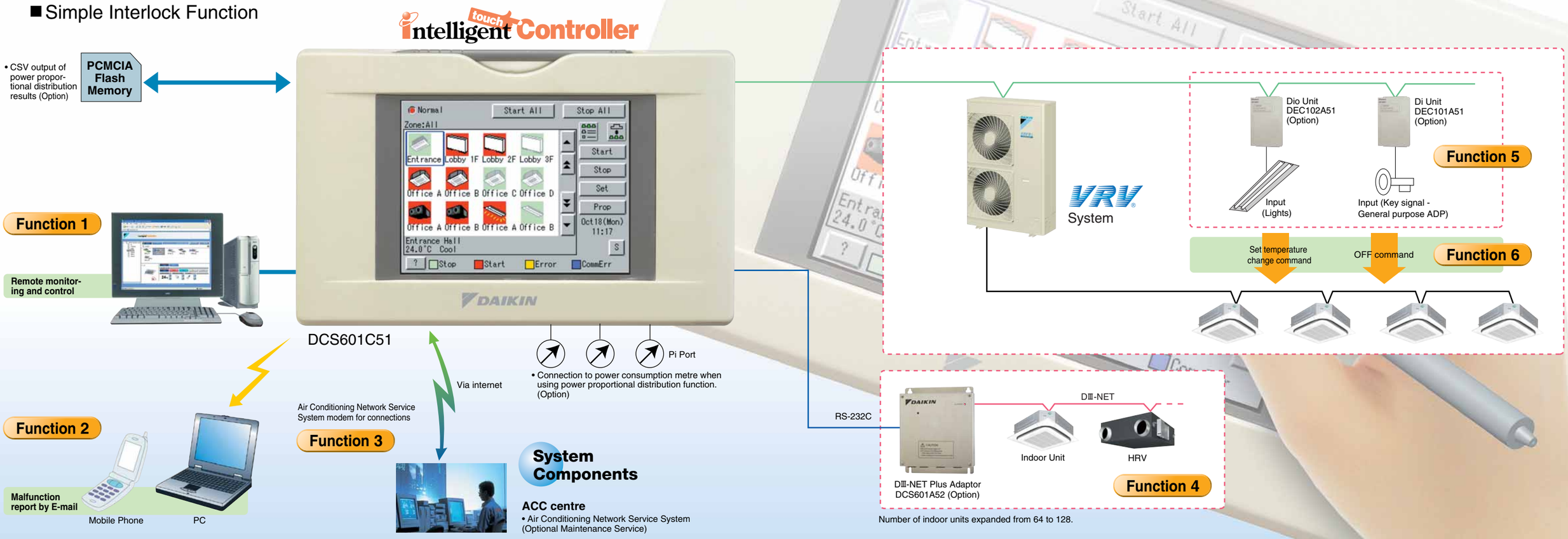
Function 2
Sending of e-mail alerts to a specified address when malfunctions occur (Option)

Function 3
Built-in modem for connecting to Air Conditioning Network Service System (Option)

Function 4
Doubling of number of connectable indoor units by adding a DⅢ-NET Plus Adaptor (Option)

Function 5
Management of facilities/equipment other than A/C units (By adding Dio unit or Di unit)

Function 6
Simple Interlock Function

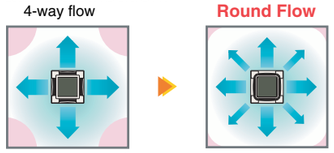


Ceiling Mounted Cassette (Round Flow) Type

FXFQ25P/FXFQ32P/FXFQ40P
FXFQ50P/FXFQ63P/FXFQ80P
FXFQ100P/FXFQ125P

360° airflow improves temperature distribution and offers a comfortable living environment.

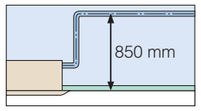
- The industry's first* Round Flow Ceiling Mounted Cassette type offers 360° airflow with improved temperature distribution.



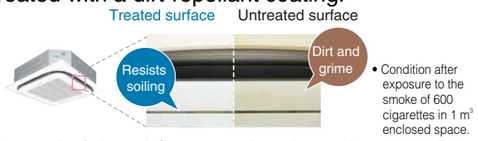
There are areas of uneven temperature. | There are much fewer areas of uneven temperature.

* As of April 2004, the release date for Japan.

- All models are lighter than the conventional ones. Ex: Models FXFQ25P-50P are 4.5 kg lighter (reduced from 24 kg to 19.5 kg).
- Drain pump is equipped as standard accessory, and the lift height has been improved from 750 mm to 850 mm.



- A modern sophisticated decoration panel has been applied, with a panel surface that has been treated with a dirt-repellant coating.



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

- Control of the airflow rate has been improved from 2-step to 3-step control.
- Low operation sound level (dB(A))

FXFQ-P	25/32	40	50	63	80	100	125
Sound level (HH/H/L)	30/28.5/27	31/29/27	32/29.5/27	34/31/28	36/33.5/31	43/37.5/32	44/39/34

- An antibacterial treatment that uses silver ions has been applied to the drain pan, preventing the growth of slime, mould and bacteria that cause blockages and odours.
- The horizontal louvres prevent dew condensation. Their non-flocking surfaces, which repel dirt, are easy to clean.
- The air filter has an anti-mould and antibacterial treatment that prevents the growth of mould generated from dust or moisture that may adhere to the filter.

- Example of airflow patterns:
  360° airflow is available, as well as 2- to 4-way flows, so you can choose the most suitable airflow pattern depending on location or room layout.

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

Ceiling Mounted Cassette (Compact Multi Flow) Type

FXZQ20M/FXZQ25M
FXZQ32M/FXZQ40M
FXZQ50M

Quiet, compact, and designed for user comfort

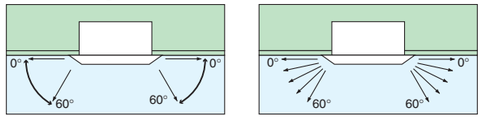
- Dimensions correspond with 600 mm × 600 mm architectural module ceiling design specifications.
- Low operation sound level (240 V)(dB(A))

FXZQ-M	20/25	32	40	50
Sound level (H/L)	32/26	34/28	37/29	42/35

- Comfortable airflow

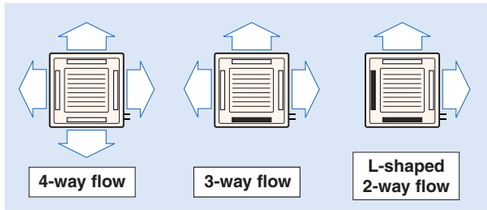
1. Wide discharge angle: 0° to 60°

• Auto swing • Fixed angles: 5 levels



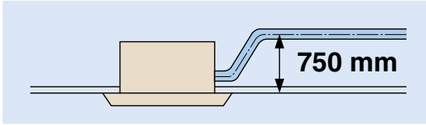
∗Angles can be also set on site to prevent drafts (0°-35°) or soiling of the ceiling (25°-60°), other than standard setting (0°-60°).

2. 2-, 3-, and 4-way airflow patterns are available, enabling installation in the corner of a room.



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

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

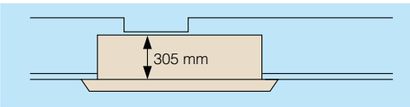


Ceiling Mounted Cassette (Double Flow) Type

FXCQ20M/FXCQ25M/FXCQ32M
FXCQ40M/FXCQ50M/FXCQ63M
FXCQ80M/FXCQ125M

Thin, lightweight, and easy to install in shallow ceiling spaces

- The low profile unit (only 305 mm high) can be installed in a ceiling space as shallow as 350 mm. All models feature a compact design with a depth of only 600 mm.

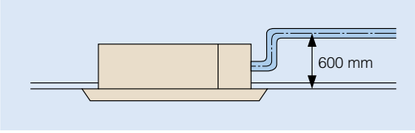


(When a high-efficiency filter is attached, the unit's height is 400 mm.)

- Low operation sound level (240 V)(dB(A))

FXCQ-M	20	25/32	40/50	63	80	125
Sound level (H/L)	34/29	36/30	37/32	39/34	41/36	46/40

- Designed with higher airflow suitable for high ceiling application up to 3 metres.
- Providing 2 different settings of standard and ceiling soiling prevention, the auto swing mechanism achieves even distribution of airflow and room temperature.
- Drain pump is equipped as standard accessory with 600 mm lift.



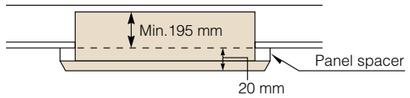
- Two types of optional high-efficiency filter are available (65% and 95%, colourimetric method).
- A long-life filter (maintenance free up to one year) is equipped as standard accessory.
- Major maintenance work can be performed by removing the panel. A flat-type suction grille and a detachable blade make cleaning easy.

Ceiling Mounted Cassette Corner Type

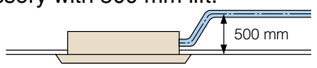
FXKQ25MA/FXKQ32MA
FXKQ40MA/FXKQ63MA

Slim design for flexible installation

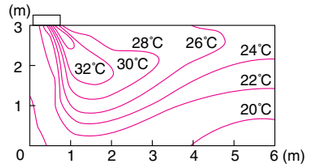
- Slim body needs only 220 mm space above the ceiling. If you use a panel spacer (option), the unit can be installed in the minimum space of 195 mm.



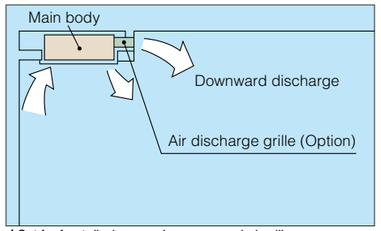
- Single-flow type allows effective air discharge from corner or from drop-ceiling.
- Drain pump is equipped as standard accessory with 500 mm lift.



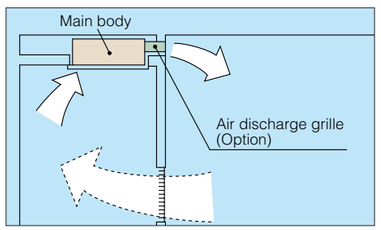
- Providing 3 different settings of standard, draft prevention and ceiling soiling prevention, the auto swing mechanism achieves even distribution of airflow and room temperature.



- Front discharge is possible with an air discharge unit (option), which allows the installation in the drop-ceiling or sagging wall.



*Set for front discharge using a suspended ceiling.



*Downward discharge is shut off and air is blown straight out (front discharge).

- A long-life filter (maintenance free up to one year) is equipped as standard accessory.

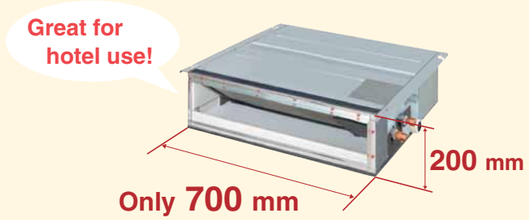
Slim Ceiling Mounted Duct Type

Slim design, quietness and static pressure switching

Suited for use in drop-ceilings!

FXDQ20PB/FXDQ25PB/FXDQ32PB

- Only 700 mm in width and 23 kg in weight, this model is suitable to install in limited spaces like drop-ceilings in hotels.



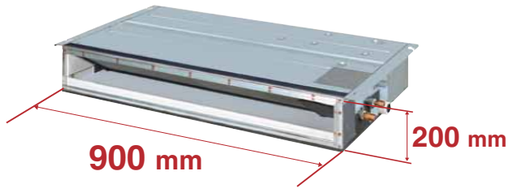
- Control of the airflow rate has been improved from 2-step to 3-step control.
- Low operation sound level (dB(A))

FXDQ-PB/NB	20/25/32	40	50	63
Sound level (HH/H/L)	33/31/29	34/32/30	35/33/31	36/34/32

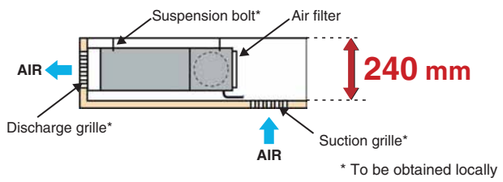
∗The values of operation sound level represent those for rear-suction operation. Sound level values for bottom-suction operation can be obtained by adding 5 dB(A).
∗Values are based on the following conditions: FXDQ-PB: external static pressure of 10 Pa; FXDQ-NB: external static pressure of 15 Pa.

FXDQ40NB/FXDQ50NB/FXDQ63NB

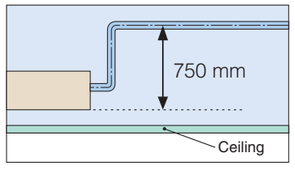
- Only 200 mm in height, this model can be installed in rooms with as little as 240 mm depth between the drop-ceiling and ceiling slab.



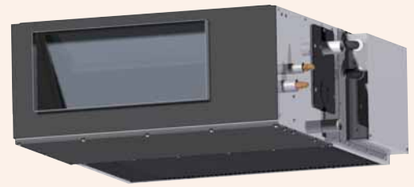
∗1,100 mm in width for the FXDQ63NB model.



- External static pressure selectable by remote controller switching make this indoor unit a very comfortable and flexible model.
  10 Pa-30 Pa/factory set: 10 Pa for FXDQ-PB models.
  15 Pa-44 Pa/factory set: 15 Pa for FXDQ-NB models.
- Drain pump is equipped as standard accessory with 750 mm lift.



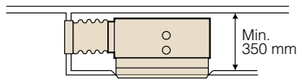
Ceiling Mounted Built-in Type



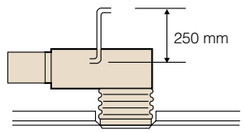
New
FXSYQ20M/FXSYQ25M/FXSYQ32M
FXSYQ40M/FXSYQ50M/FXSYQ63M
FXSYQ80M/FXSYQ100M/FXSYQ125M

Highly flexible for various application

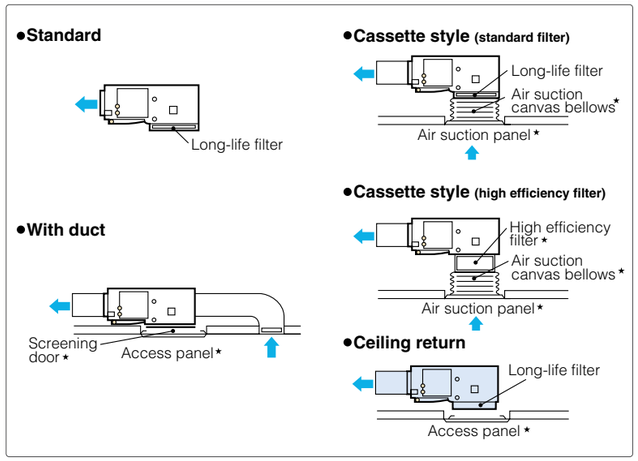
- Highly flexible installation is possible with a complete lineup of optional kits to satisfy various needs, such as the design concept, interior decoration and so on.
- The unit can be installed, if there is a space of 350 mm above ceiling. (when suction panel is used.)



- Drain pump is equipped as standard accessory with 250 mm lift.



Installation examples (∗Optional parts)



- High external static pressure allows the use of flexible ducts of various length.
- Low operation sound level (230 V)(dB(A))

FXSYQ-M	20/25/32	40	50	63	80/100	125
Sound level (H/L)	41/33.5	41/34.5	43/37	45/38.5	48/43	49/41.5

∗The values of operation sound level are based on Australian Standard 1217.6-1985. Measurement is based on bottom-return air entry.

Ceiling Concealed (Duct) Type

FXDYQ80MA/FXDYQ100MA
FXDYQ125MA/FXDYQ145MA

High static pressure offers flexible duct design that blends in with interior décor in stores and offices

- High efficiency Hi-X heat exchanger coils that provide energy savings.
- High external static pressure of 120 Pa allows comprehensive duct layout for various applications.
- Design of indoor units allows installation in limited roof spaces.
- Return air spigots included for ease of installation.
- Two external static pressure settings for added flexibility.
- Quiet yet powerful supply air fan.
- High strength galvanised steel casing.

Ceiling Mounted Duct Type

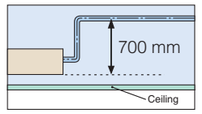
FXMQ20P/FXMQ25P/FXMQ32P
FXMQ40P/FXMQ50P/FXMQ63P
FXMQ80P/FXMQ100P/FXMQ125P
FXMQ140P New

Middle and high static pressure allows for flexible duct design

- A DC fan motor increases the external static pressure capacity range to include middle to high static pressures, increasing design flexibility.
  30 Pa–100 Pa for FXMQ20P-32P
  30 Pa–160 Pa for FXMQ40P
  50 Pa–200 Pa for FXMQ50P-125P
  50 Pa–140 Pa for FXMQ140P
- All models are only 300 mm in height, an improvement over the 390 mm height of conventional models. The weight of the FXMQ40P has been reduced from 44 kg to 28 kg.

Easy installation in buildings with narrow ceiling spaces

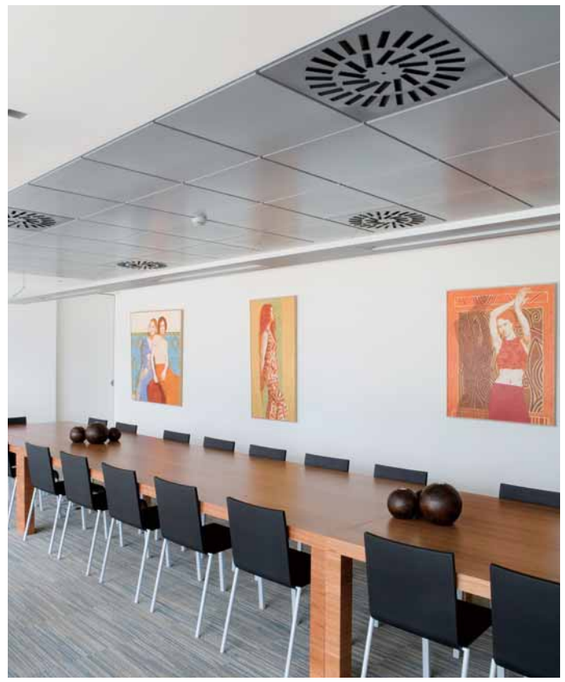
- Drain pump is equipped as standard accessory with 700 mm lift.



- Control of the airflow rate has been improved from 2-step to 3-step control.
- Low operation sound level (dB(A))

FXMQ-P	20/25	32	40	50	63	80/100	125	140
Sound level (HH/H/L)	33/31/29	34/32/30	39/37/35	41/39/37	42/40/38	43/41/39	44/42/40	46/45/43

- Energy-efficient
  - The adopted DC fan motor is much more efficient than the conventional AC motor, yielding an approximate 20% decrease in energy consumption (FXMQ125P).



- Improved ease of installation
  - Airflow can be controlled using a remote controller. With the conventional model, the airflow rate was controlled from the PC board. It is automatically adjusted to the range between approximately ±10% of the rated HH tap airflow for FXMQ20P-125P.
- Improved ease of maintenance
  - The drain pan can be detached for easy cleaning. An antibacterial treatment that uses silver ions has been applied to the drain pan, preventing the growth of slime, mould and bacteria that cause blockages and odours.

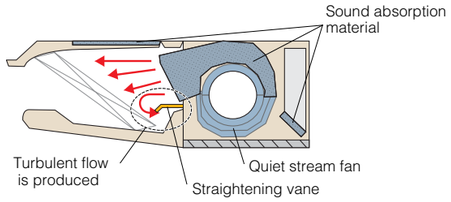
Ceiling Suspended Type

FXHQ32MA/FXHQ63MA
FXHQ100MA

Slim body with quiet and wide airflow

●Adoption of QUIET STREAM FAN

Uses the quiet stream fan and many advanced technologies.

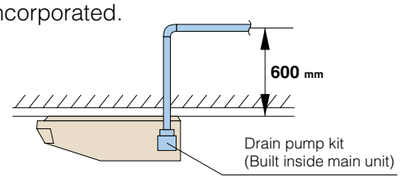


●Low operation sound level (dB(A))

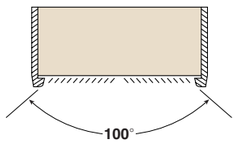
FXHQ-MA	32	63	100
Sound level (H/L)	36/31	39/34	45/37

●Installation is easy

- Drain pump kit (option) can be easily incorporated.



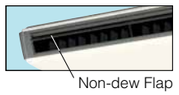
●Wide air discharge openings produce a spreading 100° airflow.



●Maintenance is easy

- Non-dew Flap with no implanted bristles

Bristle-free Flap minimises contamination and makes cleaning simpler.



- Easy-to-clean flat design
- Maintenance is easier because servicing can be performed from below the unit.
- A long-life filter (maintenance free up to one year) is equipped as standard accessory.

Wall Mounted Type

FXAQ20MA/FXAQ25MA
FXAQ32MA/FXAQ40MA
FXAQ50MA/FXAQ63MA

Sophisticated design and compact casing harmonised with your interior décor

●Compact and stylish design that does not detract from the décor of the room.

●Low operation sound level (dB(A))

FXAQ-MA	20	25	32	40	50	63
Sound level (H/L)	35/29	36/29	37/29	39/34	42/36	46/39

●Drain pan and air filter can be kept clean by mildew-proof polystyrene.

●Washable grille, the front grille can be easily removed for washing.

●Auto-swing realises efficiency of air distribution. The louvre closes automatically when the unit stops.

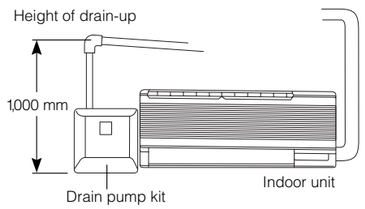
●5 steps of discharge angle can be set by remote controller.

●Discharge angle is automatically set at the same angle as the previous operation when restarting. (Initial setting: 10˚ for cooling and 70˚ for heating)

●Flexible installation

- Drain pipe can be fitted to from either left or right sides.

●Drain pump kit is available as optional accessory, which lifts the drain 1,000 mm from the bottom of the unit.

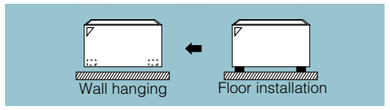


Floor Standing Type

FXLQ20MA/FXLQ25MA
FXLQ32MA/FXLQ40MA
FXLQ50MA/FXLQ63MA

Suitable for perimeter zone air conditioning

- Floor Standing types can be hung on the wall for easier floor cleaning. Running the piping from the back allows the unit to be hung on walls. Cleaning under the unit, where dust tends to accumulate, is considerably easier.
- The adoption of a fibre-less discharge grille featuring an original design to prevent condensation also helps prevent staining and makes cleaning easier.
- A long-life filter (maintenance free up to one year) is equipped as standard accessory.

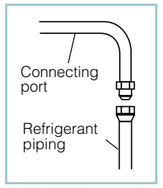


Concealed Floor Standing Type

FXNQ20MA/FXNQ25MA
FXNQ32MA/FXNQ40MA
FXNQ50MA/FXNQ63MA

Designed to be concealed in the perimeter skirting-wall

- The unit is concealed in skirting-wall of perimeter, that enables to create high class interior design.
- The connecting port faces downward, greatly facilitating on-site piping work.
- A long-life filter (maintenance free up to one year) is equipped as standard accessory.



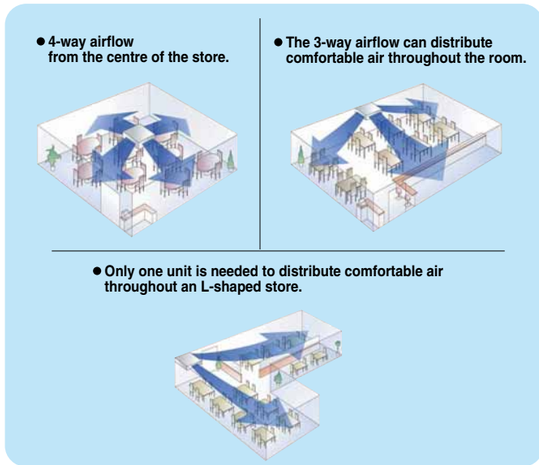
✻ Applies also to Floor Standing type (FXLQ-MA).

Ceiling Suspended Cassette Type

FXUQ71MA
FXUQ100MA
FXUQ125MA

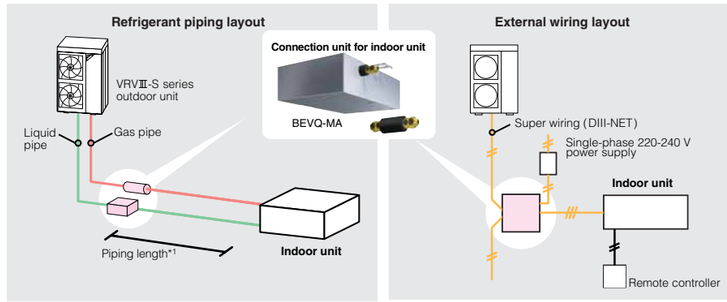
This thin indoor unit achieves optimum air distribution, and can be installed without the need for ceiling cavity

- Depending on installation site requirements or room conditions, 2-way, 3-way and 4-way discharge patterns are available.



Connection unit Connection unit is the device for connecting above indoor unit to VRV III-S.

BEVQ71MA/BEVQ100MA/BEVQ125MA



*1

Model	Maximum piping length between the BEV unit and the indoor unit.
FXUQ-MA	5 m

Notes:
- When connecting centralised-control device, it is necessary to install an interface adaptor for an indoor unit (DTA102A52).
- Connection unit BEVQ-MA is necessary for each indoor unit.
- The refrigerant piping height difference between the indoor units and the BEV unit must be within 4 m.
- The BEV unit must be installed within a maximum height difference between indoor units of 15 m.
- Branching of the refrigerant piping is not possible downstream of the BEV unit.

SPECIFICATIONS

● INDOOR UNITS ●

Ceiling Mounted Cassette (Round Flow) Type

MODEL			FXFQ25PVE	FXFQ32PVE	FXFQ40PVE	FXFQ50PVE	FXFQ63PVE	FXFQ80PVE	FXFQ100PVE	FXFQ125PVE
Power supply			1-phase, 220-240 V/220 V, 50/60 Hz							
Cooling capacity		kcal/h (*1)	2,500	3,200	4,000	5,000	6,300	8,000	10,000	12,500
		Btu/h (*1)	9,900	12,600	16,000	19,800	24,900	31,700	39,600	49,500
		kW (*1)	2.9	3.7	4.7	5.8	7.3	9.3	11.6	14.5
		kW (*2)	2.8	3.6	4.5	5.6	7.1	9.0	11.2	14.0
Heating capacity		kcal/h	2,800	3,400	4,300	5,400	6,900	8,600	10,800	13,800
		Btu/h	10,900	13,600	17,100	21,500	27,300	34,100	42,700	54,600
		kW	3.2	4.0	5.0	6.3	8.0	10.0	12.5	16.0
Power consumption	Cooling	kW	0.033	0.033	0.047	0.052	0.066	0.093	0.187	0.209
	Heating		0.027	0.027	0.034	0.038	0.053	0.075	0.174	0.200
Casing			Galvanised steel plate							
Airflow rate (HH/H/L)		ℓ/s	216/191/166	216/191/166	250/216/183	266/225/183	316/275/225	350/300/250	533/433/333	550/466/375
		m³/min	13/11.5/10	13/11.5/10	15/13/11	16/13.5/11	19/16.5/13.5	21/18/15	32/26/20	33/28/22.5
Sound level (HH/H/L)		dB(A)	30/28.5/27	30/28.5/27	31/29/27	32/29.5/27	34/31/28	36/33.5/31	43/37.5/32	44/39/34
Sound power (HH/H/L)		dB(A)	48/46.5/45	48/46.5/45	49/47/45	50/47.5/45	52/49/46	53/51.5/49	60/54.5/50	61/56/52
Dimensions (H×W×D)		mm	246×840×840	246×840×840	246×840×840	246×840×840	246×840×840	246×840×840	288×840×840	288×840×840
Machine weight		kg	19.5	19.5	19.5	19.5	22	22	25	25
Piping connections	Liquid (Flare)	mm	ϕ6.4	ϕ6.4	ϕ6.4	ϕ6.4	ϕ9.5	ϕ9.5	ϕ9.5	ϕ9.5
	Gas (Flare)		ϕ12.7	ϕ12.7	ϕ12.7	ϕ12.7	ϕ15.9	ϕ15.9	ϕ15.9	ϕ15.9
	Drain		VP25 (External Dia, 32/Internal Dia, 25)							
Panel (Option)	Model		BYCP125K-W1							
	Colour		Fresh white							
	Dimensions (H×W×D)	mm	50×950×950	50×950×950	50×950×950	50×950×950	50×950×950	50×950×950	50×950×950	50×950×950
	Weight	kg	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5

Ceiling Mounted Cassette (Compact Multi Flow) Type

MODEL			FXZQ20MVE	FXZQ25MVE	FXZQ32MVE	FXZQ40MVE	FXZQ50MVE
Power supply			1-phase, 220-240 V/220 V, 50 Hz/60 Hz				
Cooling capacity		kcal/h (*1)	2,000	2,500	3,200	4,000	5,000
		Btu/h (*1)	7,800	9,900	12,600	16,000	19,800
		kW (*1)	2.3	2.9	3.7	4.7	5.8
		kW (*2)	2.2	2.8	3.6	4.5	5.6
Heating capacity		kcal/h	2,200	2,800	3,400	4,300	5,400
		Btu/h	8,500	10,900	13,600	17,100	21,500
		kW	2.5	3.2	4.0	5.0	6.3
Power consumption	Cooling	kW	0.073	0.073	0.076	0.089	0.115
	Heating		0.064	0.064	0.068	0.080	0.107
Casing			Galvanised steel plate				
Airflow rate (H/L)		ℓ/s	150/116	150/116	158/125	183/133	233/166
		m³/min	9/7	9/7	9.5/7.5	11/8	14/10
Sound level (H/L)	240 V	dB(A)	32/26	32/26	34/28	37/29	42/35
Sound power (H)	240 V	dB(A)	49	49	51	54	59
Dimensions (H×W×D)		mm	286×575×575				
Machine weight		kg	18				
Piping connections	Liquid (Flare)	mm	ϕ6.4	ϕ6.4	ϕ6.4	ϕ6.4	ϕ6.4
	Gas (Flare)		ϕ12.7	ϕ12.7	ϕ12.7	ϕ12.7	ϕ12.7
	Drain		VP20 (External Dia, 26/Internal Dia, 20)				
Panel (Option)	Model		BYFQ60B8W1				
	Colour		White (6.5Y9.5/0.5)				
	Dimensions (H×W×D)	mm	55×700×700	55×700×700	55×700×700	55×700×700	55×700×700
	Weight	kg	2.7	2.7	2.7	2.7	2.7

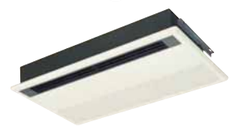
Note: Specifications are based on the following conditions;
- Cooling: (*1) Indoor temp. of 27°CDB, 19.5°CWB, and outdoor temp. of 35.0°CDB. (*2) Indoor temp. of 27°CDB, 19.0°CWB, and outdoor temp. of 35.0°CDB.
- Heating: Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.
- Equivalent piping length: 7.5 m
- Level difference: 0 m
- Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index. (See ENGINEERING DATA for details.)
- Sound level: Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre.
  During actual operation, these values are normally somewhat higher as a result of ambient conditions.

● INDOOR UNITS ●

Ceiling Mounted Cassette (Double Flow) Type

MODEL			FXCQ20MVE	FXCQ25MVE	FXCQ32MVE	FXCQ40MVE	FXCQ50MVE	FXCQ63MVE	FXCQ80MVE	FXCQ125MVE
Power supply			1-phase, 220-240 V/220 V, 50/60 Hz							
Cooling capacity		kcal/h (*1)	2,000	2,500	3,200	4,000	5,000	6,300	8,000	12,500
		Btu/h (*1)	7,800	9,900	12,600	16,000	19,800	24,900	31,700	49,500
		kW (*1)	2.3	2.9	3.7	4.7	5.8	7.3	9.3	14.5
		kW (*2)	2.2	2.8	3.6	4.5	5.6	7.1	9.0	14.0
Heating capacity		kcal/h	2,200	2,800	3,400	4,300	5,400	6,900	8,600	13,800
		Btu/h	8,500	10,900	13,600	17,100	21,500	27,300	34,100	54,600
		kW	2.5	3.2	4.0	5.0	6.3	8.0	10.0	16.0
Power consumption	Cooling	kW	0.077	0.092	0.092	0.130	0.130	0.161	0.209	0.256
	Heating		0.044	0.059	0.059	0.097	0.097	0.126	0.176	0.223
Casing			Galvanised steel plate							
Airflow rate (H/L)		ℓ/s	116/83	150/108	150/108	200/150	200/150	275/216	433/350	550/416
		m³/min	7/5	9/6.5	9/6.5	12/9	12/9	16.5/13	26/21	33/25
Sound level (H/L)	240 V	dB(A)	34/29	36/30	36/30	37/32	37/32	39/34	41/36	46/40
Dimensions (H×W×D)		mm	305×775×600	305×775×600	305×775×600	305×990×600	305×990×600	305×1,175×600	305×1,665×600	305×1,665×600
Machine weight		kg	26.0	26.0	26.0	31.0	32.0	35.0	47.0	48.0
Piping connections	Liquid (Flare)	mm	ϕ6.4	ϕ6.4	ϕ6.4	ϕ6.4	ϕ6.4	ϕ9.5	ϕ9.5	ϕ9.5
	Gas (Flare)		ϕ12.7	ϕ12.7	ϕ12.7	ϕ12.7	ϕ12.7	ϕ15.9	ϕ15.9	ϕ15.9
	Drain		VP25 (External Dia, 32/Internal Dia, 25)							
Panel (Option)	Model		BYBC32G-W1			BYBC50G-W1		BYBC63G-W1	BYBC125G-W1	
	Colour		White (10Y9/0.5)							
	Dimensions (H×W×D)	mm	53×1,030×680	53×1,030×680	53×1,030×680	53×1,245×680	53×1,245×680	53×1,430×680	53×1,920×680	53×1,920×680
	Weight	kg	8.0	8.0	8.0	8.5	8.5	9.5	12.0	12.0

Ceiling Mounted Cassette Corner Type



MODEL			FXKQ25MAVE	FXKQ32MAVE	FXKQ40MAVE	FXKQ63MAVE
Power supply			1-phase, 220-240 V/220 V, 50/60 Hz			
Cooling capacity		kcal/h (*1)	2,500	3,200	4,000	6,300
		Btu/h (*1)	9,900	12,600	16,000	24,900
		kW (*1)	2.9	3.7	4.7	7.3
		kW (*2)	2.8	3.6	4.5	7.1
Heating capacity		kcal/h	2,800	3,400	4,300	6,900
		Btu/h	10,900	13,600	17,100	27,300
		kW	3.2	4.0	5.0	8.0
Power consumption	Cooling	kW	0.066	0.066	0.076	0.105
	Heating		0.046	0.046	0.056	0.085
Casing			Galvanised steel plate			
Airflow rate (H/L)		ℓ/s	183/150	183/150	216/166	300/250
		m³/min	11/9	11/9	13/10	18/15
Sound level (H/L)	240 V	dB(A)	40/35	40/35	42/36	44/39
Dimensions (H×W×D)		mm	215×1,110×710	215×1,110×710	215×1,110×710	215×1,310×710
Machine weight		kg	31.0	31.0	31.0	34.0
Piping connections	Liquid (Flare)	mm	ϕ6.4	ϕ6.4	ϕ6.4	ϕ9.5
	Gas (Flare)		ϕ12.7	ϕ12.7	ϕ12.7	ϕ15.9
	Drain		VP25 (External Dia, 32/Internal Dia, 25)			
Panel (Option)	Model		BYK45FJW1			BYK71FJW1
	Colour		White (10Y9/0.5)			
	Dimensions (H×W×D)	mm	70×1,240×800	70×1,240×800	70×1,240×800	70×1,440×800
	Weight	kg	8.5	8.5	8.5	9.5

Note: Specifications are based on the following conditions;
- Cooling: (*1) Indoor temp. of 27°CDB, 19.5°CWB, and outdoor temp. of 35.0°CDB.
  (*2) Indoor temp. of 27°CDB, 19.0°CWB, and outdoor temp. of 35.0°CDB.
- Heating: Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.
- Equivalent piping length: 7.5 m
- Level difference: 0 m
- Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index. (See ENGINEERING DATA for details.)
- Sound level: **(FXCQ-M)** Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre.
  (FXKQ-MA) Anechoic chamber conversion value, measured at a point 1 m in front of the unit and 1 m downward.
  During actual operation, these values are normally somewhat higher as a result of ambient conditions.

SPECIFICATIONS

● INDOOR UNITS ●

Slim Ceiling Mounted Duct Type (700 mm width type)

MODEL			FXDQ20PBVE	FXDQ25PBVE	FXDQ32PBVE
Power supply			1-phase, 220-240 V/220 V, 50/60 Hz		
Cooling capacity		kcal/h (*1)	2,000	2,500	3,200
		Btu/h (*1)	7,800	9,900	12,600
		kW (*1)	2.3	2.9	3.7
		kW (*2)	2.2	2.8	3.6
Heating capacity		kcal/h	2,200	2,800	3,400
		Btu/h	8,500	10,900	13,600
		kW	2.5	3.2	4.0
Power consumption	Cooling	kW	0.086	0.086	0.089
	Heating		0.067	0.067	0.070
Casing			Galvanised steel plate		
Airflow rate (HH/H/L)		ℓ/s	133/120/106	133/120/106	133/120/106
		m³/min	8.0/7.2/6.4	8.0/7.2/6.4	8.0/7.2/6.4
External static pressure		Pa	30-10★1		
Sound level (HH/H/L)★2★3		dB(A)	33/31/29	33/31/29	33/31/29
Sound power (HH)		dB(A)	51	51	51
Dimensions (H×W×D)		mm	200×700×620	200×700×620	200×700×620
Machine weight		kg	23.0	23.0	23.0
Piping connections	Liquid (Flare)	mm	ϕ6.4	ϕ6.4	ϕ6.4
	Gas (Flare)		ϕ12.7	ϕ12.7	ϕ12.7
	Drain		VP20 (External Dia, 26/Internal Dia, 20)		

Slim Ceiling Mounted Duct Type (900/1,100 mm width type)

MODEL			FXDQ40NBVE	FXDQ50NBVE	FXDQ63NBVE
Power supply			1-phase, 220-240 V/220 V, 50/60 Hz		
Cooling capacity		kcal/h (*1)	4,000	5,000	6,300
		Btu/h (*1)	16,000	19,800	24,900
		kW (*1)	4.7	5.8	7.3
		kW (*2)	4.5	5.6	7.1
Heating capacity		kcal/h	4,300	5,400	6,900
		Btu/h	17,100	21,500	27,300
		kW	5.0	6.3	8.0
Power consumption	Cooling	kW	0.160	0.165	0.181
	Heating		0.147	0.152	0.168
Casing			Galvanised steel plate		
Airflow rate (HH/H/L)		ℓ/s	175/158/141	208/183/166	275/241/216
		m³/min	10.5/9.5/8.5	12.5/11.0/10.0	16.5/14.5/13.0
External static pressure		Pa	44-15★1		
Sound level (HH/H/L)★2★3		dB(A)	34/32/30	35/33/31	36/34/32
Sound power (HH)		dB(A)	52	53	54
Dimensions (H×W×D)		mm	200×900×620	200×900×620	200×1,100×620
Machine weight		kg	27.0	28.0	31.0
Piping connections	Liquid (Flare)	mm	ϕ6.4	ϕ6.4	ϕ9.5
	Gas (Flare)		ϕ12.7	ϕ12.7	ϕ15.9
	Drain		VP20 (External Dia, 26/Internal Dia, 20)		

Note: Specifications are based on the following conditions;
- •Cooling: (*1) Indoor temp. of 27°CDB, 19.5°CWB, and outdoor temp. of 35.0°CDB. (*2) Indoor temp. of 27°CDB, 19.0°CWB, and outdoor temp. of 35.0°CDB.
- •Heating: Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.
- ★1: External static pressure is changeable to set by the remote controller. This pressure means "High static pressure - Standard".(Factory setting is 10 Pa for FXDQ-PB models and 15 Pa for FXDQ-NB models.)
- ★2: The values of operation sound level represent those for rear-suction operation. Sound level values for bottom-suction operation can be obtained by adding 5 dB(A).
- ★3: Values are based on the following conditions: FXDQ-PB: external static pressure of 10 Pa; FXDQ-NB: external static pressure of 15 Pa.
- •Equivalent piping length: 7.5 m
- •Level difference: 0 m
- •Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index. (See ENGINEERING DATA for details.)
- •Sound level: Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre.
  During actual operation, these values are normally somewhat higher as a result of ambient conditions.

● INDOOR UNITS ●

Ceiling Mounted Built-in Type

MODEL			FXSYQ20MVE	FXSYQ25MVE	FXSYQ32MVE	FXSYQ40MVE	FXSYQ50MVE	FXSYQ63MVE	FXSYQ80MVE	FXSYQ100MVE	FXSYQ125MVE
Power supply			1-phase, 220-240 V, 50 Hz								
Cooling capacity		kcal/h (*1)	2,000	2,500	3,200	4,000	5,000	6,300	8,000	10,000	12,500
		Btu/h (*1)	7,900	9,900	12,600	16,000	19,800	24,900	31,700	39,600	49,500
		kW (*1)	2.3	2.9	3.7	4.7	5.8	7.3	9.3	11.6	14.5
		kW (*2)	2.2	2.8	3.6	4.5	5.6	7.1	9.0	11.2	14.0
Heating capacity		kcal/h	2,200	2,800	3,400	4,300	5,400	6,900	8,600	10,800	13,800
		Btu/h	8,500	10,900	13,600	17,100	21,500	27,300	34,100	42,700	54,600
		kW	2.5	3.2	4.0	5.0	6.3	8.0	10.0	12.5	16.0
Power consumption	Cooling	kW	0.089	0.089	0.096	0.106	0.145	0.178	0.304	0.309	0.366
	Heating		0.089	0.089	0.096	0.106	0.145	0.178	0.304	0.309	0.366
Casing			Galvanised steel plate								
Airflow rate (H/L)		ℓ/s	150/112	150/112	158/112	191/143	250/190	350/235	450/355	466/370	633/457
		m³/min	9/6.72	9/6.72	9.5/6.72	11.5/8.58	15/11.4	21/14.1	27/21.3	28/22.2	38/27.42
External static pressure		Pa	98-65-33★1	98-65-33★1	88-57-27★1	96-65-57★1	86-58-43★1	115-84-52★1	140-122-61★1	138-118-53★1	98-58★2
Sound level (H/L)	230 V	dB(A)	41/33.5	41/33.5	41/33.5	41/34.5	43/37	45/38.5	48/43	48/43	49/41.5
Sound power (H/L)	230 V	dB(A)	58/50.5	58/50.5	58/50.5	58/51.5	60/54	62/55.5	65.5/60	65.5/60	66/59
Dimensions (H×W×D)		mm	300×550×800	300×550×800	300×550×800	300×700×800	300×700×800	300×1,000×800	300×1,400×800	300×1,400×800	300×1,400×800
Machine weight		kg	30	30	30	34	35	44	57	57	57
Piping connections	Liquid (Flare)	mm	ϕ6.4	ϕ6.4	ϕ6.4	ϕ6.4	ϕ6.4	ϕ9.5	ϕ9.5	ϕ9.5	ϕ9.5
	Gas (Flare)		ϕ12.7	ϕ12.7	ϕ12.7	ϕ12.7	ϕ12.7	ϕ15.9	ϕ15.9	ϕ15.9	ϕ15.9
	Drain		VP25 (External Dia, 32/Internal Dia, 25)								
Panel (Option)	Model		BYBS32DJW1	BYBS32DJW1	BYBS32DJW1	BYBS45DJW1	BYBS45DJW1	BYBS71DJW1	BYBS125DJW1	BYBS125DJW1	BYBS125DJW1
	Colour		White (10Y9/0.5)								
	Dimensions (H×W×D)	mm	55×650×500	55×650×500	55×650×500	55×800×500	55×800×500	55×1,100×500	55×1,500×500	55×1,500×500	55×1,500×500
	Weight	kg	3.0	3.0	3.0	3.5	3.5	4.5	6.5	6.5	6.5

Ceiling Concealed (Duct) Type

MODEL			FXDYQ80MAV1	FXDYQ100MAV1	FXDYQ125MAV1	FXDYQ145MAV1
Power supply			1-phase, 220-240 V, 50 Hz			
Cooling capacity		kcal/h (*1)	8,000	10,000	12,500	14,500
		Btu/h (*1)	31,700	39,600	49,500	57,600
		kW (*1)	9.3	11.6	14.5	16.9
		kW (*2)	8.8	11.2	13.9	16.0
Heating capacity		kcal/h	8,480	10,800	13,800	15,800
		Btu/h	33,800	42,700	54,600	62,800
		kW	9.9	12.5	16.0	18.4
Power consumption	Cooling	kW	0.415	0.700	0.780	0.880
	Heating		0.415	0.700	0.780	0.880
Casing			Galvanised steel plate			
Airflow rate (H)		ℓ/s	510	778	852	957
		m³/min	30.6	46.7	51.1	57.4
External static pressure (H)		Pa	120 ★3	120 ★3	120 ★3	120 ★3
Sound level (H)	240 V	dB(A)	45	46	48	51
Dimensions (H×W×D)		mm	360×1168×869	360×1478×899	360×1478×899	360×1478×899
Machine weight		kg	50	60	65	66
Piping connections	Liquid (Flare)	mm	ϕ9.5	ϕ9.5	ϕ9.5	ϕ9.5
	Gas (Flare)		ϕ15.9	ϕ15.9	ϕ15.9	ϕ15.9
	Drain		VP25 (External Dia, 32/Internal Dia, 25)			

Note: Specifications are based on the following conditions;
- •Cooling: (*1) Indoor temp. of 27°CDB, 19.5°CWB, and outdoor temp. of 35.0°CDB.
  (*2) Indoor temp. of 27°CDB, 19.0°CWB, and outdoor temp. of 35.0°CDB.
- •Heating: Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.
- ★1: External static pressure is changeable to change over the connectors inside electrical box, this pressure means "High static pressure-Standard-Low static pressure".
- ★2: External static pressure is changeable to change over the connectors inside electrical box, this pressure means "High static pressure-Standard".
- ★3: External static pressure is changeable to change over the connectors inside electrical box (High static pressure-Standard static pressure). The data above is for high static pressure setting.
- •Equivalent piping length: 7.5 m
- •Level difference: 0 m
- •Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index. (See ENGINEERING DATA for details.)
- •For FXDYQ models, an air filter is not a standard accessory. A suitable locally obtained filter must be installed in the return air duct.
- •Sound level: **(FXSYQ)** Anechoic chamber conversion value, based on Australian Standard 1217.6-1985. Measurement is based on bottom-return air entry.
  (FXDYQ) Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre.
  During actual operation, these values are normally somewhat higher as a result of ambient conditions.

SPECIFICATIONS

● INDOOR UNITS ●

Ceiling Mounted Duct Type

MODEL			FXMQ20PVE	FXMQ25PVE	FXMQ32PVE	FXMQ40PVE	FXMQ50PVE
Power supply			1-phase, 220-240 V/220 V, 50/60 Hz				
Cooling capacity	kcal/h (*1)		2,000	2,500	3,200	4,000	5,000
	Btu/h (*1)		7,800	9,900	12,600	16,000	19,800
	kW	(*1)	2.3	2.9	3.7	4.7	5.8
		(*2)	2.2	2.8	3.6	4.5	5.6
Heating capacity	kcal/h		2,200	2,800	3,400	4,300	5,400
	Btu/h		8,500	10,900	13,600	17,100	21,500
	kW		2.5	3.2	4.0	5.0	6.3
Power consumption	Cooling	kW	0.081	0.081	0.085	0.194	0.215
	Heating		0.069	0.069	0.073	0.182	0.203
Casing			Galvanised steel plate				
Airflow rate (HH/H/L)	ℓ/s		150/125/108	150/125/108	158/133/116	267/216/183	300/275/250
	m³/min		9/7.5/6.5	9/7.5/6.5	9.5/8/7	16/13/11	18/16.5/15
External static pressure	Pa		30-100 ★1	30-100 ★1	30-100 ★1	30-160 ★1	50-200 ★1
Sound level (HH/H/L)	dB(A)		33/31/29	33/31/29	34/32/30	39/37/35	41/39/37
Sound power (H)	dB(A)		51	51	52	57	59
Dimensions (H×W×D)	mm		300×550×700	300×550×700	300×550×700	300×700×700	300×1,000×700
Machine weight	kg		25.0	25.0	25.0	28.0	36.0
Piping connections	Liquid (Flare)	mm	ϕ6.4	ϕ6.4	ϕ6.4	ϕ6.4	ϕ6.4
	Gas (Flare)		ϕ12.7	ϕ12.7	ϕ12.7	ϕ12.7	ϕ12.7
	Drain		VP25 (External Dia, 32/Internal Dia, 25)				

MODEL			FXMQ63PVE	FXMQ80PVE	FXMQ100PVE	FXMQ125PVE	FXMQ140PVE
Power supply			1-phase, 220-240 V/220 V, 50/60 Hz				
Cooling capacity	kcal/h (*1)		6,300	8,000	10,000	12,500	14,300
	Btu/h (*1)		24,900	31,700	39,600	49,500	57,000
	kW	(*1)	7.3	9.3	11.6	14.5	16.7
		(*2)	7.1	9.0	11.2	14.0	16.0
Heating capacity	kcal/h		6,900	8,600	10,800	13,800	15,500
	Btu/h		27,300	34,100	42,700	54,600	61,400
	kW		8.0	10.0	12.5	16.0	18.0
Power consumption	Cooling	kW	0.230	0.298	0.376	0.461	0.461
	Heating		0.218	0.286	0.364	0.449	0.449
Casing			Galvanised steel plate				
Airflow rate (HH/H/L)	ℓ/s		325/292/267	417/375/333	533/450/383	650/550/466	766/649/533
	m³/min		19.5/17.5/16	25/22.5/20	32/27/23	39/33/28	46/39/32
External static pressure	Pa		50-200 ★1	50-200 ★1	50-200 ★1	50-200 ★1	50-140 ★1
Sound level (HH/H/L)	dB(A)		42/40/38	43/41/39	43/41/39	44/42/40	46/45/43
Sound power (H)	dB(A)		60	61	61	62	64
Dimensions (H×W×D)	mm		300×1,000×700	300×1,000×700	300×1,400×700	300×1,400×700	300×1,400×700
Machine weight	kg		36.0	36.0	46.0	46.0	47.0
Piping connections	Liquid (Flare)	mm	ϕ9.5	ϕ9.5	ϕ9.5	ϕ9.5	ϕ9.5
	Gas (Flare)		ϕ15.9	ϕ15.9	ϕ15.9	ϕ15.9	ϕ15.9
	Drain		VP25 (External Dia, 32/Internal Dia, 25)				

Note: Specifications are based on the following conditions;
- Cooling: (*1) Indoor temp. of 27°CDB, 19.5°CWB, and outdoor temp. of 35.0°CDB.
  (*2) Indoor temp. of 27°CDB, 19.0°CWB, and outdoor temp. of 35.0°CDB.
- Heating: Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.
- ★1: External static pressure can be modified using a remote controller that offers seven (FXMQ20-32P), thirteen (FXMQ40P), fourteen (FXMQ50-125P) or ten (FXMQ140P) levels of control. These values indicate the lowest and highest possible static pressures. The standard static pressure is 50 Pa for FXMQ20-32P and 100 Pa for FXMQ40-140P.
- Equivalent piping length: 7.5 m
- Level difference: 0 m
- Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index. (See ENGINEERING DATA for details.)
- Sound level: Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre.
  During actual operation, these values are normally somewhat higher as a result of ambient conditions.

● INDOOR UNITS ●

Ceiling Suspended Type

MODEL			FXHQ32MAVE	FXHQ63MAVE	FXHQ100MAVE
Power supply			1-phase, 220-240 V/220 V, 50/60 Hz		
Cooling capacity	kcal/h (*1)		3,200	6,300	10,000
	Btu/h (*1)		12,600	24,900	39,600
	kW	(*1)	3.7	7.3	11.6
		(*2)	3.6	7.1	11.2
Heating capacity	kcal/h		3,400	6,900	10,800
	Btu/h		13,600	27,300	42,700
	kW		4.0	8.0	12.5
Power consumption	Cooling	kW	0.111	0.115	0.135
	Heating		0.111	0.115	0.135
Casing			White (10Y9/0.5)		
Airflow rate (H/L)	ℓ/s		200/166	291/233	416/325
	m³/min		12/10	17.5/14	25/19.5
Sound level (H/L)	dB(A)		36/31	39/34	45/37
Dimensions (H×W×D)	mm		195×960×680	195×1,160×680	195×1,400×680
Machine weight	kg		24.0	28.0	33.0
Piping connections	Liquid (Flare)	mm	ϕ6.4	ϕ9.5	ϕ9.5
	Gas (Flare)		ϕ12.7	ϕ15.9	ϕ15.9
	Drain		VP20 (External Dia, 26/Internal Dia, 20)		

Wall Mounted Type

MODEL			FXAQ20MAVE	FXAQ25MAVE	FXAQ32MAVE	FXAQ40MAVE	FXAQ50MAVE	FXAQ63MAVE
Power supply			1-phase, 220-240 V/220 V, 50/60 Hz					
Cooling capacity	kcal/h (*1)		2,000	2,500	3,200	4,000	5,000	6,300
	Btu/h (*1)		7,800	9,900	12,600	16,000	19,800	24,900
	kW	(*1)	2.3	2.9	3.7	4.7	5.8	7.3
		(*2)	2.2	2.8	3.6	4.5	5.6	7.1
Heating capacity	kcal/h		2,200	2,800	3,400	4,300	5,400	6,900
	Btu/h		8,500	10,900	13,600	17,100	21,500	27,300
	kW		2.5	3.2	4.0	5.0	6.3	8.0
Power consumption	Cooling	kW	0.016	0.022	0.027	0.020	0.027	0.050
	Heating		0.024	0.027	0.032	0.020	0.032	0.060
Casing			White (3.0Y8.5/0.5)					
Airflow rate (H/L)	ℓ/s		125/75	133/83	150/91	200/150	250/200	316/233
	m³/min		7.5/4.5	8/5	9/5.5	12/9	15/12	19/14
Sound level (H/L)	dB(A)		35/29	36/29	37/29	39/34	42/36	46/39
Dimensions (H×W×D)	mm		290×795×230	290×795×230	290×795×230	290×1,050×230	290×1,050×230	290×1,050×230
Machine weight	kg		11.0	11.0	11.0	14.0	14.0	14.0
Piping connections	Liquid (Flare)	mm	ϕ6.4	ϕ6.4	ϕ6.4	ϕ6.4	ϕ6.4	ϕ9.5
	Gas (Flare)		ϕ12.7	ϕ12.7	ϕ12.7	ϕ12.7	ϕ12.7	ϕ15.9
	Drain		VP13 (External Dia, 18/Internal Dia, 13)					

Note : Specifications are based on the following conditions ;
- Cooling: (*1) Indoor temp. of 27°CDB, 19.5°CWB, and outdoor temp. of 35.0°CDB.
  (*2) Indoor temp. of 27°CDB, 19.0°CWB, and outdoor temp. of 35.0°CDB.
- Heating: Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.
- Equivalent piping length: 7.5 m
- Level difference: 0 m
- Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index. (See ENGINEERING DATA for details.)
- Sound level: Anechoic chamber conversion value, measured at a point 1 m in front of the unit and 1 m downward.
  During actual operation, these values are normally somewhat higher as a result of ambient conditions.

SPECIFICATIONS

● INDOOR UNITS ●

Floor Standing Type/Concealed Floor Standing Type

FXLQ

FXNQ

MODEL			FXLQ20MAVE	FXLQ25MAVE	FXLQ32MAVE	FXLQ40MAVE	FXLQ50MAVE	FXLQ63MAVE
			FXNQ20MAVE	FXNQ25MAVE	FXNQ32MAVE	FXNQ40MAVE	FXNQ50MAVE	FXNQ63MAVE
Power supply			1-phase, 220-240 V/220 V, 50/60 Hz					
Cooling capacity		kcal/h (*1)	2,000	2,500	3,200	4,000	5,000	6,300
		Btu/h (*1)	7,800	9,900	12,600	16,000	19,800	24,900
		kW (*1)	2.3	2.9	3.7	4.7	5.8	7.3
		kW (*2)	2.2	2.8	3.6	4.5	5.6	7.1
Heating capacity		kcal/h	2,200	2,800	3,400	4,300	5,400	6,900
		Btu/h	8,500	10,900	13,600	17,100	21,500	27,300
		kW	2.5	3.2	4.0	5.0	6.3	8.0
Power consumption	Cooling	kW	0.049	0.049	0.090	0.090	0.110	0.110
	Heating		0.049	0.049	0.090	0.090	0.110	0.110
Casing			FXLQ:Ivory white (5Y7.5/1) / FXNQ:Galvanised steel plate					
Airflow rate (H/L)		ℓ/s	116/100	116/100	133/100	183/141	233/183	266/200
		m³/min	7/6	7/6	8/6	11/8.5	14/11	16/12
Sound level (H/L)	240 V	dB(A)	37/34	37/34	37/34	40/35	41/36	42/37
Dimensions (H×W×D)	FXLQ	mm	600×1,000×222	600×1,000×222	600×1,140×222	600×1,140×222	600×1,420×222	600×1,420×222
	FXNQ		610×930×220	610×930×220	610×1,070×220	610×1,070×220	610×1,350×220	610×1,350×220
Machine weight	FXLQ	kg	25.0	25.0	30.0	30.0	36.0	36.0
	FXNQ		19.0	19.0	23.0	23.0	27.0	27.0
Piping connections	Liquid (Flare)	mm	ϕ6.4	ϕ6.4	ϕ6.4	ϕ6.4	ϕ6.4	ϕ9.5
	Gas (Flare)		ϕ12.7	ϕ12.7	ϕ12.7	ϕ12.7	ϕ12.7	ϕ15.9
	Drain		ϕ21O.D.					

Connection unit series indoor units

* A type of BEV unit is necessary for each Connection unit series indoor unit. Refer to the Engineering Data for details.
* If indoor units from the Connection unit series are connected within a single refrigerant system to indoor units from any other series, cooling/heating switchover will not be possible using the remote controller of the Connection unit series indoor units. However, if the remote controller of an indoor unit from the other series is set as a master remote controller, cooling/heating switchover will be possible.
* If all indoor units are from the Connection unit series, an outdoor unit Cool/Heat selector will be needed to enable cooling/heating switchover.
* Group control between Connection Unit series equipment within one system is possible. However, group control with the other VRV indoor units is not possible.

Ceiling Suspended Cassette Type

MODEL		Indoor unit	FXUQ71MAV1	FXUQ100MAV1	FXUQ125MAV1
		Connection unit	BEVQ71MAVE	BEVQ100MAVE	BEVQ125MAVE
Power supply			1-phase, 220-240 V, 50 Hz		
Cooling capacity		Kcal/h (*1)	7,100	10,000	12,500
		Btu/h (*1)	28,300	39,600	49,500
		kW (*1)	8.3	11.6	14.5
		kW (*2)	8.0	11.2	14.0
Heating capacity (Max.)		Kcal/h	7,700	10,800	12,000
		Btu/h	30,700	42,700	47,800
		kW	9.0	12.5	14.0
Power consumption	Cooling	kW	0.189	0.298	0.298
	Heating		0.169	0.278	0.278
Indoor unit	Casing		White(10Y9/0.5)		
	Airflow rate (H/L)	ℓ/s	316/233	483/350	533/383
		m³/min	19/14	29/21	32/23
	Sound level (H/L) 230 V	dB(A)	40/35	43/38	44/39
	Sound power (H)	dB(A)	56	59	60
	Dimensions (H×W×D)	mm	165×895×895	230×895×895	230×895×895
	Machine weight	kg	25	31	31
Piping connections	Liquid	mm	ϕ9.5 (Flare)		
	Gas		ϕ15.9 (Flare)		
	Drain		VP 20 (External Dia. 26/Internal Dia. 20)		

Note : Specifications are based on the following conditions ;
- Cooling: (*1) Indoor temp. of 27°CDB, 19.5°CWB, and outdoor temp. of 35.0°CDB.(*2) Indoor temp. of 27°CDB, 19.0°CWB, and outdoor temp. of 35.0°CDB.
- Heating: Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.
- Equivalent piping length: 7.5 m • Level difference: 0 m
- Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index. (See ENGINEERING DATA for details.)
- Sound level: **(FXLQ-MA,FXNQ-MA)** Anechoic chamber conversion value, measured at a point 1.5 m in front of the unit at a height of 1.5 m.
  (FXUQ-MA) Anechoic chamber conversion value, measured at a point 1.5 m below the unit centre.
  During actual operation, these values are normally somewhat higher as a result of ambient conditions.

● OUTDOOR UNITS ●

Heat Pump

MODEL			RXYMQ4PV4A	RXYMQ5PV4A	RXYMQ6PV4A
Power supply			1-phase, 230–240 V, 50 Hz		
Cooling capacity		Kcal/h	9,600	12,000	13,300
		Btu/h	38,200	47,800	52,900
		kW	11.2	14.0	15.5
Heating capacity		Kcal/h	10,800	13,800	15,500
		Btu/h	42,700	54,600	61,400
		kW	12.5	16.0	18.0
Power consumption	Cooling	kW	2.95	3.97	4.44
	Heating		3.27	4.09	4.82
Capacity control		%	24 to 100		
Casing colour			Ivory white (5Y7.5/1)		
Compressor	Type		Hermetically sealed scroll type		
	Motor output	kW	2.5	3.0	3.5
Airflow rate		ℓ/s	1,766		
		m³/min	106		
Dimensions (H x W x D)		mm	1,345 x 900 x 320		
Machine weight		kg	125		
Sound level (Cooling/Heating)		dB(A)	50/52	51/53	53/55
Sound power		dB(A)	68	69	71
Operation range	Cooling	°CDB	-5 to 46		
	Heating	°CWB	-20 to 15.5		
Refrigerant	Type		R-410A		
	Charge	kg	4.0		
Piping connections	Liquid	mm	ø9.5 (Flare)		
	Gas		ø15.9 (Flare)		ø19.1 (Brazing)

Note: Specifications are based on the following conditions;
- Cooling: Indoor temp. of 27°CDB, 19.0°CWB, and outdoor temp. of 35.0°CDB.
- Heating: Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.
- Equivalent piping length: 7.5 m
- Level difference: 0 m
- Sound level: Anechoic chamber conversion value, measured at a point 1 m in front of the unit at a height of 1.5 m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.
- Refrigerant charge is required.

OPTION LIST

● INDOOR UNITS ●

Ceiling Mounted Cassette (Round Flow) Type

No.	Item / Type			FXFQ25P	FXFQ32P	FXFQ40P	FXFQ50P	FXFQ63P	FXFQ80P	FXFQ100P	FXFQ125P
1	Decoration panel			BYCP125K-W1							
2	Sealing member of air discharge outlet			KDBH55K160F							
3	Panel spacer			KDBP55H160FA							
4	Filter related	High efficiency filter unit 65%		KAFP556B80						KAFP556B160	
		High efficiency filter unit 90%		KAFP557B80						KAFP557B160	
		Replacement high efficiency filter 65%		KAFP552B80						KAFP552B160	
		Replacement high efficiency filter 90%		KAFP553B80						KAFP553B160	
		Filter chamber		KDDFP55B160							
		Long life replacement filter	Non-woven type	KAFP551K160							
		Ultra long-life filter		KAFP55B160							
		Replacement ultra long-life filter		KAFP55H160H							
5	Fresh air intake kit	Chamber type	Without T shape and fan	KDDP55B160							
			With T shape without fan	KDDP55B160K							
		Direct installation type		KDDP55X160							
6	Branch duct chamber			KDJP55B80						KDJP55B160	
7	Chamber connection kit			KKSJ55KA160							
8	Insulation kit for high humidity			KDTP55K80						KDTP55K160	

Ceiling Mounted Cassette (Compact Multi Flow) Type

No.	Item / Type		FXZQ20M	FXZQ25M	FXZQ32M	FXZQ40M	FXZQ50M
1	Decoration panel		BYFQ60B8W1				
2	Sealing member of air discharge outlet		KDBH44BA60				
3	Panel spacer		KDBQ44BA60A				
4	Replacement long-life filter		KAFQ441BA60				
5	Fresh air intake kit	Direct installation type	KDDQ44XA60				

Ceiling Mounted Cassette (Double Flow) Type

No.	Item / Type		FXCQ20M FXCQ25M FXCQ32M	FXCQ40M	FXCQ50M	FXCQ63M	FXCQ80M	FXCQ125M
1	Decoration Panel		BYBC32G-W1	BYBC50G-W1		BYBC63G-W1	BYBC125G-W1	
2	Filter related	High efficiency filter 65%★1	KAFJ532G36	KAFJ532G56		KAFJ532G80	KAFJ532G160	
		High efficiency filter 90%★1	KAFJ533G36	KAFJ533G56		KAFJ533G80	KAFJ533G160	
		Filter chamber / bottom suction	KDDFJ53G36	KDDFJ53G56		KDDFJ53G80	KDDFJ53G160	
		Long life replacement filter	KAFJ531G36	KAFJ531G56		KAFJ531G80	KAFJ531G160	

Note: ★1 Filter chamber is required if installing high efficiency filter.

Ceiling Mounted Cassette Corner Type

No.	Item / Type		FXKQ25MA	FXKQ32MA	FXKQ40MA	FXKQ63MA
1	Panel related	Decoration panel	BYK45FJW1			BYK71FJW1
		Panel spacer	KPBJ52F56W			KPBJ52F80W
2	Air inlet and air discharge outlet related	Long life replacement filter	KAFJ521F56			KAFJ521F80
		Air discharge grille	K-HV7AW			K-HV9AW
		Air discharge blind panel	KDBJ52F56W			KDBJ52F80W
		Flexible duct (with shutter)	KFDJ52FA56			KFDJ52FA80

Slim Ceiling Mounted Duct Type (700 mm width type)

No.	Item / Type	FXDQ20PB	FXDQ25PB	FXDQ32PB
1	Insulation kit for high humidity	KDT25N32		

Slim Ceiling Mounted Duct Type (900/1,100 mm width type)

No.	Item / Type	FXDQ40NB	FXDQ50NB	FXDQ63NB
1	Insulation kit for high humidity	KDT25N50		KDT25N63

● INDOOR UNITS ●

Ceiling Mounted Built-in Type

No.	Item / Type		FXSYQ20M FXSYQ25M FXSYQ32M	FXSYQ40M FXSYQ50M	FXSYQ63M	FXSYQ80M FXSYQ100M FXSYQ125M
1	Panel related	Decoration panel	BYBS32DJW1	BYBS45DJW1	BYBS71DJW1	BYBS125DJW1
		Access panel	KTBJ25K36W	KTB25KA56W	KTB25KA80W	KTB25KA160W
2	Filter related	High efficiency filter 65% ★1	KAFJ252L36	KAF252LA56	KAF252LA80	KAF252LA160
		High efficiency filter 90% ★1	KAFJ253L36	KAF253LA56	KAF253LA80	KAF253LA160
		Long life replacement filter	KAFJ251K36	KAFJ251K56	KAFJ251K80	KAFJ251K160
		Filter chamber for bottom suction	KAJ25L36D	KAJ25LA56D	KAJ25LA80D	KAJ25LA160D
3	Air inlet related	Air suction canvas	KSA-25K36	KSA-25KA56	KSA-25KA80	KSA-25KA160
		Screening door	KBBJ25K36	KBBJ25KA56	KBBJ25KA80	KBBJ25KA160

Note: ★1 If installing a high efficiency filter in the Ceiling Mounted Built-in type, a filter chamber for bottom suction is required.

Ceiling Concealed (Duct) Type

No.	Item / Type	FXDYQ80MA	FXDYQ100MA	FXDYQ125MA	FXDYQ145MA
1	Run/fault status PCB	KRP1B5X			

Ceiling Mounted Duct Type

No.	Item / Type		FXMQ20P FXMQ25P FXMQ32P	FXMQ40P	FXMQ50P FXMQ63P FXMQ80P	FXMQ100P FXMQ125P FXMQ140P	FXMQ200MA FXMQ250MA
1	Drain pump kit		—				KDU30L250VE
2	High efficiency filter	65%	KAF372AA36	KAF372AA56	KAF372AA80	KAF372AA160	KAFJ372L280
		90%	KAF373AA36	KAF373AA56	KAF373AA80	KAF373AA160	KAFJ373L280
3	Filter chamber		KDDF37AA36	KDDF37AA56	KDDF37AA80	KDDF37AA160	KDJ3705L280
4	Long life replacement filter		KAF371AA36	KAF371AA56	KAF371AA80	KAF371AA160	KAFJ371L280
5	Long life filter chamber kit		KAF375AA36	KAF375AA56	KAF375AA80	KAF375AA160	—
6	Service panel	White	KTBJ25K36W	KTB25KA56W	KTB25KA80W	KTB25KA160W	
		Fresh white	KTBJ25K36F	KTBJ25K56F	KTBJ25K80F	KTBJ25K160F	
		Brown	KTBJ25K36T	KTBJ25K56T	KTBJ25K80T	KTBJ25K160T	
7	Air discharge adaptor		KDAJ25K36A	KDAJ25K56A	KDAJ25K71A	KDAJ25K140A	

Ceiling Suspended Type

No.	Item / Type	FXHQ32MA	FXHQ63MA	FXHQ100MA
1	Drain pump kit	KDU50N60VE	KDU50N125VE	
2	Replacement long-life filter (Resin net)	KAF501DA56	KAF501DA80	KAF501DA112
3	L-type piping kit (for upward direction)	KHFP5MA63	KHFP5MA160	

Wall Mounted Type

No.	Item / Type	FXAQ20MA	FXAQ25MA	FXAQ32MA	FXAQ40MA	FXAQ50MA	FXAQ63MA
1	Drain pump kit	K-KDU572EVE					

Floor Standing Type

No.	Item / Type	FXLQ20MA	FXLQ25MA	FXLQ32MA	FXLQ40MA	FXLQ50MA	FXLQ63MA
1	Long life replacement filter	KAFJ361K28		KAFJ361K45		KAFJ361K71	

OPTION LIST

● INDOOR UNITS ●

Concealed Floor Standing Type

No.	Item \ Type	FXNQ20MA	FXNQ25MA	FXNQ32MA	FXNQ40MA	FXNQ50MA	FXNQ63MA
1	Long life replacement filter	KAFJ361K28		KAFJ361K45		KAFJ361K71	

Ceiling Suspended Cassette Type

No.	Item \ Type	FXUQ71MA	FXUQ100MA	FXUQ125MA
1	Replacement long-life filter	KAF495FA140		
2	Sealing member of air discharge outlet (*1)	KDBH49FA80	KDBH49FA140	
3	Decoration panel for air discharge	KDBT49FA80	KDBT49FA140	
4	Vertical flap kit	KDGJ49FA80	KDGJ49FA140	
5	L-shape piping kit	KHFP49MA140		

Note: (*1): This option is necessary for setting up 2-way (opposing directional) airflow when the air conditioner is installed.

● OUTDOOR UNITS ●

Heat Pump

No.	Item \ Type	RXYMQ4PV4A	RXYMQ5PV4A	RXYMQ6PV4A
1	Cool/Heat selector	KRC19-26A		
1-1	Fixing box	KJB111A		
2	REFNET header	KHRP26M22H (Max. 4 branch)		
		KHRP26M33H (Max. 8 branch)		
3	REFNET joint	KHRP26A22T		
4	Central drain plug	KKPJ5F180		
5	Fixture for preventing overturning	KPT-60B160		
6	Wire fixture for preventing overturning	K-KYZP15C		

● CONTROL SYSTEMS ●

Operation Control System Optional Accessories

No.	Item \ Type		FXFQ-P	FXZQ-M	FXCQ-M	FXKQ-MA	FXDQ-PB FXDQ-NB	FXSYQ-M	FXDYQ-MA	FXMQ-P	FXHQ-MA	FXAQ-MA	FXLQ-MA FXNQ-MA	FXUQ-MA
1	Remote controller	Wireless	BRC7F634F	BRC7E530W	BRC7C62	BRC4C61	BRC4C65	BRC4C62	BRC4C62	BRC4C65	BRC7EA63W	BRC7EA618	BRC4C62	BRC7CA528W
		Wired	BRC1C62											
2	Wired remote controller with weekly schedule timer		BRC1D61											
3	Simplified remote controller (Exposed type)		—				BRC2C51				—		BRC2C51	—
4	Remote controller for hotel use (Concealed type)		—				BRC3A61				—		BRC3A61	—
5	Adaptor for wiring		★KRP1C63	★KRP1BA57	★KRP1B61	KRP1B61	★KRP1B56	KRP1B61	KRP1B61	★KRP1C64	KRP1BA54	—	KRP1B61	—
6-1	Wiring adaptor for electrical appendices (1)		★KRP2A62	★KRP2A62	★KRP2A61	KRP2A61	★KRP2A53	KRP2A61	KRP2A61	★KRP2A61	★KRP2A62	★KRP2A61	KRP2A61	★KRP2A62
6-2	Wiring adaptor for electrical appendices (2)		★KRP4AA53	★KRP4AA53	★KRP4AA51	KRP4AA51	★KRP4A54	KRP4AA51	KRP4AA51	★KRP4AA51	★KRP4AA52	★KRP4AA51	KRP4AA51	★KRP4AA53
7	Remote sensor (for indoor temperature)		KRCS01-4B	KRCS01-1B						KRCS01-4B	KRCS01-1B			
8	Installation box for adaptor PCB☆		Note 2,3 KRP1H98	Note 4,6 KRP1BA101	Note 2,3 KRP1B96	—	Note 4,6 KRP1BA101	Note 5 KRP4A91	—	Note 2,3 KRP4A96	Note 3 KRP1CA93	Note 2,3 KRP4AA93	—	KRP1BA97
9	External control adaptor for outdoor unit		★DTA104A62		★DTA104A61	DTA104A61	★DTA104A53	DTA104A61		★DTA104A61	★DTA104A62	★DTA104A61	DTA104A61	—
10	Adaptor for multi tenant		DTA114A61	—						DTA114A61	—	DTA114A61	—	

Note: 1. Installation box ☆ is necessary for each adaptor marked ★.
2. Up to 2 adaptors can be fixed for each installation box.
3. Only one installation box can be installed for each indoor unit.
4. Up to 2 installation boxes can be installed for each indoor unit.
5. Installation box ☆ is necessary for second adaptor.
6. Installation box ☆ is necessary for each adaptor.

● CONTROL SYSTEMS ●

System Configuration

No.	Item		Model No.	Function
1	Residential central remote controller		Note 3 DCS303A51	•Up to 16 groups of indoor units (128 units) can be easily controlled using the large LCD panel. ON/OFF, temperature settings and scheduling can be controlled individually for indoor units.
2	Central remote controller		Note 2 DCS302CA61	•Up to 64 groups of indoor units(128 units) can be connected, and ON/OFF, temperature setting and monitoring can be accomplished individually or simultaneously. Connectable up to 2 controllers in one system.
2-1	Electrical box with earth terminal (3 blocks)		KJB311AA	
3	Unified ON/OFF controller		Note 2 DCS301BA61	•Up to 16 groups of indoor units(128 units) can be turned, ON/OFF individually or simultaneously, and operation and malfunction can be displayed. Can be used in combination with up to 8 controllers.
3-1	Electrical box with earth terminal (2 blocks)		KJB212AA	
3-2	Noise filter (for electromagnetic interface use only)		KEK26-1A	
4	Schedule timer		Note 2 DST301BA61	•Programmed time weekly schedule can be controlled by unified control for up to 64 groups of indoor units (128 units). Can turn units ON/OFF twice per day.
5	Interface adaptor for SkyAir-series	For SkyAir, FD(Y)M-FA, FDY-KA FDYB-KA, FVY(P)J-A, FXUQ-MA	★ DTA102A52	•Adaptors required to connect products other than those of the VRV System to the high-speed DIII-NET communication system adopted for the VRV System.
6	Central control adaptor kit	For UAT(Y)-K(A),FD-K	★ DTA107A55	* To use any of the above optional controllers, an appropriate adaptor must be installed on the product unit to be controlled.
7	Wiring adaptor for other air-conditioner		★ DTA103A51	
8	DIII-NET Expander Adaptor		DTA109A51	•Up to 1024 units can be centrally controlled in 64 different groups. •Wiring restrictions (max. length: 1,000m, total wiring length: 2,000m, max. number of branches: 16) apply to each adaptor.
8-1	Mounting plate		KRP4A92	•Fixing plate for DTA109A51

Notes: 1. Installation box for ★adaptor must be obtained locally.
2. For FXUQ-MAV1, an interface adaptor (DTA102A52) for the SkyAir series is necessary.
3. For residential use only. Cannot be used with other centralised control equipment.

Building Management System

No.	Item					Model No.	Function
1	intelligent Touch Controller	Basic	Hardware	intelligent Touch Controller		DCS601C51	•Air-Conditioning management system that can be controlled by a compact all-in-one unit.
1-1	intelligent Touch Controller	Option	Hardware	DIII-NET plus adaptor		DCS601A52	•Additional 64 groups (10 outdoor units) is possible.
1-2	intelligent Touch Controller	Option	Software	PPD		DCS002C51	•PPD: Power Proportional Distribution function
1-3	intelligent Touch Controller	Option	Software	Web		DCS004A51	•Monitors and controls the air conditioning system using the Internet and a Web browser application on a PC.
1-4	Electrical box with earth terminal (4 blocks)					KJB411A	•Wall embedded switch box.
2	intelligent Manager III	Basic	Hardware	Number of units to be connected	128 units	DAM602B52	•Air conditioner management system that can be controlled by personal computers.
					256 units	DAM602B51	
					512 units	DAM602B51×2	
					768 units	DAM602B51×3	
					1024 units	DAM602B51×4	
2-1	intelligent Manager III	Option	Software		PPD	DAM002A51	•Power Proportional Distribution function
2-2	intelligent Manager III	Option	Software		Web	DAM004A51	•Monitors and controls the air conditioning system using the Internet and a Web browser application on a PC.
2-3	intelligent Manager III	Option	Software		ECONO	DAM003A51	•ECONO (Energy saving functions.)
2-4	Optional DIII Ai unit					DAM101A51	•External temperature sensor for intelligent Manager III.
2-5	Di unit					DEC101A51	•8 pairs based on a pair of On/Off input and abnormality input.
2-6	Dio unit					DEC102A51	•4 pairs based on a pair of On/Off input and abnormality input.
3	Communication line	*1 Interface for use in BACnet®				DMS502B51	•Interface unit to allow communications between VRV and BMS. Operation and monitoring of air-conditioning systems through BACnet® communication.
3-1	Communication line	Optional DIII board				DAM411B51	•Expansion kit, installed on DMS502B51, to provide 2 more DIII-NET communication ports. Not usable independently.
3-2	Communication line	Optional Di board				DAM412B51	•Expansion kit, installed on DMS502B51, to provide 16 more wattmeter pulse input points. Not usable independently.
4	Communication line	*2 Interface for use in LonWorks®				DMS504B51	•Interface unit to allow communications between VRV and BMS. Operation and monitoring of air-conditioning systems through LonWorks® communication.
5	Contact/analogue signal	Parallel interface Basic unit				DPF201A51	•Enables ON/OFF command, operation and display of malfunction; can be used in combination with up to 4 units.
6	Contact/analogue signal	Parallel interface Temperature measurement units				DPF201A52	•Enables temperature measurement output for 4 groups; 0-5VDC.
7	Contact/analogue signal	Parallel interface Temperature setting units				DPF201A53	•Enables temperature setting input for 16 groups; 0-5VDC.
8	Contact/analogue signal	Unification adaptor for computerised control				★ DCS302A52	•Interface between the central monitoring board and central control units.

Note : *1. BACnet® is a registered trademark of American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE).
*2. LonWorks® is a registered trade mark of Echelon Corporation.
*3. Installation box for ★adaptor must be obtained locally.