



Warning



- 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.



PCVAU1515

VRF IV S SERIES



For residential and commercial use

R-410A

Heat Pump 50 Hz

Engineered for Flexibility

First launched in Japan in 1982, the Daikin VRV system has been embraced by world markets for over 30 years. Now, Daikin proudly introduces the new VRV IV S series—the ideal air conditioning system for homes, shops and offices.

VRV IV S SERIES

VRV indoor units combine with residential indoor units, all in one system.



* VRV is a trademark of Daikin Industries, Ltd.

Contents

- Main Features P03
- Indoor Unit Lineup P09
- Specifications P39
- Option List P53
- Control Systems P59
- Air Treatment Equipment Lineup P71

OFFICES



SHOPS



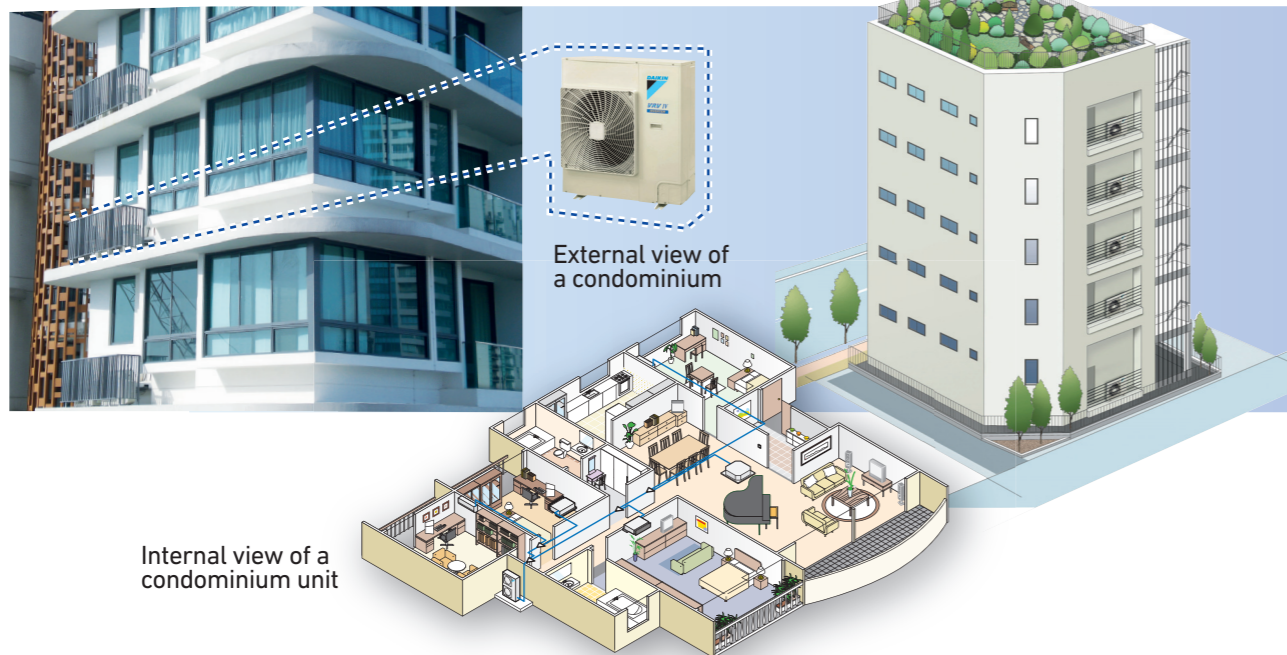
HOMES



Main Features

Compact & lightweight design

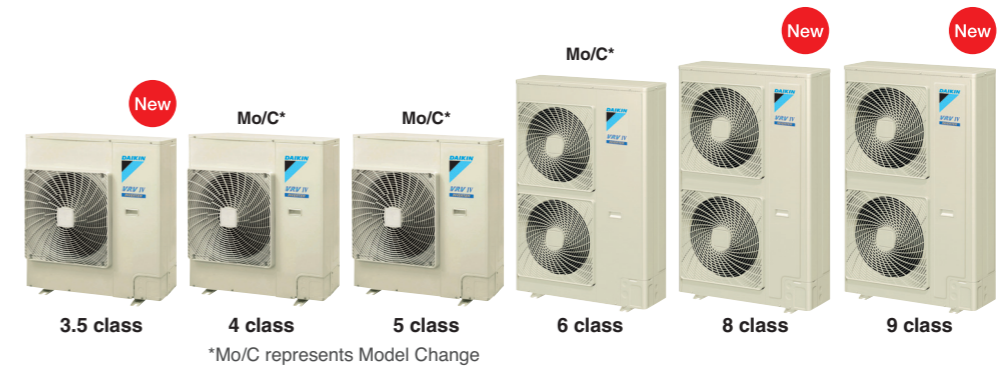
The new design has been optimised for the VRV IV S series, with the height of 3.5 class to 5 class models reduced to only 990 mm. This design gives the building a sleek look externally and provides the occupants with a clear, unobstructed view of the scenery. The VRV IV S series is now slim and compact, with outdoor units that require minimal installation space.



Enhanced lineup

To suit a variety of room sizes, VRV IV S series expands our range to include 3.5 class, 8 class and 9 class.

VRV IV S SERIES



Lineup

Model Name	RXYMQ3AV4A	RXYMQ4AV4A	RXYMQ5AV4A	RXYMQ6AV4A	RXYMQ8AY1	RXYMQ9AY1
Power Supply	1-phase, 230–240 V, 50 Hz				3-phase, 380–415 V, 50 Hz	
Capacity Range	3.5 class (9.0 kW)	4 class (11.2 kW)	5 class (14.0 kW)	6 class (16.0 kW)	8 class (22.4 kW)	9 class (24.0 kW)
Capacity Index	80	100	125	150	200	215

6 models

Wide variety of indoor units

Indoor units can be selected from 2 lineups, both VRV and residential indoor units, to match rooms and preferences. A mixed combination of VRV indoor units and residential indoor units can be included into one system, opening the door to stylish and quiet indoor units.

Elegant appearance with European style



New CTXG-P series indoor unit

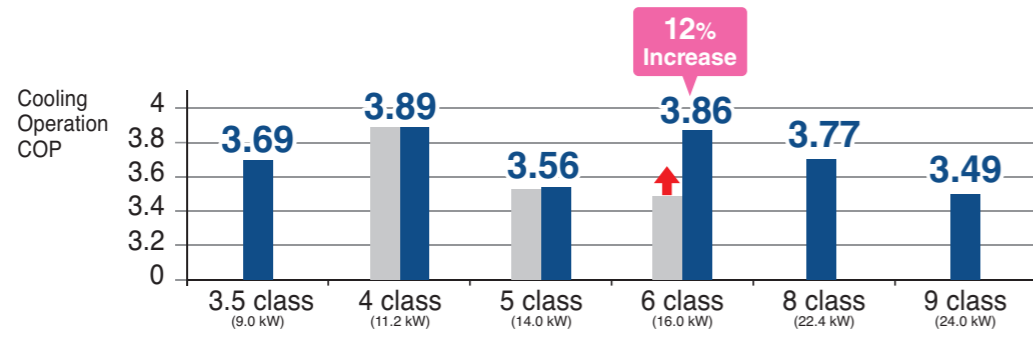


Main Features

Energy saving

Higher Coefficient of Performance (COP)

VRV IV S series provides greater energy saving as compared to VRV III S series, especially for 6 class.



*Cooling operation conditions: Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB.

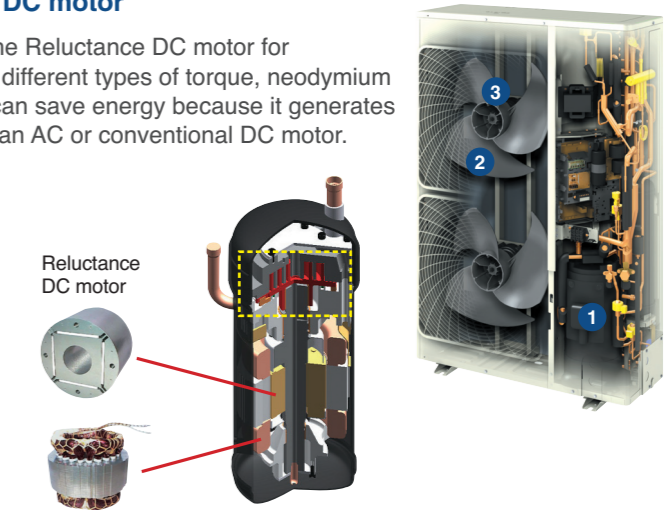
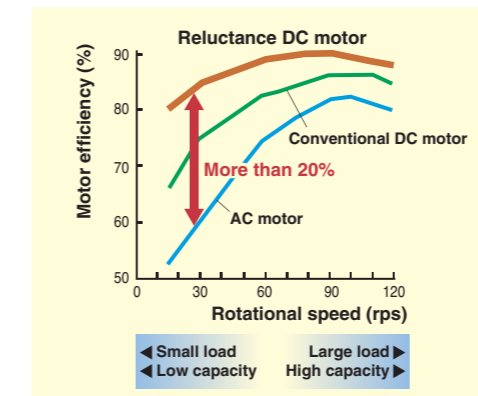
VRV III S
VRV IV S SERIES

Collection of cutting-edge technologies realises efficient and quiet operation

The high efficiency compressor to achieve a higher COP

1 Compressor equipped with Reluctance DC motor

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



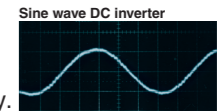
Note: Data are based on studies conducted under controlled conditions at a Daikin laboratory using Daikin products.

*1 A neodymium magnet is approximately 10 times stronger than a standard ferrite magnet.

*2 The torque created by the change in power between the iron and magnet parts.

>> Smooth sine wave DC inverter

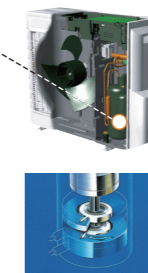
Use of an optimised sine wave smoothes motor rotation, further improving operating efficiency.



RXYMQ3, 4, 5, 6AV4A

>> Swing compressor

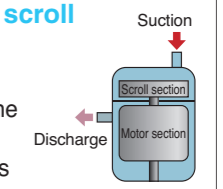
Daikin swing compressor has integrated the rotor with the blade, completely solving the refrigerant leakage and the wear problem caused by the mechanical friction between the rotor and the blade, which enhances the compressor efficiency and makes the compressor more quiet and durable.



RXYMQ8, 9AY1

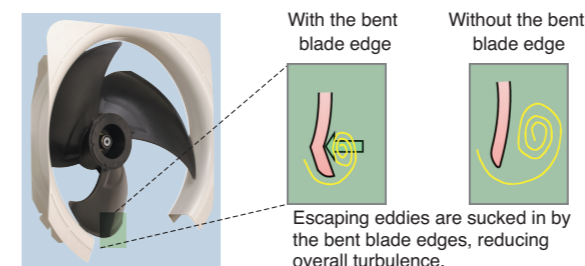
>> The structural scroll

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.



2 Smooth Air Inlet Bell Mouth and Aero Spiral Fan

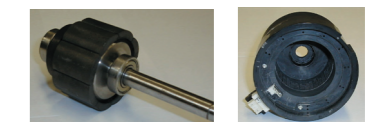
These two features work to reduce sound. Guides are added to the bell mouth intake to reduce turbulence in the airflow generated by fan suction. The Aero Spiral Fan features fan blades with the bent blade edges, further reducing turbulence.



3 DC fan motor

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

DC fan motor structure



Quiet operation

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 49 dB(A) (Step 1), 46 dB(A) (Step 2) and 43 dB(A) (Step 3).*3

Mode 2. Manual mode

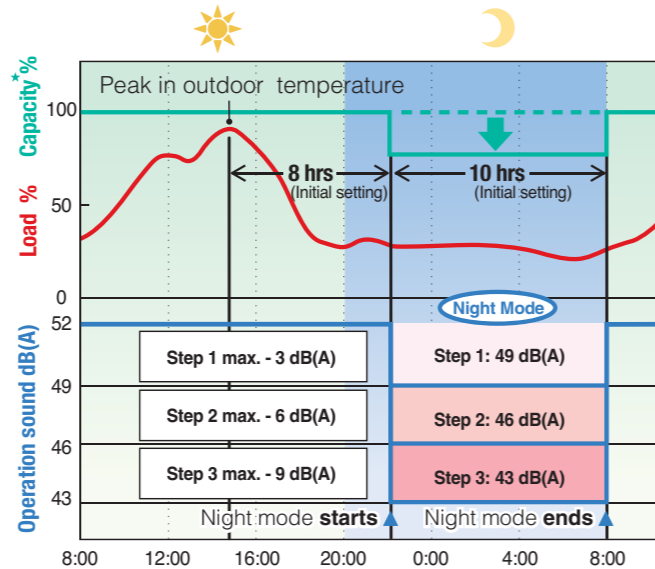
Starting time and ending time can be input. (An external control adaptor for outdoor unit, DTA104A53/61/62, and a locally obtained timer are necessary.)

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.
*3. In case of 4 class outdoor unit during cooling operation

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.

Main Features

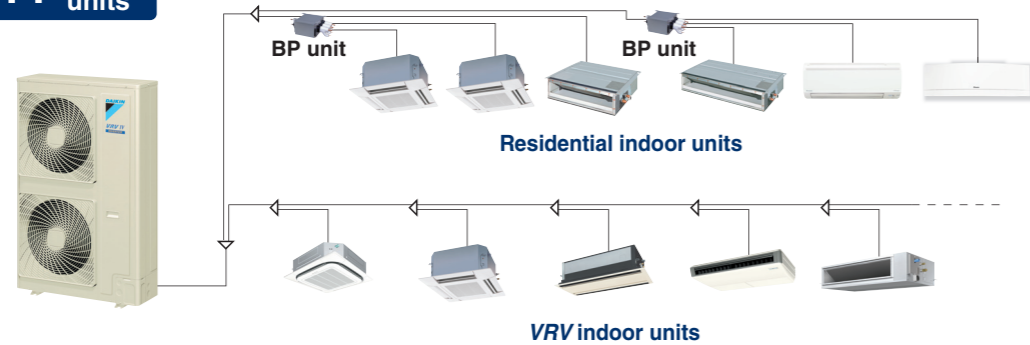
Design flexibility and simplified installation

Connectable up to 14 indoor units

As many as 14 indoor units can be connected to a single outdoor unit, making the VRV IV S series a remarkably versatile system.

Note: Total capacity index of connectable indoor units must be 50-130% of the capacity index of the outdoor unit. Refer to page 51 for the maximum number of connectable indoor unit.

Max. 14 indoor units



Automatic test operation

Simply press the test operation button and the unit performs an automatic system check, including wiring, stop valves, piping, and refrigerant charging amount. The results are returned automatically after the check finishes.

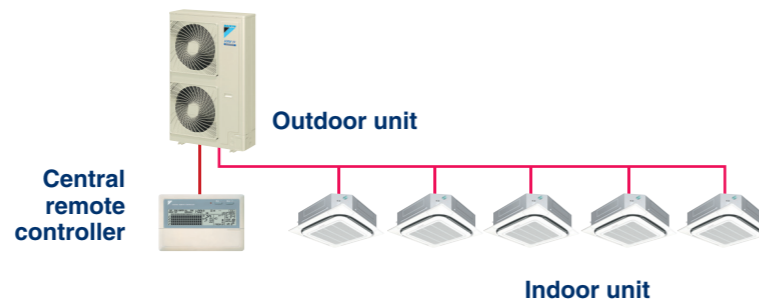
Simple wiring and piping connection

Unique piping and wiring systems make it possible to install a VRV IV S series quickly and easily.

>> Super wiring system

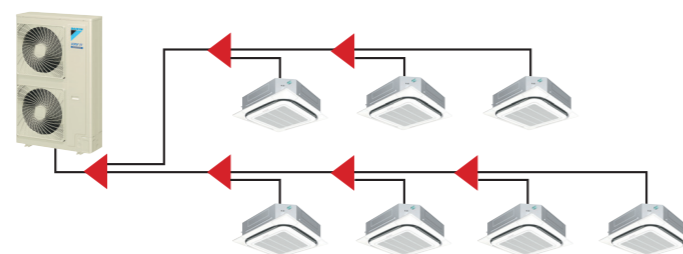
A super wiring system is used to enable shared use of the wiring between indoor and outdoor units and the central control wiring, with a relatively simple wiring operation.

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.



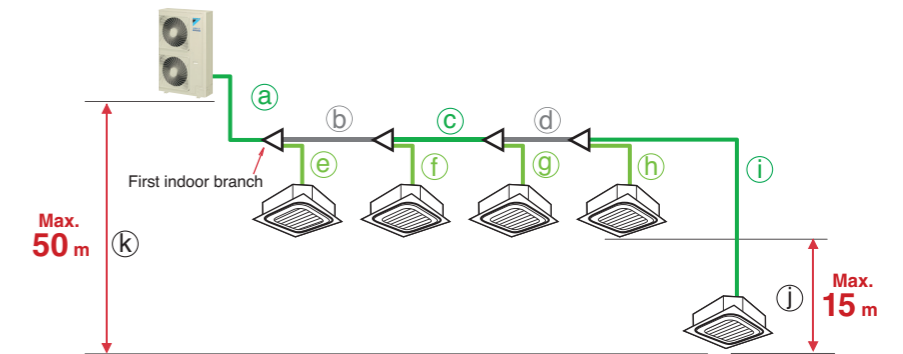
Long piping design possible

Long piping length offers flexibility in the choice of installation positions, and simplifies system planning.

When only VRV indoor units are connected

Actual piping length
Max. 120 m

Total piping length
Max. 300 m

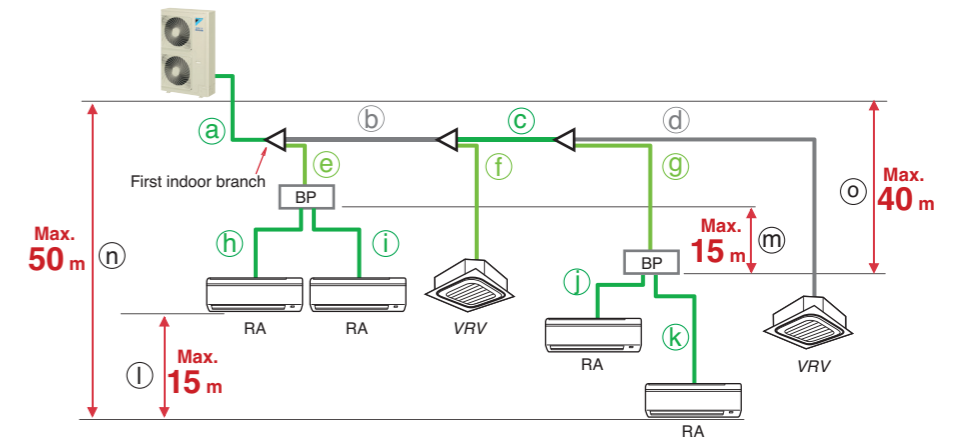


		3.5,4 class	5 class	6 class	8,9 class
Max. allowable piping length	Refrigerant piping length	a+b+c+d+i			
	Total piping length	50 m	70 m	120 m	100 m
	Between the first indoor branch and the farthest indoor unit	b+c+d+i			
Max. allowable level difference	Between the indoor units	j			
	Between the outdoor unit and the indoor unit	k			
		10 m	15 m	15 m	15 m
		If the outdoor unit is above	30 m	30 m	50 m
		If the outdoor unit is below	30 m	30 m	40 m

When a mixed combination of VRV and residential indoor units is connected or when only residential indoor units are connected

Actual piping length
Max. 100 m

Total piping length
Max. 250 m



		3.5,4 class	5 class	6-9 class
Max. allowable piping length	Refrigerant piping length	a+b+c+g+k, a+b+c+d		
	Total piping length	50 m	70 m	100 m
	The first indoor branch - the farthest BP or VRV indoor unit	b+c+g, b+c+d		
Max. & min. allowable piping length	BP unit - indoor unit	h, i, j, k		
		If indoor unit capacity index < 60	2 m-15 m	2 m-15 m
		If indoor unit capacity index is 60	2 m-12 m	2 m-12 m
	If indoor unit capacity index is 71	2 m-8 m	2 m-8 m	
Min. allowable piping length	Outdoor unit - the first indoor branch	a		
Max. allowable level difference	Between the indoor units	l		
	Between BP units	m		
	Outdoor unit - the indoor unit	n		
		If the outdoor unit is above	10 m	15 m
		If the outdoor unit is below	30 m	30 m
	Outdoor unit - the BP unit	o		
		30 m	30 m	40 m

Indoor Unit Lineup

Enhanced range of choices

A mixed combination of VRV indoor units and residential indoor units can be included into one system, opening the door to stylish and quiet indoor units.

VRV indoor units

17 types 96 models

Type	Model Name	Capacity Range(kW)														
		20	25	32	40	50	63	71	80	100	125	140	145	180	200	250
		Capacity Index														
		20	25	31.25	40	50	62.5	71	80	100	125	140	145	180	200	250
Ceiling Mounted Cassette(Round Flow with Sensing)	FXFQ-SVM		●	●	●	●	●		●	●	●					
Ceiling Mounted Cassette(Round Flow)	FXFQ-PVE		●	●	●	●	●		●	●	●					
Ceiling Mounted Cassette(Compact Multi Flow)	FXZQ-MVE	●	●	●	●	●										
4-Way Flow Ceiling Suspended	FXUQ-AVEB							●		●						
Ceiling Mounted Cassette(Double Flow)	FXCQ-MVE	●	●	●	●	●	●		●		●					
Ceiling Mounted Cassette Corner	FXKQ-MAVE		●	●	●		●									
Slim Ceiling Mounted Duct(Standard Series)	FXDQ-PBVE (700 mm width type)	●	●	●												
	FXDQ-NBVE (900/1,100 mm width type)				●	●	●									
Slim Ceiling Mounted Duct(Compact Series)	New FXDQ-SPV1	New	New	New	New	New	New									
Ceiling Mounted Built-in	FXSYQ-MVE	●	●	●	●	●	●		●	●	●					
Ceiling Concealed(Duct)	FXDYQ-M(A)V1								●	●	●		●	●	●	
Ceiling Mounted Duct	FXMQ-PVE	●	●	●	●	●	●		●	●	●	●				
	FXMQ-MAVE													●	●	
Ceiling Suspended	FXHQ-MAVE			●			●			●						
Wall Mounted	FXAQ-PVE	●	●	●	●	●	●									
Floor Standing	FXLQ-MAVE	●	●	●	●	●	●									
Concealed Floor Standing	FXNQ-MAVE	●	●	●	●	●	●									

Residential indoor units with connection to BP units

13 types 38 models

Type	Model Name	Rated Capacity (kW)						
		2.0	2.5	3.5	5.0	6.0	7.1	
		Capacity Index						
		20	25	35	50	60	71	
Ceiling Mounted Cassette	FCQ-BVE			●	●	●	●	
Ceiling Mounted Cassette(Compact Multi Flow)	FFQ-BV1B		●	●	●	●		
Ceiling Mounted Built-in	FBQ-BV1					●	●	
Ceiling Suspended	FHQ-BVV1B			●	●	●		
Slim Ceiling Mounted Duct	CDXS-EAVMA (700 mm width type)		●	●				
	FDXS-CVMA (900/1,100 mm width type)		●	●	●	●		
Wall Mounted	New CTXG-PVMAW		New	New	New			
	New CTXG-PVMAS		New	New	New			
Wall Mounted	FTXS-KVMA	●	●	●				
	FTXS-KAVMA				●	●	●	
Floor Standing	FVXS-KV1A		●	●	●			
Floor/Ceiling Suspended Dual	FLXS-BVMA		●					
	FLXS-GVMA			●	●	●		

VRV indoor units combine with residential indoor units, all in one system.



*Refer to page 51 for the maximum number of connectable indoor units.

Indoor Unit Lineup

Daikin offers a wide range of indoor units including both VRF and residential models which respond to the variety of needs of our customers that require air conditioning solutions.

VRF indoor units

Ceiling Mounted Cassette (Round Flow with Sensing) Type

FXFQ-S

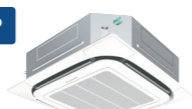


Presence of people and floor temperature can be detected to provide comfort and energy savings



Ceiling Mounted Cassette (Round Flow) Type

FXFQ-P



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



Ceiling Mounted Cassette (Compact Multi Flow) Type

FXZQ-M



Quiet, compact, and designed for user comfort



4-Way Flow Ceiling Suspended Type

FXUQ-A



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



Ceiling Mounted Cassette (Double Flow) Type

FXCQ-M



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



Ceiling Mounted Cassette Corner Type

FXKQ-MA



Slim design for flexible installation



Slim Ceiling Mounted Duct Type (Standard Series)

FXDQ-PB

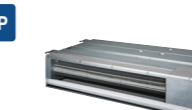


Slim design, quietness and static pressure switching



Slim Ceiling Mounted Duct Type (Compact Series)

New FXDQ-SP



Slim and compact design for easy and flexible installation



Ceiling Mounted Built-in Type

FXSYQ-M

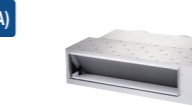


Highly flexible for various application



Ceiling Concealed (Duct) Type

FXDYQ-M(A)



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



Ceiling Mounted Duct Type

FXMQ-P



FXMQ-MA



High external static pressure allows flexible installations

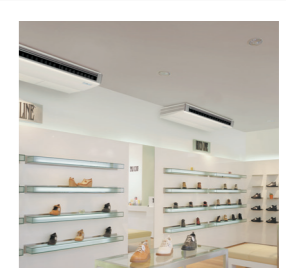


Ceiling Suspended Type

FXHQ-MA



Slim body with quiet and wide airflow



Wall Mounted Type

FXAQ-P



Stylish flat panel design harmonised with your interior décor



Floor Standing Type

FXLQ-MA



Concealed Floor Standing Type

FXNQ-MA



Suitable for perimeter zone air conditioning



Residential indoor units with connection to BP units

Ceiling Mounted Cassette Type

FCQ-B



Specially designed for false ceilings – for a smooth, modern interior finish



Ceiling Mounted Cassette (Compact Multi Flow) Type

FFQ-B

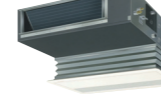


Quiet, compact, and designed for user comfort



Ceiling Mounted Built-in Type

FBQ-B



Flexible air discharge unit to fit various forms of space



Ceiling Suspended Type

FHQ-BV



Slim body with quiet and wide airflow

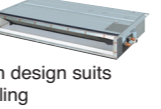


Slim Ceiling Mounted Duct Type

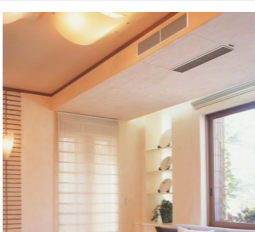
CDXS-EA



FDXS-C



Slim and smooth design suits your shallow ceiling



Wall Mounted Type

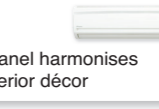
New CTXG-P



FTXS-K



FTXS-KA



Stylish flat panel harmonises with your interior décor

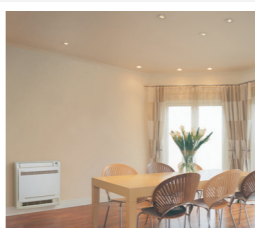


Floor Standing Type

FVXS-K



Dual discharges to evenly distribute air across the whole room



Floor/Ceiling Suspended Dual Type

FLXS-B



FLXS-G



Floor/ceiling dual use maximises free space



Indoor Unit Lineup

VRV Indoor Units

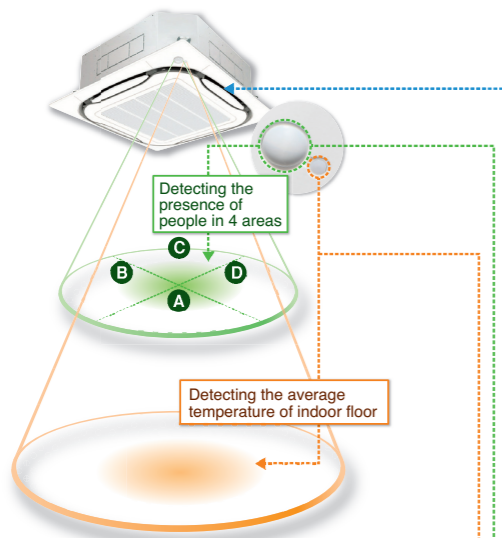
Ceiling Mounted Cassette (Round Flow with Sensing) Type

FXFQ25S / FXFQ32S / FXFQ40S
FXFQ50S / FXFQ63S / FXFQ80S
FXFQ100S / FXFQ125S

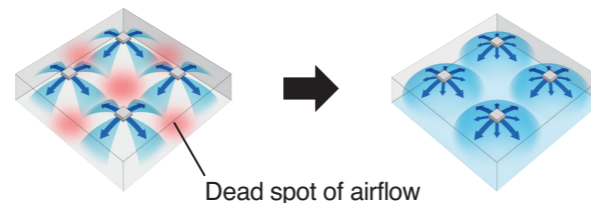


Round flow with sensing

Presence of people and floor temperature can be detected to provide comfort and energy savings



- Indoor unit offers 360° airflow discharges air in all directions with more uniform temperature distribution.

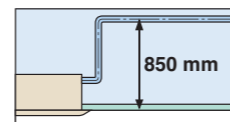


- Improved energy efficiency thanks to a new heat exchanger with smaller tubes, DC fan motor, and DC drain pump motor.

- Low operation sound level

FXFQ-S	25/32	40	50	63	80	100	125
Sound level (H/M/L)	30/28.5/27	31/29/27	36/32/28	38/33/28	38/35/31	44/38/32	45/40/35

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



- Selectable airflow rate: 3 steps and Auto. (Auto airflow rate is available when BRC1E62 is used.)

Individual airflow direction control

Thanks to the individual airflow direction control function, airflow direction can be individually adjusted for each air discharge outlet to prevent uncomfortable drafts and to deliver optimal air distribution.

Infrared presence sensor

The sensor detects human presence and adjusts the airflow direction automatically to prevent drafts.

Ceiling height	2.7m	3.5m	4.0m
Detection range (diameter)*1	approx. 8.5m	approx. 11.5m	approx. 13.5m

*1. The infrared presence sensor detects 80 cm above the floor.

Infrared floor sensor

The sensor detects the floor temperature and automatically adjusts operation of the indoor unit to reduce the temperature difference between the ceiling and the floor.

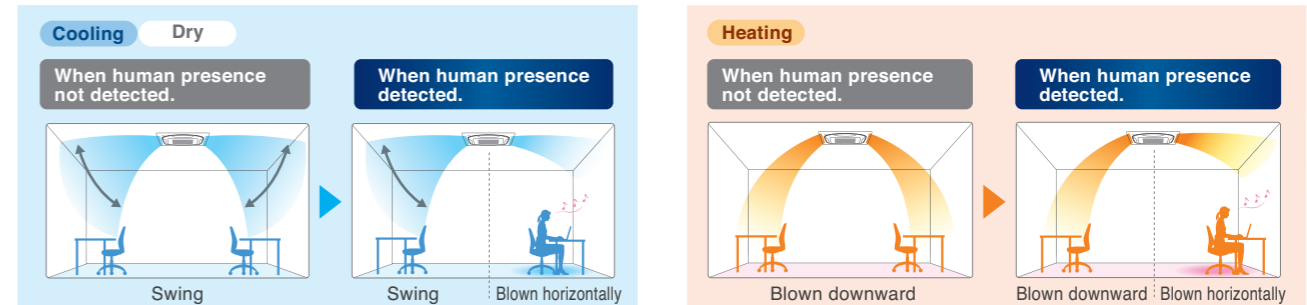
Ceiling height	2.7m	3.5m	4.0m
Detection range (diameter)*2	approx. 11m	approx. 14m	approx. 16m

*2. The infrared floor sensor detects at the floor surface.

Sensing function

Draft prevention function (default: OFF) *1. 2

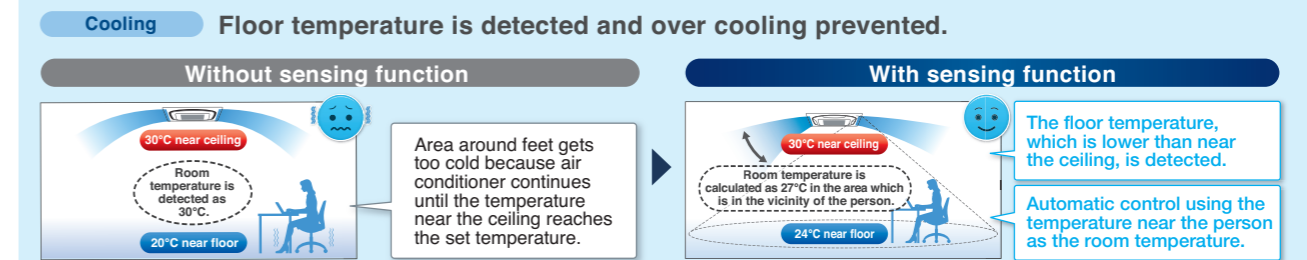
Auto airflow direction mode



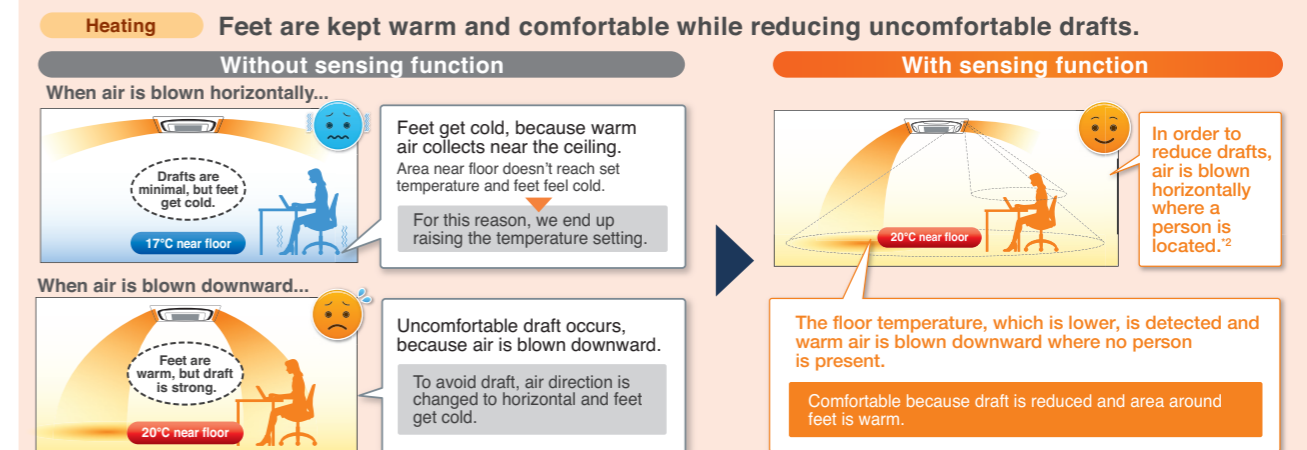
- With the Auto airflow direction mode, flaps are controlled to deliver optimal air distribution for both cooling and heating operations when there are no people.
- When a person is detected, drafts are prevented by making the flap horizontal.
- When a person is not detected for 5 minutes, the unit automatically returns to controlling the flaps for an unoccupied room. *1. Airflow direction should be set to Auto. *2. Draft prevention function is OFF in the initial setting. It can be set ON using the remote controller.

Comfort and Energy saving preventing over Cooling / Heating *1. 2

Auto airflow direction mode + Auto airflow rate mode



Energy savings The temperature near the person is automatically calculated by detecting the temperature of the floor. Energy is saved, because the area around the feet does not get too cold.



Energy savings The tendency of people to raise the temperature too much is prevented, because you are warmed up from the feet.

To increase comfort, Auto airflow rate mode controls the airflow in accordance with the difference between floor and ceiling temperatures.

When there is a large difference between the ceiling and floor temperatures, the airflow rate is automatically increased. When the difference becomes small, the airflow rate is automatically reduced.

*1. Both airflow direction and airflow rate should be set to Auto. *2. Draft prevention function is set OFF in the initial setting.

Indoor Unit Lineup

VRV Indoor Units

Ceiling Mounted Cassette (Round Flow with Sensing) Type

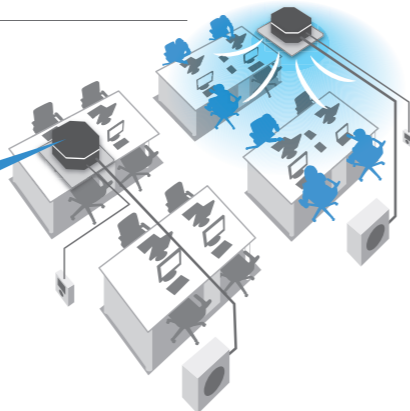
Sensing sensor mode*1,2

Sensing sensor low mode (default: OFF)

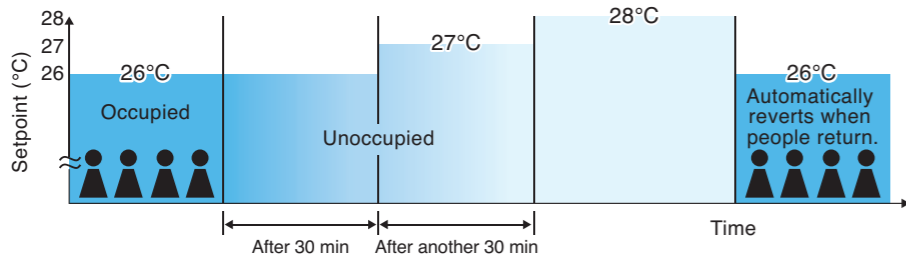
When there are no people in a room, the set temperature is shifted automatically.

The system automatically saves energy by detecting whether or not the room is occupied. The set temperature is shifted automatically if the room is unoccupied.

Operation is reduced in places where there are no people.

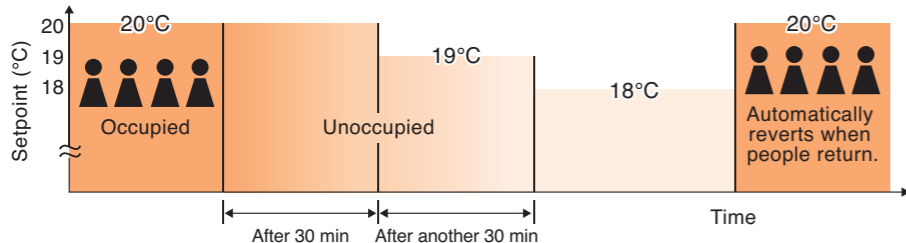


Example • Cooling setpoint: 26°C • Shift temperature: 1.0°C
• Shift time: 30 min. • Limit cooling temperature: 30°C



If people do not return, the air conditioner will raise the temperature 1°C every 30 minutes and then operate at 30°C.

Example • Heating setpoint: 20°C • Shift temperature: 1.0°C
• Shift time: 30 min. • Limit heating temperature: 16°C



If people do not return, the air conditioner will lower the temperature 1°C every 30 minutes and then operate at 16°C.

Shift temperature and time can be selected from 0.5 to 4°C in 0.5°C increments and 15, 30, 45, 60, 90 or 120 minutes respectively with remote controller.

Sensing sensor stop mode (default: OFF)

When there are no people in a room, the system stops automatically.*3

The system automatically saves energy by detecting whether or not the room is occupied. Based on preset user conditions, the system automatically stops operation if the room is unoccupied.

Absent stop time can be selected from 1 to 24 hrs in 1 hr increments with remote controller.



*1. These functions are not available when using the group control system.
*2. User can set these functions with remote controller.
*3. Please note that upon re-entering the room, air conditioner will not switch on automatically.

Individual airflow direction control

Individual airflow setting

Airflow direction of each of the four air outlets can be controlled individually. (Positions 0 to 4, Swing, Blocked, and No individual setting are selectable.)

Example

Individual setting list		
Unit	Outletmark	Air direc. Indiv.
	<input type="checkbox"/>	blocked ON
	<input type="checkbox"/>	Auto OFF
	<input type="checkbox"/>	Position 2 ON
	<input type="checkbox"/>	Swing ON
	<input type="checkbox"/>	Return

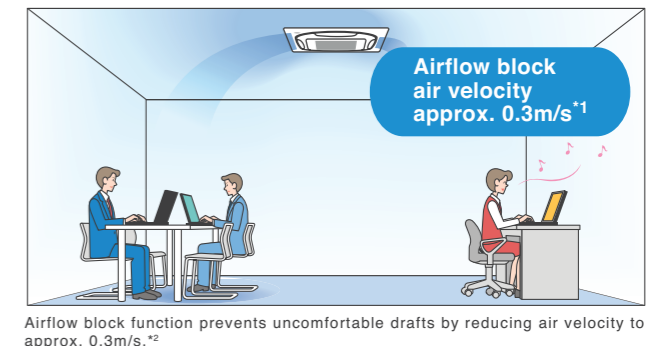
Outlet mark

Airflow block function*1

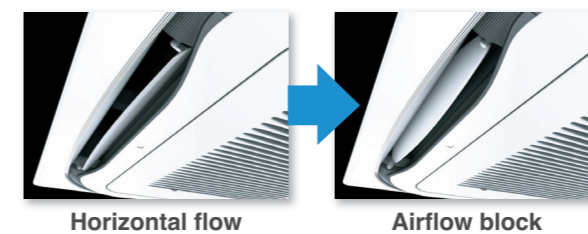
Total comfort by individual airflow direction control and "airflow block function"

The system automatically saves energy by detecting whether or not the room is occupied. The set temperature is shifted automatically if the room is unoccupied.

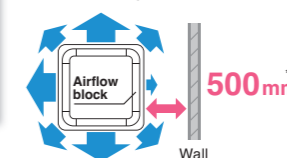
- Airflow block function prevents uncomfortable drafts by reducing air velocity. It can be set using the BRC1E62 remote controller. There is no need for sealing material of air discharge outlet (option).
- This function only works when all-round flow is used. It cannot be used when sealing material is used in the air discharge outlet (option).



Easy setup with remote controller



The airflow block function is useful when rearranging the room layout.



*1. Works in one direction only.
*2. In case of FxFQ63S type (Data is based on Daikin research.) When using FxFQ80S type or higher, if the airflow rate is set to High, airflow will be on the high side. Under actual conditions, however, the airflow value may differ depending on the effect of surrounding conditions and the way in which the temperature was adjusted.
*3. A gap of 1500 mm is required if the air block function is not used.

Indoor Unit Lineup

VRV Indoor Units

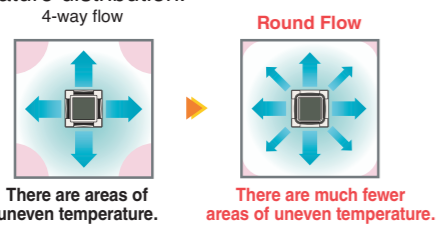
Ceiling Mounted Cassette (Round Flow) Type

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



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

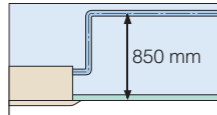
- The industry's first* Round Flow Ceiling Mounted Cassette type offers 360° airflow with improved temperature distribution.



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

- The light weight unit at 19.5 kg for FXFQ25-50P models makes installation easy.

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



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



- Control of the airflow rate can be selected from 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

- Example of airflow patterns:

All-round flow is available, as well as 2-way 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 material (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

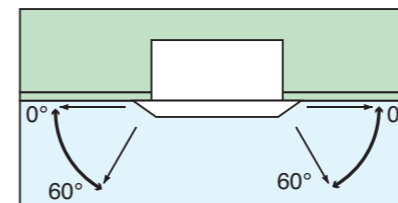
FXZQ-M	20/25	32	40	50
Sound level (H/L)	32/26	34/28	37/29	42/35

(240 V)(dB(A))

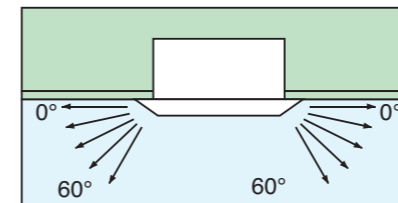
- Comfortable airflow

- 1 Wide discharge angle: 0° to 60°

- Auto swing

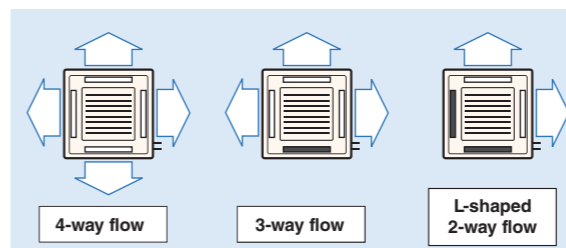


- Fixed angles: 5 levels



*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°).

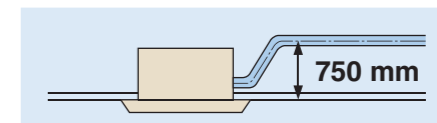
- 2 2-, 3-, and 4-way airflow patterns are available, enabling installation in the corner of a room.



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



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



Indoor Unit Lineup

VRV Indoor Units

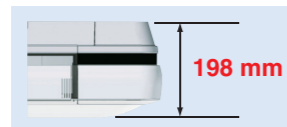
4-Way Flow Ceiling Suspended Type

FXUQ71A / FXUQ100A

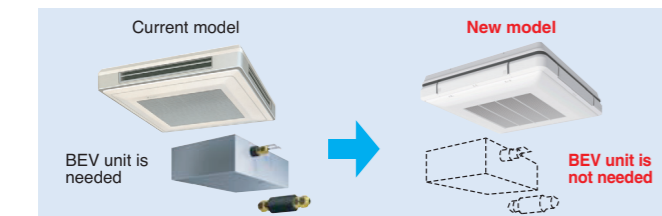


This slim and stylish indoor unit achieves optimum air distribution, and can be installed without the need for ceiling cavity.

- Unit body and suction panel adopted round shapes and realised a slim appearance design. The unit can be used for various locations such as the ceilings with no cavity and bare ceilings.
- Flaps close automatically when the unit stops, which gives a simple appearance.
- Unified slim height of 198 mm for all models that gives the unified impression even when models with different capacities are installed in the same area.
- Built-in electronic expansion valve eliminates the need for a BEV unit, which improves flexibility of installation.

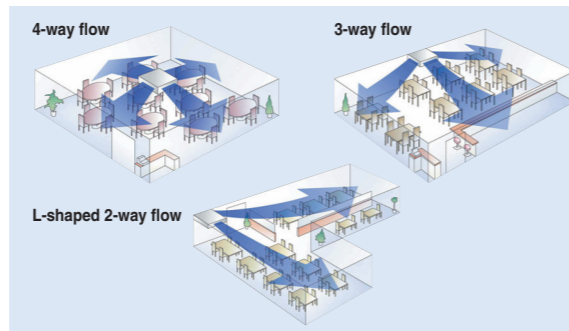
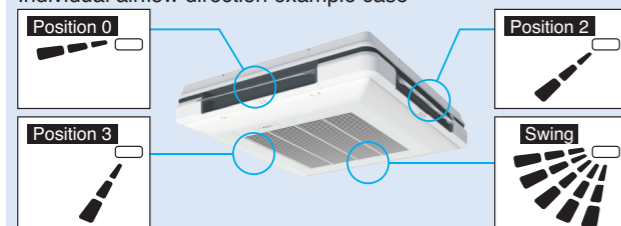


- Control of the airflow rate has been improved from 2-step to 3-step control. Auto airflow rate control can be selected with wired remote controller BRC1E62.
- Energy efficiency has been improved thanks to the adoption of a new heat exchanger with smaller tubes, DC fan motor and DC drain pump motor.
- Drain pump is equipped as a standard accessory, and the lift height has been improved from 500 mm to 600 mm.
- Depending on installation site requirements or room conditions, 2-way, 3-way and 4-way discharge patterns are available.



- With adoption of the individual flap control, airflow direction adjustment can be individually set for each air outlet. 5 directions of airflow and auto-swing can be selected with wired remote controller BRC1E62, which realises the optimum air distribution.

Individual airflow direction example case



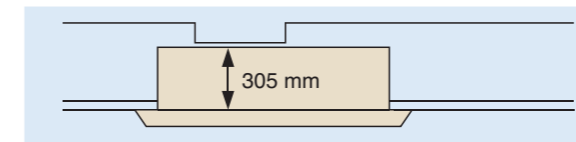
Ceiling Mounted Cassette (Double Flow) Type

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



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

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

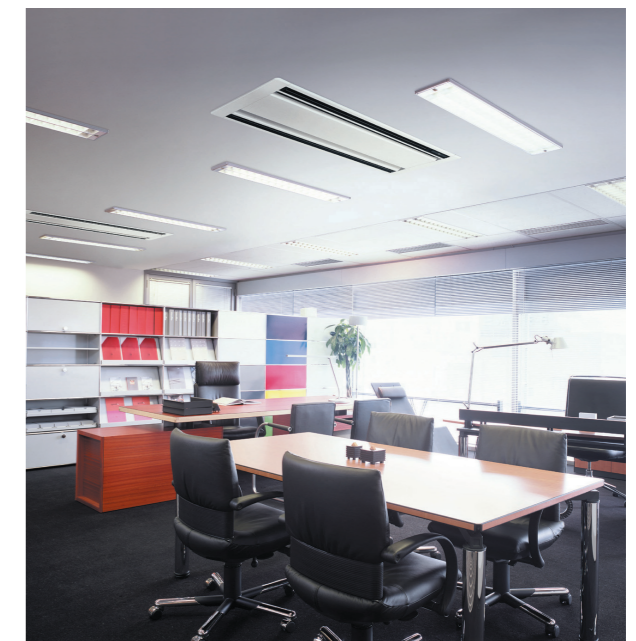
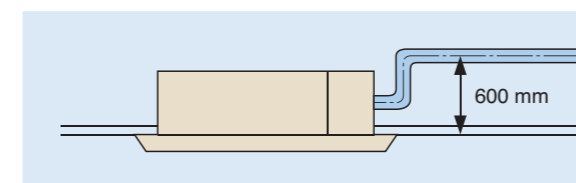


(When a high-efficiency filter is attached, the unit's height is 400 mm.)

- 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 realises 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.

* 8 hr/day, 25 day/month. For dust concentration of 0.15 mg/m³

- Major maintenance work can be performed by removing the panel. A flat-type suction grille and a detachable blade make cleaning easy.

Indoor Unit Lineup

VRV Indoor Units

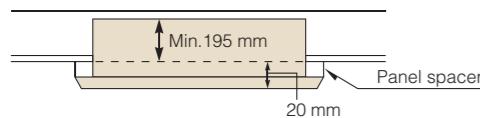
Ceiling Mounted Cassette Corner Type

FXKQ25MA / FXKQ32MA
FXKQ40MA / FXKQ63MA



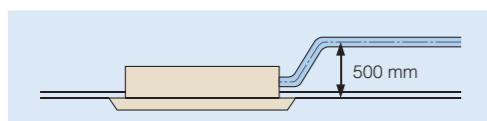
Slim design for flexible installation

- 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.

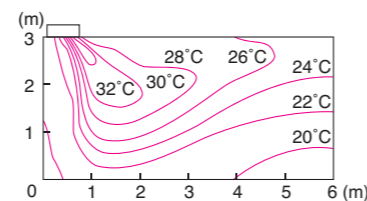


- Single-flow type allows effective air discharge from corner or from drop-ceiling.

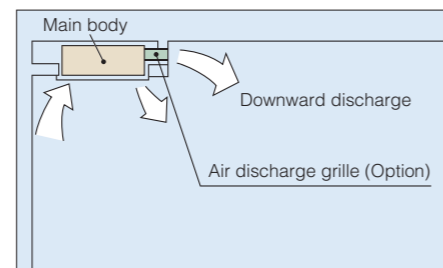
- Drain pump is equipped as standard accessory with 500 mm lift.



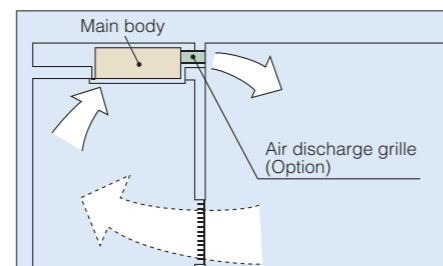
- Providing 3 different settings of standard, draft prevention and ceiling soiling prevention, the auto swing mechanism realises even distribution of airflow and room temperature.



- 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.



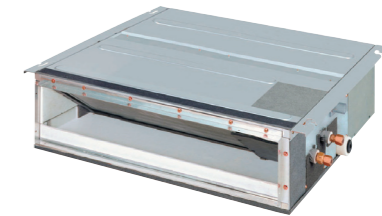
*Downward discharge is shut off and air is blown straight out (front discharge).

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

* 8 hr/day, 25 day/month. For dust concentration of 0.15 mg/m³

Slim Ceiling Mounted Duct Type (Standard Series)

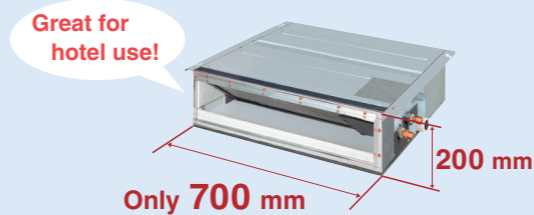
Slim design, quietness and static pressure switching



Suited to use in drop-ceilings!

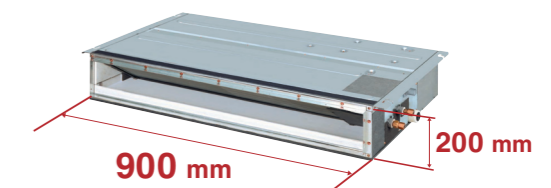
FXDQ20PB / FXDQ25PB / FXDQ32PB

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

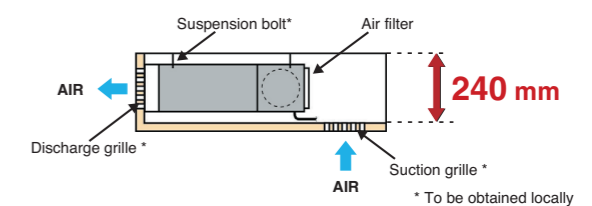


FXDQ40NB / FXDQ50NB / FXDQ63NB

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



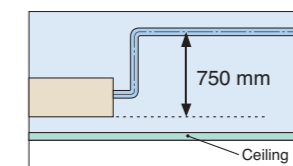
* 1,100 mm in width for the FXDQ63NB model.



- 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.



- 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)	28/26/23	28/26/24	30/28/26	33/30/27	33/31/29

* 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.

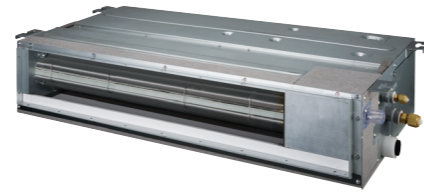
Indoor Unit Lineup

VRV Indoor Units

Slim Ceiling Mounted Duct Type (Compact Series)

New

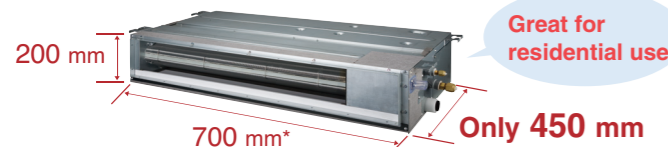
FXDQ20SP / FXDQ25SP
FXDQ32SP / FXDQ40SP
FXDQ50SP / FXDQ63SP



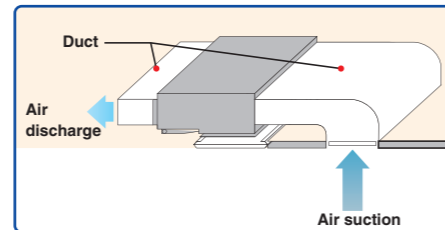
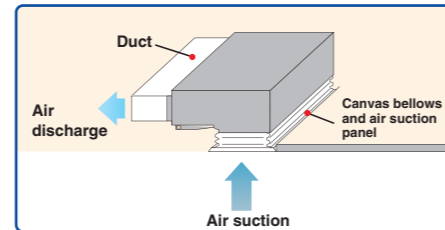
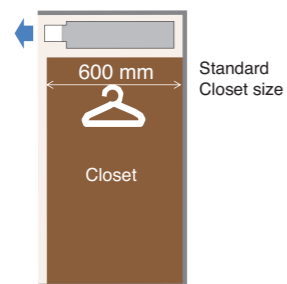
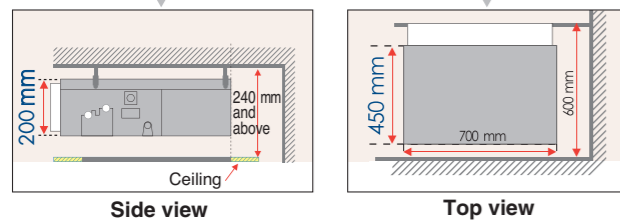
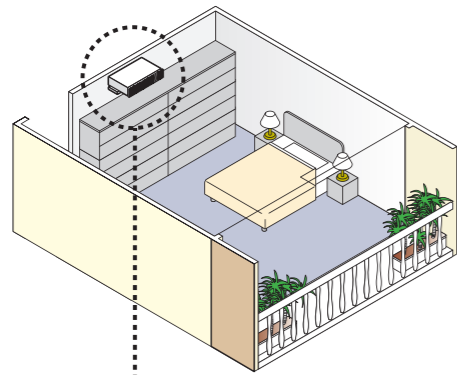
Slim and compact design for easy and flexible installation

- It comes with a slim and compact design with a height of only 200 mm that requires as little as 240 mm in height for the ceiling space between the drop-ceiling and ceiling slab. The depth of the product is only 450 mm which is suitable to install in limited spaces.

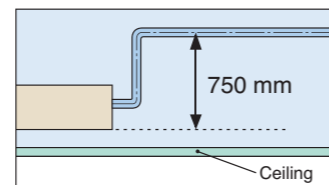
- It is available in two types – ceiling return and ordinary duct to suit different installation conditions.



*For FXDQ20-32SP models

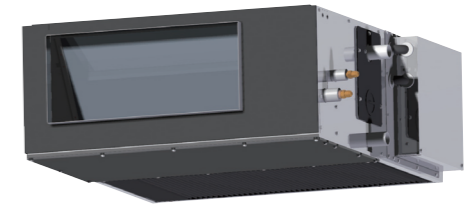


- Drain pump is equipped as standard accessory with 750 mm lift.



Ceiling Mounted Built-in Type

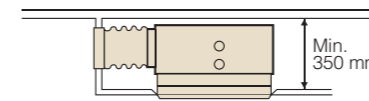
FXSYQ20M / FXSYQ25M / FXSYQ32M
FXSYQ40M / FXSYQ50M / FXSYQ63M
FXSYQ80M / FXSYQ100M / FXSYQ125M



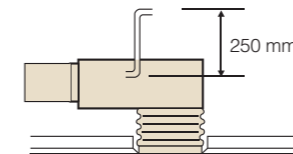
Highly flexible for various application

- 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.



- High external static pressure allows the use of flexible ducts of various length.

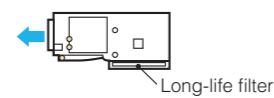
- Low operation sound level

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

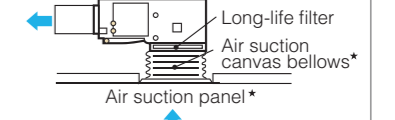
*The values of operation sound level are based on Australian Standard 1217.6-1985. Measurement is based on bottom-return air entry.

Installation examples (*Optional parts)

- Standard



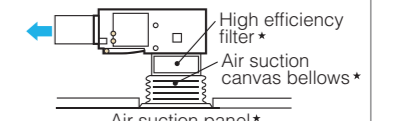
- Cassette style (standard filter)



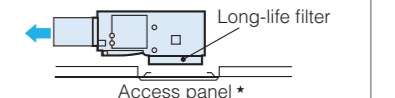
- With duct



- Cassette style (high efficiency filter)



- Ceiling return

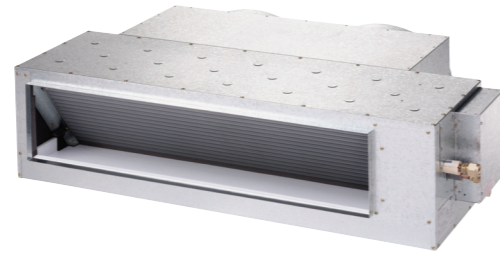


Indoor Unit Lineup

VRV Indoor Units

Ceiling Concealed (Duct) Type

FXDYQ80MA / FXDYQ100MA
 FXDYQ125MA / FXDYQ145MA
 FXDYQ180M / FXDYQ200M / FXDYQ250M



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

- High efficiency Hi-X heat exchanger coils that provide even more energy savings.

- High external static pressure allows comprehensive duct layout for various applications.

120 Pa for FXDYQ80MA-145MA
 150 Pa for FXDYQ180M
 180 Pa for FXDYQ200M
 200 Pa for FXDYQ250M

- Design of indoor units allows installation in limited roof spaces.

- Return air spigots included for ease of installation for FXDYQ80MA-145MA models.

- 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



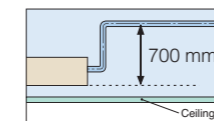
Middle and high static pressure allows for flexible duct design

- 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.

- 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

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 rate can be controlled using a remote controller during test operation. 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.

FXMQ200MA/FXMQ250MA



- Simplified Static Pressure Control

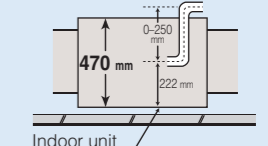
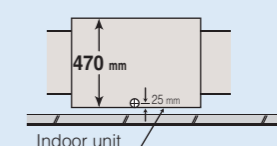
External static pressure can be easily adjusted using a change-over switch inside the electrical box to meet the resistance in the duct system.

- Built-in Drain Pump (Option)

Housing the drain pump inside the unit reduces the space required for installation.

- Without drain pump

- With drain pump

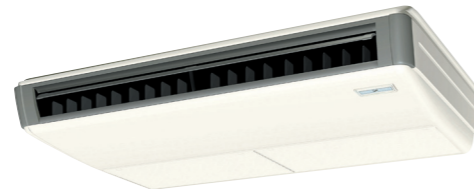


Indoor Unit Lineup

VRV Indoor Units

Ceiling Suspended Type

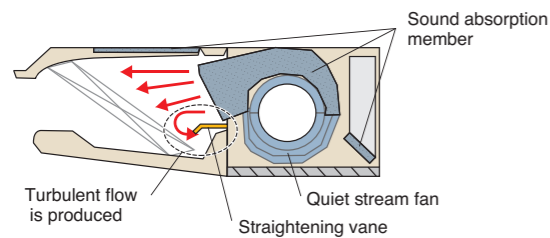
FXHQ32MA / FXHQ63MA
FXHQ100MA



Slim body with quiet and wide airflow

●Adoption of QUIET STREAM FAN

Uses the quiet stream fan and many more advanced technologies.

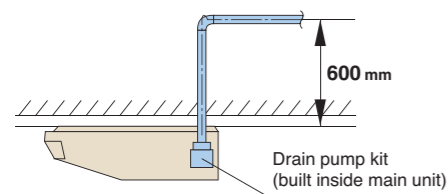


●Low operation sound level

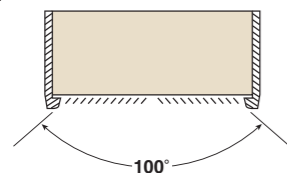
FXHQ-MA	32	63	100
Sound level (H/L)	36/31	39/34	45/37

●Installation is easy

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



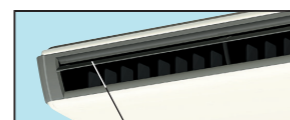
●Wide air discharge openings produce a spreading 100° airflow.



●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 everything can be performed from below the unit.

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

* 8 hr/day, 25 day/month. For dust concentration of 0.15 mg/m³

Wall Mounted Type

FXAQ20P / FXAQ25P
FXAQ32P / FXAQ40P
FXAQ50P / FXAQ63P



Stylish flat panel design harmonised with your interior décor

- Stylish flat panel design creates a graceful harmony that enhances any interior space.

- Flat panel can be cleaned with only the single pass of a cloth across their smooth surface. Flat panel can also be easily removed and washed for more thorough cleaning.

●Low operation sound level

FXAQ-P	20	25	32	40	50	63
Sound level (H/L)	35/31	36/31	38/31	39/34	42/37	47/41

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

- Vertical 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.

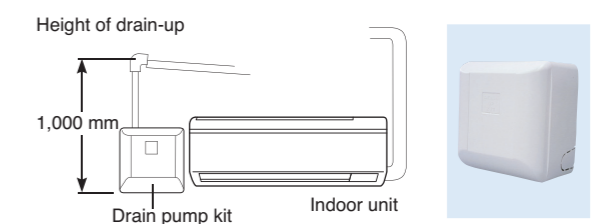
- Discharge angle is automatically set at the same angle as the previous operation when restarting. (Initial setting: 10° for cooling and 70° for heating)

- 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.



Indoor Unit Lineup

VRV Indoor Units

Floor Standing Type

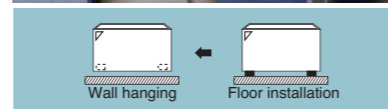
FXLQ20MA / FXLQ25MA
FXLQ32MA / FXLQ40MA
FXLQ50MA / FXLQ63MA



Suitable for perimeter zone air conditioning

- Floor Standing types can be hung on the wall for easier 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.

* 8 hr/day, 25 day/month. For dust concentration of 0.15 mg/m³



Concealed Floor Standing Type

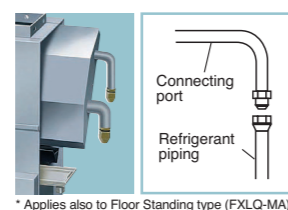
FXNQ20MA / FXNQ25MA
FXNQ32MA / FXNQ40MA
FXNQ50MA / FXNQ63MA



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.

* 8 hr/day, 25 day/month. For dust concentration of 0.15 mg/m³



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



Indoor Unit Lineup

Residential Indoor Units with connection to BP units

Ceiling Mounted Cassette Type

FCQ35B / FCQ50B / FCQ60B / FCQ71B



Option
Note: Remote controller cables not included. Cables should be obtained locally.



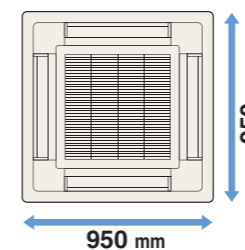
Option



Signal receiver unit
Note: Wireless remote controllers and signal receiver units are sold as a set.

Specially designed for false ceilings —for a smooth, modern interior finish

- All models feature a decoration panel with the same compact size and simple design for easier planning of lighting systems and harmonising of interior décor.



Same for all models

Decoration panel is optional

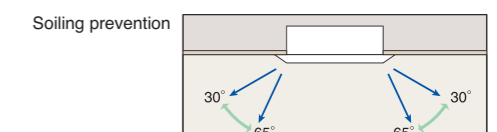
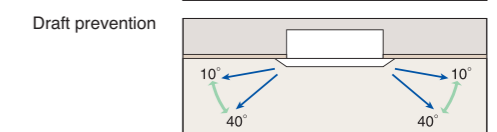
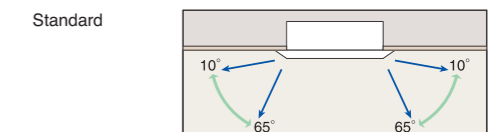
- The indoor units weigh only 24 kg and require an installation space with a height of just 245 mm.



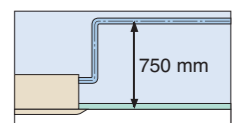
- Low operation sound level

	FCQ35B	FCQ50B	FCQ60B	FCQ71B
(H/L)	33/29 dB (A)	33/29 dB (A)	35/30 dB (A)	35/30 dB (A)

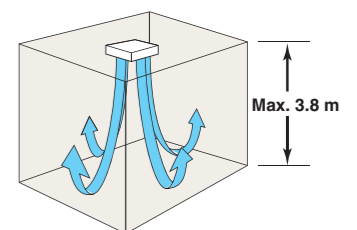
- Three convenient patterns for auto-swing operation



- Drain pump is equipped as standard with 750 mm.



- These models have the power to provide a comfortable airflow even with a ceiling height of up to 3.8 m.



Indoor Unit Lineup

Residential Indoor Units with connection to BP units

Ceiling Mounted Cassette (Compact Multi Flow) Type

FFQ25B / FFQ35B / FFQ50B / FFQ60B



Option
Note: Remote controller cables not included. Cables should be obtained locally.



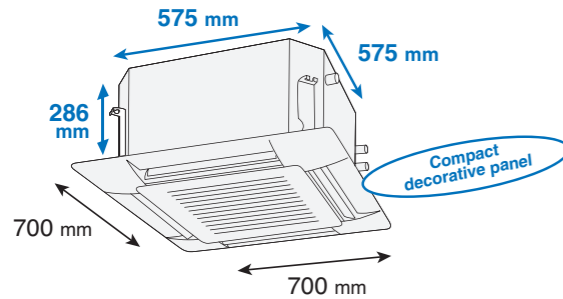
Option



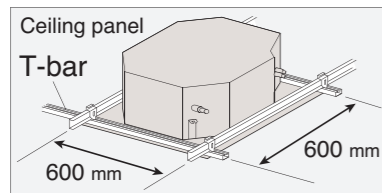
Signal receiver unit
Note: Wireless remote controllers and signal receiver units are sold as a set.

Quiet, compact, and designed for user comfort

- Designed to fit 600 mm wide ceiling grids



- T-bar grid does not need to be cut.

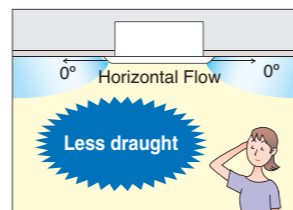


- Low operation sound level

FFQ25B	FFQ35B	FFQ50B	FFQ60B
29.5/24.5 dB (A)	32/25 dB (A)	36/27 dB (A)	41/32 dB (A)

(H/L)

- Low draft performance is designed for your comfort.



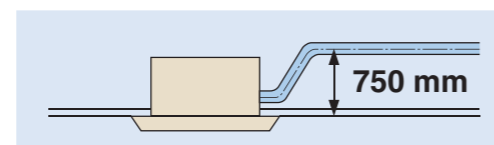
- Comfortable across all areas

Conditioned air is distributed evenly by Auto-swing operation. Adjustable airflow angle to suit all room conditions.

	AUTO-SWING	5 direction
Standard setting	Auto-swing between 0° and 60°	Settable to 5 different levels between 0° and 60°
Draft prevention setting (Set on site)	Auto-swing between 0° and 35°	Settable to 5 different levels between 0° and 35°
Setting to prevent soiling of ceiling (Set on site)	Auto-swing between 25° and 60°	Settable to 5 different levels between 25° and 60°

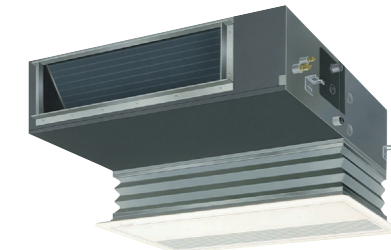
Note: Angles shown above are provided as a guide. They may differ depending on the installation site.

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



Ceiling Mounted Built-in Type

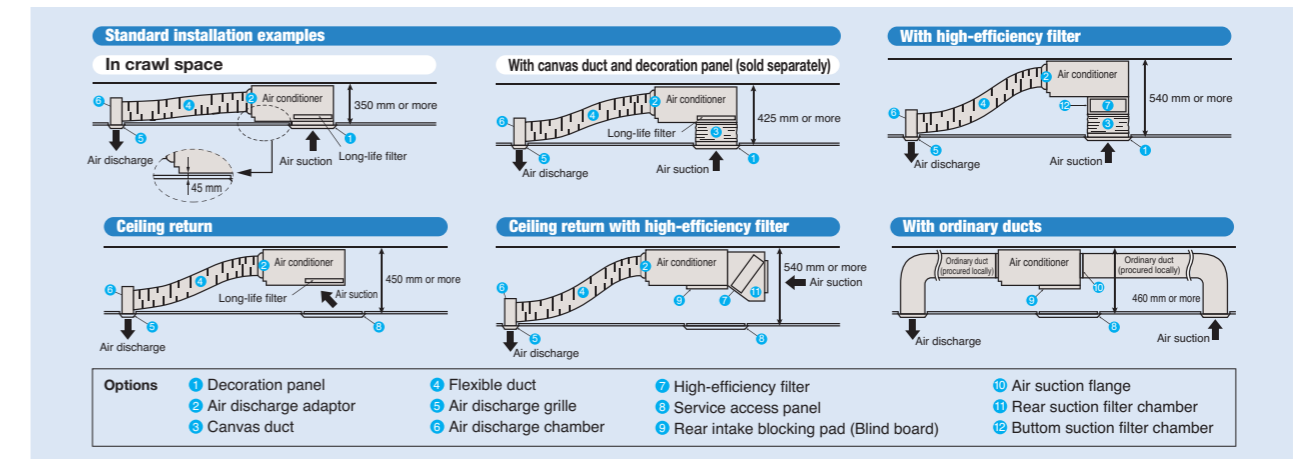
FBQ60B / FBQ71B



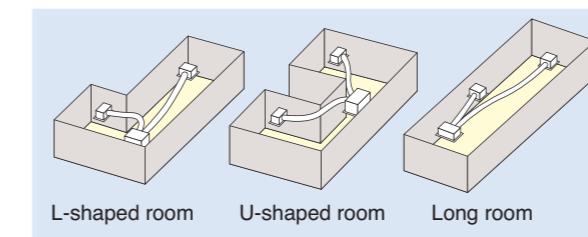
Option
Note: Remote controller cables not included. Cables should be obtained locally.

Flexible air discharge unit to fit various forms of space

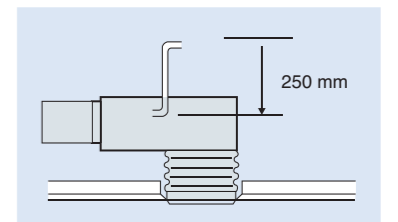
- The indoor unit can be installed in rooms with as little as 350 mm between the drop ceiling and ceiling slab. It also works with both flexible and ordinary ducts.



- To cope with the challenges of L-shaped or U-shaped spaces, it is possible to install the air discharge unit away from the main unit. This extends the possibilities for coping with human gathering patterns or sun lighting. At the same time, different types of architectural space can be kept comfortable.



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



- Low operation sound level

FBQ60B	FBQ71B
41/35 dB (A)	41/35 dB (A)

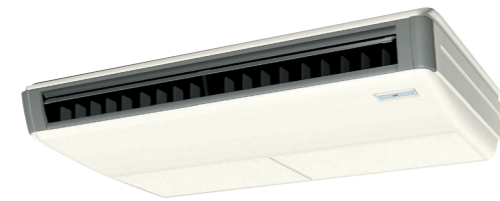
(H/L)

Indoor Unit Lineup

Residential Indoor Units with connection to BP units

Ceiling Suspended Type

FHQ35BV / FHQ50BV / FHQ60BV



Option
Note: Remote controller cables not included. Cables should be obtained locally.



Option



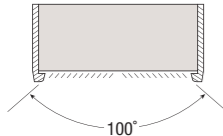
Signal receiver unit
Note: Wireless remote controllers and signal receiver units are sold as a set.

Slim body with quiet and wide airflow

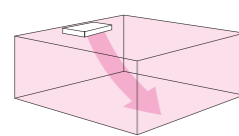
- This ceiling-suspended type air conditioner features a slim body with a quiet and wide airflow.

- Spreads comfortable air throughout the room
 - Auto-swing for comfort in all directions.

Wide air discharge openings produce a spreading 100° airflow



Installable on ceilings 3.5 m high



- Quiet operation

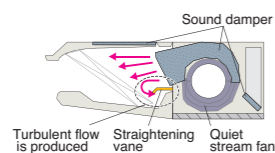
- Quiet operation has been emphasised even more on the exposed ceiling suspended type unit.

(H/L)

FHQ35BV	FHQ50BV	FHQ60BV
37/32 dB (A)	38/33 dB (A)	39/33 dB (A)

* Capacity may be affected.

Uses quiet stream fan and other quiet technologies.



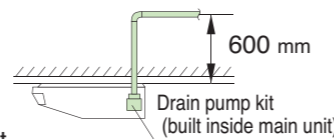
- Easier installation for greater freedom of design

- Uniform height and depth. Narrower design for small-capacity models to meet tighter dimensional constraints.

	FHQ35BV	FHQ50BV	FHQ60BV
Dimensions (H x W x D)	195 x 960 x 680 mm	195 x 960 x 680 mm	195 x 1,160 x 680 mm

- 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.



- Long-life filter lasts approximately 1 year*

* For dust concentration of 0.15 mg/m³

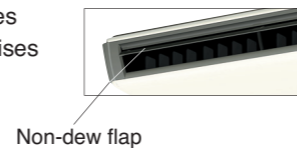
- Two time settings (2500 hrs and 1250 hrs) are available to match the installation environment. Maintenance time warning is displayed on the remote controller (filter sign).

- Easy-clean, flat surfaces

- It is easy to wipe dirt off the flat side and lower surfaces of the unit.

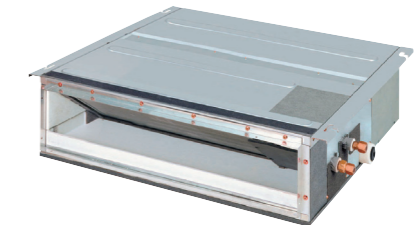
- Non-dew flap without bristles

- Absence of bristles minimises clinging dirt and simplifies cleaning.



Slim Ceiling Mounted Duct Type

CDXS25EA / CDXS35EA
FDXS25C / FDXS35C
FDXS50C / FDXS60C



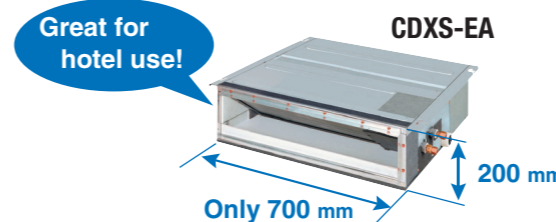
Standard accessory



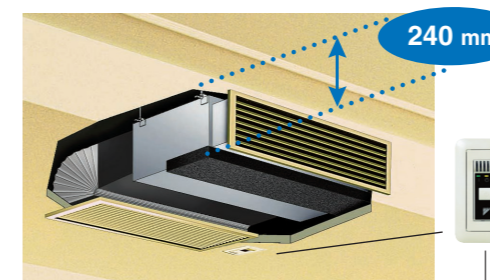
Option

Slim and smooth design suits your shallow ceiling

- Models in the CDXS-EA series are only 700 mm in width and 21 kg in weight, so are easily installed in limited spaces. Just 200 mm in height, all models can be installed in rooms with as little as 240 mm depth between the drop ceiling and ceiling slab, making them ideal for even shallow ceilings.



	CDXS25EA	CDXS35EA	FDXS25C	FDXS35C
Dimensions (H x W x D)	200 x 700 x 620 mm	200 x 700 x 620 mm	200 x 900 x 620 mm	200 x 900 x 620 mm
Weight	21 kg	21 kg	25 kg	25 kg
Airflow rate (H)	145 ℓ/s	145 ℓ/s	158 ℓ/s	167 ℓ/s
External static pressure	30 Pa	30 Pa	40 Pa	40 Pa



Signals from the wireless remote controller are transmitted to the signal receiver.

- Low operation sound level

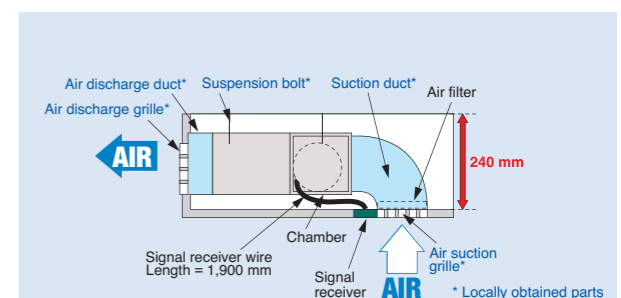
(H/L/SL)

C(F)DXS25	C(F)DXS35	FDXS50	FDXS60
35/31/29 dB (A)	35/31/29 dB (A)	37/33/31 dB (A)	38/34/32 dB (A)

- Home Leave Operation prevents large rises or falls in the indoor temperature by continuing operation* while you are sleeping or out of your home. This means that an air-conditioned welcome awaits when you wake or return. It also means that the indoor temperature can quickly return to your favourite comfort setting.

* Home Leave Operation can be selected for any temperature from 18 to 32°C for cooling operation and 10 to 30°C for heating operation.

* Home Leave Operation function must be set using the remote controller when going to sleep or leaving the house, and after waking up or returning home.



Notes:

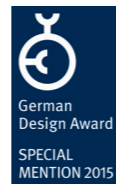
- To prevent an increase in operation noise, avoid installing the air suction grille directly below the suction chamber.
- Grilles, piping connections, ducts, and installation parts should be obtained locally. Slim Ceiling Mounted Duct type models do not have drain-up pumps.
- The signal receiver unit must be located near the air suction inlet, because the unit includes a sensor that detects room temperature.

Indoor Unit Lineup

Residential Indoor Units with connection to BP units

Wall Mounted Type

New CTXG25P / CTXG35P / CTXG50P



Elegant appearance with European style

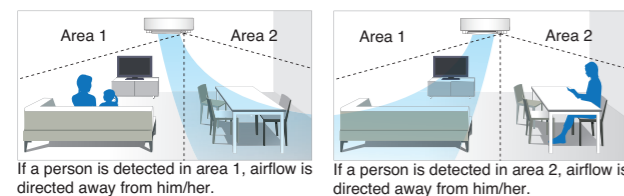
●Elegant Appearance with Curved Panel

●The sleek design of the CTXG-P indoor unit features a uniquely European style. This elegant body houses state-of-the-art technology which delivers superior performance. The CTXG-P series offers a versatile choice for home-owners, designers and architects alike.



●Two-Area Intelligent Eye

●A combination of Comfort Airflow Mode and Intelligent Eye directs airflow away from people to avoid drafts. If there is no movement in a room for 20 minutes, Intelligent Eye automatically adjusts the set temperature by approximately 2°C to save energy.

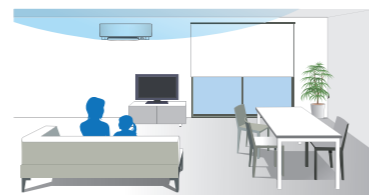


If a person is detected in area 1, airflow is directed away from him/her.

If a person is detected in area 2, airflow is directed away from him/her.

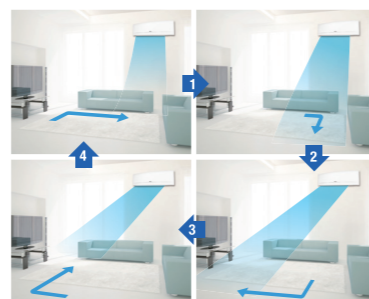
●Comfort Airflow Mode

●Comfort Airflow Mode prevents uncomfortable drafts from blowing directly on to a person's body. During cooling operation, the flap moves upwards to prevent cold drafts. During heating operation, the flap turns vertically downwards to drive warm air to the floor.



●3D Airflow

●3D Airflow combines Vertical and Horizontal Auto-Swing to reduce indoor temperature fluctuation. This function circulates air to every part of a room for uniform cooling or heating of even large spaces. To start 3D Airflow, push both the Vertical and Horizontal Auto-Swing buttons. The flaps and louvers swing in turn.



The flaps and louvers swing in turn, expanding the comfort zone.

Wall Mounted Type



FTXS20K / FTXS25K / FTXS35K



FTXS50KA / FTXS60KA / FTXS71KA

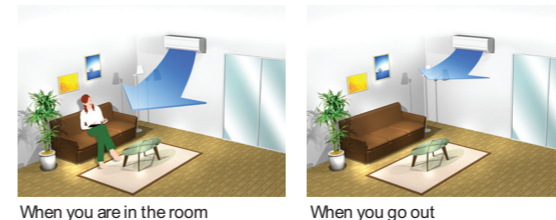


Stylish flat panel harmonises with your interior décor

●Wall Mounted indoor units achieve quiet sound levels of 22 dB (A) during cooling operation.

(H/L/SL)				
FTXS20/25	FTXS35	FTXS50	FTXS60	FTXS71
37/25/22 dB (A)	39/26/23 dB (A)	43/34/31 dB (A)	45/36/33 dB (A)	46/37/34 dB (A)

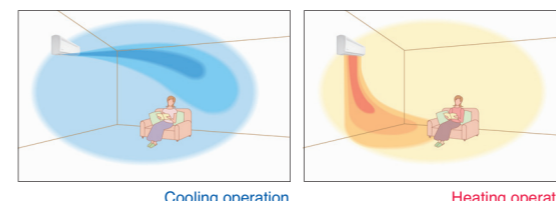
●Intelligent Eye with its infrared sensor automatically controls air conditioner operation according to human movement in a room. When there is no movement, it adjusts the temperature by 2°C for energy savings.



When you are in the room

When you go out

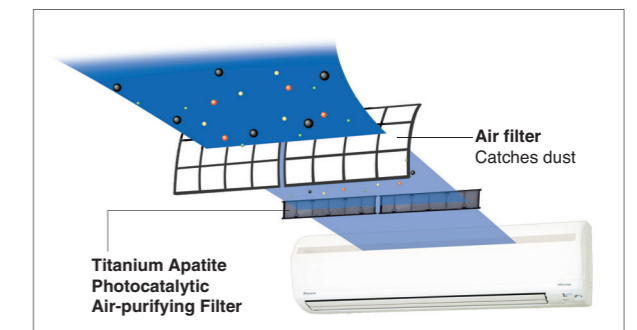
●Comfort Airflow Mode prevents uncomfortable drafts from blowing directly on to your body. With this function, when you press the COMFORT button during cooling operation, the flap moves upward to prevent direct cold drafts. During heating operation, it also moves downward to prevent direct drafts and deliver warm air to the floor.



Cooling operation

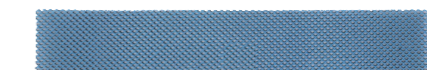
Heating operation

●Titanium apatite is a photocatalytic material with high adsorption power. Titanium apatite also effectively adsorbs and decomposes bacteria across its entire surface. The photocatalyst is activated simply by exposure to light.



These filters are not medical devices. Benefits such as the adsorption and decomposition of bacteria are only effective for substances that are collected on and in direct contact with the Titanium Apatite Photocatalytic Air-Purifying Filter.

Bacteria Removal Test
Testing method: dropping method
Result certificate: No. 012553-1 and 012553-2
Testing organisation: Japan Spinners Inspecting Foundation



Indoor Unit Lineup

Residential Indoor Units with connection to BP units

Floor Standing Type

FVXS25K / FVXS35K / FVXS50K



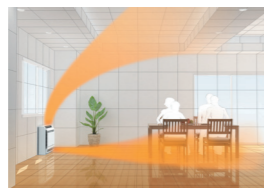
Standard accessory

Dual discharges to evenly distribute air across the whole room

- A space-saving air-conditioner of simple and neat appearance. It distributes airflow to the furthest corners with efficient Vertical Auto-Swing and Wide-Angle Louvres.

- Dual air discharge for enhanced comfort

- Daikin's inverter floor standing units are especially effective in heating. The unit features dual air outlets that diffuse warm air at floor level, and vertical auto swing louvers on the top air outlet, providing uniform distribution of heated air in the room. In warmer months, the lower air outlet can be shut off, leaving the top air diffuser to stream cool refreshing air upwards.



Double airflow keeps feet warm during heating operation.

- Easy to clean

- The flat panel design makes cleaning the front face of the unit a breeze. Surface dust can be simply wiped away with a soft cloth. Furthermore, the unit can be installed off the floor to allow for cleaning of the floor space under the unit.

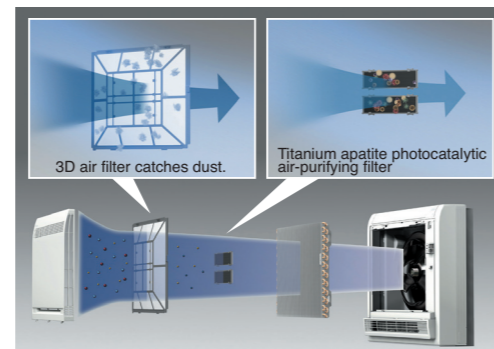


Wiping clean the flat panel is a breeze.



Easily clean beneath the unit.

- Uses a Titanium Apatite Photocatalytic Air-Purifying Filter. Titanium apatite is a photocatalytic material with high adsorption power. It effectively adsorbs and removes bacteria.



These filters are not medical devices. Benefits such as the adsorption and decomposition of bacteria are only effective for substances that are collected on and in direct contact with the Titanium Apatite Photocatalytic Air-Purifying Filter.

Bacteria Removal Test
 Testing method: dropping method
 Result certificate: No. 012553-1 and 012553-2
 Testing organisation: Japan Spinners Inspecting Foundation

- Stylish and compact flat panel

- The clever construction of the elegant flat panel unit allows the flexibility of fully exposed installation against a wall or semi-recessed installation in spaces such as in a mantelpiece.



Floor/Ceiling Suspended Dual Type

FLXS25B / FLXS35G / FLXS50G / FLXS60G



Standard accessory

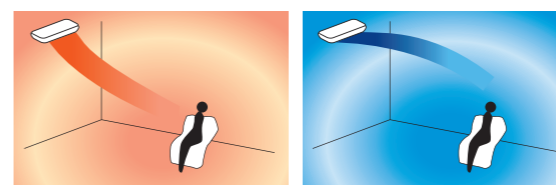
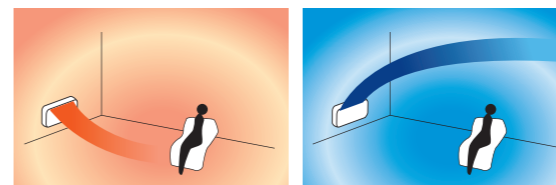
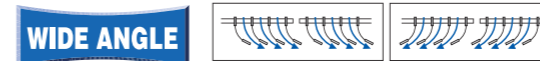
Floor/ceiling dual use maximises free space

- Two-way installation

- The floor/ceiling-suspended dual type's slim, rounded design allows both ceiling-suspended and floor-level installation. Ceiling-suspended installation frees up wall and floor space, while floor-level installation is possible.

- Comfortable airflow

- Vertical Auto-Swing and Wide-Angle Louvres realise that comfortable airflow spreads throughout a large room. With these functions, the whole room can be evenly air-conditioned from either a floor-level or ceiling-suspended installation. The louvres can be adjusted by hand.



The Vertical Auto-Swing and Wide-Angle Louvres direct warm/cool air to every corner of your room.

- The floor/ceiling-suspended dual type indoor units achieve quiet sound level of 28 dB (A).

(H/L/SL)

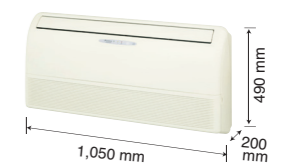
FLXS25	FLXS35	FLXS50	FLXS60
37/31/28 dB (A)	38/32/29 dB (A)	47/39/36 dB (A)	48/41/39 dB (A)

* Capacity may be affected.

During cooling operation

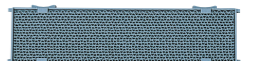
- The curved design of the indoor unit merges smoothly with the wall or floor to enhance the décor of any room.

- The indoor unit is only 490 mm in height and weighs a featherlight 16 kg, which means it can be quickly and efficiently installed by one person.



- The Photocatalytic Deodorising Filter is able to decompose odours and even removes bacteria and viruses. This filter can be used indefinitely if regular maintenance is carried out.

Bacteria Removal Test
 Testing method: dropping method
 Result certificate: No. 298081197-003
 Virus Removal Test
 Testing method: washout method
 Result certificate: No. 298081197-004
 Testing organisation: Japan Food Research Laboratories



Specifications

VRV Indoor Units

Ceiling Mounted Cassette (Round Flow with Sensing) Type



MODEL		FXFQ25SVM	FXFQ32SVM	FXFQ40SVM	FXFQ50SVM	FXFQ63SVM	FXFQ80SVM	FXFQ100SVM	FXFQ125SVM							
Power supply		1-phase, 220-240 V/220-230 V, 50/60 Hz														
Cooling capacity	kcal/h	2,400	3,100	3,900	4,800	6,100	7,700	9,600	12,000							
	Btu/h	9,600	12,300	15,400	19,100	24,200	30,700	38,200	47,800							
	kW	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		0.031	0.041	0.080	0.095		0.194	0.219						
	Heating	kW		0.027	0.037	0.075	0.090		0.180	0.199						
Casing		Galvanised steel plate														
Airflow rate (H/M/L)	ℓ/s	208/191/166		241/216/183		365/291/224		391/308/224		549/433/316		574/458/349				
	m ³ /min	12.5/11.5/10.0		14.5/13.0/11.0		22.0/17.5/13.5		23.5/18.5/13.5		33.0/26.0/19.0		34.5/27.5/21.0				
Sound level (H/M/L)	dB(A)		30/28.5/27		31/29/27		36/32/28		38/33/28		38/35/31		44/38/32		45/40/35	
Sound power (H/M/L)	dB(A)		47/45.5/44		48/46/44		53/49/45		55/50/45		55/52/48		60/54/48		61/56/51	
Dimensions (HxWxD)	mm		246x840x840						288x840x840							
Machine weight	kg		19			23			26							
Piping connections	Liquid (Flare)	mm		φ6.4				φ9.5								
	Gas (Flare)	mm		φ12.7				φ15.9								
	Drain	VP25 (External Dia, 32/Internal Dia, 25)														
Panel (Option)	Model		BYCQ125B-W1													
	Colour		Fresh white													
	Dimensions(HxWxD)	mm	50x950x950													
	Weight	kg	5.5													

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	2,400	3,100	3,900	4,800	6,100	7,700	9,600	12,000							
	Btu/h	9,600	12,300	15,400	19,100	24,200	30,700	38,200	47,800							
	kW	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	0.047	0.052	0.066	0.093	0.187	0.209						
	Heating	kW		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		250/216/183		266/225/183		316/275/225		350/300/250		533/433/333		550/466/375		
	m ³ /min	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		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		49/47/45		50/47.5/45		52/49/46		53/51.5/49		60/54.5/50		61/56/52	
Dimensions (HxWxD)	mm		246x840x840						288x840x840							
Machine weight	kg		19.5			22			25							
Piping connections	Liquid (Flare)	mm		φ6.4				φ9.5								
	Gas (Flare)	mm		φ12.7				φ15.9								
	Drain	VP25 (External Dia, 32/Internal Dia, 25)														
Panel (Option)	Model		BYCP125K-W1													
	Colour		Fresh white													
	Dimensions(HxWxD)	mm	50x950x950													
	Weight	kg	5.5													

Note: Specifications are based on the following conditions:
 • Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
 • Heating: Indoor temp.: 20°CDB, Outdoor temp.: 7°CDB, 6°CDB, 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 Book 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.

Ceiling Mounted Cassette (Compact Multi Flow) Type



MODEL		FXZQ20MVE	FXZQ25MVE	FXZQ32MVE	FXZQ40MVE	FXZQ50MVE	
Power supply		1-phase, 220-240 V/220 V, 50/60 Hz					
Cooling capacity	kcal/h	1,900	2,400	3,100	3,900	4,800	
	Btu/h	7,500	9,600	12,300	15,400	19,100	
	kW	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	0.076	0.089	0.115
	Heating	kW		0.064	0.068	0.080	0.107
Casing		Galvanised steel plate					
Airflow rate (H/L)	ℓ/s	150/116		158/125	183/133	233/166	
	m ³ /min	9/7		9.5/7.5	11/8	14/10	
Sound level (H/L)	240 V	dB(A)		32/26	34/28	37/29	42/35
Sound power (H)	240 V	dB(A)		49	51	54	59
Dimensions (HxWxD)	mm		286x575x575				
Machine weight	kg		18				
Piping connections	Liquid (Flare)	mm		φ6.4			
	Gas (Flare)	mm		φ12.7			
	Drain	VP20 (External Dia, 26/Internal Dia, 20)					
Panel (Option)	Model		BYFQ60B3W1				
	Colour		White (6.5Y9.5/0.5)				
	Dimensions(HxWxD)	mm	55x700x700				
	Weight	kg	2.7				

4-way Flow Ceiling Suspended Type



MODEL		FXUQ71AVEB	FXUQ100AVEB			
Power supply		1-phase, 220-240 V/220-230 V, 50/60 Hz				
Cooling capacity	kcal/h	6,900	9,600			
	Btu/h	27,300	38,200			
	kW	8.0	11.2			
Heating capacity	kcal/h	7,700	10,800			
	Btu/h	30,700	42,700			
	kW	9.0	12.5			
Power consumption	Cooling	kW		0.090	0.200	
	Heating	kW		0.073	0.179	
Casing		Fresh white				
Airflow rate (H/M/L)	ℓ/s	375/325/267		517/433/350		
	m ³ /min	22.5/19.5/16		31/26/21		
Sound level (H/M/L)	dB(A)		40/38/36		47/44/40	
Sound power (H/M/L)	dB(A)		58/56/54		65/62/58	
Dimensions (HxWxD)	mm		198x950x950			
Machine weight	kg		26		27	
Piping connections	Liquid (Flare)	mm		φ9.5		
	Gas (Flare)	mm		φ15.9		
	Drain	VP20 (External Dia, 26/Internal Dia, 20)				

Note: Specifications are based on the following conditions:
 • Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
 • Heating: Indoor temp.: 20°CDB, Outdoor temp.: 7°CDB, 6°CDB, 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 Book for details.)
 • Sound level: (FXZQ-M) Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre.
 (FXUQ-A) 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

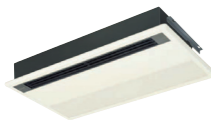
VRV Indoor Units

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	1,900	2,400	3,100	3,900	4,800	6,100	7,700	12,000	
	Btu/h	7,500	9,600	12,300	15,400	19,100	24,200	30,700	47,800	
	kW	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	0.130	0.106	0.209	0.256		
	Heating	kW	0.044	0.059	0.097	0.126	0.176	0.223		
Casing		Galvanised steel plate								
Airflow rate (H/L)	ℓ/s	116/83	150/108	200/150	275/216	433/350	550/416			
	m³/min	7/5	9/6.5	12/9	16.5/13	26/21	33/25			
Sound level (H/L)	240 V	dB(A)	34/29	36/30	37/32	39/34	41/36	46/40		
Dimensions (HxWxD)	mm	305x775x600		305x990x600		305x1,175x600		305x1,665x600		
Machine weight	kg	26.0		31.0	32.0	35.0	47.0	48.0		
Piping connections	Liquid (Flare)	φ6.4		φ9.5						
	Gas (Flare)	φ12.7		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(HxWxD)	mm	53x1,030x680		53x1,245x680		53x1,430x680		53x1,920x680	
	Weight	kg	8.0		8.5	9.5	12.0			

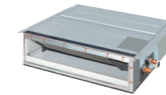
Ceiling Mounted Cassette Corner Type



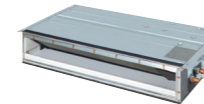
MODEL		FXKQ25MAVE	FXKQ32MAVE	FXKQ40MAVE	FXKQ63MAVE
Power supply		1-phase, 220-240 V/220 V, 50/60 Hz			
Cooling capacity	kcal/h	2,400	3,100	3,900	6,100
	Btu/h	9,600	12,300	15,400	24,200
	kW	2.8	3.6	4.5	7.1
Heating capacity	kcal/h	2,800	3,400	4,300	6,900
	Btu/h	10,900	13,600	17,100	27,300
	kW	3.2	4.0	5.0	8.0
Power consumption	Cooling	kW	0.066	0.076	0.105
	Heating	kW	0.046	0.056	0.085
Casing		Galvanised steel plate			
Airflow rate (H/L)	ℓ/s	183/150		216/166	300/250
	m³/min	11/9		13/10	18/15
Sound level (H/L)	240 V	40/35		42/36	44/39
Dimensions (HxWxD)	mm	215x1,110x710			215x1,310x710
Machine weight	kg	31		34	
Piping connections	Liquid (Flare)	φ6.4		φ 9.5	
	Gas (Flare)	φ12.7		φ 15.9	
	Drain	VP25 (External Dia, 32/Internal Dia, 25)			
Panel (Option)	Model	BYK45FJW1		BYK71FJW1	
	Colour	White (10Y9/0.5)			
	Dimensions(HxWxD)	mm	70x1,240x800		70x1,440x800
	Weight	kg	8.5		9.5

Note: Specifications are based on the following conditions;
 •Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
 •Heating: Indoor temp.: 20°CDB, Outdoor temp.: 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 Book for details.)
 •Sound level: (FXKQ-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.

Slim Ceiling Mounted Duct Type (Standard Series)



700 mm width type

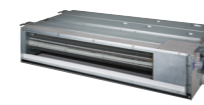


900/1,100 mm width type

MODEL		FXDQ20PBVE	FXDQ25PBVE	FXDQ32PBVE	FXDQ40NBVE	FXDQ50NBVE	FXDQ63NBVE
Power supply		1-phase, 220-240 V/220 V, 50/60 Hz					
Cooling capacity	kcal/h	1,900	2,400	3,100	3,900	4,800	6,100
	Btu/h	7,500	9,600	12,300	15,400	19,100	24,200
	kW	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*1	Cooling	kW	0.086		0.089	0.160	0.181
	Heating	kW	0.067		0.070	0.152	0.168
Casing		Galvanised steel plate					
Airflow rate (HH/H/L)	ℓ/s	133/120/106			175/158/141	208/183/166	275/241/216
	m³/min	8.0/7.2/6.4			10.5/9.5/8.5	12.5/11.0/10.0	16.5/14.5/13.0
External static pressure	Pa	30-10*2			44-15*2		
Sound level (HH/H/L)*1*3	dB(A)	28/26/23		28/26/24	30/28/26	33/30/27	33/31/29
Sound power (HH/H/L)	dB(A)	56/54/51		56/54/52	58/56/54	61/58/55	61/59/57
Dimensions (HxWxD)	mm	200x700x620			200x900x620		200x1,100x620
Machine weight	kg	23		27	28	31	
Piping connections	Liquid (Flare)	φ 6.4				φ 9.5	
	Gas (Flare)	φ12.7				φ 15.9	
	Drain	VP20 (External Dia, 26/Internal Dia, 20)					

Note: Specifications are based on the following conditions;
 •Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
 •Heating: Indoor temp.: 20°CDB, Outdoor temp.: 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 Book 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.
 *1 : Values are based on the following conditions: FXDQ-PB: external static pressure of 10 Pa; FXDQ-NB: external static pressure of 15 Pa.
 *2 : 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.)
 *3 : 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).

Slim Ceiling Mounted Duct Type (Compact Series)



MODEL		FXDQ20SPV1	FXDQ25SPV1	FXDQ32SPV1	FXDQ40SPV1	FXDQ50SPV1	FXDQ63SPV1	
Power supply		1-phase, 220-240 V, 50 Hz						
Cooling capacity	kcal/h	1,900	2,400	3,100	3,900	4,800	6,100	
	Btu/h	7,500	9,600	12,300	15,400	19,100	24,200	
	kW	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*1	Cooling	kW	0.072	0.075	0.078	0.180	0.180	0.196
	Heating	kW	0.056	0.059	0.062	0.152	0.152	0.168
Casing		Galvanised steel plate						
Airflow rate (HH/H/L)	ℓ/s	145/127/108	150/133/117	167/150/133	250/217/175		333/267/208	
	m³/min	8.7/7.6/6.5	9.0/8.0/7.0	10.0/9.0/8.0	15.0/13.0/10.5		20.0/16.0/12.5	
External static pressure	Pa	30-10*2			50-20*2		40-20*2	
Sound level (HH/H/L)*1*3	dB(A)	33/31/29		34/32/30	35/33/31		37/35/33	
Sound power (HH/H/L)	dB(A)	61/59/57		62/60/58	63/61/59		65/63/61	
Dimensions (HxWxD)	mm	200x700x450			200x900x450		200x1,100x450	
Machine weight	kg	17			20		23	
Piping connections	Liquid (Flare)	φ 6.4				φ 9.5		
	Gas (Flare)	φ12.7				φ 15.9		
	Drain	VP20 (External Dia, 26/Internal Dia, 20)						

Note: Specifications are based on the following conditions;
 •Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 5.0 m, Level difference: 0 m.
 •Heating: Indoor temp.: 20°CDB, Outdoor temp.: 7°CDB, 6°CWB, Equivalent piping length: 5.0 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 Book 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.
 *1 : Values are based on the following conditions: FXDQ20-32SP: external static pressure of 10 Pa; FXDQ40-63SP: external static pressure of 20 Pa.
 *2 : External static pressure is changeable to set by the remote controller. This pressure means "High static pressure - Standard". (Factory setting is 10 Pa for FXDQ20-32SP models and 20 Pa for FXDQ40-63SP models.)
 *3 : 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).

Specifications

VRV 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	1,900	2,400	3,100	3,900	4,800	6,100	7,700	9,600	12,000	
	Btu/h	7,500	9,600	12,300	15,400	19,100	24,200	30,700	38,000	47,800	
	kW	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	0.096	0.106	0.145	0.178	0.304	0.309	0.366
	Heating	kW		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		158/112	191/143	250/190	350/235	450/355	466/370	633/457	
	m³/min	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		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		41/34.5	43/37	45/38.5	48/43	49/41.5			
Sound power (H/L)	230 V dB(A)	58/50.5		58/51.5	60/54	62/55.5	65.5/60	66/59			
Dimensions (HxWxD)	mm	300X550X800		300X700X800	300X1,000X800	300X1,400X800					
Machine weight	kg	30		34	35	44	57				
Piping connections	Liquid (Flare)	mm		φ6.4		φ9.5					
	Gas (Flare)	mm		φ12.7		φ15.9					
	Drain	VP25 (External Dia, 32/Internal Dia, 25)									
Panel (Option)	Model	BYBS32DJW1		BYBS45DJW1	BYBS71DJW1	BYBS125DJW1					
	Colour	White (10Y9/0.5)									
	Dimensions(HxWxD)	mm	55X650X500		55X800X500	55X1,100X500	55X1,500X500				
Weight	kg	3.0		3.5	4.5	6.5					

Ceiling Concealed (Duct) Type



MODEL		FXDYQ80MAV1	FXDYQ100MAV1	FXDYQ125MAV1	FXDYQ145MAV1	FXDYQ180MV1	FXDYQ200MV1	FXDYQ250MV1		
Power supply		1-phase, 220-240 V, 50 Hz								
Cooling capacity	kcal/h	7,600	9,600	12,000	13,800	17,200	19,300	24,100		
	Btu/h	30,000	38,200	47,400	54,600	68,200	76,400	95,500		
	kW	8.8	11.2	13.9	16.0	20.0	22.4	28.0		
Heating capacity	kcal/h	8,480	10,800	13,800	15,800	19,300	21,500	27,100		
	Btu/h	33,800	42,700	54,600	62,800	76,400	85,300	107,500		
	kW	9.9	12.5	16.0	18.4	22.4	25.0	31.5		
Power consumption	Cooling	kW		0.415	0.700	0.780	0.880	0.980	1.020	1.200
	Heating	kW		0.415	0.700	0.780	0.880	0.980	1.020	1.200
Casing		Galvanised steel plate								
Airflow rate (H)	ℓ/s	510	778	852	957	1,180	1,200	1,400		
	m³/min	30.6	46.7	51.1	57.4	70.8	72.0	84.0		
External static pressure	Pa	120*3								
Sound level (H)	240 V dB(A)	45	46	48	51					
Dimensions (HxWxD)	mm	360X1168X869		360X1478X899		500X1210X910		500X1410X910		
Machine weight	kg	50	60	65	66	77	79	98		
Piping connections	Liquid (Flare)	mm							φ9.5	
	Gas (Flare)	mm		φ15.9		φ19.1		φ22.2		
	Drain	VP25 (External Dia, 32/Internal Dia, 25)							BSP 3/4 inch internal thread	

Note: Specifications are based on the following conditions:
 •Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
 •Heating: Indoor temp.: 20°CDB, Outdoor temp.: 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 Book for details.)
 •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.
 •For FXDYQ models, an air filter is not a standard accessory. A suitable locally obtained filter must be installed in the return air duct.
 *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.

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	1,900	2,400	3,100	3,900	4,800	
	Btu/h	7,500	9,600	12,300	15,400	19,100	
	kW	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*1	Cooling	kW		0.056	0.060	0.151	0.128
	Heating	kW		0.069	0.073	0.182	0.203
Casing		Galvanised steel plate					
Airflow rate (HH/H/L)	ℓ/s	150/125/108		158/133/116	267/216/183	300/275/250	
	m³/min	9/7.5/6.5		9.5/8/7	16/13/11	18/16.5/15	
External static pressure	Pa	30-100 (50)*2		30-160 (100)*2	50-200 (100)*2		
Sound level (HH/H/L)	dB(A)	33/31/29		34/32/30	39/37/35	41/39/37	
Sound power (H)	dB(A)	51		52	57	59	
Dimensions (HxWxD)	mm	300x550x700			300x700x700	300x1,000x700	
Machine weight	kg	25		28	36		
Piping connections	Liquid (Flare)	mm					φ6.4
	Gas (Flare)	mm					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	6,100	7,700	9,600	12,000	13,800		
	Btu/h	24,200	30,700	38,200	47,800	54,600		
	kW	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*1	Cooling	kW		0.138	0.185	0.215	0.284	0.405
	Heating	kW		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 (100)*2				50-140 (100)*2		
Sound level (HH/H/L)	dB(A)	42/40/38	43/41/39		44/42/40	46/45/43		
Sound power (H)	dB(A)	60	61		62	64		
Dimensions (HxWxD)	mm	300x1,000x700		300x1,400x700				
Machine weight	kg	36		46		47		
Piping connections	Liquid (Flare)	mm					φ9.5	
	Gas (Flare)	mm					φ15.9	
	Drain	VP25 (External Dia, 32/Internal Dia, 25)						

Note: Specifications are based on the following conditions:
 •Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
 •Heating: Indoor temp.: 20°CDB, Outdoor temp.: 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 Book 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.
 *1: Power consumption values are based on conditions of rated external static pressure.
 *2: 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.

Specifications

VRV Indoor Units

Ceiling Mounted Duct Type



MODEL		FXMQ200MAVE	FXMQ250MAVE
Power supply		1-phase, 220-240 V/220 V, 50/60 Hz	
Cooling capacity	kcal/h	19,300	24,100
	Btu/h	76,400	95,500
	kW	22.4	28.0
Heating capacity	kcal/h	21,500	27,100
	Btu/h	85,300	107,500
	kW	25.0	31.5
Power consumption	Cooling kW	1.294*1	1.465*1
	Heating kW	1.294*1	1.465*1
Casing		Galvanised steel plate	
Airflow rate (H/L)	ℓ/s	966/833	1,200/1,033
	m³/min	58/50	72/62
External static pressure	Pa	132-221*2	191-270*2
Sound level (H/L) 240 V	dB(A)	49/45	
Dimensions (H×W×D)	mm	470×1,380×1,100	
Machine weight	kg	137	
Piping connections	Liquid (Flare)	φ9.5	
	Gas (Flare)	φ19.1	φ22.2
	Drain	PS1B	

Ceiling Suspended Type



MODEL		FXHQ32MAVE	FXHQ63MAVE	FXHQ100MAVE
Power supply		1-phase, 220-240 V/220 V, 50/60 Hz		
Cooling capacity	kcal/h	3,100	6,100	9,600
	Btu/h	12,300	24,200	38,200
	kW	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 kW	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)	φ6.4	φ9.5	
	Gas (Flare)	φ12.7	φ15.9	
	Drain	VP20 (External Dia, 26/Internal Dia, 20)		

Note: Specifications are based on the following conditions;

- Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
- Heating: Indoor temp.: 20°CDB, Outdoor temp.: 7°CDB, 6°CDB, 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 Book for details.)
- Sound level: (FXMQ-MA) Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre.
- (FXHQ-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

* 1: Power consumption values are based on conditions of rated external static pressure.

* 2: External static pressure is changeable to change over the switch inside electrical box, this pressure means "Standard-High static pressure".

Wall Mounted Type



MODEL		FXAQ20PVE	FXAQ25PVE	FXAQ32PVE	FXAQ40PVE	FXAQ50PVE	FXAQ63PVE
Power supply		1-phase, 220-240 V/220 V, 50/60 Hz					
Cooling capacity	kcal/h	1,900	2,400	3,100	3,900	4,800	6,100
	Btu/h	7,500	9,600	12,300	15,400	19,100	24,200
	kW	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	0.019	0.028	0.030	0.020	0.033	0.050
	Heating kW	0.029	0.034	0.035	0.020	0.039	0.060
Casing		White (3.0Y8.5/0.5)					
Airflow rate (H/L)	ℓ/s	125/75	133/83	142/91	200/150	250/200	316/233
	m³/min	7.5/4.5	8/5	8.5/5.5	12/9	15/12	19/14
Sound level (H/L)	dB(A)	35/31	36/31	38/31	39/34	42/37	47/41
Dimensions (H×W×D)	mm	290×795×238			290×1,050×238		
Machine weight	kg	11.0			14.0		
Piping connections	Liquid (Flare)	φ6.4					φ9.5
	Gas (Flare)	φ12.7					φ15.9
	Drain	VP13 (External Dia, 18/Internal Dia, 13)					

Floor Standing Type/Concealed Floor Standing Type



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	1,900	2,400	3,100	3,900	4,800	6,100
	Btu/h	7,500	9,600	12,300	15,400	19,100	24,200
	kW	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		0.090		0.110	
	Heating kW	0.049		0.090		0.110	
Casing		FXLQ: Ivory white (5Y7.5/1)/FXNQ: Galvanised steel plate					
Airflow rate (H/L)	ℓ/s	116/100		133/100	183/141	233/183	266/200
	m³/min	7/6		8/6	11/8.5	14/11	16/12
Sound level (H/L) 240 V	dB(A)	37/34			40/35	41/36	42/37
Dimensions (H×W×D)	FXLQ	600×1,000×222		600×1,140×222		600×1,420×222	
	FXNQ	610×930×220		610×1,070×220		610×1,350×220	
Machine weight	FXLQ	25.0		30.0		36.0	
	FXNQ	19.0		23.0		27.0	
Piping connections	Liquid (Flare)	φ6.4					φ9.5
	Gas (Flare)	φ12.7					φ15.9
	Drain	210.D.					

Note: Specifications are based on the following conditions;

- Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
- Heating: Indoor temp.: 20°CDB, Outdoor temp.: 7°CDB, 6°CDB, 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 Book for details.)
- Sound level: (FXAQ-P) Anechoic chamber conversion value, measured at a point 1 m in front of the unit and 1 m downward.
- (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.

During actual operation, these values are normally somewhat higher as a result of ambient conditions.

Specifications

Residential indoor units with connection to BP units

Ceiling Mounted Cassette Type



MODEL		FCQ35BVE	FCQ50BVE	FCQ60BVE	FCQ71BVE
Power supply		1-phase, 220-240 V/220 V, 50/60 Hz			
Airflow rate (H)	m ³ /min (ℓ/s)	14.0 (233)	15.0 (250)	19.0 (317)	
Sound level (H/L)*	dB (A)	33/29		35/30	
Sound power level (H)	dB (A)	48		50	
Fan speed		2 steps			
Temperature control		Microcomputer control			
Dimensions (H×W×D)	mm	230×840×840			
Machine weight	kg	24			
Piping connections	Liquid (Flare)	φ6.4			φ9.5
	Gas (Flare)	φ9.5	φ12.7		φ15.9
	Drain	I.D φ25×O.D φ32			
Heat insulation		Both liquid and gas pipes			
Panel (Option)	Model	BYC125K-W1			
	Colour	White			
	Dimensions (H×W×D)	40×950×950			
	Weight	5			

Note: * For 220 V operation.

Ceiling Mounted Cassette (Compact Multi Flow) Type

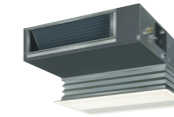
600 x 600



MODEL		FFQ25BV1B	FFQ35BV1B	FFQ50BV1B	FFQ60BV1B
Power supply		1-phase, 220-240 V, 50 Hz			
Airflow rate (H)	m ³ /min (ℓ/s)	9.0 (150)	10.0 (167)	12.0 (200)	15.0 (250)
Sound level (H/L)*	dB (A)	29.5/24.5	32/25	36/27	41/32
Sound power level (H)	dB (A)	46.5	49	53	58
Fan speed		2 steps			
Temperature control		Microcomputer control			
Dimensions (H×W×D)	mm	286×575×575			
Machine weight	kg	17.5			
Piping connections	Liquid (Flare)	φ6.4			
	Gas (Flare)	φ9.5	φ12.7		
	Drain	VP20 (External Dia. 26/Internal Dia. 20)			
Heat insulation		Both liquid and gas pipes			
Panel (Option)	Model	BYFQ60B3W1			
	Colour	White			
	Dimensions (H×W×D)	55×700×700			
	Weight	2.7			

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

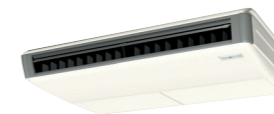
Ceiling Mounted Built-in Type



MODEL		FBQ60BV1	FBQ71BV1
Power supply		1-phase, 220-240 V, 50 Hz	
Airflow rate (H)	m ³ /min (ℓ/s)	17.0 (283)	19.0 (317)
Sound level (H/L)*	dB (A)	41/35	
Sound power level (H)	dB (A)	60	
Fan speed		2 steps	
Temperature control		Microcomputer control	
Dimensions (H×W×D)	mm	300×1,000×800	
Machine weight	kg	41	
Piping connections	Liquid (Flare)	φ6.4	φ9.5
	Gas (Flare)	φ12.7	φ15.9
	Drain	I.D φ25×O.D φ32	
Heat insulation		Both liquid and gas pipes	
Panel (Option)	Model	BYBS71DJW1	
	Colour	White	
	Dimensions (H×W×D)	55×1,100×500	
	Weight	4.5	

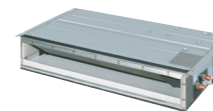
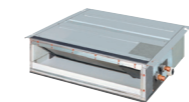
Note: * For 220 V operation.

Ceiling Suspended Type



MODEL		FHQ35BVV1B	FHQ50BVV1B	FHQ60BVV1B
Power supply		1 phase, 220-240 V, 50 Hz		
Front panel colour		White		
Airflow rate (H)	Cooling	13.0 (217)		17.0 (283)
	Heating	13.0 (217)		16.0 (267)
Sound level (H/L)	dB (A)	37/32	38/33	39/33
Sound power level (H/L)	dB (A)	53/48	54/49	55/49
Fan speed		2 steps		
Temperature control		Microcomputer control		
Dimensions (H×W×D)	mm	195×960×680		195×1,160×680
Machine weight	kg	24	25	27
Piping connections	Liquid (Flare)	φ6.4		
	Gas (Flare)	φ9.5	φ12.7	
	Drain	VP20 (External Dia. 26/Internal Dia. 20)		
Heat insulation		Both liquid and gas pipes		

Slim Ceiling Mounted Duct Type



MODEL		CDXS25EAVMA	CDXS35EAVMA	FDXS25CVMA	FDXS35CVMA	FDXS50CVMA	FDXS60CVMA	
Power supply		1-phase, 220-240 V/220-230 V, 50/60 Hz						
Airflow rate (H)	m ³ /min (ℓ/s)	8.7 (145)	9.5 (158)	10.0 (167)	12.0 (200)	16.0 (267)		
Sound level (H/L/SL)*	dB (A)	35/31/29			37/33/31			38/34/32
Sound power (H)	dB (A)	53			55			56
Fan speed		5 steps, quiet and automatic						
Temperature control		Microcomputer control						
Dimensions (H×W×D)	mm	200×700×620		200×900×620		200×1,100×620		
Machine weight	kg	21		25		27 30		
Piping connections	Liquid (Flare)	φ6.4						
	Gas (Flare)	φ9.5			φ12.7			
	Drain	VP20 (External Dia. 26/Internal Dia. 20)						
Heat insulation		Both liquid and gas pipes						
External static pressure	Pa	30			40			

Note: * The operation sound level values represent those for rear-suction operation and an external static pressure of 30 Pa for CDXS-EA and 40 Pa for FDXS-C. Sound level values for bottom-suction operation can be obtained by adding 6 dB (A) for CDXS-EA and 5 dB (A) for FDXS-C.

Specifications

Residential indoor units with connection to BP units

Wall Mounted Type



MODEL		CTXG25PVMAW	CTXG25PVMAS	CTXG35PVMAW	CTXG35PVMAS	CTXG50PVMAW	CTXG50PVMAS
Power supply		1-phase, 220-240 V/220-230 V, 50/60 Hz					
Front panel colour		White	Silver	White	Silver	White	Silver
Airflow rate (H)	Cooling	8.3 (138)		10.6 (177)		10.8 (180)	
	Heating	10.4 (173)		11.9 (198)		12.4 (207)	
Sound level (H/L/SL)	Cooling	38/25/21		45/26/22		46/35/32	
	Heating	41/28/21		45/29/22		47/35/32	
Sound power (H)	Cooling	54		61		62	
	Heating	57		61		63	
Fan speed		5 steps, quiet and automatic					
Temperature control		Microcomputer control					
Dimensions (HxWxD)		mm 303x998x212					
Machine weight		kg 12					
Piping connections	Liquid (Flare)	mm ϕ 6.4					
	Gas (Flare)	ϕ 9.5		ϕ 12.7			
	Drain	ϕ 18.0					
Heat insulation		Both liquid and gas pipes					

Wall Mounted Type



MODEL		FTXS20KVMA	FTXS25KVMA	FTXS35KVMA	FTXS50KVMA	FTXS60KVMA	FTXS71KVMA
Power supply		1-phase, 220-240 V/220-230 V, 50/60 Hz					
Front panel colour		White					
Airflow rate (H)	Cooling	9.7 (161)	11.3 (188)	14.7 (245)	16.2 (270)	17.4 (290)	21.5 (358)
	Heating*	10.5 (175)	11.5 (191)	16.2 (270)	17.4 (290)	21.5 (358)	21.5 (358)
Sound level (H/L/SL)	Cooling	38/25/22	42/26/23	44/35/32	45/36/33	46/37/34	46/37/34
	Heating*	39/28/25	42/29/26	42/33/30	44/35/32	46/37/34	46/37/34
Sound power (H)	Cooling	54	58	60	61	62	62
	Heating*	55	58	60	61	62	62
Fan speed		5 steps, quiet and automatic					
Temperature control		Microcomputer control					
Dimensions (HxWxD)		mm 295x800x215			290x1,050x250		
Machine weight		kg 9	10	12			
Piping connections	Liquid (Flare)	mm ϕ 6.4					
	Gas (Flare)	ϕ 9.5		ϕ 12.7		ϕ 15.9	
	Drain	I.D. ϕ 14.0/O.D. ϕ 18.0					
Heat insulation		Both liquid and gas pipes					

Floor Standing Type



MODEL		FVXS25KV1A	FVXS35KV1A	FVXS50KV1A
Power supply		1 phase, 220-240 V, 50 Hz		
Front panel colour		White		
Airflow rate (H)	Cooling	8.2 (137)	8.5 (142)	10.7 (178)
	Heating	8.8 (147)	9.4 (157)	11.8 (197)
Sound level (H/L/SL)	Cooling	38/26/23	39/27/24	44/36/32
	Heating	38/26/23	39/27/24	45/36/32
Sound power (H)	Cooling	47	48	53
	Heating	47	48	54
Fan speed		5 steps, quiet and automatic		
Temperature control		Microcomputer control		
Dimensions (HxWxD)		mm 600 x 700 x 210		
Machine weight		kg 14		
Piping connections	Liquid (Flare)	mm ϕ 6.4		
	Gas (Flare)	ϕ 9.5		ϕ 12.7
	Drain	ϕ 20.0		
Heat insulation		Both liquid and gas pipes		

Floor/Ceiling Suspended Dual Type



MODEL		FLXS25BVMA	FLXS35GVMA	FLXS50GVMA	FLXS60GVMA
Power supply		1 phase, 220-240 V/220-230 V, 50/60 Hz			
Front panel colour		Almond white			
Airflow rate (H)	Cooling	7.6 (126)	8.6 (143)	11.4 (190)	12.0 (200)
	Heating	9.2 (153)	9.8 (163)	12.1 (202)	12.8 (213)
Sound level (H/L/SL)	Cooling	37/31/28	38/32/29	47/39/36	48/41/39
	Heating	37/31/29	39/33/30	46/35/33	47/37/34
Sound power (H)	Cooling	53	54	63	64
	Heating	53	55	62	63
Fan speed		5 steps, quiet and automatic			
Temperature control		Microcomputer control			
Dimensions (HxWxD)		mm 490 x 1,050 x 200			
Machine weight		kg 16	17		
Piping connections	Liquid (Flare)	mm ϕ 6.4			
	Gas (Flare)	ϕ 9.5		ϕ 12.7	
	Drain	ϕ 18.0			
Heat insulation		Both liquid and gas pipes			

BP Units for connection to residential indoor units



MODEL		BPMKS967A3	BPMKS967A2
Power supply		1-phase, 220-240 V/220-230 V, 50/60 Hz	
Power consumption	W	10	
Running current	A	0.05	
Dimensions (HxWxD)		mm 180x294 (+356*)x350	
Machine weight		kg 8	7.5
Number of wiring connections		3 for power supply (including earth wiring), 2 for interunit wiring (outdoor unit-BP, BP-BP), 4 for interunit wiring (BP-indoor unit)	
Piping connections (Brazing)	Liquid	Main	mm ϕ 9.5x1
		Branch	ϕ 6.4x3
	Gas	Main	ϕ 19.1x1
		Branch	ϕ 15.9x2
Heat insulation		Both liquid and gas pipes	
Connectable indoor units		2.5 kW class to 7.1 kW class	
Min. rated capacity of connectable indoor units	kW	2.0	
Max. rated capacity of connectable indoor units	kW	20.8	14.2

Note: * Total auxiliary piping length.

Specifications

Outdoor Units

VRV IV S SERIES

Heat Pump



MODEL		RXYMQ3AV4A	RXYMQ4AV4A	RXYMQ5AV4A	RXYMQ6AV4A	RXYMQ8AY1	RXYMQ9AY1
Power supply		1-phase, 230-240 V, 50 Hz				3-phase, 380-415 V, 50 Hz	
Cooling capacity	kcal/h	7,740	9,600	12,000	13,800	19,300	20,600
	Btu/h	30,700	38,200	47,800	54,600	76,400	81,900
	kW	9.0	11.2	14.0	16.0	22.4	24.0
Heating capacity	kcal/h	8,600	10,800	12,000	15,500	21,500	22,400
	Btu/h	34,100	42,700	47,800	61,400	85,300	88,700
	kW	10.0	12.5	14.0	18.0	25.0	26.0
Power consumption	Cooling	2.44	2.88	3.93	4.14	5.94	6.88
	Heating	2.28	2.60	3.04	4.07	6.25	6.82
Capacity control	%	24 to 100		16 to 100		20 to 100	
Casing colour		Ivory white (5Y7.5/1)					
Compressor	Type	Hermetically sealed swing type			Hermetically sealed scroll type		
	Motor output	1.92		3.0	3.5	3.8	4.8
Airflow rate	ℓ/s	1,267		1,767	2,333		
	m³/min	76		106	140		
Dimensions (HxWxD)	mm	990x940x320		1,345x900x320	1,430x940x320		
Machine weight	kg	71		82	104	138	
Sound level (Cooling/Heating)	dB(A)	51/52	52/54	53/54	55/56	57/58	58/59
Sound power	dB(A)	69	70	71	73	75	76
Operation range	Cooling °CDB	-5 to 46					
	Heating °CWB	-20 to 15.5					
Refrigerant	Type	R-410A					
	Charge	2.9	3.4	3.6	5.8		
Piping connections	Liquid	φ9.5 (Flare)			φ9.5 (Brazing)		
	Gas	φ15.9 (Flare)		φ19.1 (Flare)	φ19.1 (Brazing)	φ22.2 (Brazing)	

Note: Specifications are based on the following conditions:

- Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
 - Heating: Indoor temp.: 20°CDB, Outdoor temp.: 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.

Outdoor unit combinations

MODEL		RXYMQ3AV4A	RXYMQ4AV4A	RXYMQ5AV4A	RXYMQ6AV4A	RXYMQ8AY1	RXYMQ9AY1
kW		9.0	11.2	14.0	16.0	22.4	24.0
Class		3.5	4	5	6	8	9
Capacity index		80	100	125	150	200	215
Total capacity index of connectable indoor units	Combination (%)	50%	40	50	62.5	75	107.5
		100%	80	100	125	150	215
		130%	104	130	162.5	195	260
Maximum number of connectable indoor units		5	6	8	9	13	14

The following current VRV III S model is also available

VRV III S SERIES

Heat Pump



MODEL		RXYMQ5PV4A	
Power supply		1-phase, 230-240 V, 50 Hz	
Cooling capacity	Kcal/h	12,000	
	Btu/h	47,800	
	kW	14.0	
Heating capacity	Kcal/h	13,800	
	Btu/h	54,600	
	kW	16.0	
Power consumption	Cooling	3.97	
	Heating	4.09	
Capacity control	%	24 to 100	
Casing colour		Ivory white (5Y7.5/1)	
Compressor	Type	Hermetically sealed scroll type	
	Motor output	3.0	
Airflow rate	ℓ/s	1,767	
	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)	51/53	
Sound power	dB(A)	69	
Operation range	Cooling °CDB	-5 to 46	
	Heating °CWB	-20 to 15.5	
Refrigerant	Type	R-410A	
	Charge	4.0	
Piping connections	Liquid	φ 9.5 (Flare)	
	Gas	φ 15.9 (Flare)	

Note: Specifications are based on the following conditions:

- Cooling: Indoor temp.: 27°CDB, 19.5°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
 - Heating: Indoor temp.: 20°CDB, Outdoor temp.: 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.

Please refer to the VRV III S series brochure and Engineering Data Book for more information.

Option List

VRV Indoor Units

Floor Standing Type

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

Concealed Floor Standing Type

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

Residential Indoor Units with connection to BP units

Ceiling Mounted Cassette Type

No.	Item	Type	FCQ35BVE	FCQ50BVE	FCQ60BVE	FCQ71BVE
1	Decoration panel			BYC125K-W1		
2	Panel spacer			KDBP55H160WA		
3	Fresh air intake kit	Chamber type		KDD55DA160		
		Without T-shaped pipe and fan*1		KDD55DA160K		
		With T-shaped pipe, without fan*2		KDDJ55XA160		
4	High-efficiency filter	Direct installation type*3		KAF556DA80		
		(Colourimetric method 65%)		KAF557DA80		
5	Replacement high-efficiency filter	(Colourimetric method 90%)		KAFP552B80		
		(Colourimetric method 65%)		KAFP553B80		
6	High-efficiency filter chamber			KDDF55DA160		
7	Replacement long-life filter			KAF551KA160		
8	Branch duct chamber			KDJ55K80		

Notes: *1. With a suction chamber. Fresh air intake is from 2 holes on the sides of the connection chamber. (This method should be selected if a wireless remote controller is used).
 *2. Without a suction chamber. Fresh air intake is from 2 holes on the connection chamber via a T-shaped pipe connection. (A wireless remote controller cannot be used in this case).
 *3. Without a suction chamber. Fresh air intake is directly from a hole on the main unit.

Ceiling Mounted Cassette (Compact Multi Flow) Type

No.	Item	Type	FFQ25BV1B	FFQ35BV1B	FFQ50BV1B	FFQ60BV1B
1	Decoration panel			BYFQ60B3W1		
2	Replacement long-life filter			KAFQ441BA60		
3	Fresh air intake kit	Direct installation type		KDDQ44XA60		
4	Sealing material for air discharge outlet			KDBH44BA60		
5	Panel spacer			KDBQ44BA60A		

Ceiling Mounted Built-in Type

No.	Item	Type	FBQ60BV1	FBQ71BV1
1	Decoration panel			BYBS71DJW1
2	Service access panel			KTb25KA80W
3	High-efficiency filter	(Colourimetric method 65%)		KAF252LA80
		(Colourimetric method 90%)		KAF253LA80
4	Replacement long-life filter	Resin net		KAFJ251K80
5	Filter chamber for bottom suction			KAJ25LA80D
6	Filter chamber for rear suction			KAJ25LA80B
7	Canvas duct			KSA-25KA80
8	Discharge grille	ø150		K-DG5DW
		ø200		K-DG9DW
9	Discharge chamber	ø150		K-DGC5D
		ø200		K-DGC9D
10	Branch duct	ø150 → ø200		K-DDV20B15
11	Flexible duct	ø150	K-FDS151D(1m)/K-FDS152D(2m)/K-FDS153D(3m)/K-FDS154D(4m)/K-FDS155D(5m)/K-FDS156D(6m)	
		ø200	K-FDS201D(1m)/K-FDS202D(2m)/K-FDS203D(3m)/K-FDS204D(4m)/K-FDS205D(5m)/K-FDS206D(6m)	
12	Blind board			KBBJ25KA80
13	Adaptor for discharge			KDAJ25K71A
14	Flange for suction			KDJ2507K80

Ceiling Suspended Type

No.	Item	Type	FHQ35BVV1B	FHQ50BVV1B	FHQ60BVV1B
1	Replacement long-life filter		KAF501DA56		KAFJ501DA80
2	Drain up kit		KDU50N60VE		
3	L-type piping kit (For upward direction)		KHFP5MA35	KHFP5MA63	

Slim Ceiling Mounted Duct Type

No.	Item	Type	CDXS25EAVMA	CDXS35EAVMA	FDXS25CVMA	FDXS35CVMA	FDXS50CVMA	FDXS60CVMA
1	Insulation kit for high humidity		KDT25N32		KDT25N50		KDT25N63	

Wall Mounted Type

No.	Item	Type	CTXG25PVMMAW CTXG25PVMAS	CTXG35PVMMAW CTXG35PVMAS	CTXG50PVMMAW CTXG50PVMAS	FTXS20KVMA	FTXS25KVMA	FTXS35KVMA	FTXS50KAVMA	FTXS60KAVMA	FTXS71KAVMA
1	Titanium apatite photocatalytic air-purifying filter		KAF970A46								

Note: Filter is a standard accessory. It should be replaced approximately every 3 years.

Floor Standing Type

No.	Item	Type	FVXS25KV1A	FVXS35KV1A	FVXS50KV1A
1	Titanium apatite photocatalytic air-purifying filter		KAF968A42		

Note: Filter is a standard accessory. It should be replaced approximately every 3 years.

Floor/Ceiling Suspended Dual Type

No.	Item	Type	FLXS25BVMA	FLXS35GVMA	FLXS50GVMA	FLXS60GVMA
1	Photocatalytic deodorising filter with frame*1			KAZ917B41		
2	Photocatalytic deodorising filter without frame*1			KAZ917B42		
3	Air-purifying filter with frame*2			KAF925B41		
4	Air-purifying filter without frame*2			KAF925B42		

Note: *1. The photocatalytic deodorising filter is a standard accessory. It can be reused indefinitely if it is exposed to direct sunlight once every 6 months. This accessory is only required if the original filter is damaged or lost, etc.
 *2. The air-purifying filter is a standard accessory. It should be replaced approximately once every 3 months. This accessory is required for the replacement of filters.

BP Units for connection to residential indoor units

No.	Item	Type	BPMKS967A2	BPMKS967A3
1	REFNET joint		KHRP26A22T	

Note: A single BP unit does not require a REFNET joint. 2 BP units require only 1 REFNET joint, and 3 BP units require only 2 REFNET joints.

Outdoor Units

No.	Item	Type	RXYMQ3AV4A	RXYMQ4AV4A	RXYMQ5AV4A	RXYMQ6AV4A	RXYMQ8AY1	RXYMQ9AY1	
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					KHRP26A22T, KHRP26A33T	
4	Central drain plug		KKPJ5G280		KKPJ5F180		KKPJ5G280		
5	Fixture for preventing overturning		KKTP5B112		KPT-60B160		KKTP5B112		
6	Wire fixture for preventing overturning							K-KYZP15C	

Option List

Control Systems

Operation Control System Optional Accessories

For VRV indoor unit use

No.	Item	Type	FXFQ-S	FXFQ-P	FXZQ-M	FXUQ-A	FXCQ-M	FXKQ-MA	FXDQ-PB FXDQ-NB	FXDQ-SP	
1	Remote controller	Wireless	BRC7F634F	BRC7E530W	BRC7CB58	BRC7C62	BRC4C61	BRC4C65			
2	"Nav Ease" (Wired remote controller)		BRC1E62 Note 7								
3	Simplified remote controller (Exposed type)		-								
4	Remote controller for hotel use (Concealed type)		-								
5	Adaptor for wiring		BRC2C51								
6-1	Wiring adaptor for electrical appendices (1)		★KRP2A62	★KRP2A62	-	★KRP2A61	KRP2A61	★KRP2A53	-		
6-2	Wiring adaptor for electrical appendices (2)		★KRP4AA53	★KRP4AA53	★KRP4AA53	★KRP4AA51	KRP4AA51	★KRP4A54	-		
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	KRP1BA97	Note 2, 3 KRP1B96	-	Note 4, 6 KRP1BA101	-		
9	External control adaptor for outdoor unit		★DTA104A62	★DTA104A62	-	★DTA104A61	DTA104A61	★DTA104A53	-		
10	Adaptor for multi tenant		★DTA114A61	-							

No.	Item	Type	FXSYQ-M	FXDYQ-M(A)	FXMQ-P	FXMQ-MA	FXHQ-MA	FXAQ-P	FXLQ-MA FXNQ-MA	
1	Remote controller	Wireless	BRC4C62	BRC4C65	BRC4C62	BRC7EA63W	BRC7EA618	BRC4C62		
2	"Nav Ease" (Wired remote controller)		BRC1E62 Note 7							
3	Simplified remote controller (Exposed type)		BRC2C51							
4	Remote controller for hotel use (Concealed type)		BRC3A61							
5	Adaptor for wiring		KRP1B61	★KRP1C64	KRP1B61	KRP1BA54	-	KRP1B61		
6-1	Wiring adaptor for electrical appendices (1)		KRP2A61	★KRP2A61	KRP2A61	★KRP2A62	★KRP2A61	KRP2A61		
6-2	Wiring adaptor for electrical appendices (2)		KRP4AA51	★KRP4AA51	KRP4AA51	★KRP4AA52	★KRP4AA51	KRP4AA51		
7	Remote sensor (for indoor temperature)		KRCS01-1B	KRCS01-4B	KRCS01-1B					
8	Installation box for adaptor PCB☆		Note 5 KRP4A91	-	Note 2, 3 KRP4A96	-	Note 3 KRP1CA93	Note 2, 3 KRP4AA93	-	
9	External control adaptor for outdoor unit		DTA104A61	★DTA104A61	DTA104A61	★DTA104A62	★DTA104A61	DTA104A61		
10	Adaptor for multi tenant		-	★DTA114A61	-	-	★DTA114A61	-		

- Notes: 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.
 7. Individual airflow direction, auto airflow rate and sensing sensor control can be set only via wired remote controller BRC1E62. Cannot be set via other remote controllers.

For residential indoor unit use

No.	Item	Type	FCQ-B	FFQ-B	FBQ-B	FHQ-B	CDXS-EA FDXS-C	CTXG-P FTXS-K(A)	FVXS-K	FLXS-B FLXS-G	
1	Remote controller	Wired Note 1	BRC1E62				BRC944B2 Note 2	-			
		Wireless	BRC7C612W	BRC7E530W	-	BRC7EA63W	- Note 3				
2	Wired remote controller cord		-								
		Length 3 m (shielded wire)	-								
		Length 8 m (shielded wire)	-								
3	Adaptor for wiring		Note 4 KRP1BA57	Note 5 KRP1BA57	KRP1BA54						
4	Wiring adaptor for electrical appendices		Note 4 KRP4AA53	Note 5 KRP4AA53	KRP4AA51	KRP4AA52	-				
5	Installation box for adaptor PCB		KRP1B98	KRP1BA101	-	KRP1CA93	-				
6	Remote sensor (for indoor temperature)		-	KRCS01-1B	-						
7	Wiring adaptor for time clock/remote controller Note 6 (Normal open pulse contact/normal open contact)		-								
8	Remote controller loss prevention chain		-				KKF917A4	KKF910A4	KKF917A4		

- Notes: 1. Wiring for wired remote controller should be obtained locally.
 2. 3 m (BRCW901A03) or 8 m (BRCW901A08) length wired remote controller cord is necessary.
 3. A wireless remote controller is a standard accessory for C(F)DXS, CTXG, FTXS, FVXS and FLXS models.
 4. Installation box for adaptor PCB (KRP1B98) is necessary.
 5. Installation box for adaptor PCB (KRP1BA101) is necessary.
 6. Time clock and other devices should be obtained locally.

System Configuration

No.	Item	Type	Model No.	Function
1	Residential central remote controller		Note 2 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		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	• 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	Unified ON/OFF controller		DCS301BA61	• 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.
3-1	Electrical box with earth terminal (2 blocks)		KJB212AA	
3-2	Noise filter (for electromagnetic interface use only)		KEK26-1A	
4	Schedule timer		DST301BA61	
5	5-room centralised controller for residential indoor units	For C(F)DXS, CTXG, FTXS, FVXS, FLXS	Note 3 KRC72A	• Up to 5 indoor units can be controlled. This is a low cost system which can only control ON/OFF.
6	Interface adaptor for residential indoor units	For C(F)DXS, CTXG, FTXS, FVXS, FLXS	KRP928BB2S	• 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.
7	Interface adaptor for SkyAir-series		Note 4 ★DTA112BA51	
8	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.
9	Wiring adaptor for other air-conditioner		★DTA103A51	
10	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.
10-1	Mounting plate		KRP4A92	• Fixing plate for DTA109A51

- Notes: 1. Installation box for ★ adaptor must be obtained locally.
 2. For residential use only. Cannot be used with other centralised control equipment.
 3. A wiring adaptor (KRP413AB1S) is also required for each indoor unit.
 4. No adaptor is required for some indoor units.

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		Option Hardware DIII-NET plus adaptor	DCS601A52	• Additional 64 groups (10 outdoor units) is possible.
1-2	Electrical box with earth terminal (4 blocks)		KJB411A	• Wall embedded switch box.
2		Basic Hardware intelligent Touch Manager	DCM601A51	• Air-conditioning management system that can be controlled by touch screen.
2-1		Option Hardware iTM plus adaptor	DCM601A52	• Additional 64 groups (10 outdoor units) is possible. Max. 7 iTM plus adaptors can be connected to intelligent Touch Manager.
2-2		Option Software iTM power proportional distribution	DCM002A51	• Power consumption of indoor units are calculated based on operation status of the indoor unit and outdoor unit power consumption measured by kWh metre.
2-3		Option Software iTM energy navigator	DCM008A51	• Building energy consumption is visualised. Wasted air-conditioning energy can be found out.
2-4		Option Software BACnet client	DCM009A51	• BACnet equipment can be managed by intelligent Touch Manager.
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		*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		Optional DIII board	DAM411B51	• Expansion kit, installed on DMS502B51, to provide 2 more DIII-NET communication ports. Not usable independently.
3-2		Optional Di board	DAM412B51	• Expansion kit, installed on DMS502B51, to provide 16 more wattmeter pulse input points. Not usable independently.
4		*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		Modbus Communication Adaptor	DTA116A51	• Use of the Modbus protocol enables the connection of the VRV system with a variety of Modbus Communication systems from other manufacturers.
6	Contact/analogue signal	Unification adaptor for computerised control	★DCS302A52	• Interface between the central monitoring board and central control units.

- Notes: *1. BACnet® is a registered trademark of American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE).
 *2. LonWorks® is a trademark of Echelon Corporation registered in the United States and other countries.
 *3. Installation box for ★ adaptor must be obtained locally.

Control Systems

Individual Control Systems for VRV Indoor Units

“Nav Ease” (Wired remote controller) (Option)

This simple, contemporary remote controller with fresh white colour matches your interior design. The clear, backlight display with large easy-to-read text makes navigation easy and provides one-touch control over your in-home comfort.

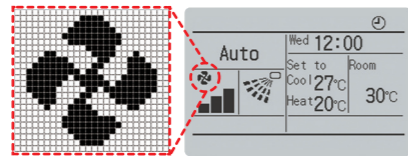


BRC1E62

Clear display

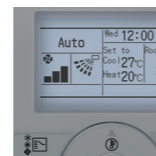
•Dot matrix display

· A combination of fine dots enables various icons. Large text display is easy to see.



•Backlight display

· Backlight display helps operating in dark rooms.



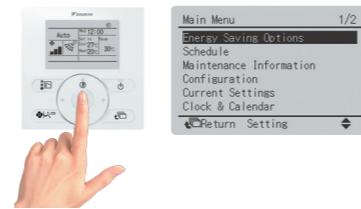
Simple operation

•Large buttons and arrow keys

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

•Guide on display

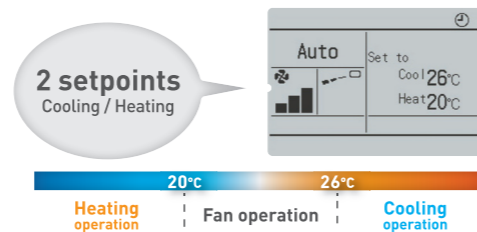
· The display gives an explanation of each setting for easy operation.



Energy saving

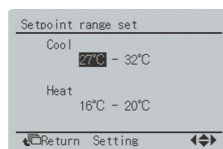
•Auto operation mode

· Until now only the temperature for one point could be set, but now the new remote controller (BRC1E62) allows the setting of both Cooling and Heating, and with the fan operation, mid-range temperatures are comfortable and operation is more energy efficient.



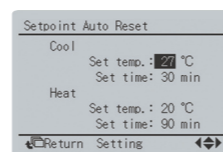
•Setpoint range set

· Saves energy by limiting the min. and max. set temperature.
· Avoids excessive cooling or heating.
· This function is convenient when the remote controller is installed at a place where any number of people may operate it.

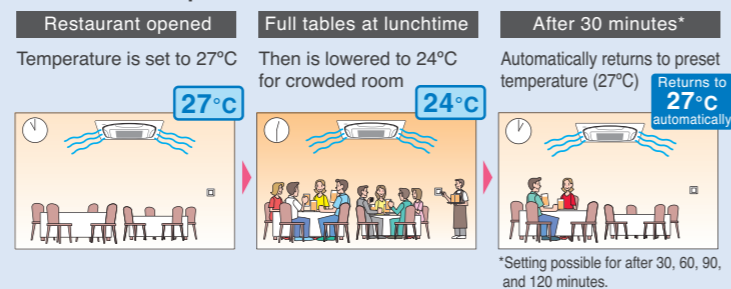


•Setpoint auto reset

· Even if the set temperature is changed, it returns to the preset temperature after a preset period of time.
· Period selectable from 30 min/60 min/90 min/120 min.



Restaurant sample



•Off timer

· Turns off the air conditioner after a preset period of time.
· Period can be preset from 30 to 180 minutes in 10-minute increments.

Convenience

•Setback (default:OFF)

Maintains the room temperature in a specific range during unoccupied period by temporarily starting air conditioner that was turned OFF.

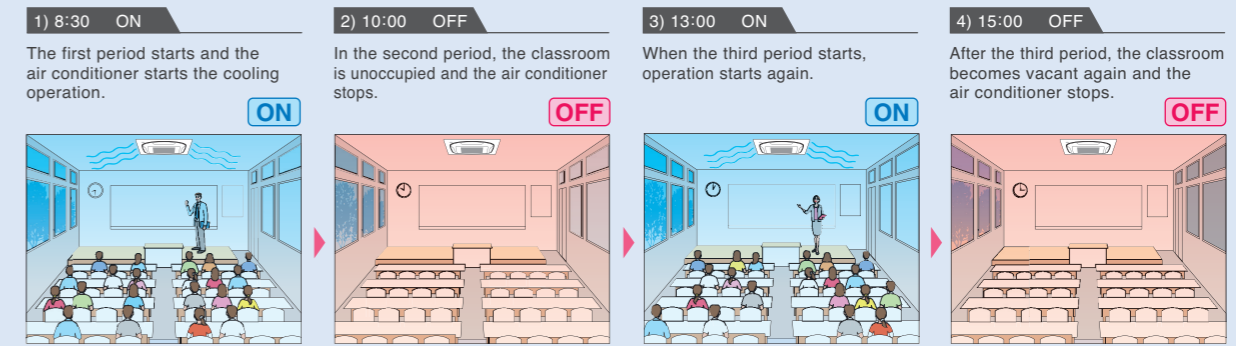
Ex) Setback temperature Cooling : 35°C Recovery differential Cooling : -2°C
When the room temperature goes above 35°C, the air conditioner starts operating in Cooling automatically. When room temperature reaches 33°C, the air conditioner returns OFF.

	Setback temperature	Recovery differential
Cooling	33 — 37°C	-2 — -8°C
Heating	10 — 15°C	+2 — +8°C

•Weekly schedule

· 5 actions per day can be scheduled for each day of the week.
· The holiday function will disable schedule timer for the days that have been set as holiday.
· 3 independent schedules can be set. (e.g. summer, winter, mid-season)

College classroom sample (a summer Monday case)



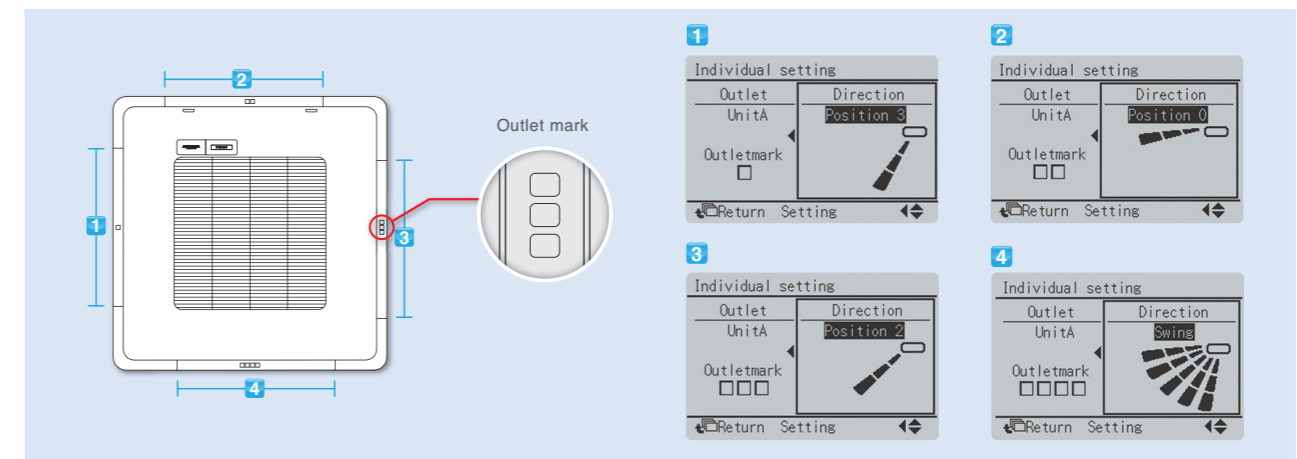
•Multilingual display

· 11 display languages are available. (English, German, French, Spanish, Italian, Portuguese, Greek, Dutch, Russian, Turkish and Polish)

Comfort

•Individual airflow direction (*1)

Airflow direction of each of the four air outlets can be controlled individually. (Positions 0 to 4, Swing, and No individual setting are selectable.)



•Auto airflow rate (*1)

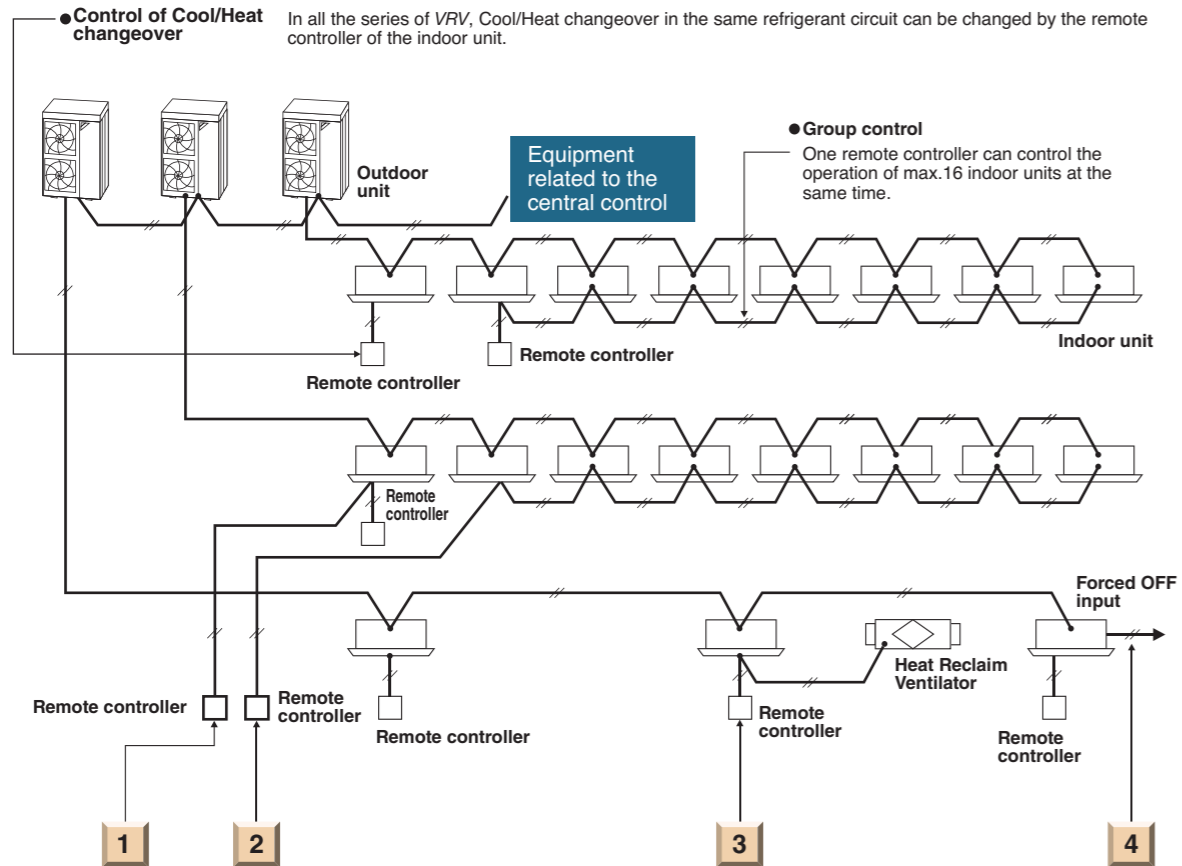
Airflow rate is automatically controlled in accordance with the difference between room temperature and set temperature.

*1 Only available for VRV 4-Way Flow Ceiling Suspended type FXUQ-A series and Ceiling Mounted Cassette (Round Flow with Sensing) type FXFQ-S series.

Control Systems

Individual Control Systems for VRV Indoor Units

The wired remote controller supports a wide range of control functions



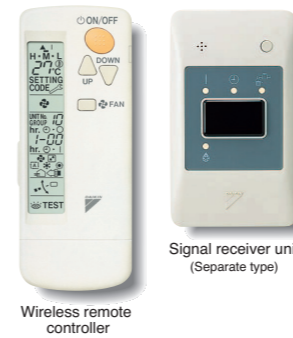
1 Control by two remote controller
The indoor unit can be connected by the two remote controller, for example one in the room and the other one in the control room, which can control the operation of indoor unit freely. (The last command has a priority.) Of course, the group control by two remote controller is also possible.

2 Remote control
The wiring of remote controller can be extended to max. 500 m and it is possible to install the remote controllers for the different indoor units in one place.

3 Control for the combined operation
The operation of Heat Reclaim Ventilator can be controlled by the remote controller of the indoor unit. Of course, the remote controller can display the time to clean the filter.

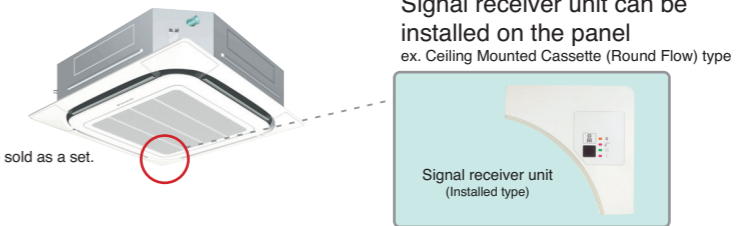
4 Expansion of system control
The system can be expanded to add several controllers, such as BMS, Forced OFF input and etc.

Wireless remote controller (Option)



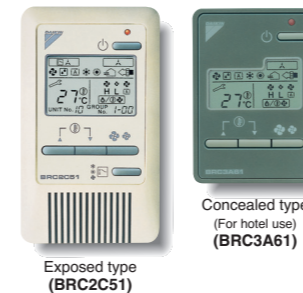
Wireless remote controller
Signal receiver unit (Separate type)

- The same operation modes and settings as with wired remote controllers are possible.
* Individual airflow direction, auto airflow rate and sensing sensor control can be set only via wired remote controller BRC1E62. Cannot be set via other remote controllers.
- 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.



Signal receiver unit (Installed type)

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 VRV indoor units

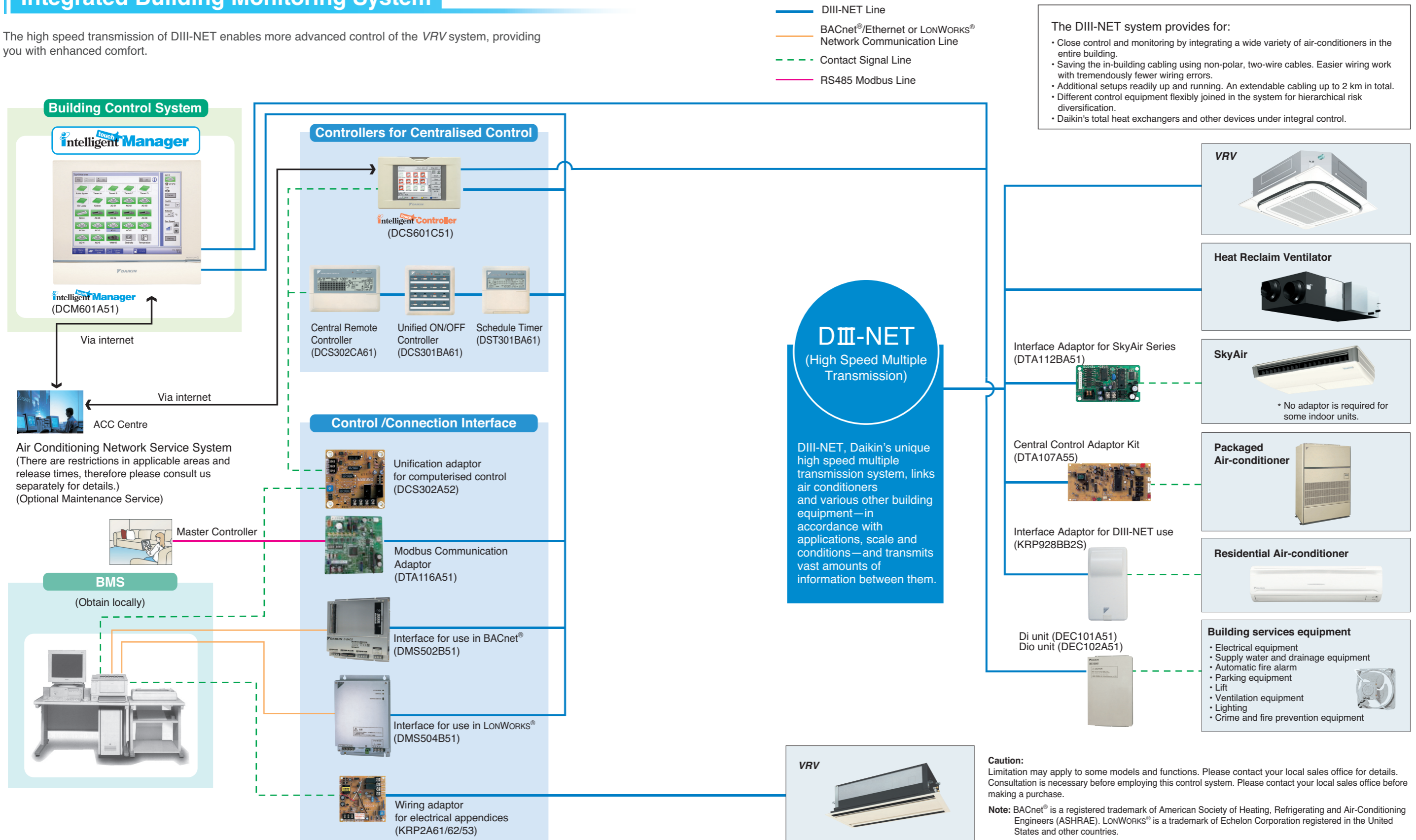
	FXFQ-S	FXFQ-P	FXZQ	FXCQ	FXUQ	FXKQ	FXDQ-PB/NB	FXDQ-SP	FXSYQ	FXDYQ	FXMQ	FXHQ	FXAQ	FXL(N)Q
"Nav Ease" (Wired remote controller) (BRC1E62)	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Wireless remote controller* (Installed type signal receiver unit)	●	●	●	●	●							●	●	
Wireless remote controller* (Separate type signal receiver unit)						●	●	●	●	●	●			●
Simplified remote controller (Exposed type) (BRC2C51)							●		●	●	●			●
Simplified remote controller (Concealed type: for Hotel use) (BRC3A61)							●		●	●	●			●

*Refer to page 57 for the name of each model.

Control Systems

Integrated Building Monitoring System

The high speed transmission of DIII-NET enables more advanced control of the VRV system, providing you with enhanced comfort.



The DIII-NET system provides for:

- Close control and monitoring by integrating a wide variety of air-conditioners in the entire building.
- Saving the in-building cabling using non-polar, two-wire cables. Easier wiring work with tremendously fewer wiring errors.
- Additional setups readily up and running. An extendable cabling up to 2 km in total.
- Different control equipment flexibly joined in the system for hierarchical risk diversification.
- Daikin's total heat exchangers and other devices under integral control.

DIII-NET
(High Speed Multiple Transmission)

DIII-NET, Daikin's unique high speed multiple transmission system, links air conditioners and various other building equipment—in accordance with applications, scale and conditions—and transmits vast amounts of information between them.

Caution:
Limitation may apply to some models and functions. Please contact your local sales office for details. Consultation is necessary before employing this control system. Please contact your local sales office before making a purchase.

Note: BACnet® is a registered trademark of American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE). LONWORKS® is a trademark of Echelon Corporation registered in the United States and other countries.

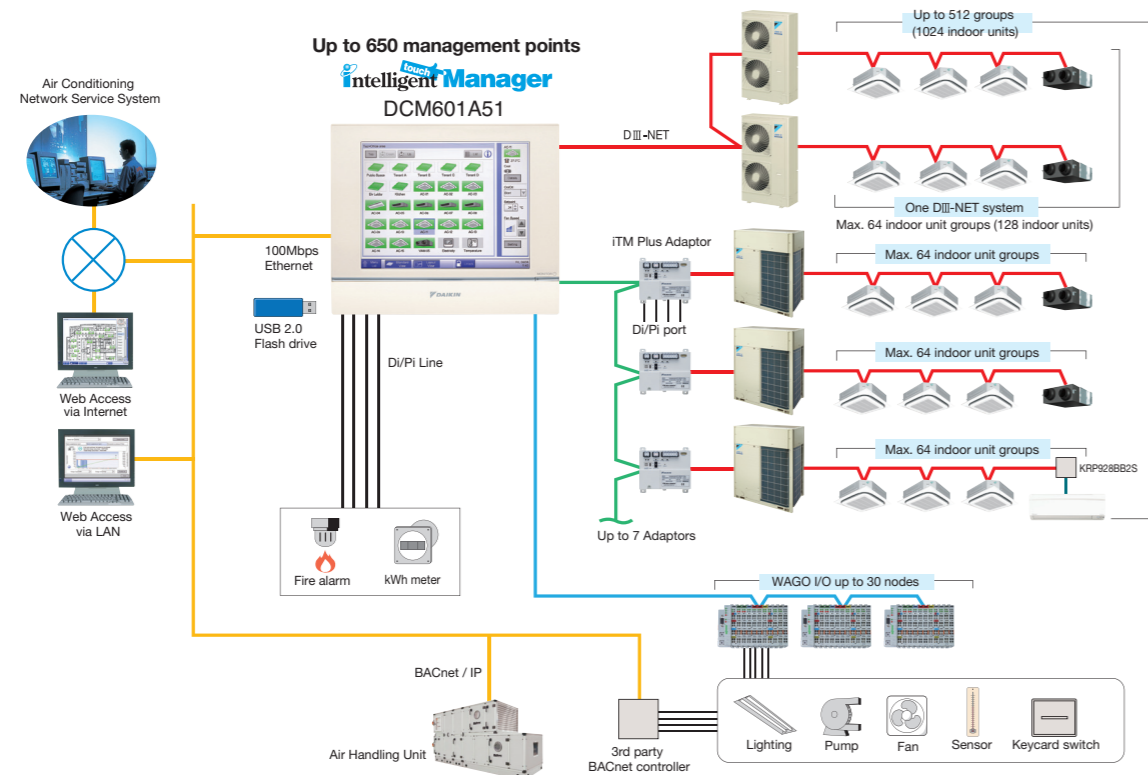
Control Systems

Advanced Control Systems for VRV Indoor Units

Intelligent Touch Manager

intelligent Touch Manager maximises the advantages of VRV features

intelligent Touch Manager System Overview



Central control

- Handy area settings simplify detailed management of VRV system.
- Display of floor plans enables a quick search of desired air conditioning units.
- Operation history shows manner of control and origin in past operations of air conditioning units.

Remote access

- Remote access with a PC allows total air conditioning management using the same type of screens as those displayed in the intelligent Touch Manager.
- Authorised users can centrally control individual air conditioning units from their own computers.

Automatic control

- VRV systems are controlled automatically throughout the year by the schedule function.
- Interlocking VRV system and other equipment enables easy automation of building facilities operation.
- Setback adjusts temperature settings even when rooms are unoccupied.

Energy management

- The Energy Navigator feature simplifies energy management by tracking energy consumption data and identifying inefficient operation.

Troubleshooting

- Contact information of maintenance contractors can be registered and displayed.
- E-mails are sent automatically to alert of malfunctions and potential trouble.
- The intelligent Touch Manager can link to the Air Conditioning Network Service System for 24-hour monitoring of operating conditions and status.

Scalability

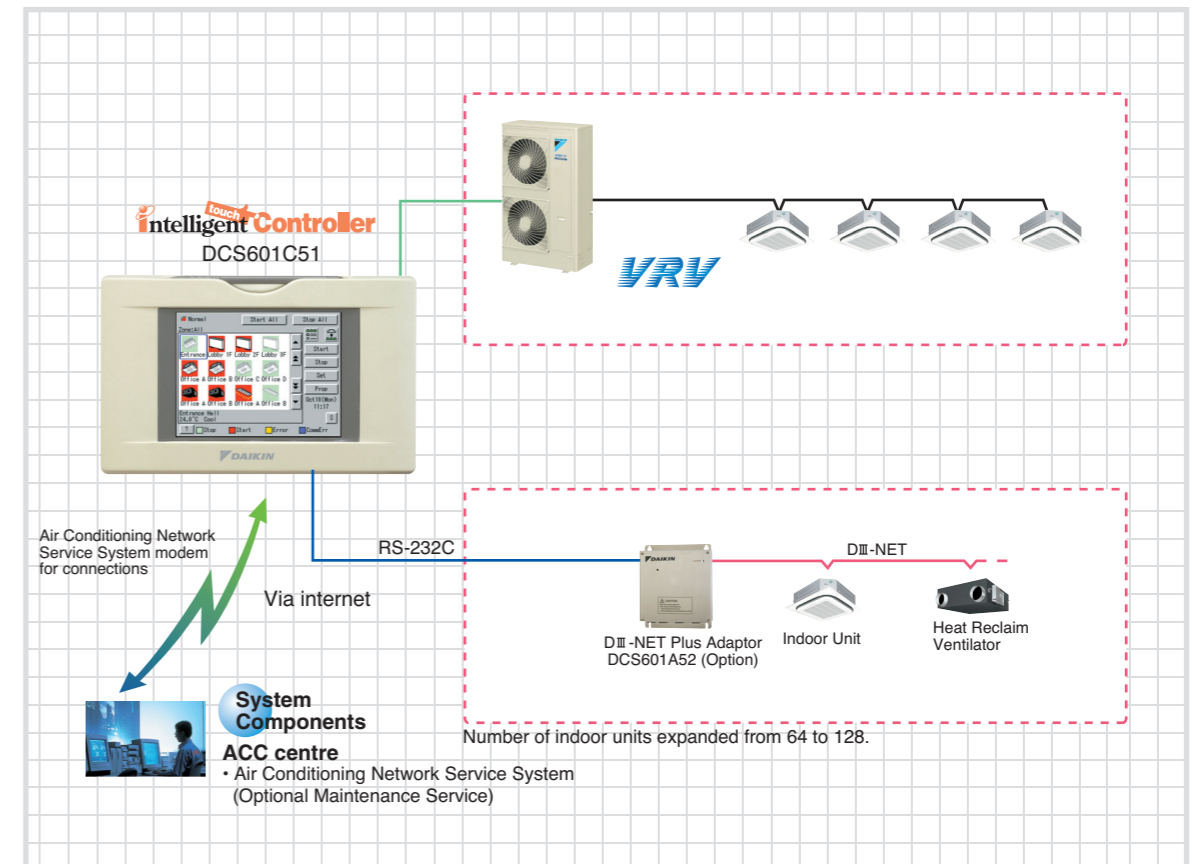
- A single intelligent Touch Manager can manage a small building or be expanded to handle medium- to large-sized buildings.

Connectivity

- BACnet connection with a wide range of building equipment.
- WAGO Ao and Pi are newly supported and connectable WAGO modules are added.

Intelligent Touch Controller

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



Features

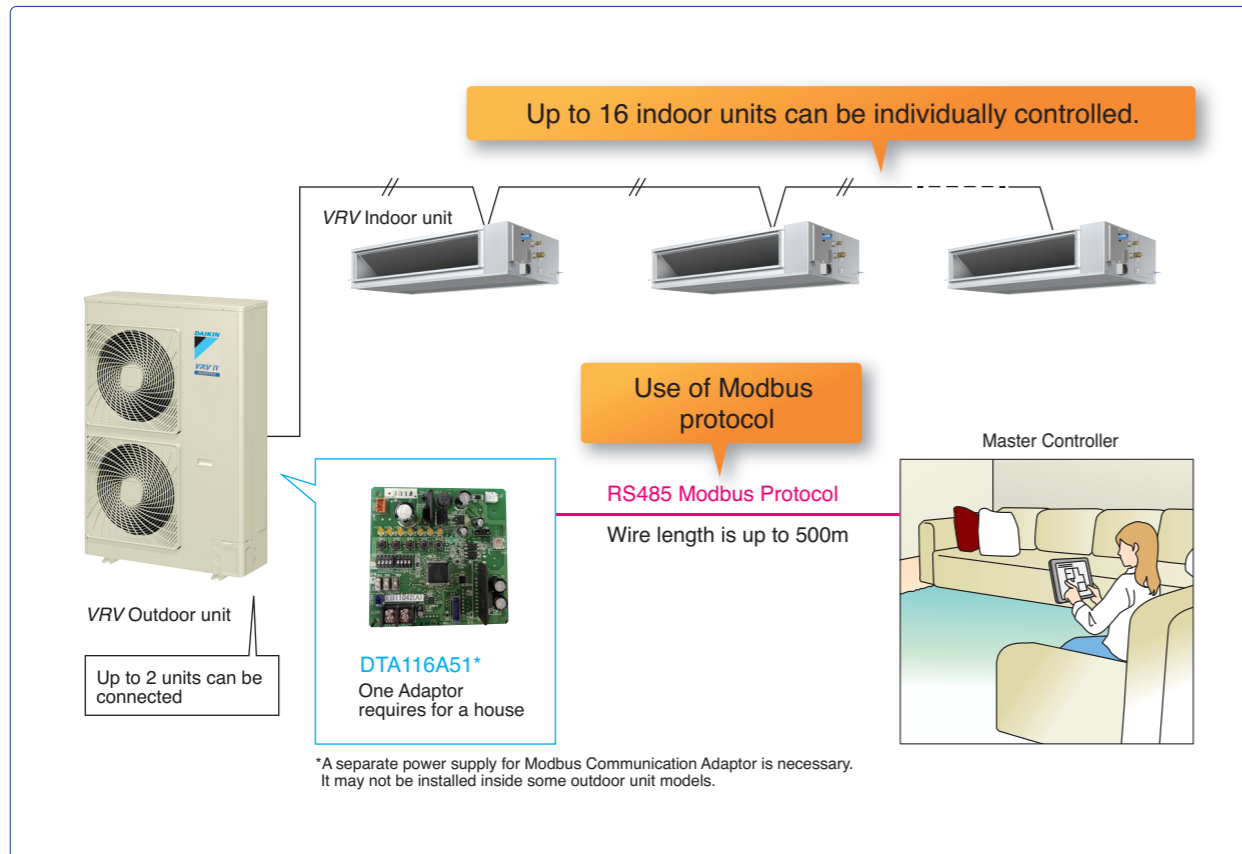
- Colour LCD touch panel icon display
- Small manageable size
- Simplified engineering
- Multi language
(English, French, Italian, German, Spanish, Dutch, Portuguese, Chinese and Korean)
- Yearly schedule
- Auto heat/cool change-over
- Temperature limitation
- Enhanced history function
- Simple Interlock Function
- Built-in modem for connecting to Air Conditioning Network Service System (Option)
- Doubling of number of connectable indoor units by adding a DIII-NET Plus Adaptor (Option)



Control Systems

Advanced Control Systems for VRV Indoor Units

Modbus Communication Adaptor



Functions

Monitor

On/Off	On/Off status of indoor units
Operation mode	Cooling, Heating, Fan, Dry, Auto (depend on indoor unit capability)
Setpoint	Setpoint of indoor units
Room temperature	Suction temperature of indoor units
Fan direction	Swing, Flap direction (depend on indoor unit capability)
Fan volume	L, M, H (depend on indoor unit capability)
Forced off status	Forced off status of indoor units
Error	Malfunction, Warning with Error code
Filter sign	Filter sign of indoor units
Communication status	Communication normal/error of indoor units

Control

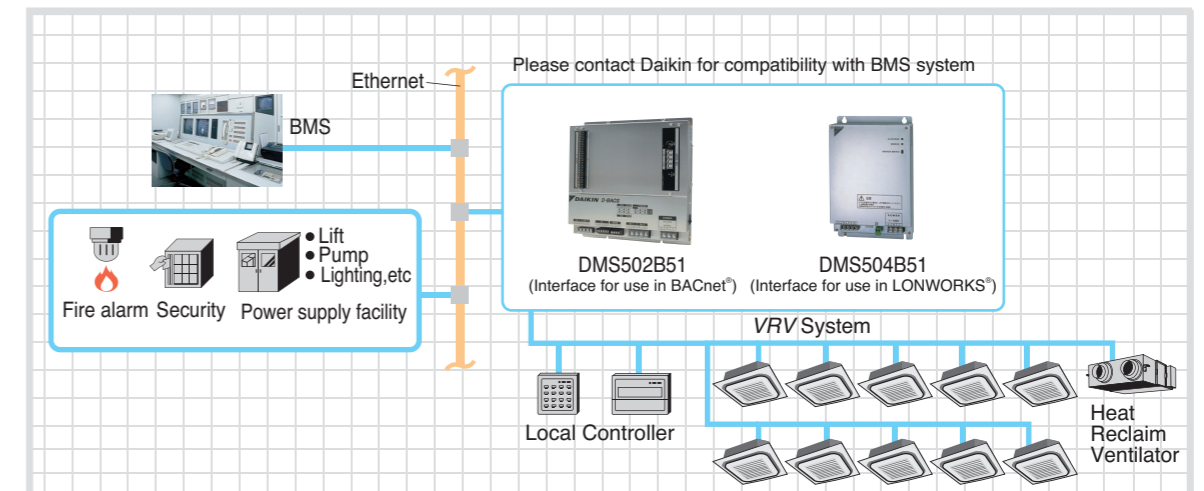
On/Off	On/Off control of indoor units
Operation mode	Cooling, Heating, Fan, Dry, Auto (depend on indoor unit capability)
Setpoint	Cooling/Heating setpoint
Fan direction	Swing, Stop, Flap direction (depend on indoor unit capability)
Fan volume	L, M, H (depend on indoor unit capability)
Filter sign reset	Reset filter sign of indoor units

Retrieve system information

Connected indoor units	DIII-NET address of connected indoor units can be retrieved.
Indoor unit capabilities	Indoor unit capabilities such as operation mode, fan control, setpoint HV can be retrieved.

Interface for BACnet® and LONWORKS®

Integrated control systems that recognise the trend of open control systems



■ Compatibility with BMS enhanced by utilising the international communication standards, BACnet® or LONWORKS®.

DMS502B51 Interface for use in BACnet®

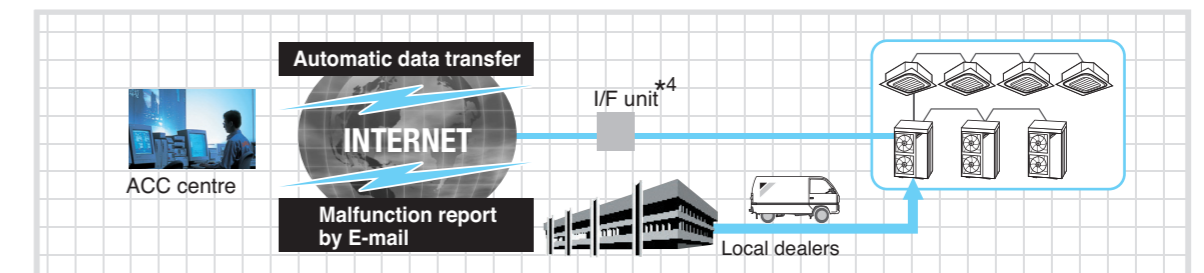
- Support for Heat Reclaim Ventilator VAM series
- Selectable temperature unit
- BTL Certification
- PPD data (Optional Di board is required.)
- ISO 16484-5 (Does not support IEEE 802.3 protocol for BACnet®)
- Up to 40 outdoor units and 256 indoor unit groups on one gateway (optional adaptor)

DMS504B51 Interface for use in LONWORKS®

- XIF file for confirming of specifications of the units.
- Connectable up to 10 outdoor units and 64 indoor unit groups.

Air Conditioning Network Service System

Maintenance services that boost profits and customer satisfaction



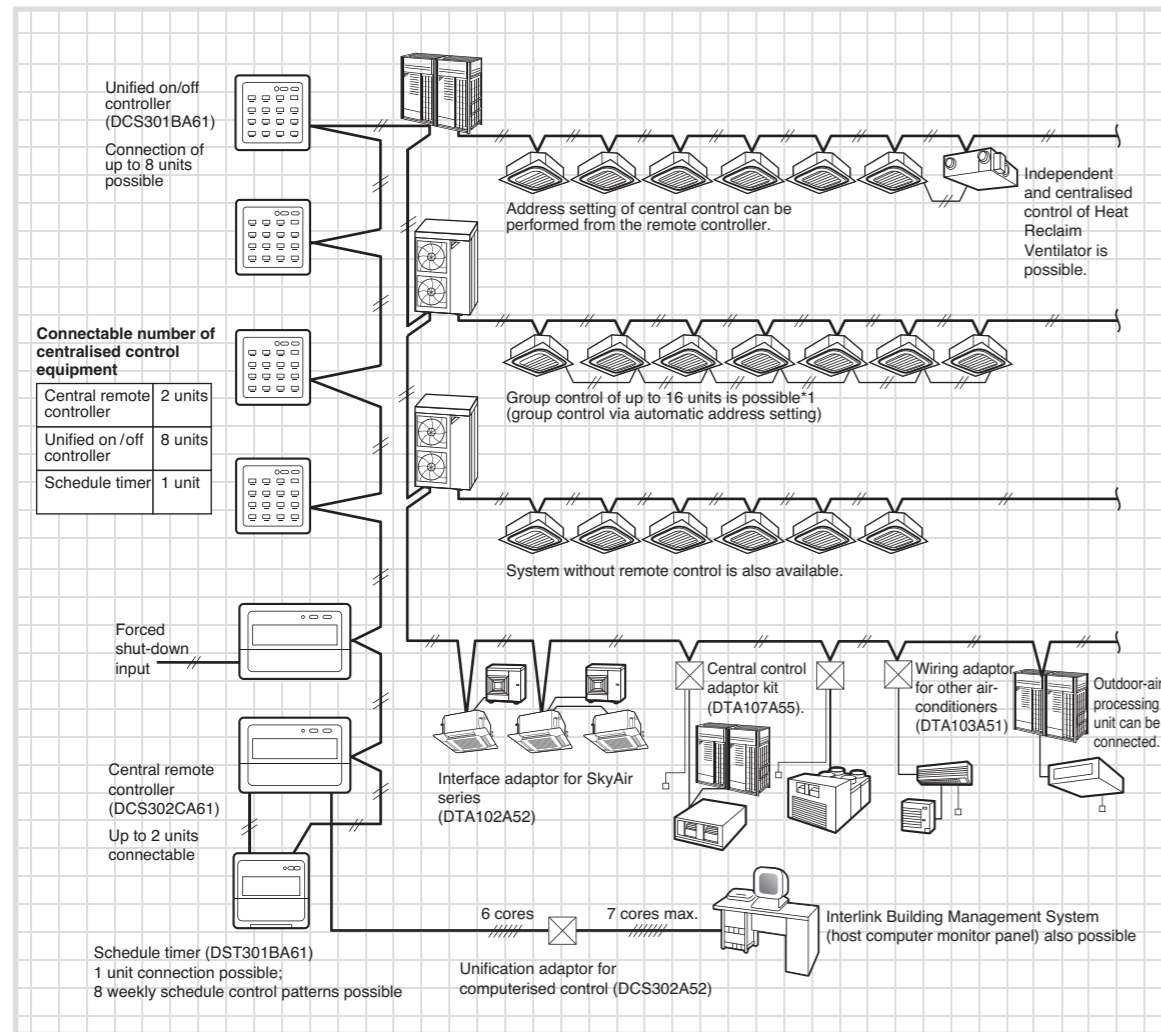
- 24 hour on-line diagnostic system
- Energy saving and extension of aircon operating life
- Maintenance management via A/C network service system reports
- Reliable service at shortest lead time

*1. Model name varies upon the system size.
 *2. BACnet® is a registered trademark of American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE).
 *3. LonWorks® is a trademark of Echelon Corporation registered in the United States and other countries.
 *4. For an I/F unit, one of the following can be selected: **Local Controller**, intelligent Touch Controller, or intelligent Touch Manager.
 *5. Refer to the Options page for the name of each model.

Control Systems

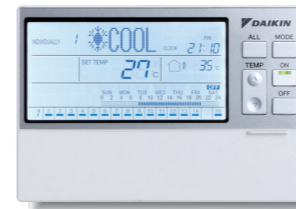
Centralised Control Systems for VRV Indoor Units

- Up to 64 groups of indoor units (128 units) can be centrally controlled.
- Optional controllers for centralised control can be combined freely, and system can be designed in accordance with building scale and purpose.
- System integration with various air-conditioning peripheral equipment such as Heat Reclaim Ventilator 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 51 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.

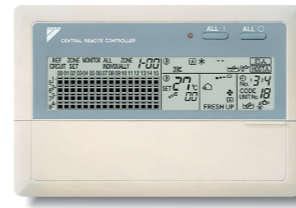
Residential central remote controller* (Option)



DCS303A51

- 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.

Central remote controller (Option)



DCS302CA61

- 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 Ventilator.
 - Up to 4 ON/OFF pairs can be set per day by connecting a schedule timer.

Unified ON/OFF controller (Option)



DCS301BA61

- 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

Schedule timer (Option)



DST301BA61

- 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

Air Treatment Equipment Lineup

Heat Reclaim Ventilator — VAM series

The Heat Reclaim Ventilator Creates a High-Quality Environment by Interlocking with the Air Conditioner

Model Names

VAM150GJVE, VAM250GJVE, VAM350GJVE, VAM500GJVE, VAM650GJVE, VAM800GJVE, VAM1000GJVE, VAM1500GJVE, VAM2000GJVE

Improved Enthalpy Efficiency*¹
Higher External Static Pressure*²
Enhanced Energy Saving Functions

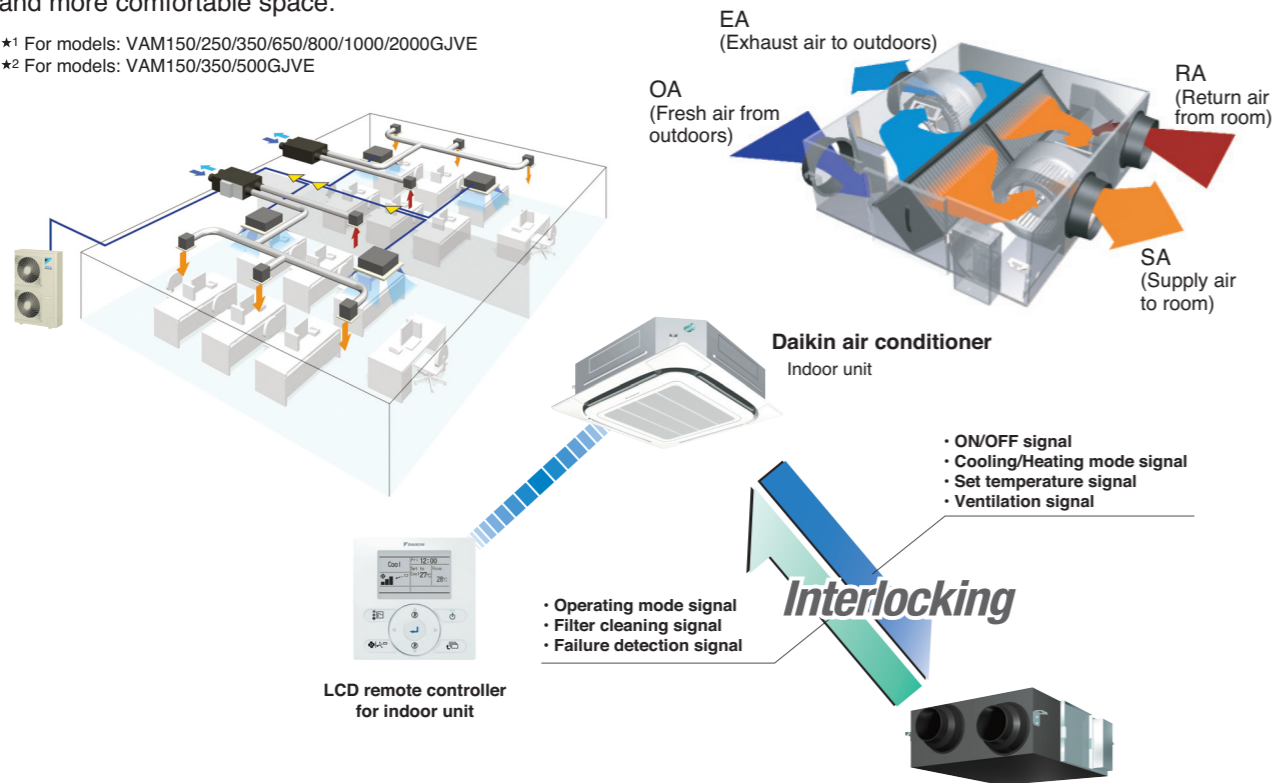


Heat Reclaim Ventilator remote controller* BRC301B61 (Option)

* This remote controller is used in case of independent operation of Heat Reclaim Ventilator.

This VAM series provides higher enthalpy efficiency*¹, due to the greatly enhanced performance of the thin film element. Furthermore, improved external static pressure*² offers more flexibility for installation. Along with these three outstanding improvements, the nighttime free cooling operation contributes to energy conservation and more comfortable space.

*¹ For models: VAM150/250/350/650/800/1000/2000GJVE
 *² For models: VAM150/350/500GJVE



Compact Equipment

With a height of just 306 mm, the unit easily fits in limited spaces, such as above ceilings.



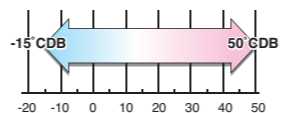
* For VAM500GJVE

Energy Conservation

Air conditioning load reduced by approximately 31%!

Cold Climate Compatible

Standard operation at temperatures down to -15°C.



Air conditioning load reduced by approximately 31%!

Total heat exchange ventilation

This unit recovers heat energy lost through ventilation and curbs room temperature changes caused by ventilation, thereby conserving energy and reducing the load on the air conditioning system.

23%

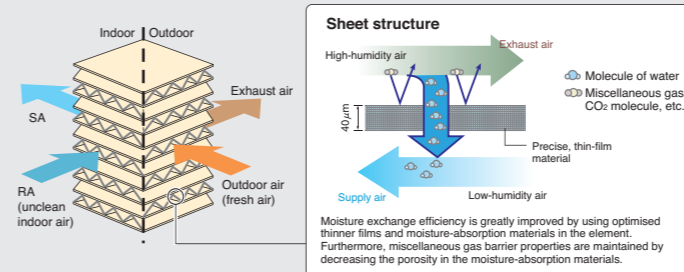
Enthalpy efficiency drastically improved by employing thin film element! (VAM-GJ model)

Due to the thinner film...

- Decreases the moisture resistance of the partition sheets drastically.
- Realises more space for extra layers in the element, resulting in increased effective area that supply and exhaust air can be exposed to.

Moisture absorption increased by approx. 10%!

Thickness of the partition sheet
40 μm



Auto-ventilation Mode Changeover Switching

6%

Automatically switches the ventilation mode (Total Heat Exchange Mode/Bypass Mode) according to the operating status of the air conditioner.

Pre-cool, Pre-heat Control

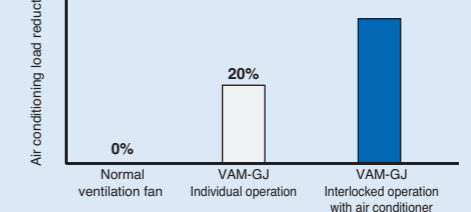
2%

Reduces air conditioning load by not running the Heat Reclaim Ventilator while air is still clean soon after the air conditioner is turned ON.

- The air conditioning load reduction values may vary according to weather and other environmental conditions at the location of the machine's installation.
- The air conditioning load reduction values are based on the following conditions:
 Application: Tokyo office building
 Building form: 6 floors above ground, 2 floors underground, floor area 2,100 m²
 Personnel density: 0.25 person/m²
 Ventilation volume: 25 m³/h
 Indoor air conditioning level: summer 25°C 50% RH, intermediate seasons 24°C 50% RH, winter 22°C 40% RH
 Operating time: 2745 hours (9 hours per day, approx. 25 days per month)
 Calculation method: simulation based on "MICRO-HASP/1982" of the Japan Building Mechanical and Electrical Engineers Association.

Air Conditioning Load Reduced by Approximately

31%



Nighttime free cooling operation*¹

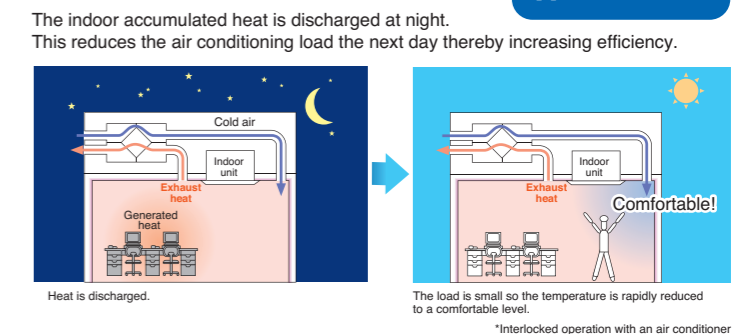
Nighttime free cooling operation is an energy-conserving function that works at night when air conditioners are off. By ventilating rooms containing office equipment that raises the room temperature, nighttime free cooling operation reduces the cooling load when air conditioners are turned on in the morning. It also alleviates feelings of discomfort in the morning caused by heat accumulated during the night.

- Nighttime free cooling operation only works to cool and if connected to Building Multi or VRF systems.
- Nighttime free cooling operation is set to "off" in the factory settings, so if you wish to use it, request your dealer to turn it on.

*¹ This function can be operated only when interlocked with air conditioners.

- *² Value is based on the following conditions:
 • Cooling operation performed from April to October.
 • Calculated for air conditioning sensible heat load only (latent heat load not included).

Air conditioning sensible heat load reduced by **approx. 5%*²**!



CO₂ sensor optional kit connection

Prevent energy losses from over-ventilation while maintaining indoor air quality with optional CO₂ sensor.

