

VRV IV

NEXT GENERATION VRV
FROM THE WORLD LEADER IN AIRCONDITIONING



INDEX

p06

MAIN
FEATURES

p16

OUTDOOR UNIT
LINEUP

p17

INDOOR UNIT
LINEUP

p34

SPECIFICATIONS

p47

OUTDOOR UNIT
COMBINATIONS

p48

OPTION LIST

p52

CONTROL
SYSTEMS

p66

AIR TREATMENT
EQUIPMENT
LINEUP





WORLD'S MOST ADVANCED VRV IV AIRCONDITIONING SYSTEM WITH INNOVATIVE VRT TECHNOLOGY.

FIRST LAUNCHED IN JAPAN IN 1982, THE DAIKIN VRV SYSTEM HAS BEEN EMBRACED BY THE WORLD MARKETS FOR OVER THREE DECADES. NOW, WE AT DAIKIN INTRODUCE THE NEXT GENERATION VRV IV SYSTEM TO REINFORCE OUR INDUSTRY LEADERSHIP. THE SYSTEM NOW OFFERS AN ENHANCED LINE-UP TO MEET AN EVER WIDENING VARIETY OF NEEDS, WHILE IMPROVING ENERGY SAVINGS, COMFORT AND EASE OF INSTALLATION.

THE VRV IV IS THE MOST ADVANCED AIRCONDITIONING SYSTEM IN THE WORLD AND IS IDEAL FOR LARGE AND SMALL SPACES.

ENERGY SAVING TECHNOLOGY FOR VRV SYSTEM

ENERGY SAVING

Higher COP and VRT technology

VRT-VARIABLE REFRIGERANT TEMPERATURE

The new **VRV IV** system now features **VRT** technology. **VRT** automatically adjusts refrigerant temperature to individual building and climate requirement, thus further improving annual energy efficiency and maintaining comfort. With this technology, running costs are reduced.

ENHANCED LINEUP

Up to 60 HP

EASE OF INSTALLATION

Compact and Lightweight design

COMFORT

Lower operation sound

DAIKIN

THE WORLD LEADER IN AIRCONDITIONING










AT DAIKIN® WE ARE A LEADING INNOVATOR AND PROVIDER OF ADVANCED, HIGH-QUALITY AIRCONDITIONING SOLUTIONS FOR RESIDENTIAL, COMMERCIAL AND INDUSTRIAL APPLICATIONS.

As World's No. 1 Airconditioning Company, we are committed to delivering airconditioning solutions that enhance the quality of life all around the world. We, at Daikin Industries Ltd., are a diverse multinational company, active in airconditioning, chemicals and oil hydraulics, was established in 1924. With headquarters at Osaka, Japan, our Daikin family has more than 51,000 members, working across 60 production base units and 208 consolidated subsidiaries worldwide. As the world's sole manufacturer that develops a long line of products from refrigerants to airconditioners, we advocate comfortable living on the strength of advanced technologies.








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



EUROPE / MIDDLE EAST / AFRICA

 <p>Daikin Airconditioning Central Europe</p>	 <p>Daikin Airconditioning Spain</p>	 <p>Daikin Airconditioning Italy</p>
 <p>Daikin Europe N.V.</p>	 <p>Daikin Airconditioning France</p>	 <p>Daikin Airconditioning Germany</p>
 <p>Daikin Airconditioning UK</p>	 <p>Daikin Industries Czech Republic</p>	 <p>Daikin Chemical France</p>







CHINA

 <p>Daikin (China) Investment</p>	 <p>Daikin Airconditioning Shanghai</p>	 <p>Xi'an Daikin Qing'an Compressor</p>
 <p>Hui Zhou Daikin Suns Airconditioning</p>	 <p>Daikin Device (Suzhou)</p>	 <p>Daikin Fluoro Coating Shanghai</p>
 <p>Daikin Fluorochemicals China</p>		





● Osaka Head Office	● Production Site
● Tokyo Office	● Overseas Affiliate

ASIA/OCEANIA

	
Daikin Industries Thailand	Daikin Compressor Industries
	
Daikin Airconditioning Singapore	Daikin Australia
	
Daikin Airconditioning India	Daikin Industries Head Office (Inside Umeda Center Building) Japan

NORTH AMERICA/ CENTRAL & SOUTH AMERICA

	
Daikin America	Daikin AC (Americas)
	
Daikin Holding USA	

EXPLORING NEW R&D FRONTIERS

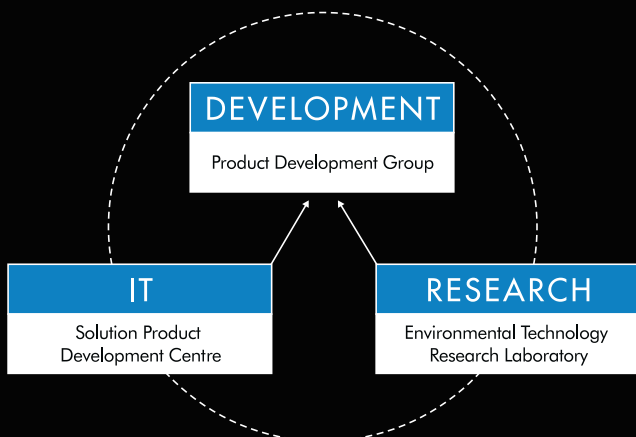
AT DAIKIN, WE ARE CREATING VALUE THROUGH INNOVATIVE TECHNOLOGIES. AS A GLOBAL INDUSTRY FRONTRUNNER, WE ARE CARRYING OUT RESEARCH AND DEVELOPMENT ON THE WORLD'S MOST ADVANCED AIRCONDITIONING TECHNOLOGY.

Our strong R&D edge has helped us create futuristic products that enrich people's lives. As symbolised by the VRV, Daikin has put forth a multitude of products and varied technology that have always been, and continue to be, at the forefront of innovation.

To be able to offer such products and services that delight and astound our customers, we have constructed an advanced R&D architecture.

FORMATION OF A THREE-DIVISION SYSTEM OF RESEARCH, IT, AND DEVELOPMENT TO SUPPORT OUR SUPERIOR PRODUCTS.

To create more advanced functions and new value, we have instituted specialised R&D divisions: the 'Environmental Technology Research Laboratory' and the 'Solution Product Development Centre'. In combination with the Product Development Group, each of the three divisions work in close cooperation to precisely ascertain the customers' needs and to enable commercialisation of products, incorporating advanced technology that take the lead over our competitors.

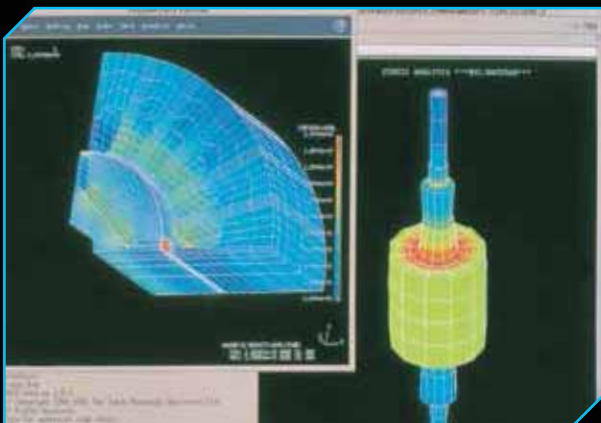




ENVIRONMENTAL TECHNOLOGY RESEARCH LABORATORY: INTENSIVE RESEARCH ON ENVIRONMENTALLY CONSCIOUS, ENERGY SAVING AIRCONDITIONING TECHNOLOGY

Accelerating globalisation of our airconditioning business and varied needs of customers across geographies are increasing our research challenges. We have established a research laboratory devoted to the two fields of 'airconditioning' and 'the environment'. With our mission to promote energy savings in airconditioners, we are engaged in R&D on cutting-edge technologies. Our aim is to create futuristic products from fundamental research on motor inverters, and other areas to support individual product development.

Going forward, we will elevate our technology edge to achieve further business expansion globally.



THE SOLUTIONS PRODUCT DEVELOPMENT CENTRE: INTEGRATING AIRCONDITIONERS WITH IT

Keeping in mind the changes in business brought in by the computerisation and networking of society, we have integrated IT into our airconditioners, including communication technology, software technology and digital control. We are initiating R&D that will offer new system services - a comfortable environment with superior energy savings by networking air conditioners. Such a scenario will enable them to exchange information with service centres.

EXCELLENT OPERATIONAL PERFORMANCE

ENHANCED LINEUP UP TO 60 HP

Normal (Space Saving) Type



20 HP

New series with compact and lightweight design
6 HP-60 HP with 28 models lineup

VRV IV

Installation Space

0.95 m²

Product Weight

320 kg

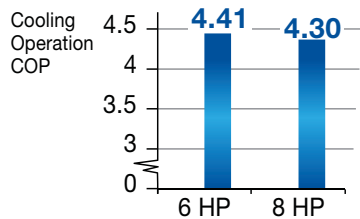


Lineup

HP	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
Normal Type	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

ENERGY SAVING

Higher Coefficient of Performance (COP)



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

EASE OF INSTALLATION

Compact & lightweight design

Highly-integrated **VRV IV** system offers compact outdoor units to achieve maximum utilisation of the installation space.



VRV IV 12 HP

Installation Space
0.71 m²

Product Weight
195 kg

COMFORT

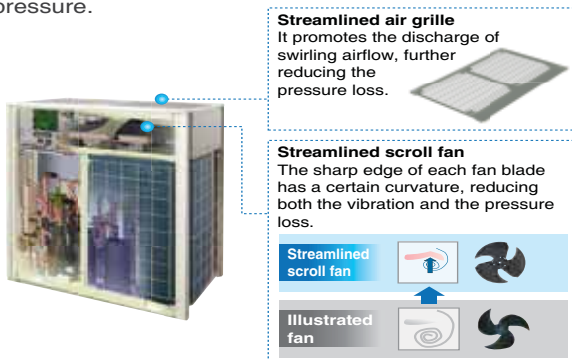
Lower operation sound

Improves heat exchanger efficiency, helps reduced operation sound.

	Sound level(dB(A))			
VRV IV	6 HP	8 HP	10 HP	12 HP
	55	56	57	59

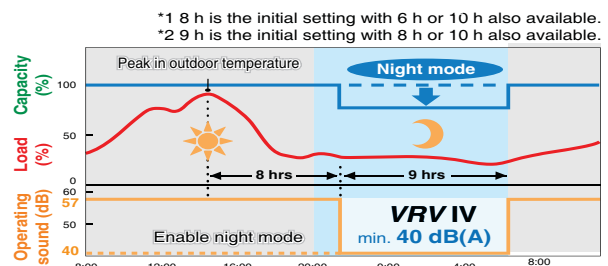
Large airflow, high static pressure and quiet technology

Without increasing operation sound, advanced analytic technologies are utilised to optimise fan design, increase airflow rate and external static pressure.



Quiet night-time operation function

Outdoor PCB automatically memorises the time when the peak outdoor temperature appears. It enables quiet operation mode after 8 h^{*1}, and returns to normal mode after it keeps this on for 9 h^{*2}.



- Notes:
- This function is available in setting at site.
 - The operating sound in quiet operation mode is the actual value measured by our company.
 - The relationship of outdoor temperature (load) and time shown above is just an example.

VRT-VARIABLE REFRIGERANT TEMPERATURE

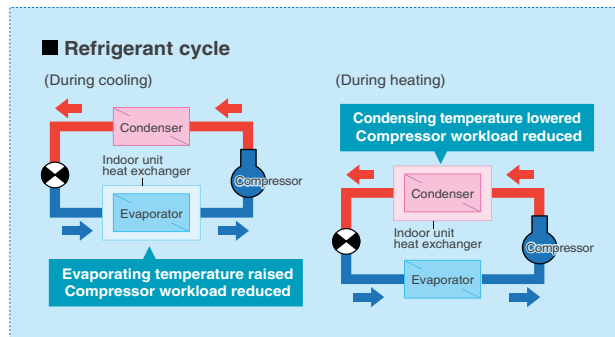
STATE-OF-THE-ART ENERGY SAVING TECHNOLOGY FOR VRV SYSTEM

Customise your VRV system for optimal annual efficiency

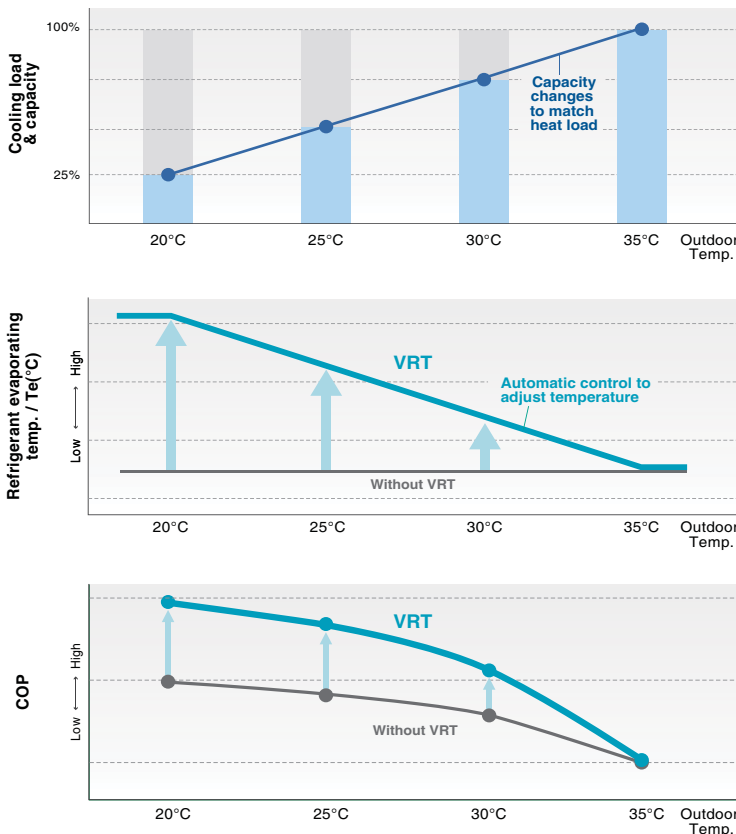
The new **VRV IV** system now features VRT technology. VRT automatically adjusts refrigerant temperature to individual building and climate requirement, thus further improving annual energy efficiency and maintaining comfort. With this excellent technology, running costs are reduced.

How is energy reduced?

During cooling, the refrigerant evaporating temperature (T_e) is raised to minimise the difference with the condensing temperature. During heating, the condensing temperature (T_c) is lowered to minimise the difference to the evaporating temperature. Compressors work less, and this reduces power consumption.



Typical changes in evaporating temperature and COP depending on changing indoor load



Required capacity changes as airconditioning load changes according to outdoor temperature.

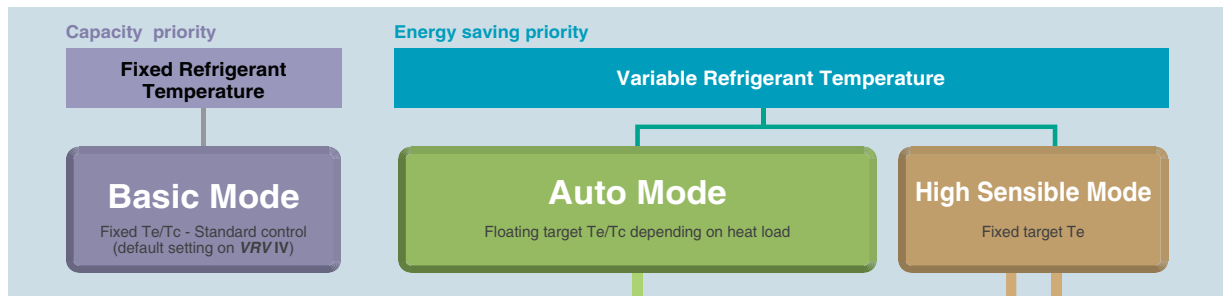
In case of fixed evaporating temperature, excessive cooling, thermo on-off loss, and other inefficiencies occur.

Automatic control adjusts evaporating temperature to heat load change.

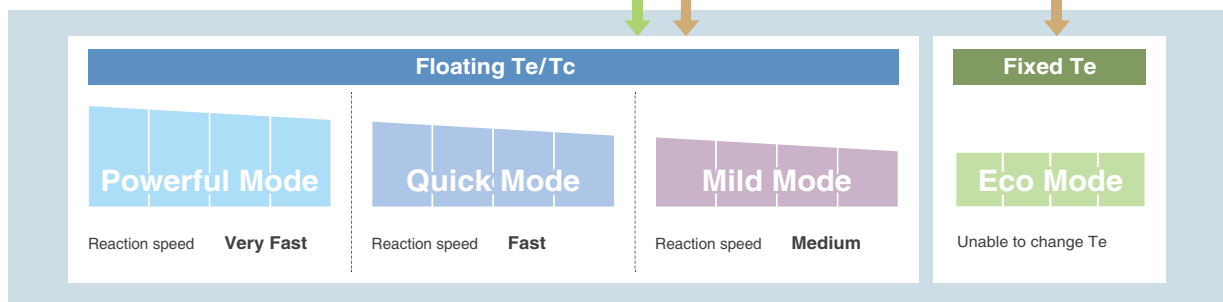
Energy efficiency is improved without sacrificing comfort.

Fine control to match user preference available through mode selection

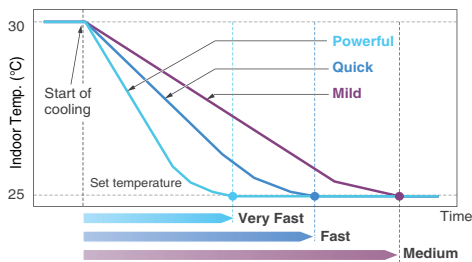
Basic mode is selected to maintain optimal comfort.
VRT is selected to save energy and prevent excessive cooling or heating.



Selecting VRT enables operation to be optimised for either energy efficiency or rapid cooling/heating.



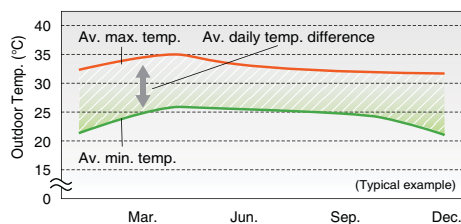
VRT offers quicker cool down to shorten uncomfortable pull down time.



Powerful mode	<ul style="list-style-type: none"> Can boost capacity above 100% if needed. The refrigerant temperature can go lower in cooling (higher in heating) than the set minimum (maximum in heating). Gives priority to very fast reaction speed. The refrigerant temperature goes down (or up in heating) fast to keep the room setpoint stable.
Quick mode	<ul style="list-style-type: none"> Gives priority to fast reaction speed. The refrigerant temperature goes down (or up in heating) fast to keep the room setpoint stable.
Mild mode	<ul style="list-style-type: none"> Gives priority to efficiency. The refrigerant temperature goes down (or up in heating) gradually giving priority to the efficiency of the system instead of the reaction speed.

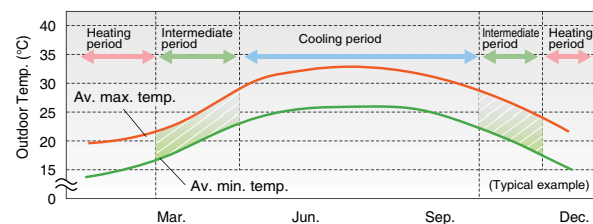
Recommended for use in these situations

■ Cooling only regions having differences in daily temperature.



VRT is particularly effective at night when temperatures are low.

■ Cooling/heating regions having periods of mild outdoor temperatures.



VRT is particularly effective during the intermediate periods.

MORE FLEXIBLE SYSTEM DESIGN

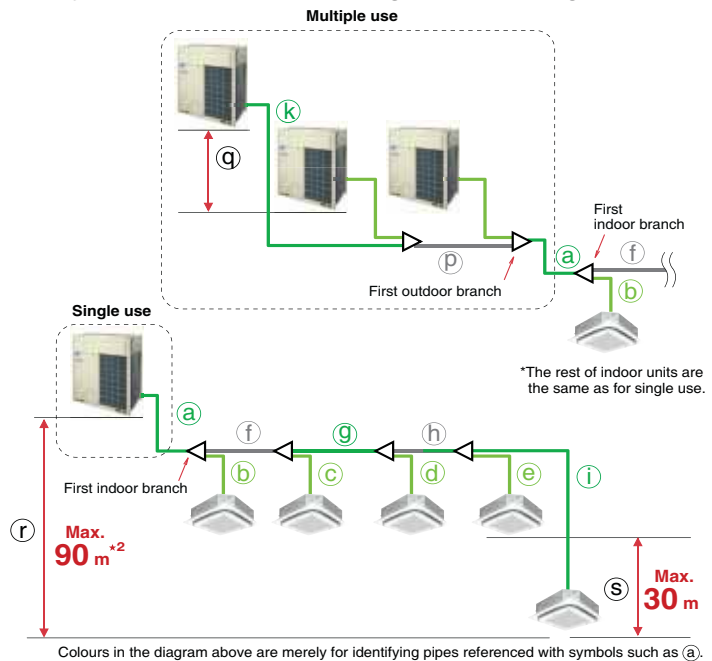
MORE OPTIONS FOR INSTALLATION LOCATION

Long piping length

The long piping length provides more design flexibility, which can match even large-sized buildings.

For connection of only VRV indoor units

- Max. actual piping length **165 m**
- Max. equivalent piping length **190 m**
- Max. total piping length **1000 m**
- Max. level difference between the outdoor units and the indoor units **90 m^{*2}**
- Max. level difference between the indoor units **30 m**



Maximum allowable piping length	Refrigerant piping length		Actual piping length	Example	Equivalent piping length
	Total piping length		165 m	a+f+g+h+i	190 m
	Between the first indoor branch and the farthest indoor unit		90 m ^{*1}	f+g+h+i	—
	Between the outdoor branch and the last outdoor unit		10 m	k+p	13 m

Maximum allowable level difference	Level Difference		Example
	Between the outdoor units (Multiple use)		q
	Between the indoor units		s
	Between the outdoor units and the indoor units	If the outdoor unit is above.	r
If the outdoor unit is below.		r	

*1. No special requirements up to 40 m. The maximum actual piping length can be 90 m, depending on conditions. Various conditions and requirements have to be met to allow utilisation of 90 m piping length.
 *2. When level differences are 50 m or more, the diameter of the main liquid piping size must be increased and connection ratio must be 80% to 130%. If the outdoor unit is above the indoor unit, a dedicated setting on the outdoor unit is required.

Connection ratio

Connection capacity at maximum is 200%.

Connection ratio
50%–200%

$$\text{Connection ratio} = \frac{\text{Total capacity index of the indoor units}}{\text{Capacity index of the outdoor units}}$$

Conditions of VRV indoor unit connection capacity

Applicable VRV indoor units	Other VRV indoor unit models ^{*1}
FXDQ, FXMQ-P, FXAQ models	
Single outdoor units	200%
Double outdoor units	160%
Triple outdoor units	130%

*1 For the FXFQ25LU, and FXVQ models, maximum connection ratio is 130% for the entire range of outdoor units.

Note: If the operational capacity of indoor units is more than 130%, low airflow operation is enforced in all the indoor units.

*Refer to page 47 for outdoor unit combination details.



High external static pressure

VRV IV outdoor unit has achieved high external static pressure up to 78.4 Pa, ensuring the efficient heat dissipation and stable operation of equipment in either hierarchical or intensive arrangement.

78.4 Pa

- More options in the opening/angle of louvre
- Outstanding heat dissipation effect in both hierarchical and intensive arrangement



RELIABLE AND STABLE SYSTEM

MULTIPLE ADVANCED FEATURES ENSURING MORE ACCURATE TEST OPERATION AND STABLE SYSTEM

Efficient automatic test operation

Daikin **VRV IV** system incorporates a simplified and efficient test operation function, not only greatly accelerating the installation process, but effectively improving the field setting quality as well.

- Automatically checks the wirings between outdoor units and indoor units to confirm whether there is a defective wiring.
- Confirms and corrects the actual piping length.
- Automatically checks whether the stop valve in each outdoor unit is in normal status to ensure the smooth operation of airconditioning system.

Automatic check



Wiring check

Piping check

Stop valve check

SIMPLIFIED COMMISSIONING AND AFTER-SALES SERVICE

Function of information display by luminous digital tube

VRV IV system utilises the 7-segment luminous digital tubes to display system operation information, enabling the operational state to be visually displayed whilst facilitating simplified commissioning and after-sales service.

7-segment digital display

Displays system operation information directly



Conventional LED display

Figures out system operation information by reading light emitting state of different diodes, which is both inefficient and fallible.



VRV configurator

- The **VRV** configurator is an advanced software solution that allows for easy system configuration and commissioning.
- Less time is required on the roof configuring the outdoor unit.
- Multiple systems at different sites can be managed in exactly the same way, thus offering simplified commissioning for key accounts.
- Initial settings on the outdoor unit can be easily retrieved.



Simplified commissioning



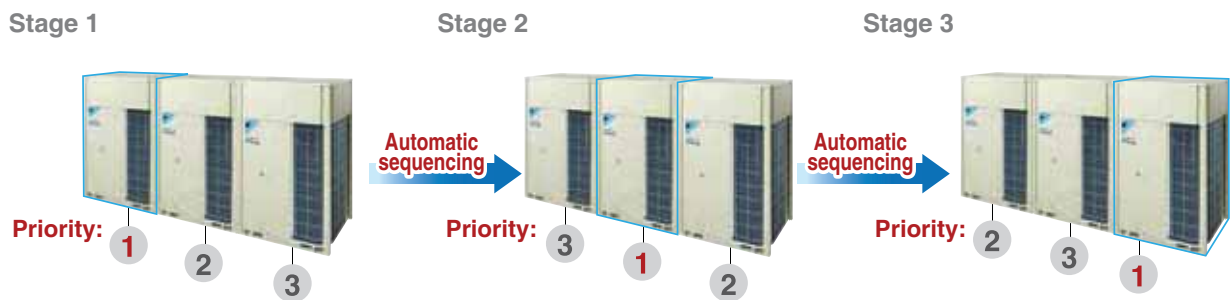
Retrieve initial system settings



OUTDOOR UNIT SEQUENCING TECHNOLOGY

Automatic sequencing operation

During start-up, the Daikin **VRV IV** unit sequencing operation will be automatically enabled to ensure balanced operation of each outdoor unit to improve longevity of equipment and stable operation.



DOUBLE BACKUP OPERATION FUNCTIONS RESPONDING RESILIENTLY TO VARIOUS UNEXPECTED SITUATIONS

Double backup operation functions

Daikin **VRV IV** system boasts double backup operation functions, which can secure the use of air conditioners in this area to the greatest extent by emergently enabling double backup operation functions even if failure occurs in a set of airconditioning equipment.

In the event of a failure, emergency operation can be conveniently enabled to allow the remaining system to operate in a limited fashion.

Unit backup operation function

If malfunction occurs in an outdoor unit...

Emergency operation can be conveniently set and enabled by the remote controller for indoor unit (for systems composed of two or more outdoor units).



Compressor backup operation function

If malfunction occurs in a compressor...

Emergency operation can be easily set and enabled by the outdoor unit (for a single outdoor unit system RX(Y)Q14-20TRY6 models).



ADVANCED TECHNOLOGIES ACHIEVE

LARGE CAPACITY ALL DC INVERTER COMPRESSOR IN COMPACT CASING

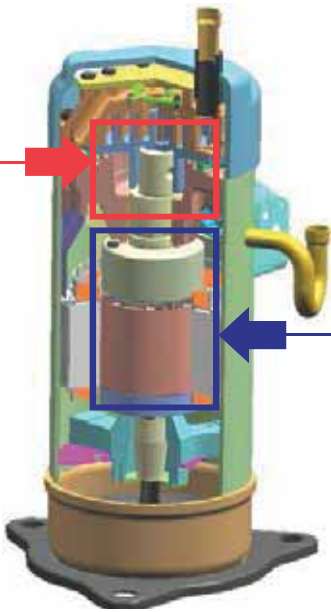
Large capacity inverter compressor using high tension strength material, realise 12 HP compressor using 8 HP casing.

Development of high strength material

Gives 2.4 times tensile strength compared to conventional material
New Material: 600 MPa
Conventional Material : 250 MPa
 Increases compression chamber volume by using thin spiral design.

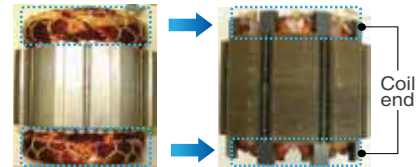


As a result of having thinned a wall - thickness of the scroll, compression chamber volume increase 50%



Small type high efficiency concentrated winding motor

Distributed winding motor (Current 8 HP compressor) Concentrated winding motor (New 12 HP compressor)



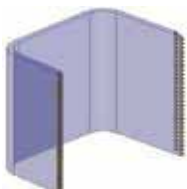
Small sizing coil end using concentrated winding, reduces copper loss (winding resistance).

Improves motor efficiency in low rpm range (improves intermediate efficiency).

HIGHLY INTEGRATED HEAT EXCHANGER

Improves performance by increasing heat exchanger area while maintaining the same installation space.

VRV III



Fine Louvre Fin

VRV IV



Waffle Fin

Realises highly integrated heat exchanger performance (increase row, reduce fin pitch) by reducing of airflow resistance which changes cooling tube to Ø7.



20 HP

3 rows with small pipe design, increase heat transfer efficiency

Change fin shape from fine louvre to waffle fin.
 Fin pitch can be reduced fin pitch from 2.0 mm to 1.4 mm, to realise unit efficiency which increases heat exchanger area.



	Heat exchanger area	Contribution of COP (cooling)
10 HP	13%UP	105.5%
16 HP	24%UP	111.5%

VARIOUS ADVANCED CONTROL MAIN PC BOARD

SMT* packaging technology

- SMT packaging technology adopted by the whole computer control panel improves the anti-clutter performance.
- Protects your computer boards from adverse effects of sandy and humid weather.

Computer control board surface adopting SMT packaging technology



Conventional computer control board surface

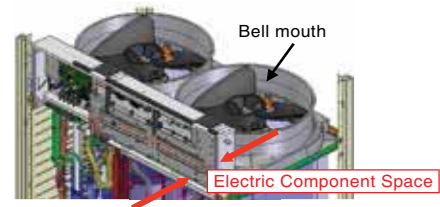


*SMT: Surface mounted technology

Refrigerant cooling technology, ensures stability of PCB temperature

Improved inner design to increase smooth airflow

Downsizes electric component, relocates to dead space of bell mouth side to decrease airflow resistance.



VRV III

VRV IV



Improves reliability at high ambient temperature

It is possible to cool the inverter power module stability even at high ambient temperature. This helps to keep airconditioning capacity and also ensures efficient and reliable operation.

OUTDOOR UNIT LINEUP

OUTDOOR UNITS

The outdoor unit capacity is up to 60 HP in increment of 2 HP.

- **VRV IV** outdoor unit offers a higher capacity of up to 60 HP, responding to the needs of large-sized buildings.
- The single outdoor unit has only 2 different shapes and dimensions, not only simplifying the design process, but also bringing the system flexibility to a new level.
- With the outdoor unit capacity increased in increment of 2 HP, customers' needs can be precisely met.
- Outdoor units with anti-corrosion specifications (-E type on request) are designed specifically for use in areas which are subject to salt damage and atmospheric pollution.

Normal (Space Saving) Type

● Single Outdoor Units

6, 8, 10, 12 HP



RX(Y)Q6TRY6(E)
RX(Y)Q8TRY6(E)
RX(Y)Q10TRY6(E)
RX(Y)Q12TRY6(E)

14, 16 HP



RX(Y)Q14TRY6(E)
RX(Y)Q16TRY6(E)

18, 20 HP



RX(Y)Q18TRY6(E)
RX(Y)Q20TRY6(E)

● Double Outdoor Units

22, 24 HP



RX(Y)Q22TRY6
RX(Y)Q24TRY6

26, 28, 30, 32 HP



RX(Y)Q26TRY6
RX(Y)Q28TRY6
RX(Y)Q30TRY6
RX(Y)Q32TRY6

● Double Outdoor Units

34, 36, 38, 40 HP



RX(Y)Q34TRY6
RX(Y)Q36TRY6
RX(Y)Q38TRY6
RX(Y)Q40TRY6

● Triple Outdoor Units

42, 44 HP



RX(Y)Q42TRY6
RX(Y)Q44TRY6

46, 48, 50, 52, 54, 56, 58, 60 HP



RX(Y)Q46TRY6
RX(Y)Q48TRY6
RX(Y)Q50TRY6
RX(Y)Q52TRY6
RX(Y)Q54TRY6
RX(Y)Q56TRY6
RX(Y)Q58TRY6
RX(Y)Q60TRY6

Lineup

HP	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
Normal (Space Saving) Type	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

INDOOR UNIT LINEUP

VRV IV

ENHANCED RANGE OF CHOICES

A variety of VRV indoor units are enabled in one system, opening the door to stylish and quiet indoor units.

VRV indoor units

15 types 79 models

Type	Model Name	Capacity Range	20	25	32	40	50	63	71	80	100	125	140	200	250	400	500	
			Capacity Range	0.8 HP	1 HP	1.25 HP	1.6 HP	2 HP	2.5 HP	3 HP	3.2 HP	4 HP	5 HP	6 HP	8 HP	10 HP	16 HP	20 HP
			Capacity Index	20	25	31.25	40	50	62.5	71	80	100	125	140	200	250	400	500
Ceiling Mounted Cassette (Round Flow with Sensing) (Optional)	New FXFQ-SVM			New	New	New	New	New			New	New	New					
Ceiling Mounted Cassette (Round Flow)	FXFQ-LUV1			●	●	●	●	●			●	●	●					
Ceiling Mounted Cassette (Compact Multi Flow)	FXZQ-MVE		●	●	●	●	●											
4-Way Flow Ceiling Suspended	New FXUQ-AVEB								New		New							
Ceiling Mounted Cassette (Double Flow)	FXCQ-MVE		●	●	●	●	●	●		●		●						
Ceiling Mounted Cassette Corner	FXKQ-MAVE			●	●	●		●										
Slim Ceiling Mounted Duct	FXDQ-PBVE (with drain pump)	 (700 mm width type)	●	●	●													
	FXDQ-NBVE (with drain pump)	 (900/1,100 mm width type)				●	●	●										
Ceiling Mounted Duct	FXMQ-PVE		●	●	●	●	●	●			●	●	●	●				
	FXMQ-MVE														●	●		
Ceiling Suspended	FXHQ-MAVE				●			●			●							
Wall Mounted	FXAQ-PVE		●	●	●	●	●	●										
Floor Standing	FXLQ-MAVE		●	●	●	●	●	●										
Concealed Floor Standing	FXNQ-MAVE		●	●	●	●	●	●										
Floor Standing Duct	FXVQ-MY1											New		New	New	New		
	FXVQ-MY16 (high static pressure type)																New	

INDOOR UNIT LINEUP

At Daikin, we offer a wide range of indoor units, including both VRV and residential models, responding to a variety of needs of our customers that require airconditioning solutions.

VRV Indoor Units

Ceiling Mounted Cassette (Round Flow) Type

FXFQ-LUV1



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



Ceiling Mounted Cassette (Round Flow with Sensing) Type (Optional)

FXFQ-SVM

New



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



Ceiling Mounted Cassette (Compact Multi Flow) Type

FXZQ-MVE



Quiet, compact, and designed for user comfort



4-Way Flow Ceiling Suspended Type

FXUQ-AVEB

New



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-MVE



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



Ceiling Mounted Cassette Corner Type

FXKQ-MAVE



Slim design for flexible installation

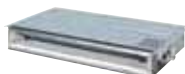


Slim Ceiling Mounted Duct Type

FXDQ-PBVE



FXDQ-NBVE



Slim design, quietness and static pressure switching



Ceiling Mounted Duct Type

FXMQ-PVE



FXMQ-MAVE



High external static pressure allows flexible installations



Ceiling Suspended Type

FXHQ-MAVE



Slim body with quiet and wide airflow



Floor Standing Duct Type

FXVQ-MY1
FXVQ-MY16
(high static pressure type)

New



Large airflow type for large spaces.
Flexible interior design for each tenant.



Floor Standing Type

FXLQ-MAVE



Concealed Floor Standing Type

FXNQ-MAVE



Suitable for perimeter zone air conditioning



Wall Mounted Type

FXAQ-PVE



Stylish flat panel design
harmonised with your interior
décor



INDOOR UNIT LINEUP

VRV INDOOR UNITS

Ceiling Mounted Cassette (Round Flow with Sensing) Type (Optional)

New

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

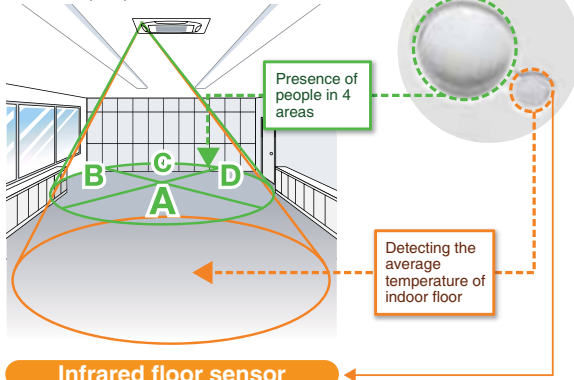


Presence of people and floor temperature can be detected to provide comfort and energy savings

- Dual sensors detect the presence of people and floor temperature to provide comfortable air-conditioning and energy savings.

Infrared presence sensor

- The sensor detects human presence and adjusts the airflow direction automatically to prevent drafts. Energy saving control can be performed when no people are detected.



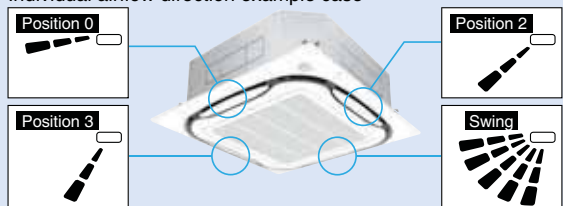
Infrared floor sensor

- 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.

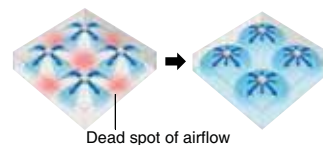
Individual airflow direction control

- Thanks to the individual airflow direction control function, airflow direction can be individually adjusted for each air discharge outlet. Five directions of airflow and auto-swing can be selected with wired remote controller BRC1E62, which realises optimum air distribution.

Individual airflow direction example case



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



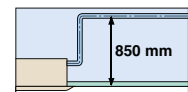
- Energy efficiency has been improved thanks to the adoption of a new heat exchanger with smaller tubes, DC fan motor and DC drain pump motor.

- 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

- Control of airflow rate can be selected from 3-step control, which provides comfortable airflow. Auto airflow rate control can be selected with wired remote controller BRC1E62.

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



Sensing function

Auto airflow rate mode + Auto airflow direction mode

- Floor temperature is detected and over cooling prevented.

Without sensing function



With sensing function



The floor temperature, which is lower than near the ceiling, is detected.

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.

Comfortable airflow

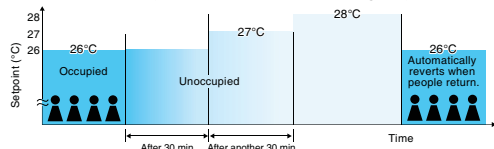
Airflow rate automatically increases during hot or cold periods (when there is a large difference with set temperature), and operation is rapidly performed for cooling or heating. When the difference with set temperature becomes small, drafts are prevented by automatically reducing airflow rate, and raising the flap to a horizontal position during the cooling operation.

Sensing sensor mode

Sensing sensor low mode *1, 2

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

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

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 *1, 2

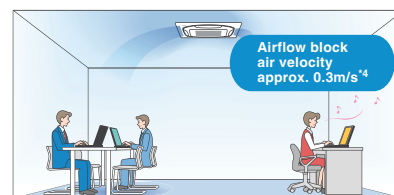
- When there are no people in a room, the system stops automatically.

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

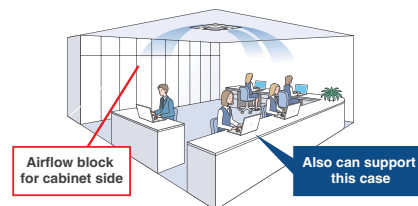
*1. These functions are not available when using the group control system.
*2. User can set these functions with remote controller.

Airflow block function *3

- Total comfort by individual airflow direction control and newly-equipped "airflow block function"



Airflow block function prevents uncomfortable drafts by reducing air velocity to approx. 0.3m/s.*4



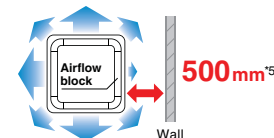
- New airflow block function prevents uncomfortable drafts by reducing air velocity. It can be set using the BRC1E62 remote controller. There is no need for sealing material of air discharge outlet (option).

- 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.



*3. Works in one direction only.

*4. In case of FXFQ63S type (Data is based on Daikin research.)

*5. A gap of 1500 mm is required if the air block function is not used.

INDOOR UNIT LINEUP

VRV INDOOR UNITS

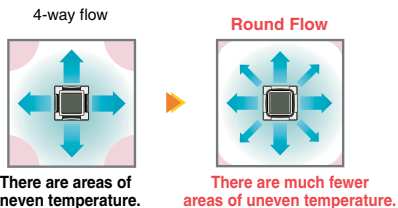
Ceiling Mounted Cassette (Round Flow) Type

FXFQ25LU / FXFQ32LU / FXFQ40LU
 FXFQ50LU / FXFQ63LU / FXFQ80LU
 FXFQ100LU / FXFQ125LU



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

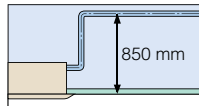
- The industry's first* Round Flow Ceiling Mounted Cassette type offers 360° airflow with improved temperature distribution.



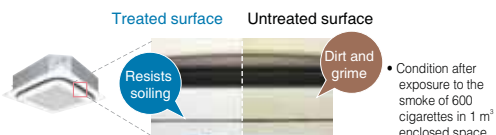
* As of April 2004, the release date for Japan.

- The light weight unit at 19.5 kg for FXFQ25-50LU models make 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

FXFQ-LU	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.



- An antibacterial treatment that uses silver ions has been applied to the drain pan, preventing the growth of slime, mould and bacteria that cause blockages and odours.

- The horizontal louvres prevent dew condensation. Their non-flocking surfaces, which repel dirt, are easy to clean.

- The air filter has an anti-mould and antibacterial treatment that prevents the growth of mould generated from dust or moisture that may adhere to the filter.

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 x 600 mm architectural module ceiling design specifications.

- Low operation sound level

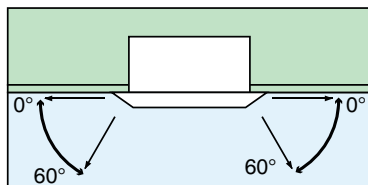
FXZQ-M	20/25	32	40	50
Sound level (H/L)	30/25	32/26	36/28	41/33

(dB(A))

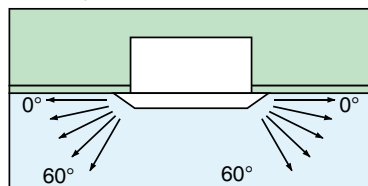
- Comfortable airflow

- 1 Wide discharge angle: 0° to 60°

- Auto swing

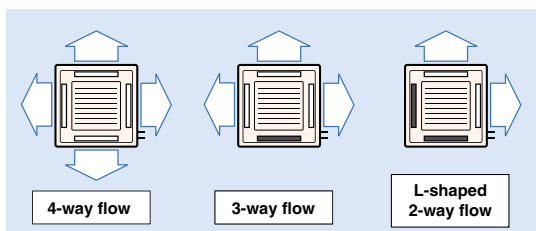


- Fixed angles: 5 levels



*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°).

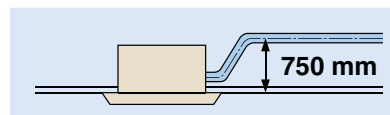
- 2 2-, 3-, and 4-way airflow patterns are available, enabling installation in the corner of a room.



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



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



INDOOR UNIT LINEUP

VRV INDOOR UNITS

4-Way Flow Ceiling Suspended Type

New

FXUQ71A / FXUQ100A



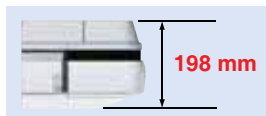
This slim and stylish indoor unit achieves optimum air distribution, and can be installed without a ceiling cavity.

- 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.

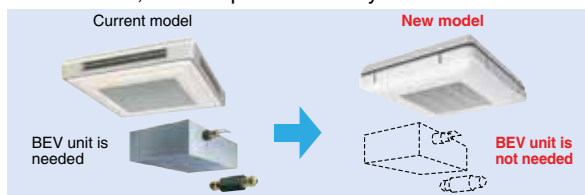


- Flaps close automatically when the unit stops, which gives a simple appearance.

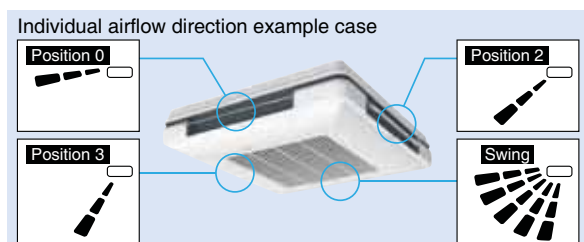
- Unified slim height of 198 mm for all models that gives the unified impression even when models with different capacities are installed in the same area.



- Built-in electronic expansion valve eliminates the need for a BEV unit, which improves flexibility of installation.



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

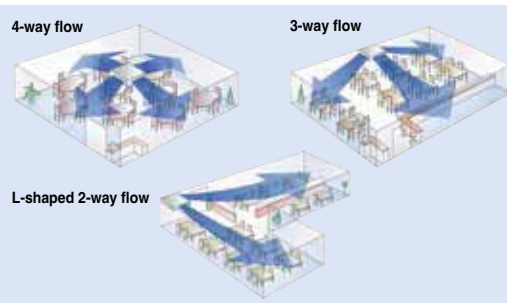


- Control of the airflow rate has been improved from 2-step to 3-step control. Auto airflow rate control can be selected with wired remote controller BRC1E62.

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



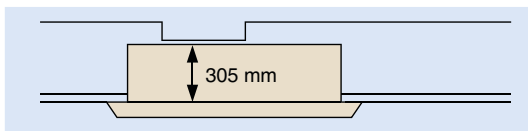
Ceiling Mounted Cassette (Double Flow) Type

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.

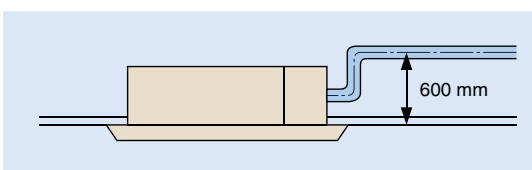


(When a high-efficiency filter is attached, the unit's height is 400 mm.)

- Low operation sound level (220 V)(dB(A))

FXCQ-M	20	25/32	40/50	63	80	125
Sound level (H/L)	32/27	34/28	34/29	37/32	39/34	44/38

- 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 filters are available (65% and 95%, colourimetric method).

- A long-life filter is equipped as a 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

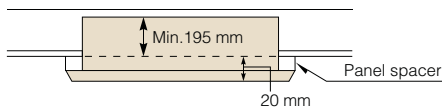
Ceiling Mounted Cassette Corner Type

FXKQ25MA / FXKQ32MA
FXKQ40MA / FXKQ63MA

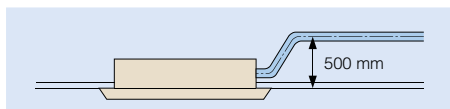


Slim design for flexible installation

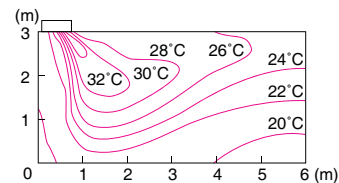
- Slim body needs only 220 mm space above the ceiling. If you use a panel spacer (option), the unit can be installed in the minimum space of 195 mm.



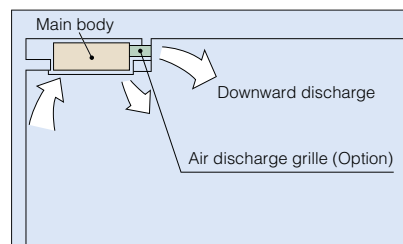
- Single-flow type allows effective air discharge from corner or from drop-ceiling.
- Drain pump is equipped as standard accessory with 500 mm lift.



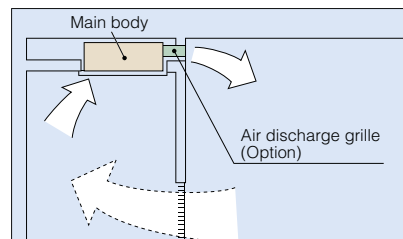
- Providing 3 different settings of standard, draft prevention and ceiling soiling prevention, the auto swing mechanism assures even distribution of airflow and room temperature.



- 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 is equipped as a standard accessory.

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

Slim Ceiling Mounted Duct Type

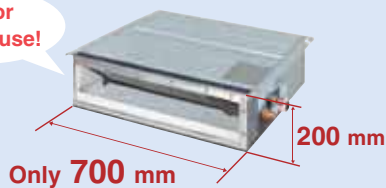
Slim design, quietness and static pressure switching

Suited to use in drop-ceiling!

FXDQ20PB / FXDQ25PB / FXDQ32PB

- Only 700 mm in width and 23 kg in weight, this model is suitable for installation in limited spaces like drop-ceiling in hotels.

Great for hotel use!



- Control of the airflow rate has been improved from 2-step to 3-step control.

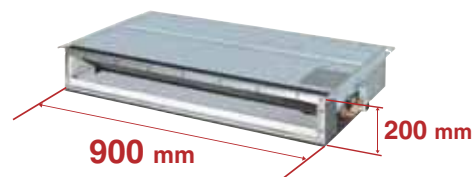
- Low operation sound level

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

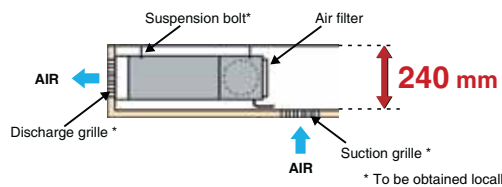
* The values of operation sound level represent those for rear-suction operation. Sound level values for bottom-suction operation can be obtained by adding 5 dB(A).
 * Values are based on the following conditions:
 FXDQ-PB: external static pressure of 10 Pa; FXDQ-NB: external static pressure of 15 Pa.

FXDQ40NB / FXDQ50NB / FXDQ63NB

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



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

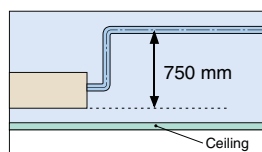


- External static pressure selectable by remote controller switching make this indoor unit a very comfortable and flexible model.

10 Pa-30 Pa/factory set: 10 Pa for FXDQ-PB models.
 15 Pa-44 Pa/factory set: 15 Pa for FXDQ-NB models.

- FXDQ-PB and FXDQ-NB models are available with a drain pump as a standard accessory.

FXDQ-PB/NBVE: with a drain pump (750 mm lift) as a standard accessory



INDOOR UNIT LINEUP

VRV INDOOR UNITS

Ceiling Mounted Duct Type

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



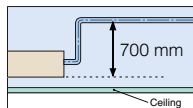
Middle and high static pressure allows for flexible duct design

- 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 operations. With the conventional model, the airflow rate was controlled from the PC board. It is automatically adjusted to the range between approximately $\pm 10\%$ 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.

Ceiling Suspended Type

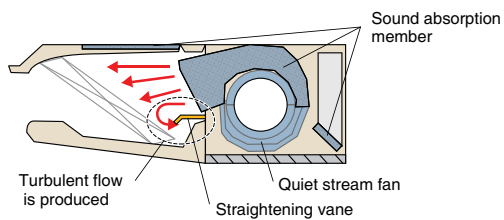
**FXHQ32MA / FXHQ63MA
FXHQ100MA**



Slim body with quiet and wide airflow

- Adoption of QUIET STREAM FAN

Uses the quiet stream fan and many more advanced technologies.

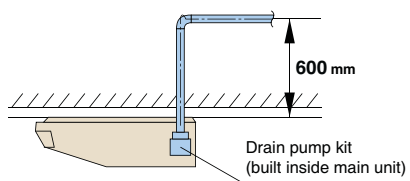


- Low operation sound level

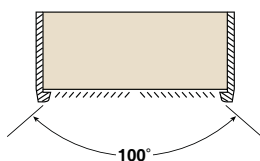
	(dB(A))		
FXHQ-MA	32	63	100
Sound level (H/L)	36/31	39/34	45/37

- Installation is easy

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



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



- Maintenance is easy

- Non-dew flap with no implanted bristles

Bristle-free flap minimises contamination and makes cleaning simpler.



Non-dew Flap

- Easy-to-clean flat design

- Maintenance is easier because everything can be performed from below the unit.

- A long-life filter is equipped as standard accessory.

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

INDOOR UNIT LINEUP

VRV INDOOR UNITS

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

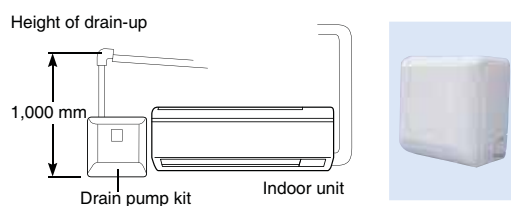
FXAQ-P	20	25	32	40	50	63
Sound level (H/L)	35/31	36/31	38/31	39/34	42/37	47/41

(dB(A))

- 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 it from either left or right sides.



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



Floor Standing Type

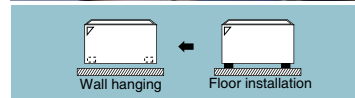
FXLQ20MA / FXLQ25MA
 FXLQ32MA / FXLQ40MA
 FXLQ50MA / FXLQ63MA



Suitable for perimeter zone airconditioning

- 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 is equipped as standard accessory.

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



Concealed Floor Standing Type

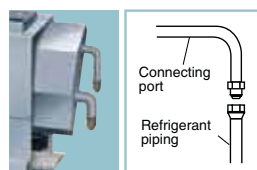
FXNQ20MA / FXNQ25MA
 FXNQ32MA / FXNQ40MA
 FXNQ50MA / FXNQ63MA



Designed to be concealed in the perimeter skirting-wall

- The unit is concealed in the skirting-wall of the perimeter, that creates a classy interior design.
- The connecting port faces downwards, greatly facilitating on-site piping work.
- A long-life filter is equipped as a 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

VRV INDOOR UNITS

Floor Standing Duct Type

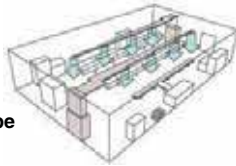
New

FXVQ125M / FXVQ200M
FXVQ250M / FXVQ400M
FXVQ500MY16



**Large airflow type for large spaces.
Flexible interior design for each customer.**

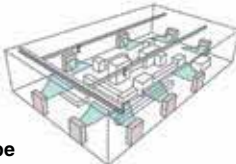
- Large airflow type that fits for spacious areas such as factories and large stores.
- Various installations can be supported from full-scale duct connection airflow to direct airflow that allows for easy installation.
- Full-scale duct connection airflow allows for airconditioning evenly in spacious areas.



Duct connection airflow type

- Adding the plenum chamber (option) allows for simple operation with direct airflow.

* Note that the operation sound increases by approximately 5 dB(A).



Direct airflow type

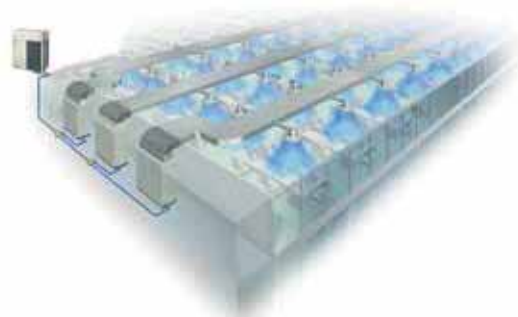


- The high static pressure type driven by the belt drive system allows for use of air discharge outlets in various shapes as well as long ducts. Highly flexible installation is possible.
- High maintainability design that allows major services and maintenance services to be performed at the front.

A long-life filter is equipped as a standard accessory.

- * 8 hr/day, 26 day/month. For dust concentration of 0.15 mg/m³

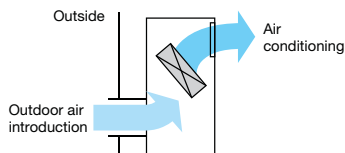
- A wide range of optional accessories are available such as high-efficiency filters.



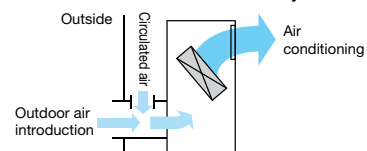
- Outdoor air intake mode is useable as an outdoor-air processing airconditioner.

*When using the unit as an outdoor-air processing unit, there are some restrictions.

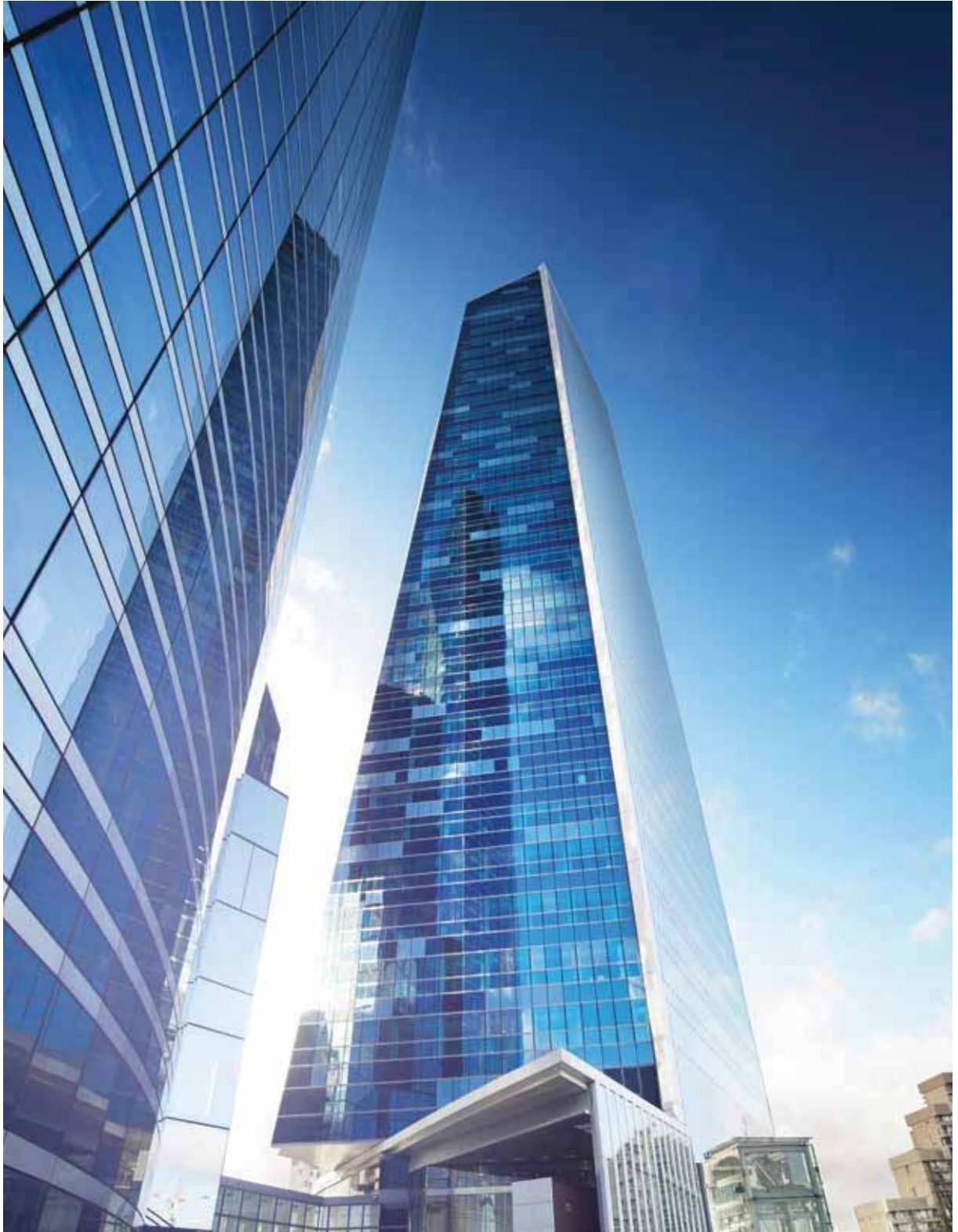
All-fresh (using outdoor air only) system



Return + Outdoor air mixed system



* Air introduced from the outside and circulated air must be mixed in the air conditioner primary side before introduction into the air conditioner.



SPECIFICATIONS

VRV INDOOR UNITS

Ceiling Mounted Cassette (Round Flow) Type



MODEL		FXFQ25LUV1	FXFQ32LUV1	FXFQ40LUV1	FXFQ50LUV1	FXFQ63LUV1	FXFQ80LUV1	FXFQ100LUV1	FXFQ125LUV1
Power supply		1-phase, 220-240 V, 50 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
Casing		Galvanised steel plate							
Airflow rate (HH/H/L)	m ³ /min	13/11.5/10	13/11.5/10	15/13/11	16/13.5/11	19/16.5/13.5	21/18/15	32/26/20	33/28/22.5
	cfm	459/406/353	459/406/353	530/459/388	565/477/388	671/583/477	742/636/530	1,130/918/706	1,165/989/794
Sound level (HH/H/L)	dB(A)	30/28.5/27	30/28.5/27	31/29/27	32/29.5/27	34/31/28	36/33.5/31	43/37.5/32	44/39/34
Dimensions (HxWxD)	mm	246x840x840						288x840x840	
Machine weight	kg	19.5			22		25		
Piping connections	Liquid (Flare)	φ 6.4			φ 9.5				
	Gas (Flare)	φ 12.7			φ 15.9				
	Drain	VP25 (External Dia, 32/Internal Dia, 25)							
Panel (Option)	Model	BYCP125K-W1							
	Colour	Fresh white							
	Dimensions(HxWxD)	mm		50x950x950					
	Weight	kg		5.5					

Ceiling Mounted Cassette (Round Flow with Sensing) Type (Optional)



MODEL		FXFQ25SVM	FXFQ32SVM	FXFQ40SVM	FXFQ50SVM	FXFQ63SVM	FXFQ80SVM	FXFQ100SVM	FXFQ125SVM
Power supply		1-phase, 220-240 V, 50 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
Casing		Galvanised steel plate							
Airflow rate (H/M/L)	m ³ /min	12.5/11.5/10.0	12.5/11.5/10.0	14.5/13.0/11.0	22.0/17.5/13.5	23.5/18.5/13.5	23.5/19.5/15.0	33.0/26.0/19.0	34.5/27.5/21.0
	cfm	441/406/353	441/406/353	512/459/388	777/618/477	830/653/477	830/688/530	1,165/918/671	1,218/971/741
Sound level (H/M/L)	dB(A)	30/28.5/27	30/28.5/27	31/29/27	36/32/28	38/33/28	38/35/31	44/38/32	45/40/35
Dimensions (HxWxD)	mm	246x840x840						288x840x840	
Machine weight	kg	19			23		26		
Piping connections	Liquid (Flare)	φ 6.4			φ 9.5				
	Gas (Flare)	φ 12.7			φ 15.9				
	Drain	I.D. φ 25xO.D. φ 32(VP25)							
Panel (Option)	Model	BYCQ125B-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.
- 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 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	
Casing		Galvanised steel plate					
Airflow rate (H/L)	m ³ /min	9/7		9.5/7.5	11/8	14/10	
	cfm	318/247		335/265	388/282	493/353	
Sound level (H/L)	230 V	dB(A)		30/25	32/26	36/28	41/33
Dimensions (HxWxD)		mm 286x575x575					
Machine weight		kg 18					
Piping connections	Liquid (Flare)	mm ϕ 6.4					
	Gas (Flare)	mm ϕ 12.7					
	Drain	VP20 (External Dia, 26/Internal Dia, 20)					
Panel (Option)	Model		BYFQ60B8W1				
	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 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
Casing		Fresh white	
Airflow rate (H/M/L)	m ³ /min	22.5/19.5/16	31/26/21
	cfm	794/688/565	1,094/918/741
Sound level (H/M/L)	dB(A)	40/38/36	47/44/40
Dimensions (HxWxD)		mm 198x950x950	
Machine weight		kg 26	kg 27
Piping connections	Liquid (Flare)	mm ϕ 9.5	
	Gas (Flare)	mm 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°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.
 - 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.

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 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	
Casing		Galvanised steel plate								
Airflow rate (HH/M/L)	m ³ /min	7/5	9/6.5	9/6.5	12/9	12/9	16.5/13	26/21	33/25	
	cfm	247/177	318/230	318/230	424/318	424/318	582/459	918/741	1,165/883	
Sound level (H/L) 220 V	dB(A)	32/27	34/28	34/28	34/29	34/29	37/32	39/34	44/38	
Dimensions (HxWxD)	mm	305x775x600	305x775x600	305x775x600	305x990x600	305x990x600	305x1,175x600	305x1,665x600	305x1,665x600	
Machine weight	kg	26.0	26.0	26.0	31.0	32.0	35.0	47.0	48.0	
Piping connections	Liquid (Flare)	φ6.4	φ6.4	φ6.4	φ6.4	φ6.4	φ9.5	φ9.5	φ9.5	
	Gas (Flare)	φ12.7	φ12.7	φ12.7	φ12.7	φ12.7	φ15.9	φ15.9	φ15.9	
	Drain	VP25 (External Dia, 32/Internal Dia, 25)								
Panel (Option)	Model	BYBC32G-W1			BYBC50G-W1		BYBC63G-W1	BYBC125G-W1		
	Colour	White (10Y9/0.5)								
	Dimensions(HxWxD)	mm	53x1,030x680	53x1,030x680	53x1,030x680	53x1,245x680	53x1,245x680	53x1,430x680	53x1,920x680	53x1,920x680
	Weight	kg	8.0	8.0	8.0	8.5	8.5	9.5	12.0	12.0

Ceiling Mounted Cassette Corner Type



MODEL		FXKQ25MAVE	FXKQ32MAVE	FXKQ40MAVE	FXKQ63MAVE
Power supply		1-phase, 220-240 V/220 V, 50 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
Casing		Galvanised steel plate			
Airflow rate (H/L)	m ³ /min	11/9	11/9	13/10	18/15
	cfm	388/318	388/318	459/353	635/530
Sound level (H/L) 220 V	dB(A)	38/33	38/33	40/34	42/37
Dimensions (HxWxD)	mm	215x1,110x710	215x1,110x710	215x1,110x710	215x1,310x710
Machine weight	kg	31	31	31	34
Piping connections	Liquid (Flare)	φ 6.4	φ 6.4	φ 6.4	φ 9.5
	Gas (Flare)	φ 12.7	φ 12.7	φ 12.7	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	70x1,240x800	70x1,440x800
	Weight	kg	8.5	8.5	8.5

Note: Specifications are based on the following conditions:

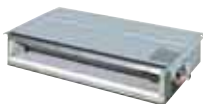
- Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
- Heating: Indoor temp.: 20°CDB, Outdoor temp.: 7°CDB, 6°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
- Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index.
- Sound level: (FXCQ-M) Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre.
(FXKQ-MA) Anechoic chamber conversion value, measured at a point 1 m in front of the unit and 1 m downward.
During actual operation, these values are normally somewhat higher as a result of ambient conditions.

Slim Ceiling Mounted Duct Type (700 mm width type)



MODEL	with drain pump	FXDQ20PBVE	FXDQ25PBVE	FXDQ32PBVE
	Power supply			
		1-phase, 220-240 V/220 V, 50 Hz		
Cooling capacity	kcal/h	1,900	2,400	3,100
	Btu/h	7,500	9,600	12,300
	kW	2.2	2.8	3.6
Heating capacity	kcal/h	2,200	2,800	3,400
	Btu/h	8,500	10,900	13,600
	kW	2.5	3.2	4.0
Casing		Galvanised steel plate		
Airflow rate (HH/H/L)	m ³ /min	8.0/7.2/6.4	8.0/7.2/6.4	8.0/7.2/6.4
	cfm	282/254/226	282/254/226	282/254/226
External static pressure	Pa	30-10* ²		
Sound level (HH/H/L)* ¹ * ³	dB(A)	33/31/29		
Dimensions (HxWxD)	mm	200x700x620	200x700x620	200x700x620
Machine weight	kg	23.0	23.0	23.0
Piping connections	Liquid (Flare)	φ6.4	φ6.4	φ6.4
	Gas (Flare)	φ12.7	φ12.7	φ12.7
	Drain	VP20 (External Dia, 26/Internal Dia, 20)		

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



MODEL	with drain pump	FXDQ40NBVE	FXDQ50NBVE	FXDQ63NBVE
	Power supply			
		1-phase, 220-240 V/220 V, 50 Hz		
Cooling capacity	kcal/h	3,900	4,800	6,100
	Btu/h	15,400	19,100	24,200
	kW	4.5	5.6	7.1
Heating capacity	kcal/h	4,300	5,400	6,900
	Btu/h	17,100	21,500	27,300
	kW	5.0	6.3	8.0
Casing		Galvanised steel plate		
Airflow rate (HH/H/L)	m ³ /min	10.5/9.5/8.5	12.5/11.0/10.0	16.5/14.5/13.0
	cfm	371/335/300	441/388/353	583/512/459
External static pressure	Pa	44-15* ²		
Sound level (HH/H/L)* ¹ * ³	dB(A)	34/32/30	35/33/31	36/34/32
Dimensions (HxWxD)	mm	200x900x620	200x900x620	200x1,100x620
Machine weight	kg	27.0	28.0	31.0
Piping connections	Liquid (Flare)	φ6.4	φ6.4	φ6.4
	Gas (Flare)	φ12.7	φ12.7	φ12.7
	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.

* Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index.

* 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 1.5 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).

SPECIFICATIONS

VRV INDOOR UNITS

Ceiling Mounted Duct Type



MODEL		FXMQ20PVE	FXMQ25PVE	FXMQ32PVE	FXMQ40PVE	FXMQ50PVE
Power supply		1-phase, 220-240 V/220 V, 50 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
Casing		Galvanised steel plate				
Airflow rate (HH/H/L)	m ³ /min	9/7.5/6.5	9/7.5/6.5	9.5/8/7	16/13/11	18/16.5/15
	cfm	318/265/230	318/265/230	335/282/247	565/459/388	635/582/530
External static pressure	Pa	30-100 (50)*2	30-100 (50)*2	30-100 (50)*2	30-160 (100)*2	50-200 (100)*2
Sound level (HH/H/L)	dB(A)	33/31/29	33/31/29	34/32/30	39/37/35	41/39/37
Dimensions (HxWxD)	mm	300X550X700	300X550X700	300X550X700	300X700X700	300X1,000X700
Machine weight	kg	25	25	25	28	36
Piping connections	Liquid (Flare)	φ 6.4	φ 6.4	φ 6.4	φ 6.4	φ 6.4
	Gas (Flare)	φ 12.7	φ 12.7	φ 12.7	φ 12.7	φ 12.7
	Drain	VP25 (External Dia, 32/Internal Dia, 25)				

MODEL		FXMQ63PVE	FXMQ80PVE	FXMQ100PVE	FXMQ125PVE	FXMQ140PVE
Power supply		1-phase, 220-240 V/220 V, 50 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
Casing		Galvanised steel plate				
Airflow rate (HH/H/L)	m ³ /min	19.5/17.5/16	25/22.5/20	32/27/23	39/33/28	46/39/32
	cfm	688/618/565	883/794/706	1,130/953/812	1,377/1,165/988	1,624/1,377/1,130
External static pressure	Pa	50-200 (100)*2	50-200 (100)*2	50-200 (100)*2	50-200 (100)*2	50-140 (100)*2
Sound level (HH/H/L)	dB(A)	42/40/38	43/41/39	43/41/39	44/42/40	46/45/43
Dimensions (HxWxD)	mm	300X1,000X700	300X1,000X700	300X1,400X700	300X1,400X700	300X1,400X700
Machine weight	kg	36	36	46	46	47
Piping connections	Liquid (Flare)	φ 9.5	φ 9.5	φ 9.5	φ 9.5	φ 9.5
	Gas (Flare)	φ 15.9	φ 15.9	φ 15.9	φ 15.9	φ 15.9
	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°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.
- 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.

Ceiling Mounted Duct Type



MODEL		FXMQ200MVE	FXMQ200MVE
Power supply		1-phase, 220-240 V/220 V, 50 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
Casing		Galvanised steel plate	
Airflow rate (H/L)	m ³ /min	58/50	72/62
	cfm	2,047/1,765	2,542/2,189
External static pressure		132-221 *2	191-270 *2
Sound level(H/L) 220 V	dB(A)	48/45	48/45
Dimensions (HxWxD)		470x1,380x1,100	470x1,380x1,100
Machine weight		137	137
Piping connections	Liquid (Flare)	φ 9.5	φ 9.5
	Gas (Flare)	φ 19.1	φ 22.2
	Drain	PS1B	

Ceiling Suspended Type



MODEL		FXHQ32MAVE	FXHQ63MAVE	FXHQ100MAVE
Power supply		1-phase, 220-240 V/220 V, 50 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
Casing		White (10Y9/0.5)		
Airflow rate (H/L)	m ³ /min	12/10	17.5/14	25/19.5
	cfm	424/353	618/494	883/688
Sound level (H/L)		36/31	39/34	45/37
Dimensions (HxWxD)		195x960x680	195x1,160x680	195x1,400x680
Machine weight		24.0	28.0	33.0
Piping connections	Liquid (Flare)	φ 6.4	φ 9.5	φ 9.5
	Gas (Flare)	φ 12.7	φ 15.9	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°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.
- 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 standard external static pressure.

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

SPECIFICATIONS

VRV INDOOR UNITS

Wall Mounted Type



MODEL		FXAQ20PVE	FXAQ25PVE	FXAQ32PVE	FXAQ40PVE	FXAQ50PVE	FXAQ63PVE
Power supply		1-phase, 220-240 V/220 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
Casing		White (3.0Y8.5/0.5)					
Airflow rate (H/L)	m ³ /min	7.5/4.5	8/5	8.5/5.5	12/9	15/12	19/14
	cfm	265/159	282/177	300/194	424/318	530/424	671/494
Sound level (H/L)	dB(A)	35/31	36/31	38/31	39/34	42/37	47/41
Dimensions (HxWxD)	mm	290x795x238	290x795x238	290x795x238	290x1,050x238	290x1,050x238	290x1,050x238
Machine weight	kg	11.0	11.0	11.0	14.0	14.0	14.0
Piping connections	Liquid (Flare)	mm	φ6.4	φ6.4	φ6.4	φ6.4	φ6.4
	Gas (Flare)		φ12.7	φ12.7	φ12.7	φ12.7	φ12.7
	Drain		VP13 (External Dia, 18/Internal Dia, 13)				

Floor Standing Type/Concealed Floor Standing Type



FXLQ



FXNQ

MODEL		FXLQ20MAVE	FXLQ25MAVE	FXLQ32MAVE	FXLQ40MAVE	FXLQ50MAVE	FXLQ63MAVE
		FXNQ20MAVE	FXNQ25MAVE	FXNQ32MAVE	FXNQ40MAVE	FXNQ50MAVE	FXNQ63MAVE
Power supply		1-phase, 220-240 V/220 V, 50 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
Casing		FXLQ: Ivory white (5Y7.5/1)/FXNQ: Galvanised steel plate					
Airflow rate (H/L)	m ³ /min	7/6	7/6	8/6	11/8.5	14/11	16/12
	cfm	247/212	247/212	282/212	388/300	494/388	565/424
Sound level (H/L)	220 V dB(A)	35/32	35/32	35/32	38/33	39/34	40/35
Dimensions (HxWxD)	FXLQ	mm	600x1,000x222	600x1,000x222	600x1,140x222	600x1,140x222	600x1,420x222
	FXNQ		610x930x220	610x930x220	610x1,070x220	610x1,070x220	610x1,350x220
Machine weight	FXLQ	kg	25.0	25.0	30.0	30.0	36.0
	FXNQ		19.0	19.0	23.0	23.0	27.0
Piping connections	Liquid (Flare)	mm	φ6.4	φ6.4	φ6.4	φ6.4	φ6.4
	Gas (Flare)		φ12.7	φ12.7	φ12.7	φ12.7	φ12.7
	Drain		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.
- 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.

Floor Standing Duct Type



MODEL		FXVQ125MY1	FXVQ200MY1	FXVQ250MY1	FXVQ400MY1	FXVQ500MY16	
Power supply		3-phase 4-wire system, 380–415 V, 50 Hz					
Cooling capacity	kcal/h	12,000	19,300	24,100	38,700	48,200	
	Btu/h	47,800	76,400	95,500	154,000	191,000	
	kW	14.0	22.4	28.0	45.0	56.0	
Heating capacity	kcal/h	13,800	21,500	27,100	43,000	54,200	
	Btu/h	54,600	85,300	107,500	171,000	215,000	
	kW	16.0	25.0	31.5	50.0	63.0	
Casing colour		Ivory white (5Y7.5/1)					
Dimensions (H×W×D)	mm	1,670×750×510	1,670×950×510	1,670×1,170×510	1,900×1,170×720	1,900×1,470×720	
Machine weight	kg	115	140	165	225	295	
Sound level *1	dB(A)	52	55	59	64	67	
Piping connections	Liquid	mm	φ9.5 (Brazeing)		φ12.7 (Brazeing)	φ15.9 (Brazeing)	
	Gas	mm	φ15.9 (Brazeing)	φ 19.1 (Brazeing)	φ22.2 (Brazeing)	φ28.6 (Brazeing)	
	Drain	mm	Rp1 (PS 1B internal thread)				
Air filter	Type	Long-life filter (anti-mould resin net)					
Fan	Motor output	kW	0.75	1.5	1.5	3.7	5.5
	Airflow rate	m ³ /min	43	69	86	134	172
		cfm	1,518	2,436	3,036	4,730	6,072
	External static pressure *2	Pa	150	210	270	380	480
Drive system		Belt drive system					



Notes: Specifications are based on the following conditions;

- Cooling : Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB.
- 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.
- *1 Sound level : measured when the air discharge outlet duct (2 m) is attached (anechoic chamber conversion value).
It increases by approximately 5 dB(A) when the plenum chamber is installed to deliver direct airflow.
- *2 The value is the external static pressure with standard pulley.

SPECIFICATIONS

OUTDOOR UNITS

Normal (Space Saving) Type

							
MODEL		RXYQ6TRY6(E)	RXYQ8TRY6(E)	RXYQ10TRY6(E)	RXYQ12TRY6(E)	RXYQ14TRY6(E)	RXYQ16TRY6(E)
Combination units		—	—	—	—	—	—
Power supply		3-phase 4-wire system, 380–415 V, 50 Hz					
Cooling capacity	kcal/h	13,800	19,300	24,100	28,800	34,400	38,700
	Btu/h	54,600	76,400	95,500	114,000	136,000	154,000
	kW	16.0	22.4	28.0	33.5	40.0	45.0
Heating capacity	kcal/h	15,500	21,500	27,100	32,300	38,700	43,000
	Btu/h	61,400	85,300	107,000	128,000	154,000	171,000
	kW	18.0	25.0	31.5	37.5	45.0	50.0
Capacity control		%	20-100	20-100	16-100	15-100	11-100
Casing colour		Ivory white (5Y7.5/1)					
Compressor	Type	Hermetically Sealed Scroll Type					
	No. of compressor	1	1	1	1	2	2
Airflow rate		m ³ /min	119	157	165	178	233
Dimensions (HxWxD)		mm	1,657x930x765	1,657x930x765	1,657x930x765	1,657x930x765	1,657x1,240x765
Machine weight		kg	185	185	195	195	285
Sound level		dB(A)	55	56	57	59	61
Operation range	Cooling	°CDB	-5 to 49				
	Heating	°CWB	-20 to 15.5				
Refrigerant	Type	R-410A					
	Charge	kg	5.9	5.9	6.0	6.3	10.3
Piping connections	Liquid	mm	φ 9.5 (Brazing)			φ 12.7 (Brazing)	
	Gas	mm	φ 19.1 (Brazing)		φ 22.2 (Brazing)	φ 28.6 (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.

HEAT PUMP

Normal (Space Saving) Type

						
MODEL		RXYQ18TRY6(E)	RXYQ20TRY6(E)	RXYQ22TRY6(E)	RXYQ24TRY6(E)	
Combination units		—	—	RXYQ10TRY6(E)	RXYQ12TRY6(E)	
		—	—	RXYQ12TRY6(E)	RXYQ12TRY6(E)	
		—	—	—	—	
Power supply		3-phase 4-wire system, 380–415 V, 50 Hz				
Cooling capacity	kcal/h	43,000	48,200	52,900	57,600	
	Btu/h	171,000	191,000	210,000	229,000	
	kW	50.0	56.0	61.5	67.0	
Heating capacity	kcal/h	48,200	54,200	59,300	64,500	
	Btu/h	191,000	215,000	235,000	256,000	
	kW	56.0	63.0	69.0	75.0	
Capacity control	%	10-100	8-100	8-100	8-100	
Casing colour		Ivory white (5Y7.5/1)				
Compressor	Type	Hermetically Sealed Scroll Type				
	No. of compressor	2	2	2	2	
Airflow rate	m ³ /min	233	268	165+178	178+178	
Dimensions (HxWxD)	mm	1,657X1,240X765	1,657X1,240X765	(1,657X930X765)+ (1,657X930X765)	(1,657X930X765)+ (1,657X930X765)	
Machine weight	kg	300	320	195+195	195+195	
Sound level	dB(A)	62	65	61	62	
Operation range	Cooling	°CDB -5 to 49				
	Heating	°CWB -20 to 15.5				
Refrigerant	Type	R-410A				
	Charge	kg	11.7	11.8	6.0+6.3	6.3+6.3
Piping connections	Liquid	mm	φ 15.9 (Brazing)	φ 15.9 (Brazing)	φ 15.9 (Brazing)	φ 15.9 (Brazing)
	Gas	mm	φ 28.6 (Brazing)	φ 28.6 (Brazing)	φ 28.6 (Brazing)	φ 34.9 (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.

SPECIFICATIONS

OUTDOOR UNITS

Normal (Space Saving) Type




MODEL		RXYQ26TRY6(E)	RXYQ28TRY6(E)	RXYQ30TRY6(E)	RXYQ32TRY6(E)	RXYQ34TRY6(E)	RXYQ36TRY6(E)
Combination units		RXYQ8TRY6(E)	RXYQ12TRY6(E)	RXYQ12TRY6(E)	RXYQ12TRY6(E)	RXYQ16TRY6(E)	RXYQ18TRY6(E)
		RXYQ18TRY6(E)	RXYQ16TRY6(E)	RXYQ18TRY6(E)	RXYQ20TRY6(E)	RXYQ18TRY6(E)	RXYQ18TRY6(E)
		—	—	—	—	—	—
Power supply		3-phase 4-wire system, 380–415 V, 50 Hz					
Cooling capacity	kcal/h	62,300	67,500	71,800	77,000	81,700	86,000
	Btu/h	247,000	268,000	285,000	305,000	324,000	341,000
	kW	72.4	78.5	83.5	89.5	95.0	100
Heating capacity	kcal/h	69,700	75,300	80,400	86,900	91,200	96,300
	Btu/h	276,000	299,000	319,000	345,000	362,000	382,000
	kW	81.0	87.5	93.5	101	106	112
Capacity control	%	7-100	6-100	6-100	5-100	5-100	5-100
Casing colour		Ivory white (5Y7.5/1)					
Compressor	Type	Hermetically Sealed Scroll Type					
	No. of compressor	3	3	3	3	4	4
Airflow rate	m ³ /min	157+233	178+233	178+233	178+268	233+233	233+233
Dimensions (HxWxD)	mm	(1,657x930x765)+ (1,657x1,240x765)	(1,657x930x765)+ (1,657x1,240x765)	(1,657x930x765)+ (1,657x1,240x765)	(1,657x930x765)+ (1,657x1,240x765)	(1,657x1,240x765)+ (1,657x1,240x765)	(1,657x1,240x765)+ (1,657x1,240x765)
Machine weight	kg	185+300	195+285	195+300	195+320	285+300	300+300
Sound level	dB(A)	63	63	64	66	65	65
Operation range	Cooling °CDB	-5 to 49					
	Heating °CWB	-20 to 15.5					
Refrigerant	Type	R-410A					
	Charge kg	5.9+11.7	6.3+10.4	6.3+11.7	6.3+11.8	10.4+11.7	11.7+11.7
Piping connections	Liquid mm	φ 19.1 (Brazing)	φ 19.1 (Brazing)	φ 19.1 (Brazing)	φ 19.1 (Brazing)	φ 19.1 (Brazing)	φ 19.1 (Brazing)
	Gas mm	φ 34.9 (Brazing)	φ 34.9 (Brazing)	φ 34.9 (Brazing)	φ 34.9 (Brazing)	φ 34.9 (Brazing)	φ 41.3 (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.


HEAT PUMP

						
RXYQ38TRY6(E)	RXYQ40TRY6(E)	RXYQ42TRY6(E)	RXYQ44TRY6(E)	RXYQ46TRY6(E)	RXYQ48TRY6(E)	RXYQ50TRY6(E)
RXYQ18TRY6(E)	RXYQ20TRY6(E)	RXYQ12TRY6(E)	RXYQ12TRY6(E)	RXYQ12TRY6(E)	RXYQ12TRY6(E)	RXYQ12TRY6(E)
RXYQ20TRY6(E)	RXYQ20TRY6(E)	RXYQ12TRY6(E)	RXYQ12TRY6(E)	RXYQ16TRY6(E)	RXYQ18TRY6(E)	RXYQ18TRY6(E)
—	—	RXYQ18TRY6(E)	RXYQ20TRY6(E)	RXYQ18TRY6(E)	RXYQ18TRY6(E)	RXYQ20TRY6(E)
3-phase 4-wire system, 380–415 V, 50 Hz						
91,200	96,300	101,000	106,000	111,000	115,000	120,000
362,000	382,000	399,000	420,000	440,000	457,000	478,000
106	112	117	123	129	134	140
102,000	108,000	113,000	119,000	124,000	129,000	135,000
406,000	430,000	447,000	471,000	491,000	512,000	536,000
119	126	131	138	144	150	157
4-100	4-100	4-100	4-100	4-100	4-100	3-100
Ivory white (5Y7.5/1)						
Hermetically Sealed Scroll Type						
4	4	4	4	5	5	5
233+268	268+268	178+178+233	178+178+268	178+233+233	178+233+233	178+233+268
(1,657X1,240X765)+ (1,657X1,240X765)	(1,657X1,240X765)+ (1,657X1,240X765)	(1,657X930X765)+ (1,657X930X765)+ (1,657X1,240X765)	(1,657X930X765)+ (1,657X930X765)+ (1,657X1,240X765)	(1,657X930X765)+ (1,657X1,240X765)+ (1,657X1,240X765)	(1,657X930X765)+ (1,657X1,240X765)+ (1,657X1,240X765)	(1,657X930X765)+ (1,657X1,240X765)+ (1,657X1,240X765)
300+320	320+320	195+195+300	195+195+320	195+285+300	195+300+300	195+300+320
67	68	65	67	66	66	67
-5 to 49						
-20 to 15.5						
R-410A						
11.7+11.8	11.8+11.8	6.3+6.3+11.7	6.3+6.3+11.8	6.3+10.4+11.7	6.3+11.7+11.7	6.3+11.7+11.8
φ19.1 (Brazing)	φ19.1 (Brazing)	φ19.1 (Brazing)	φ19.1 (Brazing)	φ19.1 (Brazing)	φ19.1 (Brazing)	φ19.1 (Brazing)
φ41.3 (Brazing)	φ41.3 (Brazing)	φ41.3 (Brazing)	φ41.3 (Brazing)	φ41.3 (Brazing)	φ41.3 (Brazing)	φ41.3 (Brazing)

SPECIFICATIONS

OUTDOOR UNITS

Normal (Space Saving) Type

							
MODEL		RXYQ52TRY6(E)	RXYQ54TRY6(E)	RXYQ56TRY6(E)	RXYQ58TRY6(E)	RXYQ60TRY6(E)	
Combination units		RXYQ16TRY6(E)	RXYQ18TRY6(E)	RXYQ18TRY6(E)	RXYQ18TRY6(E)	RXYQ20TRY6(E)	
		RXYQ18TRY6(E)	RXYQ18TRY6(E)	RXYQ18TRY6(E)	RXYQ20TRY6(E)	RXYQ20TRY6(E)	
		RXYQ18TRY6(E)	RXYQ18TRY6(E)	RXYQ20TRY6(E)	RXYQ20TRY6(E)	RXYQ20TRY6(E)	
Power supply		3-phase 4-wire system, 380–415 V, 50 Hz					
Cooling capacity	kcal/h	125,000	129,000	134,000	139,000	144,000	
	Btu/h	495,000	512,000	532,000	553,000	573,000	
	kW	145	150	156	162	168	
Heating capacity	kcal/h	139,000	144,000	151,000	157,000	163,000	
	Btu/h	553,000	573,000	597,000	621,000	645,000	
	kW	162	168	175	182	189	
Capacity control	%	3-100	3-100	3-100	3-100	3-100	
Casing colour		Ivory white (5Y7.5/1)					
Compressor	Type	Hermetically Sealed Scroll Type					
	No. of compressor	6	6	6	6	6	
Airflow rate	m ³ /min	233+233+233	233+233+233	233+233+268	233+268+268	268+268+268	
Dimensions (HxWxD)	mm	(1,657x1,240x765)+ (1,657x1,240x765)+ (1,657x1,240x765)	(1,657x1,240x765)+ (1,657x1,240x765)+ (1,657x1,240x765)	(1,657x1,240x765)+ (1,657x1,240x765)+ (1,657x1,240x765)	(1,657x1,240x765)+ (1,657x1,240x765)+ (1,657x1,240x765)	(1,657x1,240x765)+ (1,657x1,240x765)+ (1,657x1,240x765)	
Machine weight	kg	285+300+300	300+300+300	300+300+320	300+320+320	320+320+320	
Sound level	dB(A)	66	67	68	69	70	
Operation range	Cooling	°CDB -5 to 49					
	Heating	°CWB -20 to 15.5					
Refrigerant	Type	R-410A					
	Charge	kg	10.4+11.7+11.7	11.7+11.7+11.7	11.7+11.7+11.8	11.7+11.8+11.8	11.8+11.8+11.8
Piping connections	Liquid	mm	φ 19.1 (Brazing)	φ 19.1 (Brazing)	φ 19.1 (Brazing)	φ 19.1 (Brazing)	φ 19.1 (Brazing)
	Gas	mm	φ 41.3 (Brazing)	φ 41.3 (Brazing)	φ 41.3 (Brazing)	φ 41.3 (Brazing)	φ 41.3 (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.

OUTDOOR UNIT COMBINATIONS

Normal (Space Saving) Type

HP	Capacity index	Model name	Combination	Outdoor unit multi connection piping kit *1	Total capacity index of connectable indoor units*2	Maximum number of connectable indoor units*2
6	150	RX(Y)Q6T	RX(Y)Q6T	—	75 to 195 (300)	9 (15)
8	200	RX(Y)Q8T	RX(Y)Q8T	—	100 to 260 (400)	13 (20)
10	250	RX(Y)Q10T	RX(Y)Q10T	—	125 to 325 (500)	16 (25)
12	300	RX(Y)Q12T	RX(Y)Q12T	—	150 to 390 (600)	19 (30)
14	350	RX(Y)Q14T	RX(Y)Q14T	—	175 to 455 (700)	22 (35)
16	400	RX(Y)Q16T	RX(Y)Q16T	—	200 to 520 (800)	26 (40)
18	450	RX(Y)Q18T	RX(Y)Q18T	—	225 to 585 (900)	29 (45)
20	500	RX(Y)Q20T	RX(Y)Q20T	—	250 to 650 (1,000)	32 (50)
22	550	RX(Y)Q22T	RX(Y)Q10T + RX(Y)Q12T	BHFP22P100	275 to 715 (880)	35 (44)
24	600	RX(Y)Q24T	RX(Y)Q12T x 2		300 to 780 (960)	39 (48)
26	650	RX(Y)Q26T	RX(Y)Q8T + RX(Y)Q18T		325 to 845 (1,040)	42 (52)
28	700	RX(Y)Q28T	RX(Y)Q12T + RX(Y)Q16T		350 to 910 (1,120)	45 (56)
30	750	RX(Y)Q30T	RX(Y)Q12T + RX(Y)Q18T		375 to 975 (1,200)	48 (60)
32	800	RX(Y)Q32T	RX(Y)Q12T + RX(Y)Q20T		400 to 1,040 (1,280)	52 (64)
34	850	RX(Y)Q34T	RX(Y)Q16T + RX(Y)Q18T		425 to 1,105 (1,360)	55 (64)
36	900	RX(Y)Q36T	RX(Y)Q18T x 2		450 to 1,170 (1,440)	58 (64)
38	950	RX(Y)Q38T	RX(Y)Q18T + RX(Y)Q20T		475 to 1,235 (1,520)	61 (64)
40	1,000	RX(Y)Q40T	RX(Y)Q20T x 2		500 to 1,300 (1,600)	BHFP22P151
42	1,050	RX(Y)Q42T	RX(Y)Q12T x 2 + RX(Y)Q18T	525 to 1,365 (1,365)		
44	1,100	RX(Y)Q44T	RX(Y)Q12T x 2 + RX(Y)Q20T	550 to 1,430 (1,430)		
46	1,150	RX(Y)Q46T	RX(Y)Q12T + RX(Y)Q16T + RX(Y)Q18T	575 to 1,495 (1,495)		
48	1,200	RX(Y)Q48T	RX(Y)Q12T + RX(Y)Q18T x 2	600 to 1,560 (1,560)		
50	1,250	RX(Y)Q50T	RX(Y)Q12T + RX(Y)Q18T + RX(Y)Q20T	625 to 1,625 (1,625)		
52	1,300	RX(Y)Q52T	RX(Y)Q16T + RX(Y)Q18T x 2	650 to 1,690 (1,690)		
54	1,350	RX(Y)Q54T	RX(Y)Q18T x 3	675 to 1,755 (1,755)		
56	1,400	RX(Y)Q56T	RX(Y)Q18T x 2 + RX(Y)Q20T	700 to 1,820 (1,820)		
58	1,450	RX(Y)Q58T	RX(Y)Q18T + RX(Y)Q20T x 2	725 to 1,885 (1,885)		
60	1,500	RX(Y)Q60T	RX(Y)Q20T x 3	750 to 1,950 (1,950)		

Note: *1 For multiple connection of 22 HP systems and above, the outdoor unit multi connection piping kit (separately sold) is required.

*2 Values inside brackets are based on connection of indoor units rated at maximum capacity, 200% for single outdoor units, 160% for double outdoor units, and 130% for triple outdoor units. Refer to page 10 for notes on connection capacity of indoor units.

OPTION LIST

VRV INDOOR UNITS

Ceiling Mounted Cassette (Round Flow With Sensing) Type (Optional)

No.	Item	Type	FXFQ25S	FXFQ32S	FXFQ40S	FXFQ50S	FXFQ63S	FXFQ80S	FXFQ100S	FXFQ125S	
1	Decoration panel									BYCQ125B-W1	
2	Sealing material of air discharge outlet									KDBHQ55B140	
3	Panel spacer									KDBP55H160FA	
4	Filter related	High efficiency filter unit 65%					KAFP556B80			KAFP556B160	
		High efficiency filter unit 90%					KAFP557B80			KAFP557B160	
		Replacement high efficiency filter 65%					KAFP552B80			KAFP552B160	
		Replacement high efficiency filter 90%					KAFP553B80			KAFP553B160	
		Filter chamber									KDDFP55B160
		Long life replacement filter									KAFP551K160
		Ultra long-life filter									KAFP55B160
5	Fresh air intake kit	Chamber type	Without T joint-pipe and fan							KDDQ55B140	
			With T joint-pipe without fan							KDDP55B160K	
		Direct installation type									KDDP55X160
6	Branch duct chamber									KDJP55B80	
7	Insulation kit for high humidity									KDTP55K80	

Ceiling Mounted Cassette (Round Flow) Type

No.	Item	Type	FXFQ25LU	FXFQ32LU	FXFQ40LU	FXFQ50LU	FXFQ63LU	FXFQ80LU	FXFQ100LU	FXFQ125LU	
1	Decoration panel									BYCP125K-W1	
2	Sealing material of air discharge outlet									KDBH55K160F	
3	Panel spacer									KDBP55H160FA	
4	Filter related	High efficiency filter unit 65%								KAFP556B80	
		High efficiency filter unit 90%								KAFP557B80	
		Replacement high efficiency filter 65%									KAFP552B80
		Replacement high efficiency filter 90%									KAFP553B80
		Filter chamber									KDDFP55B160
		Long life replacement filter									KAFP551K160
		Ultra long-life filter									KAFP55B160
5	Fresh air intake kit	Chamber type	Without T joint-pipe and fan							KDDP55B160	
			With T joint-pipe without fan							KDDP55B160K	
		Direct installation type									KDDP55X160
6	Branch duct chamber									KDJP55B80	
7	Chamber connection kit									KKSJ55KA160	
8	Insulation kit for high humidity									KDTP55K80	

Ceiling Mounted Cassette (Compact Multi Flow) Type

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

4-way Flow Ceiling Suspended Type

No.	Item	Type	FXUQ71A	FXUQ100A
1	Sealing material of air discharge outlet			
2	Decoration panel for air discharge			
3	Replacement long-life filter			

Ceiling Mounted Cassette (Double Flow) Type

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

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

Ceiling Mounted Cassette Corner Type

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

Slim Ceiling Mounted Duct Type (700 mm width type)

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

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

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

Ceiling Mounted Duct Type

No.	Item		Type	FXMQ20P	FXMQ40P	FXMQ50P	FXMQ100P	FXMQ200MA
				FXMQ25P		FXMQ63P	FXMQ125P	FXMQ250MA
				FXMQ32P		FXMQ80P	FXMQ140P	
1	Drain pump kit							KDU30L250VE
2	High efficiency filter	65%		KAF372AA36	KAF372AA56	KAF372AA80	KAF372AA160	KAFJ372L280
		90%		KAF373AA36	KAF373AA56	KAF373AA80	KAF373AA160	KAFJ373L280
3	Filter chamber			KDDF37AA36	KDDF37AA56	KDDF37AA80	KDDF37AA160	KDJ3705L280
4	Long life replacement filter			KAF371AA36	KAF371AA56	KAF371AA80	KAF371AA160	KAFJ371L280
5	Long life filter chamber kit			KAF375AA36	KAF375AA56	KAF375AA80	KAF375AA160	
6	Service panel	White		KTBJ25K36W	KTBJ25K56W	KTBJ25K80W	KTBJ25K160W	
		Fresh white		KTBJ25K36F	KTBJ25K56F	KTBJ25K80F	KTBJ25K160F	
		Brown		KTBJ25K36T	KTBJ25K56T	KTBJ25K80T	KTBJ25K160T	
7	Air discharge adaptor			KDAJ25K36A	KDAJ25K56A	KDAJ25K71A	KDAJ25K140A	

Ceiling Suspended Type

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

OPTION LIST

VRV INDOOR UNITS

Wall Mounted Type

No.	Item	Type	FXAQ20P	FXAQ25P	FXAQ32P	FXAQ40P	FXAQ50P	FXAQ63P
1	Drain pump kit		K-KDU572EVE					

Floor Standing Type

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

Concealed Floor Standing Type

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

Floor Standing Duct Type

No.	Item	Type	FXVQ125M	FXVQ200M	FXVQ250M	FXVQ400M	FXVQ500M	
1	Replacement long life filter		KAFJ261L140	KAFJ261L224	KAFJ261L280	KAFJ261M450	KAFJ261M560	
2	Ultra long-life filter		-			KAFSJ9A400	KAFSJ9A560	
3	Filter chamber for high efficiency filter *1	65%	KDDF-92A140	KDDF-92A200	KDDF-92A280	KDDF-92A400	KDDF-92A560	
4		90%	KDDF-93A140	KDDF-93A200	KDDF-93A280	KDDF-93A400	KDDF-93A560	
5	Front suction filter chamber for High efficiency filter	Front suction base flange	KD-9A140	KD-9A200	KD-9A280	KD-9A400	KD-9A560	
6		Suction grille	KDGF-9A140	KDGF-9A200	KDGF-9A280	KDGF-9A400	KDGF-9A560	
7	Replacement filter *2	Long-life filter *3	KAF-91A140	KAF-91A200	KAF-91A280	KAF-91A400	KAF-91A560	
8		High efficiency filter	65%	KAF-92A140	KAF-92A200	KAF-92A280	KAF-92A400	KAF-92A560
9		90%	KAF-93A140	KAF-93A200	KAF-93A280	KAF-93A400	KAF-93A560	
10	Plenum chamber *4		KPCJ140A	KPC5J	KPC8J	KPCJ400A	KPC15JA	
11	Pulley for plenum chamber *4		KPP8JA	KPP9JA	KPP10JA	-		
12	Fresh air intake kit		KD106D10			KDFJ906A560		
13	Rear suction kit		KDFJ905A140	KDFJ905A200	KDFJ905A280	KDFJ905A400	KDFJ905A560	
14	Discharge grille for plenum side		KD101A10				KD101A20	
15	Wood base		KKWJ9A140	KWF1G5P	KWF1G8P	KKWJ9A400	KWF1G15	
16	Vibration isolating frame		K-ABSG1406A	K-ABSG1407A	K-ABSG1408A	K-ABSG1409A	K-ABSG1410A	

*1 A front suction base flange and suction grille are required (option).

*3 Different from the filter attached as standard.

*2 A filter chamber for high efficiency is required (option).

*4 Use the plenum chamber and pulley for plenum chamber in combination.

OUTDOOR UNITS

Normal (Space Saving) Type

Optional Accessories		RX(Y)Q6TRY6(E) RX(Y)Q8TRY6(E) RX(Y)Q10TRY6(E)	RX(Y)Q12TRY6(E)	RX(Y)Q14TRY6(E) RX(Y)Q16TRY6(E)	
Distributive piping	REFNET header	KHRP26M22H, (Max. 4 branch) KHRP26M33H (Max. 8 branch)	KHRP26M22H, KHRP26M33H, KHRP26M72H (Max. 4 branch) (Max. 8 branch) (Max. 8 branch)		
	REFNET joint	KHRP26A22T KHRP26A33T	KHRP26A22T, KHRP26A33T, KHRP26A72T		
Cool / Heat selector		KRC19-26A (Applies to RXYQ only)			
Optional Accessories		RX(Y)Q18TRY6(E) RX(Y)Q20TRY6(E)			
Disinbutive piping	REFNET header	KHRP26M22H, KHRP26M33H, KHRP26M72H (Max. 4 branch) (Max.8 branch) (Max.8 branch)			
	REFNET joint	KHRP26A22T, KHRP26A33T, KHRP26A72T			
Cool / Heat selector		KRC19-26A (Applies to RXYQ only)			
Optional Accessories		RX(Y)Q22TRY6(E)	RX(Y)Q24TRY6(E)	RX(Y)Q26TRY6(E) RX(Y)Q28TRY6(E) RX(Y)Q30TRY6(E) RX(Y)Q32TRY6(E)	RX(Y)Q34TRY6(E) RX(Y)Q36TRY6(E) RX(Y)Q38TRY6(E) RX(Y)Q40TRY6(E)
Disinbutive piping	REFNET header	KHRP26M22H (Max. 4 branch), KHRP26M33H (Max.8 branch), KHRP26M72H (Max.8 branch),	KHRP26M22H, KHRP26M33H, KHRP26M72H, KHRP26M73H (Max.4 branch) (Max.8 branch) (Max.8 branch) (Max.8 branch)		
	REFNET joint	KHRP26A22T, KHRP26M33T, KHRP26M72T,	KHRP26A22T, KHRP26A33T, KHRP26A72T, KHRP26A73T		
Pipe size reducer		—	KHRP26M73TP, KHRP26M73HP		
Outdoor unit connection piping kit		BHFP22P100			
Cool / Heat selector		KRC19-26A (Applies to RXYQ only)			
Optional Accessories		RX(Y)Q42TRY6(E) RX(Y)Q44TRY6(E)		RX(Y)Q46TRY6(E) RX(Y)Q48TRY6(E) RX(Y)Q50TRY6(E) RX(Y)Q52TRY6(E) RX(Y)Q54TRY6(E) RX(Y)Q56TRY6(E) RX(Y)Q58TRY6(E) RX(Y)Q60TRY6(E)	
Disinbutive piping	REFNET header	KHRP26M22H, KHRP26M33H, KHRP26M72H, KHRP26M73H (Max.4 branch) (Max.8 branch) (Max.8 branch) (Max.8 branch)			
	REFNET joint	KHRP26A22T, KHRP26A33T, KHRP26A72T, KHRP26A73T			
Pipe size reducer		KHRP26M73TP, KHRP26M73HP			
Outdoor unit connection piping kit		BHFP22P151			
Cool / Heat selector		KRC19-26A (Applies to RXYQ only)			

CONTROL SYSTEMS

INDIVIDUAL CONTROL SYSTEMS FOR VRV INDOOR UNITS

Navigation remote controller (Wired remote controller) (Option)

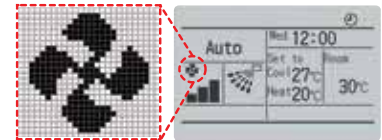
New



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

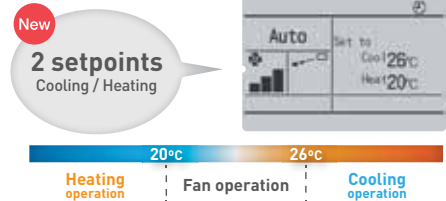
- **Large buttons and arrow keys**
 - Large buttons and arrow keys enable easy operation. Basic setting such as fan speed and temperature can be intuitively operated. For other settings just select the function from the menu list.
- **Guide on display**
 - The display gives an explanation of each setting 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 New

- 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.



• Off timer

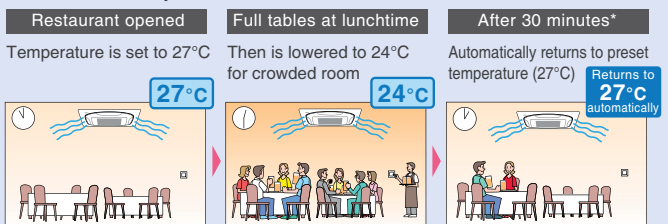
- Turns off the airconditioner after a preset period of time.
- Period can be preset from 30 to 180 minutes in 10-minute increments.

• Setpoint auto reset New

- 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



*Setting possible for after 30, 60, 90, and 120 minutes.

Convenience

•Setback (default:OFF) New

Maintains the room temperature in a specific range during an 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

- Five 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.
- Three independent schedules can be set. (e.g. summer, winter, mid-sea New)



College classroom sample (a summer Monday case)

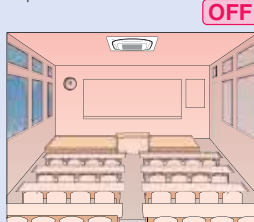
1) 8:30 ON

The first period starts and the air conditioner starts the cooling operation.



2) 10:00 OFF

In the second period, the classroom is unoccupied and the air conditioner stops.



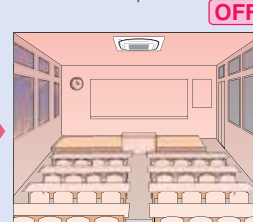
3) 13:00 ON

When the third period starts, operation starts again.



4) 15:00 OFF

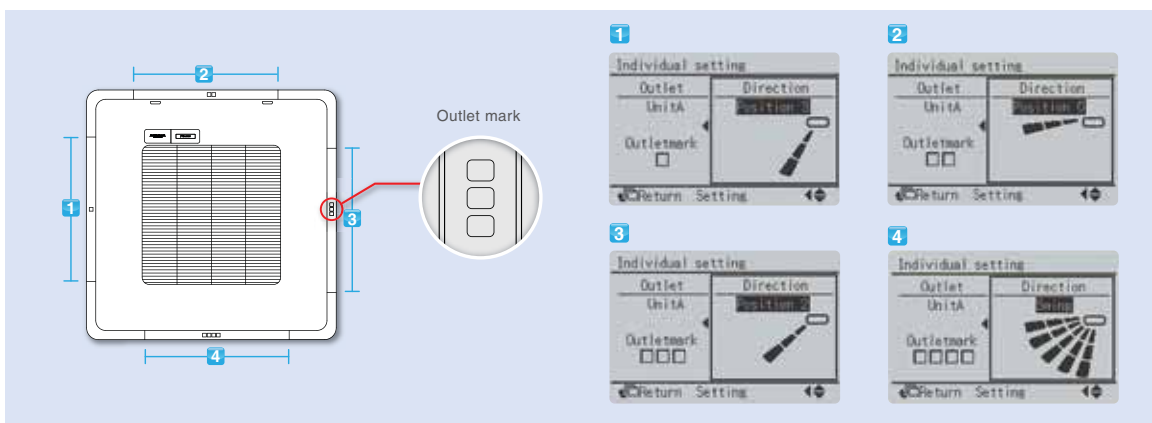
After the third period, the classroom becomes vacant again and the air conditioner stops.



Comfort

•Individual airflow direction (*1) New

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 (*2) New

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
 *2 Only available for VRV 4-Way Flow Ceiling Suspended type FXUQ-A series

CONTROL SYSTEMS

INDIVIDUAL CONTROL SYSTEMS FOR VRV INDOOR UNITS

Wired remote controller (Option)



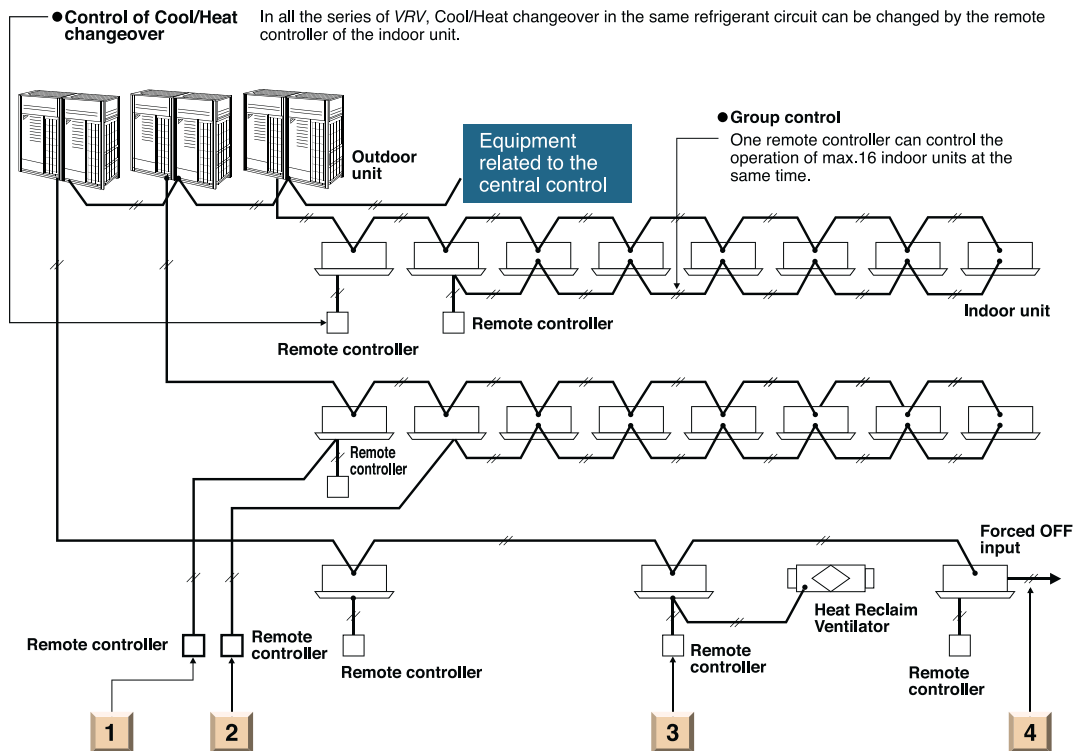
BRC1C62

- Displays current airflow, swing, temperature, operating mode and timer settings.

- * Easier to read because LCD screen is larger.
- Digital display lets you set temperature in 1°C units.
- Lets you individually programme by timer the respective times for operation start and stop within a maximum of 72 hours.
- Equipped with a thermostat sensor in the remote controller that makes possible more comfortable room temperature control.
- Enables you to select cool/heat/fan operation mode with the indoor remote controller of your choice without using the cool/heat selector.
- Constantly monitors malfunctions in the system for a min. of 40 items, and is equipped with a "self-diagnosis function" that lets you know by message immediately when a malfunction occurs.

- Lets you carry out various field settings by remote controller.
- Enables you to select the ventilation mode and the volume of the HRV.
- The rubber switch and the oil-resisting resin casing have been adopted for durability.
- When the auto-swing function is not available, the message, THIS FUNCTION IS NOT AVAILABLE is displayed when the wind direction adjustment button is pressed.

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

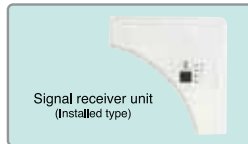
Signal receiver unit (Separate type)

* Wireless remote controller and signal receiver unit are sold as a set.
* Refer to page 64 for the name of each model.

- 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.

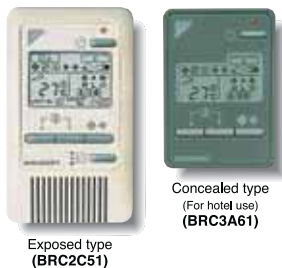


Signal receiver unit can be installed on the panel
ex. Ceiling Mounted Cassette (Round Flow) type



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

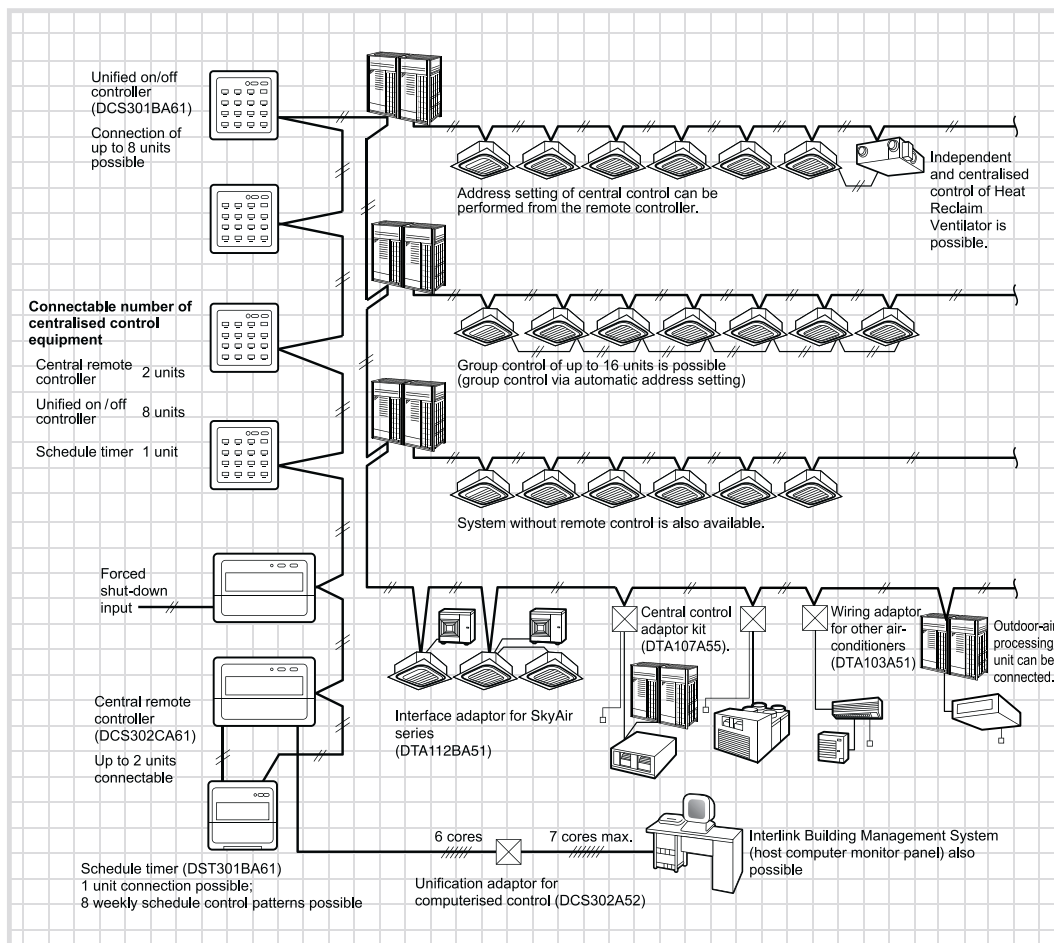
	FXFQ-LU FXFQ-S	FXZQ	FXCQ	FXUQ	FXKQ	FXDQ	FXMQ	FXHQ	FXAQ	FXL(N)Q	FXVQ
Navigation remote controller (Wired remote controller) (BRC1E62)	●	●	●	●	●	●	●	●	●	●	●
Wired remote controller (BRC1C62)	●	●	●	●	●	●	●	●	●	●	●
Wireless remote controller* (Installed type signal receiver unit)	●	●	●	●				●	●		
Wireless 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 64 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 airconditioning 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.



• Certain indoor units limit the functions of some control systems.

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

CONTROL SYSTEMS

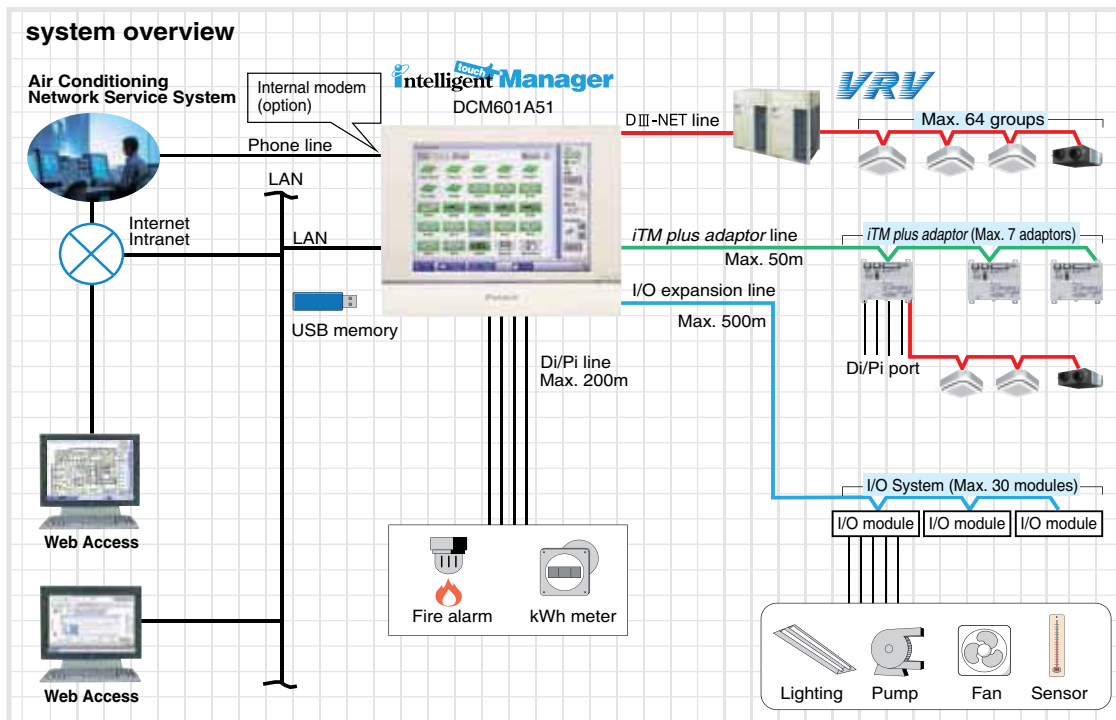
ADVANCED CONTROL SYSTEMS FOR VRV INDOOR UNITS



One touch selection to total air comfort

We, at Daikin, proudly introduce our *intelligent Touch Manager*, a VRV system controller featuring an array of simple, useful system management functions for added value.

Up to 512 groups can be controlled by one *intelligent Touch Manager*



FEATURES

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 airconditioning units.



Remote access

- Remote access with a PC allows total airconditioning management using the same type of screens as those displayed in the *intelligent Touch Manager*.
- Authorised users can centrally control individual airconditioning 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 operations.



Troubleshooting

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

Scalability

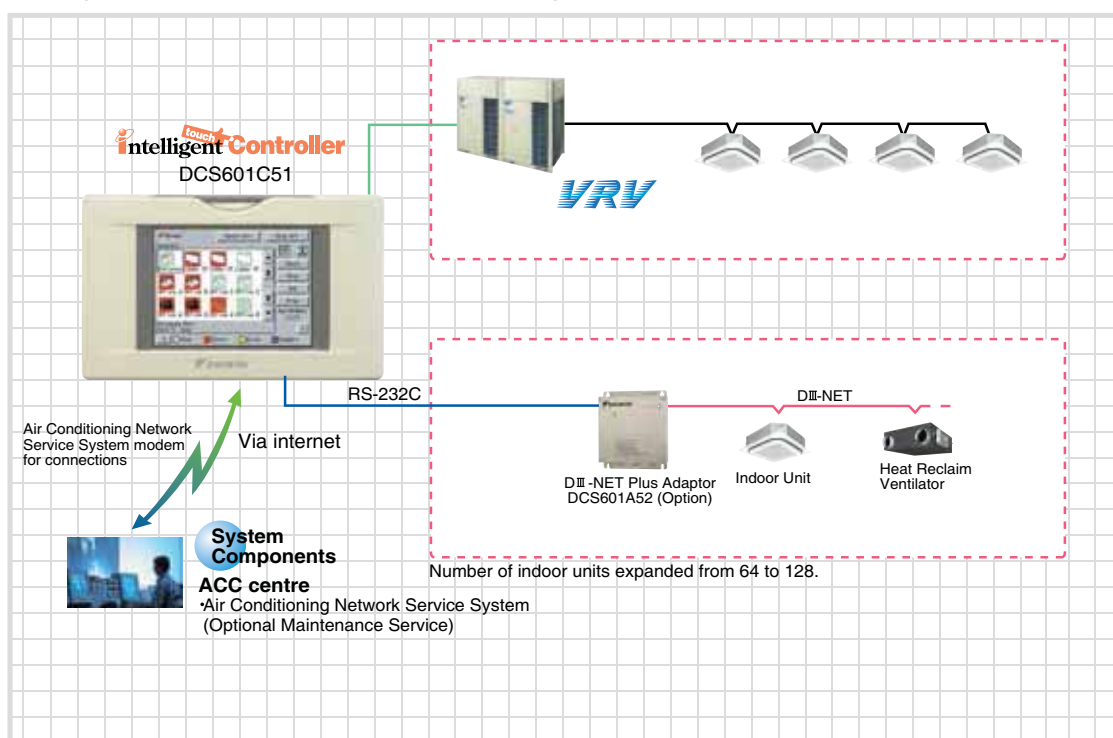
- A single *intelligent Touch Manager* can manage a small building or be expanded to handle medium- to large-sized buildings.

CONTROL SYSTEMS

ADVANCED CONTROL SYSTEMS FOR VRV INDOOR UNITS

Intelligent Controller

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



60

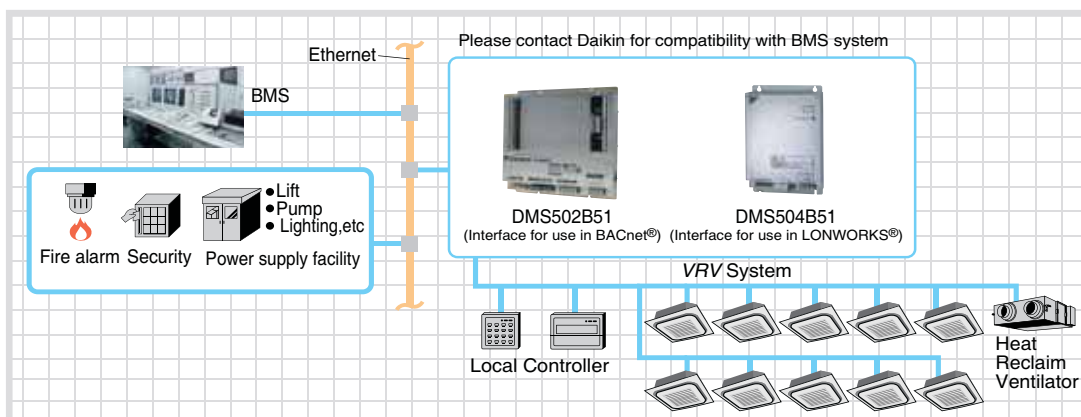
FEATURES

- 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
- 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)



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®

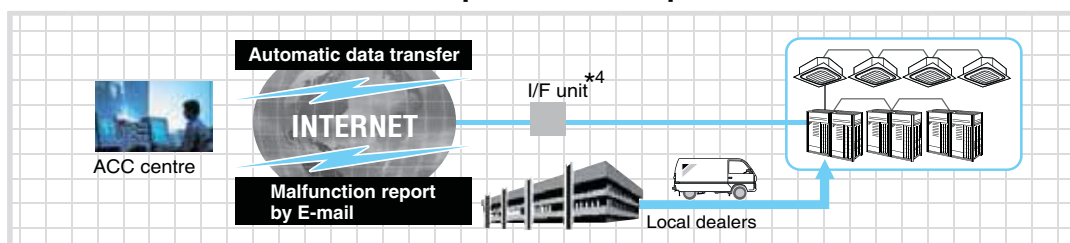
- Support for Heat Reclaim Ventilator VAM series
- Selectable temperature unit
- BTL Certification
- PPD data (Optional Di board is required.)
- ISO 16484-5 (Does not support IEEE 802.3 protocol for BACnet®)
- Up to 40 outdoor units and 256 indoor unit groups on one gateway (optional adaptor)

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.

Airconditioning Network Service System

Maintenance services that boost profits and help attain 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

INTEGRATED BUILDING MONITORING SYSTEM

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

Controllers for Centralised Control

Intelligent Manager



(DCM601A51)

Via internet



ACC Centre

Via internet

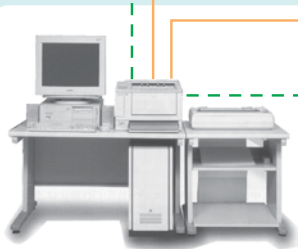
Airconditioning Network Service System
(There are restrictions in applicable areas and release times, therefore please consult us separately for details.)
(Optional Maintenance Service)



Home Automation Master Controller

BMS

(Obtain locally)



Intelligent Controller
(DCS601C51)



Central Remote Controller
(DCS302CA61)



Unified ON/OFF Controller
(DCS301BA61)

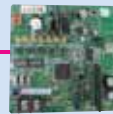


Schedule Timer
(DST301BA61)

Control /Connection Interface



Unification adaptor for computerised control
(DCS302A52)



Home Automation Interface Adaptor
(DTA116A51)



Interface for use in BACnet®
(DMS502B51)



Interface for use in LONWORKS®
(DMS504B51)



Wiring adaptor for electrical appendices
(KRP2A61/62/53)

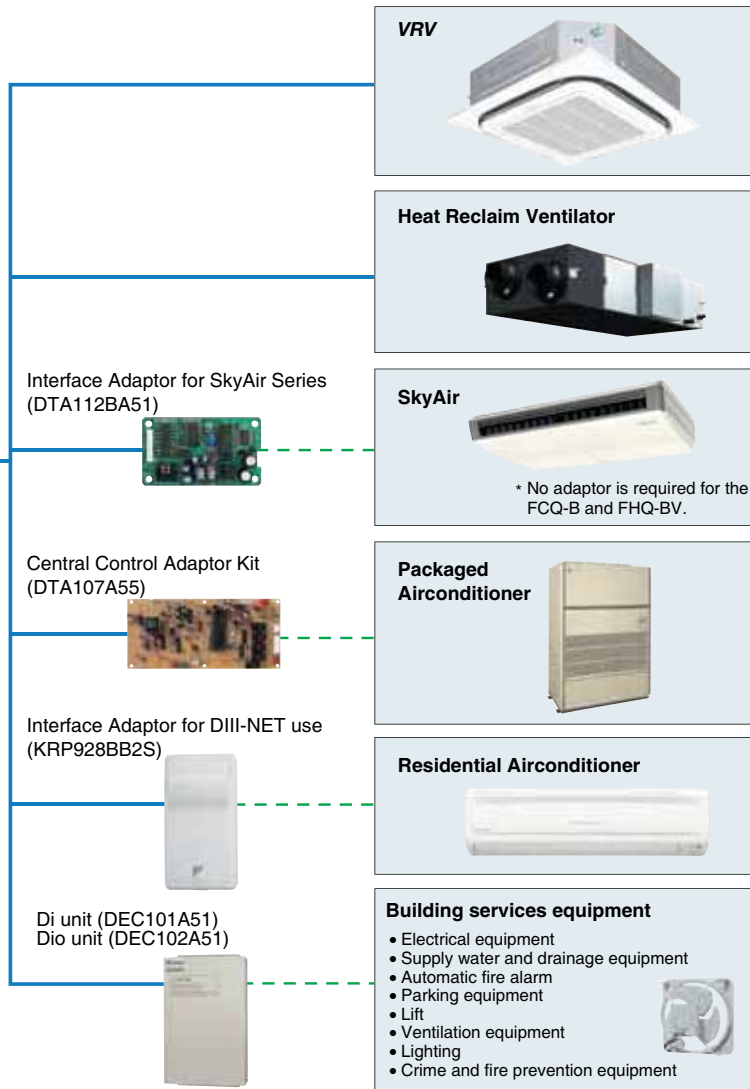
- DIII-NET Line
- BACnet®/Ethernet or LONWORKS® Network Communication Line
- - - Contact Signal Line
- RS485 Modbus Line

The DIII-NET system provides for:

- Close control and monitoring by integrating a wide variety of airconditioners 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 all under integral control.

DIII-NET
(High Speed Multiple Transmission)

DIII-NET, Our unique high speed multiple transmission system, links airconditioners and various other building equipment in accordance with applications, scale and conditions and transmits vast amounts of information between them.



- Building services equipment**
- Electrical equipment
 - Supply water and drainage equipment
 - Automatic fire alarm
 - Parking equipment
 - Lift
 - Ventilation equipment
 - Lighting
 - Crime and fire prevention equipment
-



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

OPTION LIST

Operation Control System Optional Accessories

For VRV indoor unit use

No.	Item		Type		FXFQ-S	FXFQ-LU	FXZQ-M	FXUQ-A	FXCQ-M	FXKQ-MA	FXDQ-PB FXDQ-NB
			C/O	H/P							
1	Remote controller	Wireless	C/O		BRC7F635F	BRC7E531W	BRC7CB59	BRC7C67	BRC4C63	BRC4C66	
		Wireless	H/P		BRC7F634F	BRC7E530W	BRC7CB58	BRC4C62	BRC4C61	BRC4C65	
		Wired			BRC1C62						
2	Navigation remote controller (Wired remote controller)				BRC1E62 Note 7						
3	Simplified remote controller (Exposed type)				—						
4	Remote controller for hotel use (Concealed type)				—						
5	Adaptor for wiring				★KRP1C63	★KRP1BA57	—	★KRP1B61	KRP1B61	★KRP1B56	
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			KRCS01-1B	
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		FXMQ-P	FXMQ-MVE	FXHQ-MA	FXAQ-P	FXLQ-MA FXNQ-MA	FXVQ-M
			C/O	H/P						
1	Remote controller	Wireless	C/O		BRC4C66	BRC4C64	BRC7EA66	BRC7EA619	BRC4C64	—
		Wireless	H/P		BRC4C65	BRC4C62	BRC7EA63W	BRC7EA618	BRC4C62	—
		Wired			BRC1C62					
2	Navigation remote controller (Wired remote controller)				BRC1E62 Note 7					
3	Wired remote controller with weekly schedule timer				BRC1D61					
4	Simplified remote controller (Exposed type)				BRC2C51	BRC2C51	—	—	BRC2C51	—
5	Remote controller for hotel use (Concealed type)				BRC3A61	BRC3A61	—	—	BRC3A61	—
6	Adaptor for wiring				★KRP1C64	KRP1B61	KRP1BA54	—	KRP1B61	KRP1C67
7-1	Wiring adaptor for electrical appendices (1)				★KRP2A61	KRP2A61	★KRP2A61	★KRP2A61	KRP2A61	—
7-2	Wiring adaptor for electrical appendices (2)				★KRP4AA51	KRP4AA51	★KRP4AA52	★KRP4AA52	KRP4AA51	KRP2A62
8	Remote sensor (for indoor temperature)				KRCS01-4B		KRCS01-1B			
9	Installation box for adaptor PCB ☆				Note 1 KRP4A96	—	Note 3 KRP1CA93	Note 1 KRP4AA93	—	—
10	External control adaptor for outdoor unit				★DTA104A61	DTA104A61	★DTA104A62	★DTA104A61	DTA104A61	DTA104A62
11	Adaptor for multi tenant				★DTA114A61		—	—	★DTA114A61	—
12	External control adaptor for cooling/heating				—	—	—	—	—	KRP6A1
13	Remote controller with key				—	—	—	—	—	KRCB37-1

- 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.
 8. Since the control panel is equipped as standard, use the option for 2 remote control system.
 9. When using BRC1E62, be sure to remove the control panel and since BRC1E62 cannot be stored inside the indoor unit, please place it separately.

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	
3	Unified ON/OFF controller		DCS301BA61	• Up to 16 groups of indoor units(128 units) can be turned, ON/OFF individually or simultaneously, and operation and malfunction can be displayed. Can be used in combination with up to 8 controllers.
3-1	Electrical box with earth terminal (2 blocks)		KJB212AA	
3-2	Noise filter (for electromagnetic interface use only)		KEK26-1A	
4	Schedule timer		DST301BA61	• Programmed time weekly schedule can be controlled by unified control for up to 64 groups of indoor units (128 units). Can turn units ON/OFF twice per day.
5	5-room centralised controller for residential indoor units	For CDXS, FDK(X)S, FTK(X)S	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 CDXS, FDK(X)S, FTK(X)S	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	For FCQ-B, FFQ-B, FHQ-BV, FBQ-B	★DTA112BA51	
8	Central control adaptor kit	For UAT(Y)-K(A), FD-K	★DTA107A55	
9	Wiring adaptor for other air-conditioner		★DTA103A51	* To use any of the above optional controllers, an appropriate adaptor must be installed on the product unit to be controlled.
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

Note: 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.

Building Management System

No.	Item			Model No.	Function				
1	intelligent Touch Controller	Basic	Hardware	intelligent Touch Controller	DCS601C51	• Airconditioning 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	intelligent Touch Manager	Basic	Hardware	intelligent Touch Manager	DCM601A51	• Airconditioning 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						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									iTM energy navigator
2-4									
2-5	Di unit			DEC101A51	• 8 pairs based on a pair of ON/OFF input and abnormality input.				
2-6	Dio unit			DEC102A51	• 4 pairs based on a pair of ON/OFF input and abnormality input.				
3	Communication interface	*1 Interface for use in BACnet®			DMS502B51	• Interface unit to allow communications between VRV and BMS. Operation and monitoring of airconditioning 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 airconditioning systems through LonWorks® communication.			
5		Home Automation Interface Adaptor			DTA116A51	• Use of the Modbus protocol enables the connection of the VRV system with a variety of home automation 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.

AIR TREATMENT EQUIPMENT LINEUP

Our air treatment systems create a higher air quality environment



*Refers to bringing outdoor air to near indoor temperature and delivering to a room.

66

A recent trend rapidly gaining popularity is the need for air treatment along with air conditioning. Our Outdoor-Air Processing Unit can combine fresh air treatment and air conditioning, supplied from a single system. It adjusts the temperature of air from outdoors using a fixed discharge temperature control. Along with Outdoor-Air Processing Units, we also offer Heat Reclaim Ventilator systems. The Heat Reclaim Ventilator VAM-GJ series units in particular have been praised for their compactness, energy conservation and extensive operation range of outdoor temperatures. This 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. The Heat Reclaim Ventilator VKM-GAM series units, equipped with a DX-coil and a humidifier, provide further advanced features, such as temperature adjustment to suit conditions indoors and to prevent cold air from blowing on people directly during heating operation. The series also realises significant energy savings by exercising heat recovery.

★ 1 For models: VAM150/250/350/650/800/1000/2000GJVE

★ 2 For models: VAM150/350/500GJVE

		Outdoor-Air Processing Unit	Heat Reclaim Ventilator			
			VKM-GAM Type	VKM-GA Type	VAM-GJ Type	
Connections with VRV IV	Refrigerant Piping	Connectable	Connectable		Not connectable	
	Wiring	Connectable	Connectable		Connectable	
	After-cool & After-heat Control	Available	Available		Not available	
Heat Exchange Element		—	Energy savings obtained		Energy savings obtained	
Humidifier		—	Fitted	—	—	
High Efficiency Filter		Option	Option		Option	
Ventilation System		Air supply only	Air supply & air exhaust		Air supply & air exhaust	
Power Supply		220-240 V, 50 Hz	220-240 V, 50 Hz		220-240 V/220 V, 50 Hz	
Airflow Rate					150 m ³ /h	
					250 m ³ /h	
					350 m ³ /h	
				500 m ³ /h		500 m ³ /h
				800 m ³ /h		650 m ³ /h
				1000 m ³ /h		800 m ³ /h
		1080 m ³ /h				1000 m ³ /h
		1680 m ³ /h				1500 m ³ /h
2100 m ³ /h				2000 m ³ /h		

*Refers to bringing outdoor air to near indoor temperature and delivering to a room.

AIR TREATMENT EQUIPMENT LINEUP

OUTDOOR-AIR PROCESSING UNIT *For outdoor units of 8 HP and above*

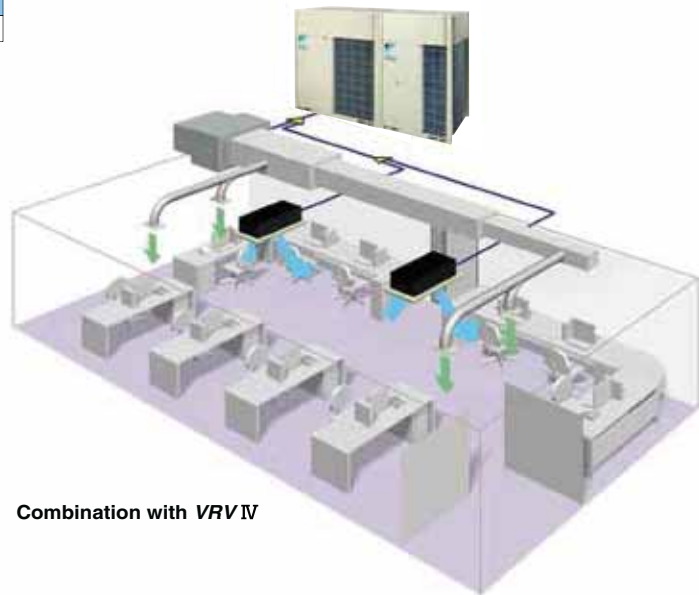
Combination of fresh air treatment and airconditioning, supplied from a single system.

Lineup

Model Name	FXMQ125MFV1	FXMQ200MFV1	FXMQ250MFV1
Capacity Index	125	200	250

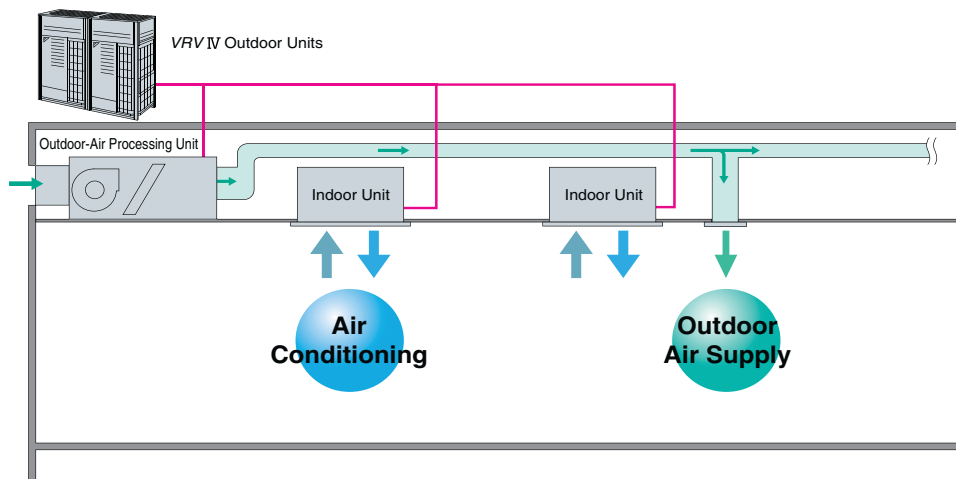


Fresh air treatment and airconditioning can be achieved with a single system by using the heat pump technology - without the usual troublesome air supply and air discharge balance design. Fan coil units for airconditioning and an outdoor-air processing unit can be connected to the same refrigerant line. The results are enhanced design flexibility and a significant reduction in total system costs.



Combination with VRV IV

Airconditioning and outdoor air processing can be accomplished using a single system.



Connection Conditions

The following restrictions must be observed in order to maintain the indoor units connected to the same system.

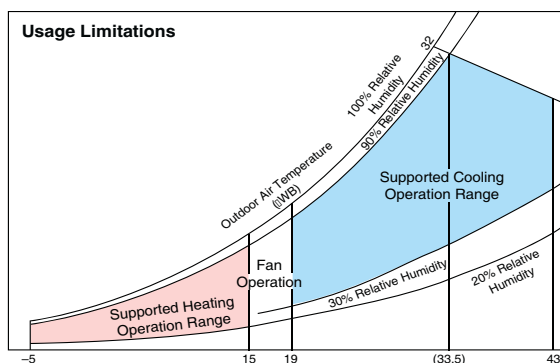
- When outdoor-air processing units are connected, the total connection capacity index must be 50% to 100% of the capacity index of the outdoor units.
- When outdoor-air processing units and standard indoor units are connected, the total connection capacity index of the outdoor-air processing units must not exceed 30% of the capacity index of the outdoor units.
- Outdoor-air processing units can be used without indoor units.

- The unit introduces outdoor air and adjusts the outdoor air temperature via fixed discharge temperature control, thereby reducing the air conditioning load.
- * The system can operate with outdoor-air temperatures ranging from -5 to 43°C. Heating performance is somewhat adversely affected when the outdoor-air temperature is 0°C or below.
- * When shipped from the factory, the thermostat is set at 18°C for cooling and 25°C for heating. The set temperature can be varied within the range of 13–25°C during cooling operations, and 18–30°C during heating operations, in the local setting mode using the wired remote controller. The temperature, however, is not displayed on the remote controller.
- * While in machine protection mode and depending on outdoor air conditions, discharge air temperature may not be at the set temperature.
- * The fan stops when operating in defrosting, oil returning and hot start operations. The fan also may stop due to mechanical protection control.
- Ceiling mounted duct units with three differing capacities are available. These can be connected to VRV series outdoor units to meet a variety of different requirements.

Airflow rate

FXMQ125MFV1	1,080 m ³ /h
FXMQ200MFV1	1,680 m ³ /h
FXMQ250MFV1	2,100 m ³ /h

- Optional equipment includes long-life filters.
- Compatible with outdoor temperatures from -5°C to 43°C.



Notes:

1. The data shown in the graph illustrates the supported operation ranges under the following conditions:
Indoor and Outdoor Unit
Effective piping length: 7.5 m
Height differential: 0 m
2. The discharge temperature can be set using the remote controller. However, the actual temperature may not match the temperature setting under some circumstances due to the outdoor-air processing load or mechanical protection controls.
3. The system will not operate in fan mode when the outdoor air temperature is 5°C or below.

- High-performance filters with dust collection efficiencies (JIS calorimetry) of 90% and 65% are also available as options.

- As with the VRV IV system, a variety of control systems can be deployed, including remote control from distances of up to 500 m.



BRC1E62
Navigation remote controller
(Wired remote controller)
(option)

- * Group control is not possible between this unit and standard type indoor units. Connect remote controllers to each unit.

- The “self-diagnosis function” indicates the occurrence and nature of abnormalities in the system by displaying codes on the remote controller.

- A central control system compatible with the VRV IV system can be installed.



DCS302CA61
Central remote controller
(option)

- * It is not possible to change the discharge air temperature settings from the central control system.
- * Do not associate this equipment into zones with standard indoor units, as central control will not be possible.

- As with the VRV IV system, the equipment employs the “super wiring system” so that the wiring linking indoor and outdoor units can also be utilised for central control.

Notes:

- * Linked control of the product and the Heat Reclaim Ventilator is not supported.
- * This equipment is intended for the treatment of outdoor air only. It is not to be used for maintaining indoor air temperature. Install and use with standard indoor units. Be sure to position the air discharge openings of the product in positions where the airflow will not blow on people directly. When outdoor-air processing is in excess, the unit switches to thermo-off mode, and outdoor air flows into the room directly.
- * For outdoor ducts, be sure to provide heat insulation to prevent condensation.
- * Group control of the product and the standard indoor units is not supported. A separate remote controller should be connected to each individual unit.
- * The system will not operate in fan mode when the outdoor air temperature is 5°C or below.
- * If the product is allowed to operate 24 hours a day, maintenance (part replacement, etc.) must be performed periodically.
- * Temperature setting and Power Proportional Distribution (PPD) are not possible even if the intelligent Touch Controller or the intelligent Touch Manager is installed.
- * The remote controller wired to the outdoor-air processing unit must not be set as the master remote controller. Otherwise, when set to “Auto,” the operation mode will switch according to the outdoor air conditions, regardless of the indoor temperature.

AIR TREATMENT EQUIPMENT LINEUP

OUTDOOR-AIR PROCESSING UNIT

STANDARD SPECIFICATIONS

Indoor unit

Type		Ceiling Mounted Duct Type		
Model		FXMQ125MFV1	FXMQ200MFV1	FXMQ250MFV1
Power supply		1-phase 220-240 V (also required for indoor units), 50 Hz		
Cooling capacity *1	kcal/h	12,000	19,300	24,100
	Btu/h	47,800	76,400	95,500
	kW	14.0	22.4	28.0
Heating capacity *1	kcal/h	7,700	12,000	15,000
	Btu/h	30,400	47,400	59,400
	kW	8.9	13.9	17.4
Power consumption	kW	0.359	0.548	0.638
Casing		Galvanised steel plate		
Dimensions (HXWXD)		470X744X1,100		470X1,380X1,100
Fan	Motor output	kW		
	Airflow rate	m ³ /min		
		cfm		
External static pressure	220 V/240 V	Pa		
Air filter		*2		
Refrigerant piping	Liquid	mm		
	Gas	mm		
	Drain	mm		
Machine weight	kg	86	123	
Sound level *3	220 V/240 V	dB(A)		47/48
Connectable outdoor units *4 *5		8 HP and above		10 HP and above
Operation range (Fan mode operation between 15 and 19°C)	Cooling	19 to 43°C		
	Heating	-5 to 15°C		
Range of the discharge temperature *6	Cooling	13 to 25°C		
	Heating	18 to 30°C		

Notes: *1. Specifications are based on the following conditions;
 • Cooling: Outdoor temp. of 33°CDB, 28°CWB (68% RH), and discharge temp. of 18°CDB.
 • Equivalent reference piping length: 7.5 m (0 m horizontal)
 *2. An intake filter is not supplied, so be sure to install the optional long-life filter or high-efficiency filter. Please mount it in the duct system of the suction side. Select a dust collection efficiency (gravity method) of 50% or more.
 *3. Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre. These values are normally somewhat higher during actual operation as a result of ambient conditions.

*4. It is possible to connect to the outdoor unit if the total capacity of the indoor units is 50% to 100% of the capacity index of the outdoor units.
 *5. It is not possible to connect to the 6 HP outdoor unit.
 *6. Local setting mode. Not displayed on the remote controller.
 • This equipment cannot be incorporated into the remote group control of the VRV/V system.

OPTIONS

Indoor unit

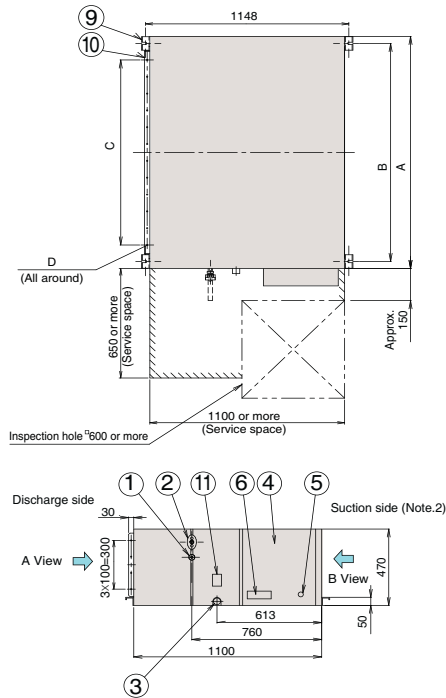
Model		FXMQ125MFV1	FXMQ200MFV1	FXMQ250MFV1
Operation/control	Operation remote controller	BRC1E62/BRC1C62		
	Central remote controller	DCS302CA61		
	Unified ON/OFF controller	DCS301BA61		
	Schedule timer	DST301BA61		
	Wiring adaptor for electrical appendices (1)	KRP2A61		
	Wiring adaptor for electrical appendices (2)	KRP4AA51		
Filters	Long-life replacement filter	KAFJ371L140	KAFJ371L280	
	High-efficiency filter	Colourimetric method 65%	KAFJ372L140	KAFJ372L280
		Colourimetric method 90%	KAFJ373L140	KAFJ373L280
	Filter chamber *1	KDJ3705L140	KDJ3705L280	
Drain pump kit		KDU30L250VE		
Adaptor for wiring		KRP1B61		

Notes: *1. Filter chamber has a suction-type flange. (Main unit does not).
 • Dimensions and weight of the equipment may vary depending on the options used.
 • Some options may not be usable due to the equipment installation conditions, so please confirm prior to ordering.

• Some options may not be used in combination.
 • Operating sound may increase somewhat depending on the options used.

DIMENSIONS

FXMQ125/200/250MFV1



*These diagrams are based on FXMQ200 and FXMQ250MFV1.

Local connection piping size

Model	Gas piping diameter	Liquid piping diameter
FXMQ125MFV1	φ15.9	φ9.5
FXMQ200MFV1	φ19.1 attached piping	φ9.5
FXMQ250MFV1	φ22.2 attached piping	φ9.5

Table of dimensions

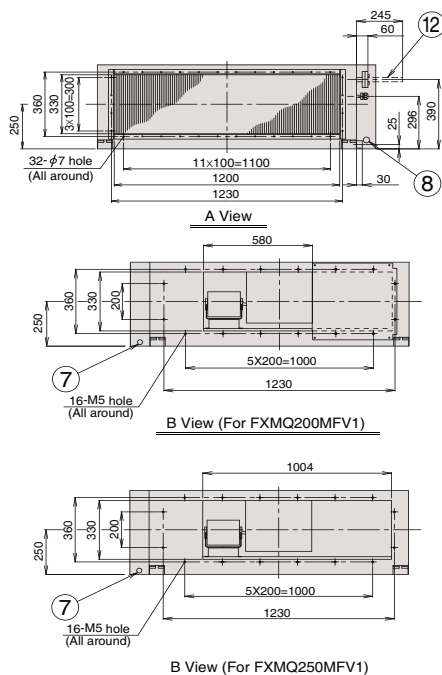
Model	A	B	C	D
FXMQ125MFV1	744	685	5X100=500	20-φ4.7 hole
FXMQ200MFV1	1380	1296	11X100=1100	32-φ4.7 hole
FXMQ250MFV1	1380	1296	11X100=1100	32-φ4.7 hole

Notes:

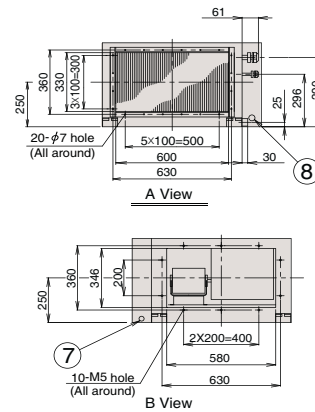
- The attached piping in the diagram is for FXMQ200MFV1 and FXMQ250MFV1 only. The gas piping connection port (② in the diagram) has a different bore form with FXMQ125MFV1.
- An air filter is not supplied with this unit. Be sure to mount an air filter in the suction side. [Use a filter with dust collection efficiency of at least 50% (gravimetric method). This is available as an option.]
- For outdoor ducts, be sure to provide heat insulation to prevent condensation.

- ① Liquid pipe connection
- ② Gas pipe connection
- ③ Drain piping connection
- ④ Electric parts box
- ⑤ Ground terminal
- ⑥ Name plate
- ⑦ Power supply wiring connection
- ⑧ Transmission wiring connection
- ⑨ Hanger bracket
- ⑩ Discharge companion flange
- ⑪ Water supply port
- ⑫ Attached piping (Note. 1)

FXMQ200/250MFV1



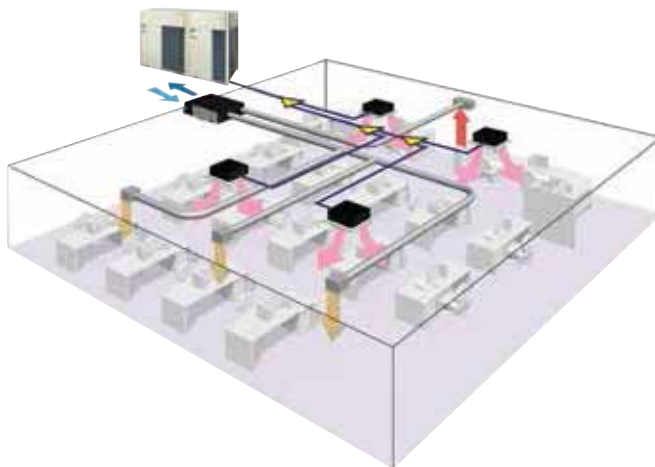
FXMQ125MFV1



AIR TREATMENT EQUIPMENT LINEUP

HEAT RECLAIM VENTILATOR WITH DX-COIL AND HUMIDIFIER — VKM SERIES

The Heat Reclaim Ventilator lineup features the DX-coil in response to recently diversifying outdoor air introduction requirements.



Lineup

With DX Coil & Humidifier Type			
Model Name	VKM50GAMV1	VKM80GAMV1	VKM100GAMV1
Capacity Index	31.25	50	62.5

With DX Coil Type			
Model Name	VKM50GAV1	VKM80GAV1	VKM100GAV1
Capacity Index	31.25	50	62.5



Humidifier

The lineup includes models with a humidifier, in response to diversifying customer requirements. (VKM50/80/100GAMV1 only)

DX-coil

The Heat Reclaim Ventilator features DX-coil that contributes to the prevention of cold airflow hitting people directly during heating operation, due to the after-cool, after-heat operations done beforehand.

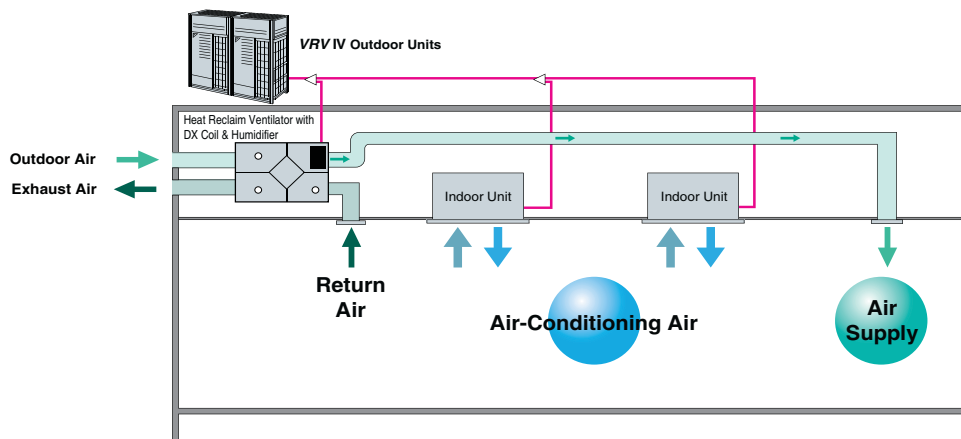
High static pressure

High external static pressure means enhanced design flexibility.

Efficient outdoor air introduction is possible

The Heat Reclaim Ventilator (VKM series) series introduces fresh outdoor air with minimum heat losses, while a wide variety of features respond to customer requirements.

Airconditioning and outdoor air processing can be accomplished using a single system.

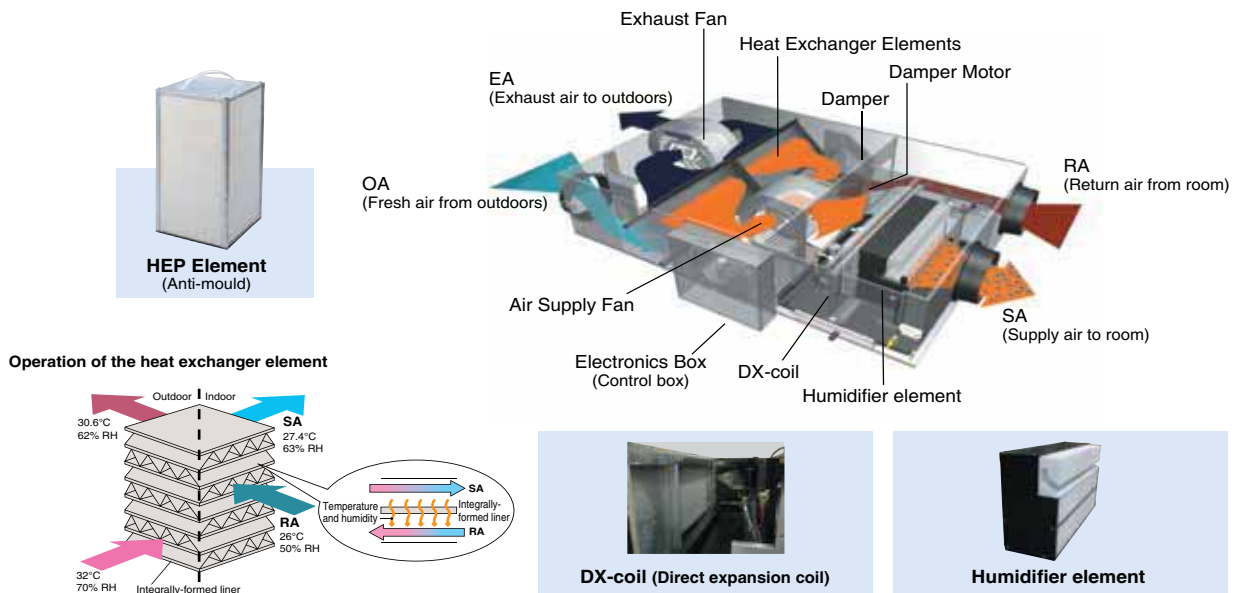


Connection Conditions

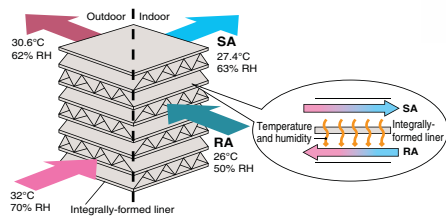
The following restrictions must be observed in order to maintain the indoor units connected to the same system.

- When the Heat Reclaim Ventilator VKM series units are connected, the total connection capacity index must be 50% to 130% of the capacity index of the outdoor units.

A compact unit packed with our cutting-edge technology



Operation of the heat exchanger element

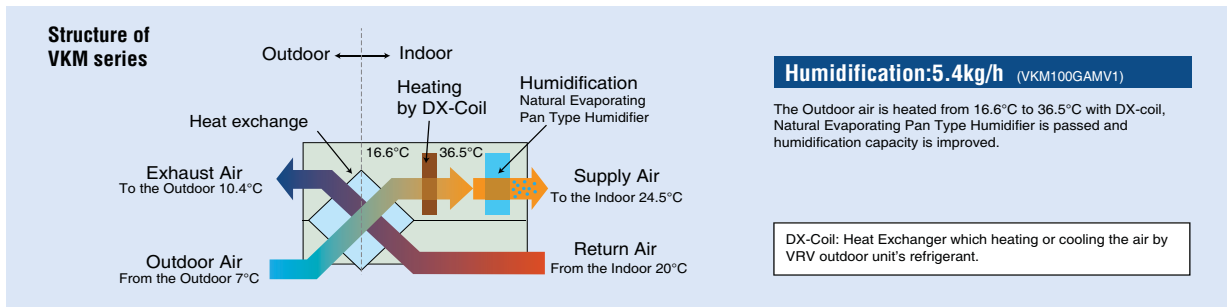


DX-coil (Direct expansion coil)



Humidifier element

Heating and humidification process



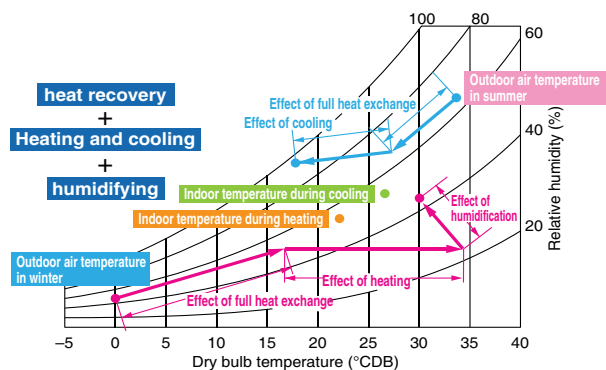
Efficient outdoor air introduction with heat exchanger and cooling/heating operations

Indoor unit with outdoor air treatment

Using outdoor air, the temperature can be brought near room temperature with minimal cooling capacity through the use of outdoor air.

Other features

- Integrated system includes ventilation and humidifying operations.
- Ventilation, cooling/heating and humidifying are possible with one remote controller.



AIR TREATMENT EQUIPMENT LINEUP

HEAT RECLAIM VENTILATOR WITH DX-COIL AND HUMIDIFIER — VKM SERIES

SPECIFICATIONS

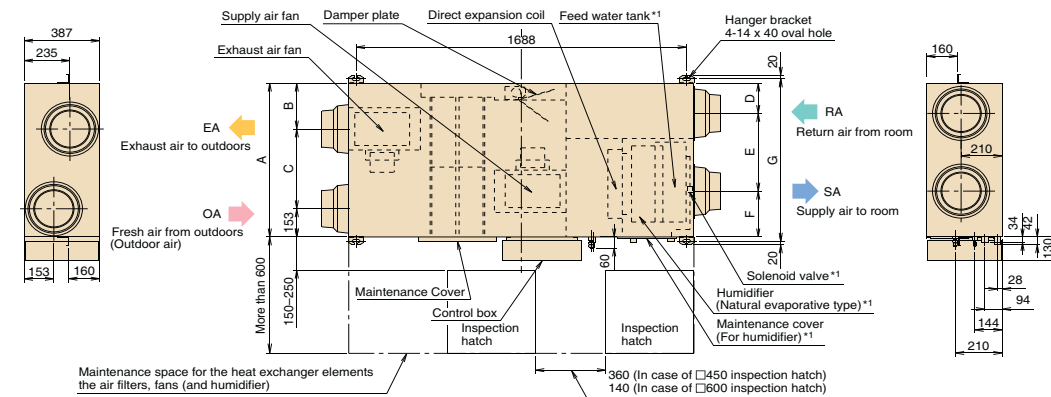
MODEL				VKM50GAMV1 *	VKM80GAMV1 *	VKM100GAMV1*	VKM50GAV1	VKM80GAV1	VKM100GAV1
Refrigerant				R-410A					
Power Supply				1-phase, 220-240 V, 50 Hz					
Airflow Rate & Static Pressure (Note 7)	Ultra-high	Airflow rate	m ³ /h	500	750	950	500	750	950
		Static pressure	Pa	160	140	110	180	170	150
	High	Airflow rate	m ³ /h	500	750	950	500	750	950
		Static pressure	Pa	120	90	70	150	120	100
	Low	Airflow rate	m ³ /h	440	640	820	440	640	820
		Static pressure	Pa	100	70	60	110	80	70
Power Consumption	Heat exchange mode	Ultra-high	W	560	620	670	560	620	670
		High	W	490	560	570	490	560	570
		Low	W	420	470	480	420	470	480
	Bypass mode	Ultra-high	W	560	620	670	560	620	670
		High	W	490	560	570	490	560	570
		Low	W	420	470	480	420	470	480
Fan Type				Sirocco Fan					
Motor Output				kW	0.280 × 2	0.280 × 2	0.280 × 2	0.280 × 2	0.280 × 2
Sound Level (Note 5) (220/230/240 V)	Heat exchange mode	Ultra-high	dB(A)	37/37.5/38	38.5/39/40	39/39.5/40	38/38.5/39	40/41/41.5	40/40.5/41
		High	dB(A)	35/35.5/36	36/37/37.5	37/37.5/38	36/36.5/37	37.5/38/39	38/38.5/39
		Low	dB(A)	32/33/34	33/34/35.5	34/34.5/35.5	33.5/34.5/35.5	34.5/36/37	35/36/36.5
	Bypass mode	Ultra-high	dB(A)	37/37.5/38	38.5/39/40	39/39.5/40	38/38.5/39	40/41/41.5	40/40.5/41
		High	dB(A)	35/35.5/36	36/37/37.5	37/37.5/38	36/36.5/37	37.5/38/39	38/38.5/39
		Low	dB(A)	32/33/34	33/34/35.5	34/34.5/35.5	33.5/34.5/35.5	34.5/36/37	35/36/36.5
Humidification Capacity (Note 4)				kg/h	2.7	4.0	5.4	—	—
Temp. Exchange Efficiency	Ultra-high	%	76	78	74	76	78	74	
	High	%	76	78	74	76	78	74	
	Low	%	77.5	79	76.5	77.5	79	76.5	
Enthalpy Exchange Efficiency (Cooling)	Ultra-high	%	64	66	62	64	66	62	
	High	%	64	66	62	64	66	62	
	Low	%	67	68	66	67	68	66	
Enthalpy Exchange Efficiency (Heating)	Ultra-high	%	67	71	65	67	71	65	
	High	%	67	71	65	67	71	65	
	Low	%	69	73	69	69	73	69	
Casing				Galvan ized Steel Plate					
Insulating Material				Self-Extinguishable Urethane Foam					
Heat Exchanging System				Air to Air Cross Flow Total Heat (Sensible + Latent Heat) Exchange					
Heat Exchanger Element				Specially Processed Nonflammable Paper					
Air Filter				Multidirectional Fibrous Fleeces					
DX-coil Capacity	Cooling (Note 2)	kW	2.8	4.5	5.6	2.8	4.5	5.6	
	Heating (Note 3)	kW	3.2	5.0	6.4	3.2	5.0	6.4	
Dimensions	Height	mm	387	387	387	387	387	387	
	Width	mm	1,764	1,764	1,764	1,764	1,764	1,764	
	Depth	mm	832	1,214	1,214	832	1,214	1,214	
Connection Duct Diameter				mm	φ200	φ250	φ200	φ250	φ250
Machine Weight	Net	kg	102	120	125	96	109	114	
	Gross (Note 8)	kg	107	129	134	—	—	—	
Unit Ambient Condition				Around Unit	0°C-40°C DB, 80%RH or less				
				OA (Note 9)	-15°C-40°C DB, 80%RH or less				
				RA (Note 9)	0°C-40°C DB, 80%RH or less				

- Notes: 1. Cooling and heating capacities are based on the following conditions. Fan is based on High and Ultra-high.
When calculating the capacity as indoor units, use the following figures:
VKM50GAMV1/GV1: 3.5 kW, VKM80GAMV1/GV1: 5.6 kW, VKM100GAMV1/GV1: 7.0 kW
2. Indoor temperature: 27°C DB, 19°C WB, Outdoor temperature: 35°C DB
3. Indoor temperature: 20°C DB, Outdoor temperature: 7°C DB, 6°C WB
4. Humidifying capacity is based on the following conditions:
Indoor temperature: 20°C DB, 15°C WB, Outdoor temperature: 7°C DB, 6°C WB
5. The operating sound measured at the point 1.5 m below the centre of the unit is converted to that measured in an anechoic chamber built in accordance with the JIS C 1502 conditions. The actual operating sound varies depending on the surrounding conditions (near running unit's sound, reflected sound and so on) and is normally higher than this value.
For operation in a quiet room, it is required to take measures to lower the sound.
For details, refer to the Engineering Data.
6. The noise level at the air discharge port is about 8-11 dB(A) or higher than the unit's operating sound.
For operation in a quiet room, it is required to take measures to lower the sound.
7. Airflow rate can be changed over to Low mode or High mode.
8. In case of holding full water in humidifier.
9. OA: fresh air from outdoor. RA: return air from room.
10. Specifications, design and information here are subject to change without notice.
11. Power consumption and efficiency depend on the above value of airflow rate.

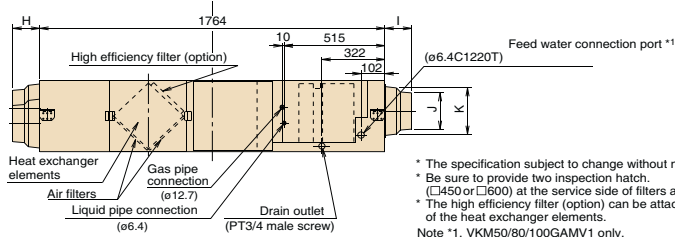
12. Temperature exchange efficiency is the mean value for Cooling and Heating. Efficiency is measured under the following condition: Ratio of rated external static pressure outdoor to indoor is kept constant at 7 to 1.
13. In heating operation, freezing of the outdoor unit's coil increases. Heating capability decreases and the system goes into defrost operation. During defrost operation, the fans of the unit continues driving (factory setting). The purpose of this is to maintain the amount of ventilation and humidifying.
14. When connecting with a VRF system heat recovery outdoor unit and bringing the RA (exhaust gas intake) of this unit directly in from the ceiling, connect to a BS unit identical to the VRV indoor unit (master unit), and use group-linked operation. (See the Engineering Data for details.)
15. When connecting the indoor unit directly to the duct, always use the same system on the indoor unit as with the outdoor unit, perform group-linked operation, and make the direct duct connection settings from the remote controller. (Mode No. "17 (27)" - First code No. "5" - Second code No. "6".) Also, do not connect to the outlet side of the indoor unit. Depending on the fan strength and static pressure, the unit might back up.
- ★ Feed clean water (city water, tap water or equivalent). Dirty water may clog the valve or cause dirt deposits in the water container, resulting in poor humidifier performance. (Never use any cooling tower water and heating-purpose water.)
Also, if the supply water is hard water, use a water softener because of short life.
* Life of humidifying element is about 3 years (4,000 hours) under the supply water conditions of hardness: 150 mg/l. (Life of humidifying element is about 1 year (1,500 hours) under the supply water conditions of hardness: 400 mg/l.)
Annual operating hours: 10 hours/day x 26 days/month x 5 months = 1,300 hours

DIMENSIONS

VKM50/80/100GA(M)V1



	VKM50GA(M)V1	VKM80/100GA(M)V1
A	832	1,214
B	248	439
C	431	622
D	164	183
E	420	592
F	248	439
G	878	1,262
H	137	89
I	137	89
J	∅196	∅246
K	∅250	∅263



* The specification subject to change without notice.
 * Be sure to provide two inspection hatch. (□450 or □600) at the service side of filters and elements.
 * The high efficiency filter (option) can be attached to the SA surface of the heat exchanger elements.
 Note *1. VKM50/80/100GAMV1 only.

OPTIONS

Item	Type	VKM50/80/100GA(M)V1												
Controlling device	Remote controller	BRC1E62/BRC1C62 ^{*1}												
	Centralised controlling device	Residential central remote controller	DCS303A51 ^{*2}											
		Central remote controller	DCS302CA61											
		Unified ON/OFF controller	DCS301BA61											
		Schedule timer	DST301BA61											
	PC Board Adaptor	Wiring adaptor for electrical appendices	KRP2A61											
		For humidifier running ON signal output	KRP50-2											
		For heater control kit	BRP4A50											
	For wiring	Type (indoor unit of VRV)	FXFQ-S FXFQ-LU	FXZQ-M	FXUQ-A	FXCQ-M	FXKQ-MA	FXDQ-PB FXDQ-NB	FXMQ-P	FXMQ-MA	FXHQ-MA	FXAQ-P	FXLQ-MA FXNQ-MA	FXVQ-M
		Installation box for adaptor PCB [☆]	KRP1C63 [*] Notes 2, 3 KRP1H98	KRP1BA57 [*] Note 4, 6 KRP1BA101	KRP1C67	KRP1B61 [*] Notes 2, 3 KRP1B96	KRP1B61	KRP1B56 [*] Notes 4, 6 KRP1BA101	KRP1C64 [*] Notes 2, 3 KRP4A96	KRP1B61	KRP1BA54	Notes 2, 3 KRP1CA93	KRP4AA93	KRP1B61

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. ^{*1} Necessary when operating a Heat Reclaim Ventilator (VKM) independently. When operating interlocked with other air conditioners, use the remote controllers of the air conditioners.
^{*2} For residential use only. When connected with a Heat Reclaim Ventilator (VKM), you can only switch the power ON/OFF. Cannot be used with other centralised control equipment.

Item	Type	VKM50GA(M)V1	VKM80GA(M)V1	VKM100GA(M)V1
Additional function	Silencer	—	—	KDDM24B100 ∅ 250 mm
	Air suction/ Discharge grille	White	K-DGL200B ∅ 200	K-DGL250B ∅ 250
High efficiency filter	Air filter for replacement	KAF242H80M	KAF242H100M	KAF241G100M
	Flexible duct (1 m)	K-FDS201D	K-FDS251D	K-FDS252D
Flexible duct (2 m)	—	K-FDS202D	—	—

AIR TREATMENT EQUIPMENT LINEUP

HEAT RECLAIM VENTILATOR — VAM SERIES

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

Model Names

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

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



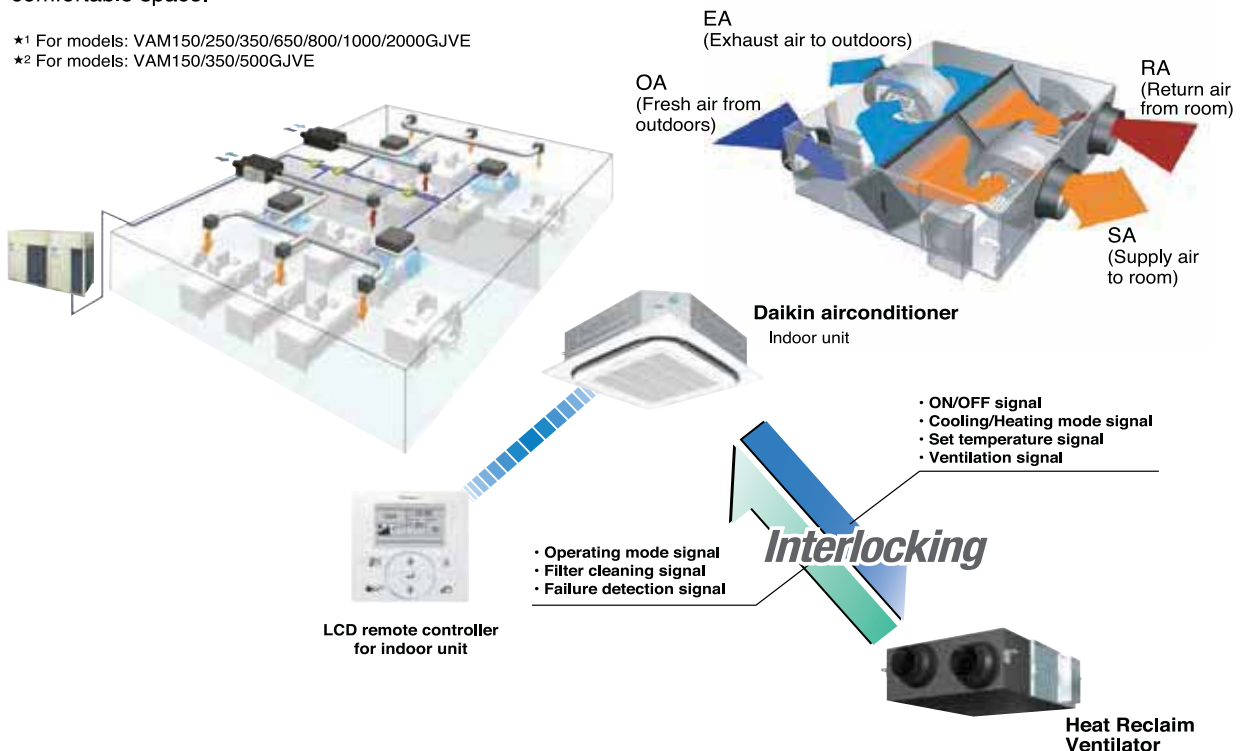
Heat Reclaim Ventilator remote controller*
BRC301B61 (Option)

* 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 night-time 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.



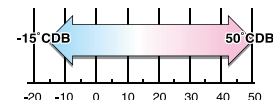
* For VAM500GJVE

Energy Conservation

Airconditioning load reduced by approximately 31%!

Cold Climate Compatible

Standard operation at temperatures down to -15°C.



Airconditioning 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 airconditioning system.

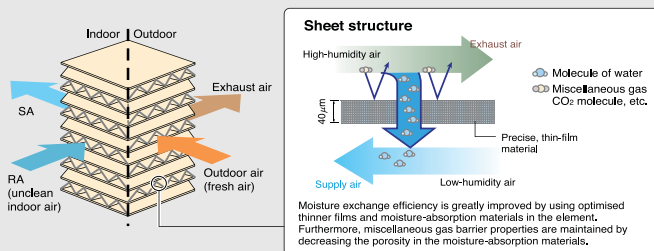
Enthalpy efficiency drastically improved by employing thin film element! (VAM-GJ model)

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



23%

Auto-ventilation Mode Changeover Switching

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

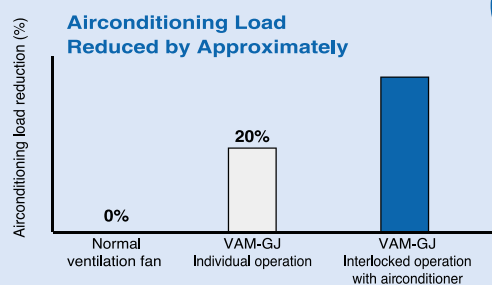
6%

Pre-cool, Pre-heat Control

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

2%

- The airconditioning load reduction values may vary according to weather and other environmental conditions at the location of the machine's installation.
- The airconditioning 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 airconditioning 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.



Night-time free cooling operation*1

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

- Night-time free cooling operation only works to cool and if connected to Building Multi or VRV 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.

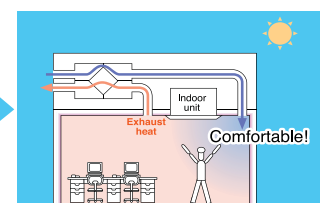
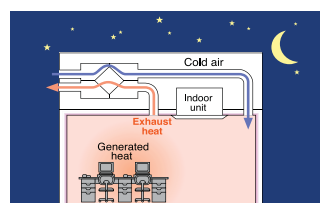
*1 This function can be operated only when interlocked with airconditioners.

*2 Value is based on the following conditions:

- Cooling operation performed from April to October.
- Calculated for airconditioning sensible heat load only (latent heat load not included).

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

The indoor accumulated heat is discharged at night. This reduces the airconditioning load the next day thereby increasing efficiency.



*Interlocked operation with an air conditioner

AIR TREATMENT EQUIPMENT LINEUP

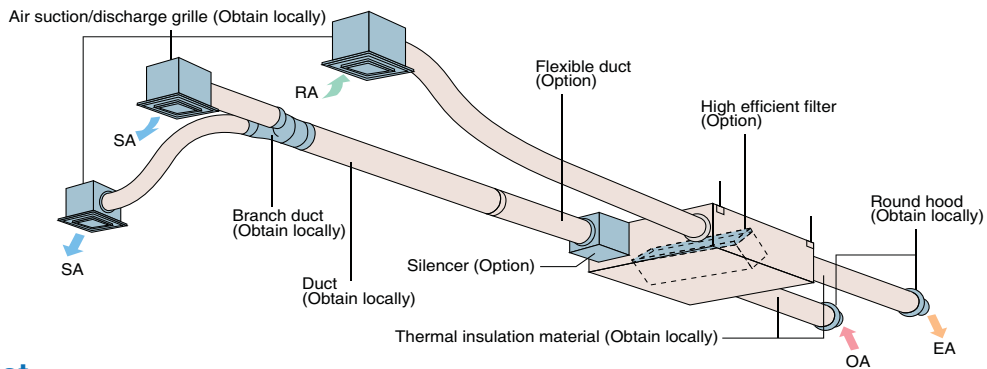
HEAT RECLAIM VENTILATOR - VAM SERIES

SPECIFICATIONS

MODEL		VAM150GJVE	VAM250GJVE	VAM350GJVE	VAM500GJVE	VAM650GJVE	VAM800GJVE	VAM1000GJVE	VAM1500GJVE	VAM2000GJVE	
Power Supply		1-phase, 220-240 V/ 220 V, 50 Hz									
Temp. Exchange Efficiency (50/60 Hz)	Ultra-High	79/79	75/75	79/79	74/74	75/75	72/72	78/78	72/72	77/77	
	High	79/79	75/75	79/79	74/74	75/75	72/72	78/78	72/72	77/77	
	Low	84/85	79/79	82/82	80/80.5	77/77.5	74/74.5	80.5/81	75.5/76	79/81	
Enthalpy Exchange Efficiency (50/60 Hz)	For Heating	Ultra-High	72/72	71/72	70/70	67/67	67.5/67.5	65/65	70/70	65/65	72/72
		High	72/72	71/71	70/70	67/67	67.5/67.5	65/65	70/70	65/65	72/72
		Low	76/76.5	74/74	77/77	74/74.5	71.5/72	67.5/68	72.5/73	67/67.5	76/76
	For Cooling	Ultra-High	66/66	63/63	66/66	55/55	61/61	61/61	64/64	61/61	62/62
		High	66/66	63/63	66/66	55/55	61/61	61/61	64/64	61/61	62/62
		Low	70/70.5	66/66	70/70	59/59.5	64/64.5	64/64.5	68.5/69	64/64.5	66/67
Power Consumption (50/60 Hz)	Heat Exchange Mode	Ultra-High	125/134	137/141	200/226	248/270	342/398	599/680	635/760	1,145/1,300	1,289/1,542
		High	111/117	120/125	182/211	225/217	300/332	517/597	567/648	991/1,144	1,151/1,315
		Low	57/58	60/59	122/120	128/136	196/207	435/483	476/512	835/927	966/1,039
	Bypass Mode	Ultra-High	125/134	137/141	200/226	248/270	342/398	599/680	635/760	1,145/1,300	1,289/1,542
		High	111/117	120/125	182/211	225/217	300/332	517/597	567/648	991/1,144	1,151/1,315
		Low	57/58	60/59	122/120	128/136	196/207	435/483	476/512	835/927	966/1,039
Sound Level (50/60 Hz)	Heat Exchange Mode	Ultra-High	27-28.5/28.5	27-29/29	31.5-33/33	33-35.5/34	34-36/36	39-40.5/39.5	39.5-41.5/39.5	39.5-41.5/41.5	41.5-43.5/42
		High	26-27.5/27.5	26-27.5/28	30-31.5/30	31.5-34/32	33-34.5/34	37-39.5/37.5	37.5-39.5/37.5	37.5-39.5/39.5	39-43/40
		Low	20.5-21.5/21	21-22/21	23-25/23	25-28.5/24	27.5-29.5/28	35-37.5/34	35-37.5/34.5	35-37.5/36	36-39/39
	Bypass Mode	Ultra-High	28.5-29.5/29.5	28.5-30.5/30.5	33-34.5/34.5	34.5-36/35.5	35-37.5/37.5	40.5-42/41	40.5-42.5/40.5	41-43/42.5	43-45.5/44
		High	27.5-28.5/28.5	27.5-29/29.5	31.5-33/31.5	33-34.5/33.5	33-35.5/35.5	38.5-40/39	38.5-40.5/38.5	39.5-41/41.5	40.5-45/42
		Low	22.5-23.5/22	22.5-23/22.5	24.5-26.5/24.5	25.5-28.5/25.5	27.5-30.5/29.5	36-38.5/35.5	36-38.5/35.5	36.5-38/37.5	37.5-39.5/41
Casing		Galvanised steel plate									
Insulation Material		Self-extinguishable polyurethane foam									
Dimensions (HXWXD)	mm	278×810×551		306×879×800		338×973×832	387×1,111×832	387×1,111×1,214	785×1,619×832	785×1,619×1,214	
Machine Weigh	kg	24		32		45	55	67	129	157	
Heat Exchange System		Air to air cross flow total heat (Sensible heat + latent heat) exchange									
Heat Exchange Element Material		Specially processed nonflammable paper									
Air Filter		Multidirectional fibrous fleeces									
Fan	Type	Sirocco fan									
	Airflow Rate (50/60 Hz)	Ultra-High	150/150	250/250	350/350	500/500	650/650	800/800	1,000/1,000	1,500/1,500	2,000/2,000
		High	150/150	250/250	350/350	500/500	650/650	800/800	1,000/1,000	1,500/1,500	2,000/2,000
		Low	100/95	155/155	230/230	320/295	500/470	700/670	860/840	1,320/1,260	1,720/1,580
	External Static Pressure (50/60 Hz)	Ultra-High	120/154	70/96	169/222	105/150	85/125	133/170	168/192	112/150	116/140
		High	106/131	54/65	141/145	66/52	53/67	92/85	110/86	73/72	58/32
Low		56/60	24/20	67/30	32/18	35/38	72/61	85/60	56/50	45/45	
Motor Output	kW	0.030×2		0.090×2		0.140×2	0.280×2		0.280×4		
Connection Duct Diameter	mm	φ 100	φ 150		φ 200		φ 250		φ 350		
Unit ambient condition		-15°C-50°CDB, 80%RH or less									

- Notes:
- Sound level is measured at 1.5m below the centre of the body.
 - Airflow rate can be changed over to Low mode or High mode.
 - Sound level is measured in an anechoic chamber.
 - Sound level generally becomes greater than this value depending on the operating conditions, reflected sound, and peripheral noise.
 - The sound level at the air discharge port is about 8 dB(A) higher than the unit's sound level.
 - The specifications, designs and information given here are subject to change without notice.
 - Temperature Exchange Efficiency is the mean value between cooling and heating.
 - Efficiency is measured under the following conditions:
Ratio of rated external static pressure has been maintained as follows; outdoor side to indoor side = 7 to 1.
 - In conformance with JIS standards (JIS B 8628), operating sound level is based on the value when one unit is operated, with the value converted for an anechoic chamber. This is transmission sound from the main unit, and does not include sound from the discharge grille. Thus it is normal for the sound to be louder than the indicated value when the unit is actually installed.
 - Sound level from the discharge port causes the value to be approximately 8 dB(A) (models with the airflow rate of less than 150 to 500m³/h) to approximately 11 dB(A) (models with the airflow rate of 650m³/h or more) greater than the indicated value. Furthermore, fan rotation and noise from the discharge grille may increase depending on the on-site duct resistance conditions. Please consider noise countermeasures when installing the unit.
 - With large models in particular (1500 and 2000m³/h models), if the supply air (SA) grille is installed near the main unit, the noise of the main unit may be heard from the discharge grille via the duct, and this will result in a marked increase in noise. In such cases, if peripheral effects are included (such as reverberation of the floor and walls, combination with other equipment, and background noise), sound level may be as much as 15 dB(A) higher than the indicated value. When installing a large model, please provide as much separation as possible between the main unit and the discharge grille. If the equipment and discharge grille are near each other, please consider countermeasures such as the following:
 - Use a sound-muffling box, flexible duct and sound-muffling air supply/discharge grilles
 - Decentralised installation of discharge grilles
 - When installing in a location with particularly low background noise such as a classroom, please consider the following measures to avoid transmission sound from the main unit:
 - Use of ceiling materials with high sound insulating properties (high transmission loss)
 - Methods of blocking sound transmission, for example, by adding sound insulating materials around the bottom of the sound source.
 Alternatively, consider supplementary methods such as installing the equipment in a different location (corridor, etc.)

OPTIONS



Option List

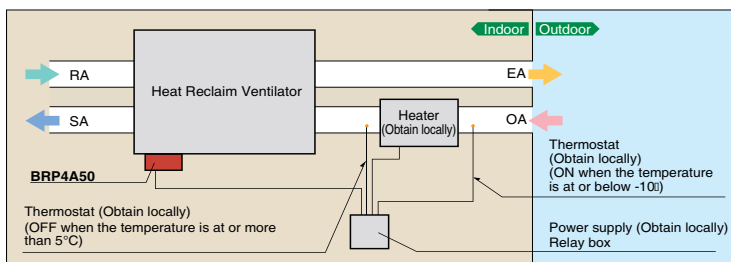
Item	Type	VAM150 · 250 · 350 · 500 · 650 · 800 · 1000 · 1500 · 2000GJVE												
Controlling device	Heat Reclaim Ventilator remote controller	BRC301B61												
	Centralised controlling device	Residential central remote controller	DCS303A51 *1											
		Central remote controller	DCS302CA61											
		Unified ON/OFF controller	DCS301BA61											
		Schedule timer	DST301BA61											
PC Board Adaptor	Wiring adaptor for electrical appendices	KRP2A61												
	For humidifier	KRP50-2												
	Installation box for adaptor PCB	KRP50-2A90 (Mounted electric component assy of Heat Reclaim Ventilator)												
	For heater control kit	BRP4A50												
For wiring	Type (indoor unit of VRV)	FXFQ-S FXFQ-LU	FXZQ-M	FXUQ-A	FXCQ-M	FXKQ-MA	FXDQ-PB FXDQ-NB	FXMQ-P	FXMQ-MA	FXHQ-MA	FXAQ-P	FXLQ-MA FXNQ-MA	FXVQ-M	
		KRP1C63*	KRP1BA57*	KRP1C67	KRP1B61*	KRP1B61	KRP1B56*	KRP1C64*	KRP1B61	KRP1BA54	—	KRP1B61	KRP1C67	
	Installation box for adaptor PCB☆	Notes 2, 3 KRP1H98	Note 4, 6 KRP1BA101	—	Notes 2, 3 KRP1B96	—	Notes 4, 6 KRP1BA101	Notes 2, 3 KRP4A96	—	Note 3 KRP1CA93	Notes 2, 3 KRP4AA93	—	—	

- 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. *1 For residential use only. When connected with a Heat Reclaim Ventilator (VAM), you can only switch the power ON/OFF. Cannot be used with other centralised control equipment.

Item	Type	VAM150GJVE	VAM250GJVE	VAM350GJVE	VAM500GJVE	VAM650GJVE	VAM800GJVE	VAM1000GJVE	VAM1500GJVE	VAM2000GJVE
Additional function	Silencer	—	—	—	KDDM24B50	—	KDDM24B100	—	KDDM24B100X2	—
	Nominal pipe diameter mm	—	—	—	φ 200	—	φ 250	—	φ 250	—
Air filter for replacement	High efficiency filter	KAF242H25M	—	—	KAF242H50M	—	KAF242H80M	KAF242H100M	KAF242H80Mx2	KAF242H100Mx2
	Air filter for replacement	KAF241G25M	—	—	KAF241G50M	—	KAF241G80M	KAF241G100M	KAF241G80Mx2	KAF241G100Mx2
Flexible duct (1 m)		K-FDS101D	K-FDS151D	—	K-FDS201D	—	—	—	K-FDS251D	—
Flexible duct (2 m)		K-FDS102D	K-FDS152D	—	K-FDS202D	—	—	—	K-FDS252D	—
Duct adaptor		—	—	—	—	—	—	—	—	YDFA25A1
	Nominal pipe diameter mm	—	—	—	—	—	—	—	—	φ 250

PC board adaptor for heater control kit (BRP4A50)

When the installation of an electric heater is required in a cold region, this adaptor with an internal timer function eliminates the complicated timer connecting work that was necessary with conventional heaters.



Notes when installing

- Examine fully an installation place and specification for using the electric heater based on the standard and regulation of each country.
- Supply the electric heater and safety production devices such as a relay and a thermostat, etc of which qualities satisfy the standard and regulation of each country at site.
- Use a non-flammable connecting duct to the electric heater. Be sure to allow 2 m or more between the electric heater and the Heat Reclaim Ventilator for safety.
- For the Heat Reclaim Ventilator, use a different power supply from that of the electric heater and install a circuit breaker for each.





- Note**
- Ask an authorised Daikin dealer to install Daikin products. Do not try to install the product yourself or get it installed by any unauthorised dealer. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion. Warranty of the product shall be void if not installed by an authorised Daikin dealer.
 - Use only those parts and accessories supplied or specified by Daikin. Ask authorised Daikin dealer for any repairs or components. Warranty of the product / component shall be void if non specified spares are used or repaired by a non Daikin dealer.
 - Please ensure to install ELCB (Earth Leakage Circuit Breaker) for outdoor units to prevent ground fault effects.
 - Read the User's manual carefully before using the product. The User's Manual provides important safety instructions and warnings. Be sure to follow these instructions and warnings.

For any inquiries, either call the numbers mentioned below or contact your nearer Daikin dealer.

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.



JMI-0107



JQA-1452

About ISO 9001

ISO 9001 is a plant certification system defined by the International Organization for Standardization (ISO) relating to quality assurance. ISO 9001 certification covers quality assurance aspects related to the "design, development, manufacture, installation, and supplementary service" of products manufactured at the plant.



About ISO 14001

ISO 14001 is the standard defined by the International Organization for Standardization (ISO) relating to environmental management systems. Our group has been acknowledged by an internationally accredited compliance organisation as having an appropriate programme of environmental protection procedures and activities to meet the requirements of ISO 14001.

DAIKIN AIRCONDITIONING INDIA PVT. LTD.

12th Floor, Building No. 9, Tower A, DLF Cyber City, DLF Phase III, Gurgaon - 122 002, Haryana, India.
Tel.: 0124-4555444, Fax.: 0124-4555333, e-mail: ho@daikinindia.com

SALES & SERVICE OFFICES

Ahmedabad - Tel.: 079-26583013-14, 36583364
Bengaluru - Tel.: 080-25590452-54
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