



PCVMY1321A

VRV IV

Some model names might differ and some products might not be available depending on the country of sale. For further information, please contact one of our sales companies.

Cooling Only 50Hz

R-410A

Next Generation



*First launched in Japan in 1982, the Daikin **VRV** system has been embraced by world markets for over 30 years. Now, Daikin proudly introduces the next generation **VRV IV**. It now offers an enhanced lineup to meet an ever wider variety of needs while improving energy savings, comfort, and ease of installation.*

VRV IV



Enhanced lineup

3 types up to 60 HP

Ease of installation

Compact & lightweight design

VRV IV System

INDEX

Main Features

P03

Outdoor Unit Lineup

P13

Indoor Unit Lineup

P15

Specifications

P37

Outdoor Unit Combinations

P57

Option List

P59

Control Systems

P65

Air Treatment Equipment Lineup

P79

Air Handling Unit

P93

Energy saving

Higher COP and VRT technology

Comfort

Lower operation sound

system.



Excellent Operation Performance

Enhanced Lineup to 3 types

High-COP Type



20 HP

Enables further energy saving
12 HP-50 HP with 4 new models lineup

VRV III

VRV IV

COP 3.94

COP 4.35

Installation Space 1.66 m² → Installation Space 2.13 m²
Product Weight 490 kg → Product Weight 555 kg

10% Increase

Standard Type



20 HP

Offers higher capacity of up to 60 HP
6 HP-60 HP with 3 new models lineup

VRV III

VRV IV

COP 3.94

COP 3.94

Installation Space 1.66 m² → Installation Space 1.42 m²
Product Weight 490 kg → Product Weight 380 kg

14% Decrease

22% Decrease

Space Saving Type



20 HP

New series with compact & lightweight design
18 HP-50 HP with 17 new models lineup

VRV III

VRV IV

COP 3.94

COP 3.11

Installation Space 1.66 m² → Installation Space 0.95 m²
Product Weight 490 kg → Product Weight 320 kg

43% Decrease

35% Decrease

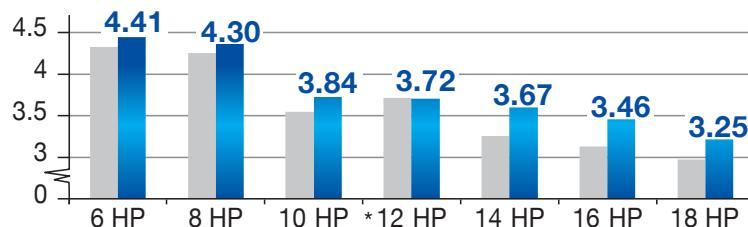
Lineup

● Mo/C ● New 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
High-COP Type				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●						
Standard Type	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Space Saving Type					●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

Energy saving

Higher Coefficient of Performance (COP)



VRV III
VRV IV

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

*12 HP of VRV IV improves more compact design and more saving space than VRV III

Ease of installation

Compact & lightweight design

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



VRV III 12 HP VRV IV 12 HP

Installation Space
0.95 m²

Installation Space
0.71 m²

Product Weight
285 kg

Product Weight
195 kg

25% Decrease
32% Decrease

Comfort

Lower operation sound

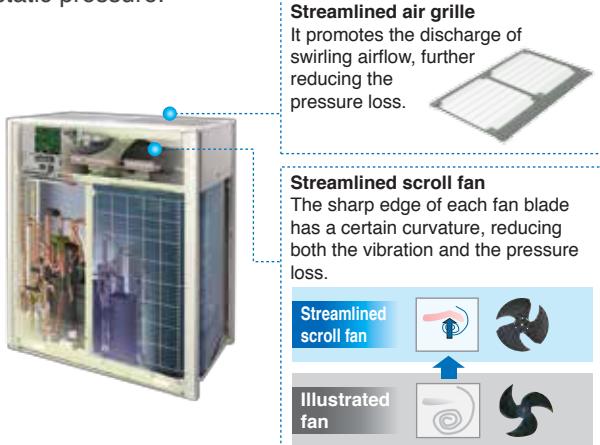
Improve heat exchanger efficiency, helps to reduced operation sound.

	Sound level(dB(A))			
	6 HP	8 HP	10 HP	12 HP
VRV III	57	57	58	60
VRV IV	55	56	57	59

1-2 dB(A) reduction than conventional model

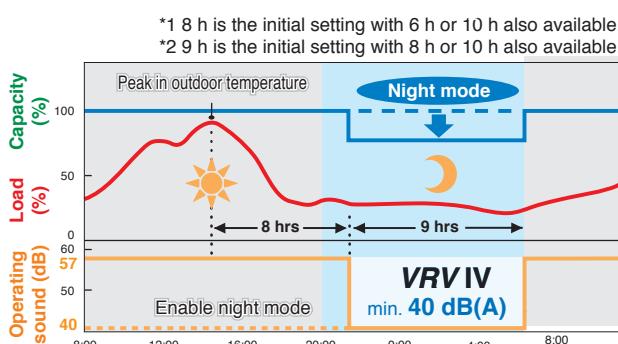
Large airflow, high static pressure and quiet technology

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



Nighttime quiet operation function

Outdoor PCB automatically memorises the time when the peak outdoor temperature appears. It will enable quiet operation mode after 8 h¹, and return to normal mode after it keeps for 9 h².



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

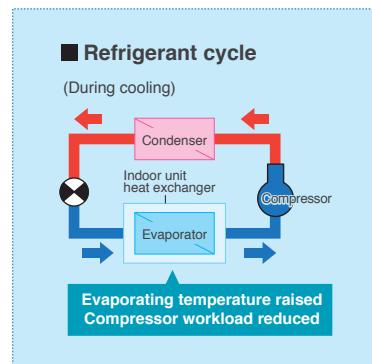
State-of-the-art energy saving technology for VRV

Customise your VRV for optimal annual efficiency

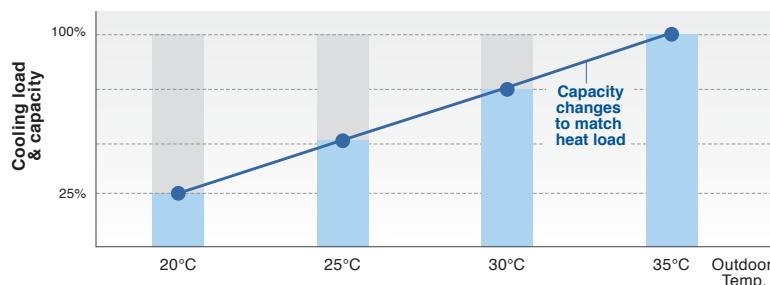
The new **VRV IV** system now features VRT technology. VRT automatically adjusts refrigerant temperature to individual building and climate requirement, thus further improving annual energy efficiency and maintaining comfort. With this excellent technology, running costs are reduced.

How is energy reduced?

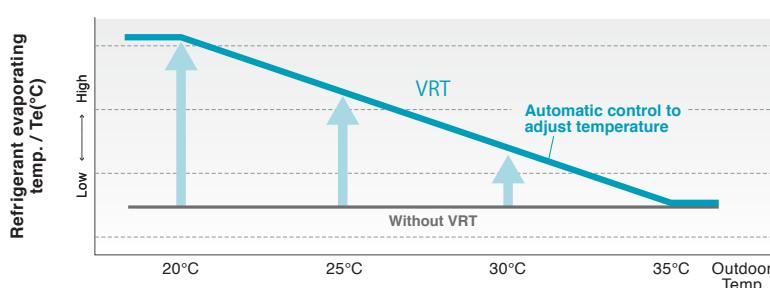
During cooling, the refrigerant evaporating temperature (T_e) is raised to minimise the difference with the condensing temperature. Compressors work less, and this reduces power consumption.



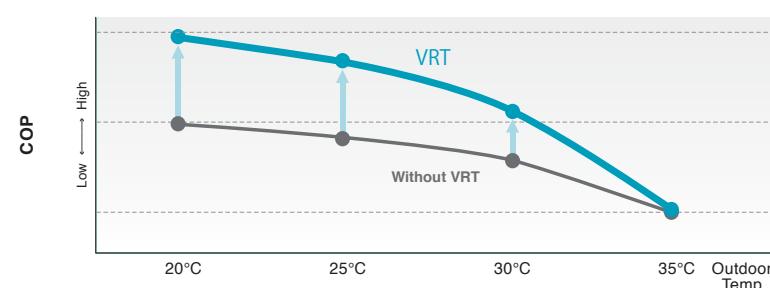
■ Typical changes in evaporating temperature and COP depending on changing indoor load



Required capacity changes as air conditioning load changes according to outdoor temperature.



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

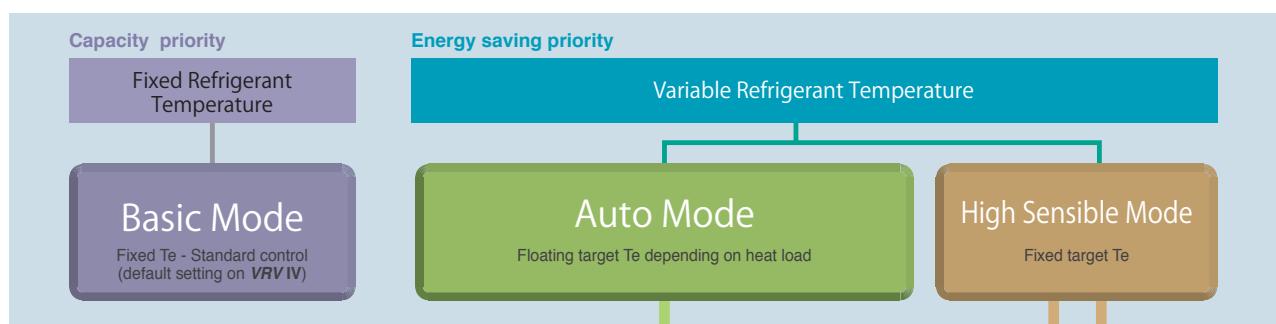


Energy efficiency is improved without sacrificing comfort.

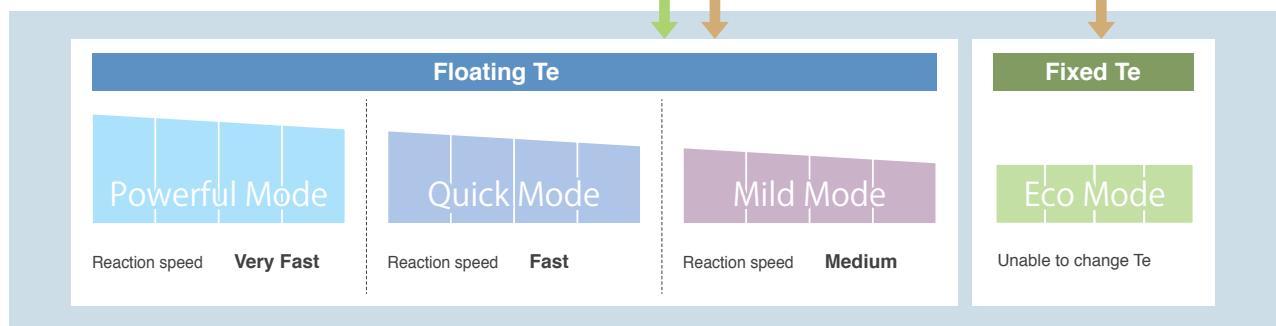
Fine control to match user preference available through mode selection

Basic mode is selected to maintain optimal comfort.

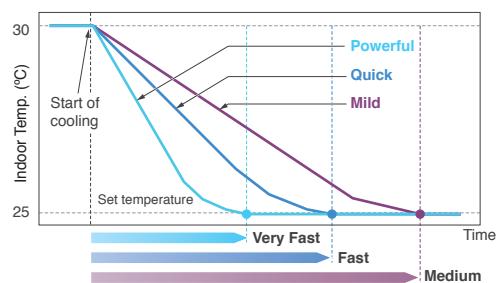
VRT is selected to save energy and prevent excessive cooling.



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



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

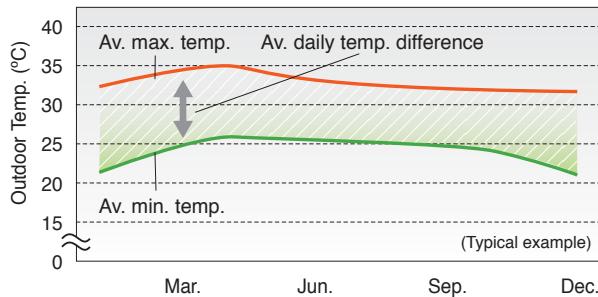


Powerful mode	<ul style="list-style-type: none"> Can boost capacity above 100% if needed. The refrigerant temperature can go lower in cooling than the set minimum. Gives priority to very fast reaction speed. The refrigerant temperature goes down fast to keep the room setpoint stable.
Quick mode	<ul style="list-style-type: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



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 conreition of only VRV indoor units

Max. actual piping length

165 m

Max. equivalent piping length

190 m

Max. total piping length

1000 m

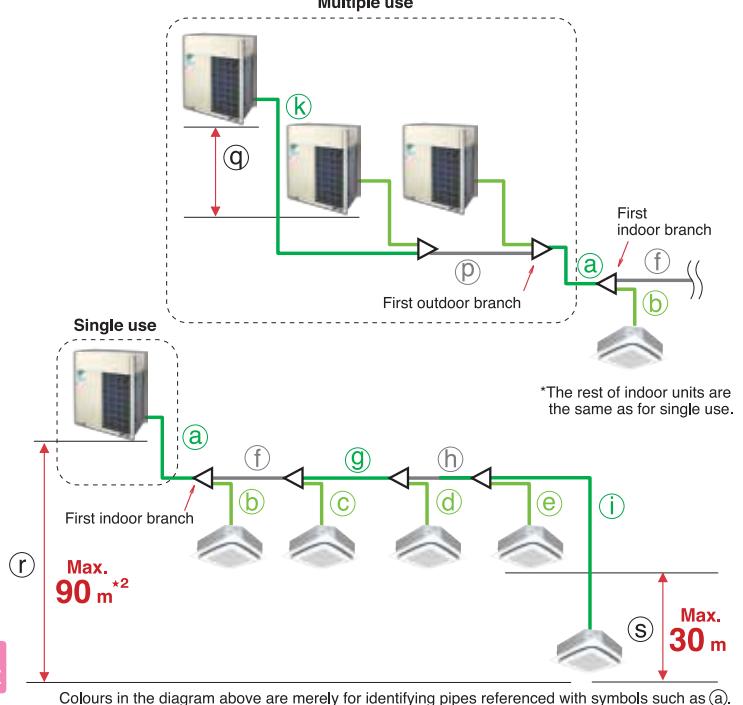
Max. level difference between the outdoor units and the indoor units

90 m^{*2}

Max. level difference between the indoor units

30 m

15 m higher than VRV III



Colours in the diagram above are merely for identifying pipes referenced with symbols such as (a).

	Actual piping length	Example	Equivalent piping length
Maximum allowable piping length	Refrigerant piping length	165 m	a+f+g+h+i
	Total piping length	1000 m	a+b+c+d+e+f+g+h+i
	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

	Level Difference	Example
Maximum allowable level difference	Between the outdoor units (Multiple use)	5 m
	Between the indoor units	30 m
	Between the outdoor units and the indoor units	90 m ^{*2}
	If the outdoor unit is above.	r
		90 m

*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. Be sure to refer to the Engineering Data Book for details of these conditions and requirements.

*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. Refer to the Engineering Data Book and contact your local dealer for more information.

Connection ratio

Connection capacity at maximum is 200%.

Connection ratio
50%–200%

Connection ratio =

Total capacity index of the indoor units
Capacity index of the outdoor units

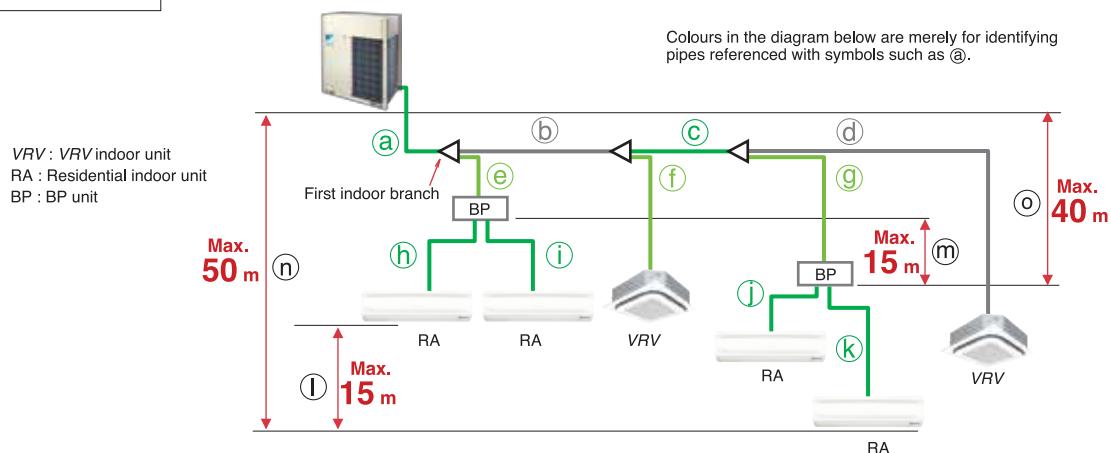
Conditions of indoor unit connection capacity

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

* For the FXFQ25LU, FXFQ-S 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.

For mixed combination of VRV
and residential indoor units



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

		Actual piping length	Example
Maximum allowable piping length	Refrigerant piping length	100 m	a+b+c+g+k, a+b+c+d
	Total piping length	250 m	a+b+c+d+e+f+g+h+i+j+k
	Between BP unit and indoor unit	If indoor unit capacity index < 60. 2 m-15 m If indoor unit capacity index is 60. 2 m-12 m If indoor unit capacity index is 71. 2 m-8 m	h, i, j, k
	Between the first indoor branch and the farthest BP unit or between the first indoor branch and the farthest VRV indoor unit	50 m ¹	b+c+g, b+c+d
Minimum allowable piping length	Between outdoor unit and the first indoor branch	5 m	a

		Level Difference	Example
Maximum allowable level difference	Between the indoor units	15 m	l
	Between BP units	15 m	m
	Between the outdoor unit and the indoor unit	If the outdoor unit is above. 50 m If the outdoor unit is below. 40 m	n n
	Between the outdoor unit and the BP unit	40 m	o

*1. When the piping length exceeds 20 m, the size of the main pipes (the gas side and the liquid side) must be increased. Please refer to Engineering Data Book for details.

High external static pressure

VRV IV outdoor unit has been 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 check whether the stop valve in each outdoor unit is in normal status to ensure the smooth operation of air conditioning system.



Automatic check

Wiring
check

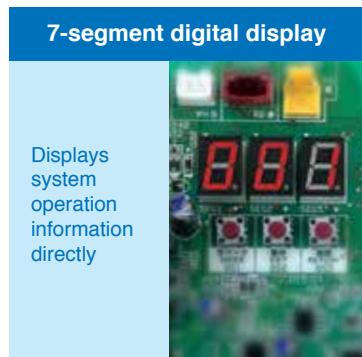
Piping
check

Stop valve
check

Simplified commissioning and after-sales service

Function of information display by luminous digital tube

VRV IV system utilises 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, 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.

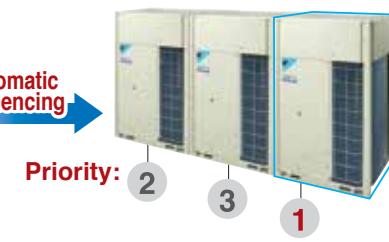
Stage 1



Stage 2



Stage 3



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 air conditioning 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 RXQ14-20TY1 models).



Advanced Technologies Achieve

Large capacity all DC inverter compressor in compact casing

Large capacity all DC 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 compare to conventional material

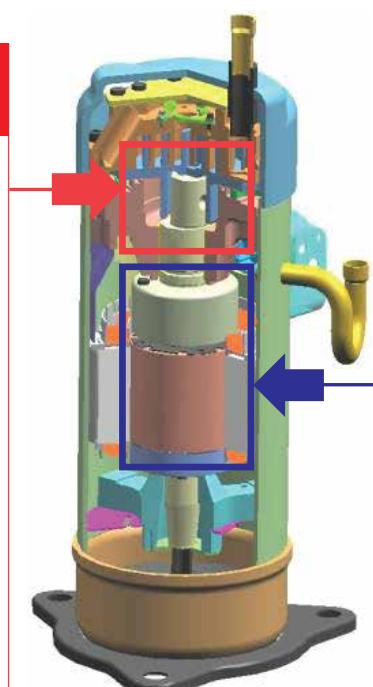
New Material: 600 MPa

Conventional Material : 250 MPa

Increase compression chamber volume by using thin spiral design.

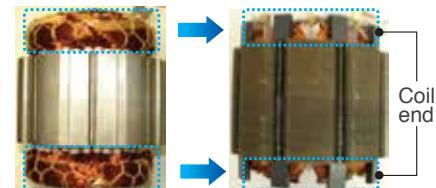


As a result of having thinned a wall - thickness of the scroll, compression chamber volume increase 50%



Small type high efficiency concentrated winding motor

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



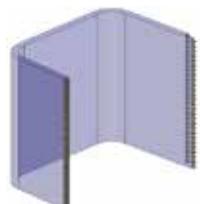
Small sizing coil end using concentrated winding, reduce copper loss (winding resistance).

Improve motor efficiency in low rpm range (improve intermediate efficiency).

Highly integrated heat exchanger

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

VRV III



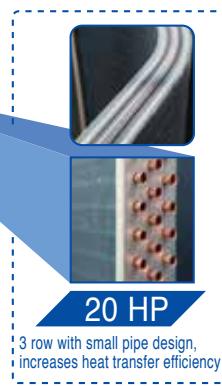
Fine Louvre Fin

VRV IV



Waffle Fin

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



3 row with small pipe design, increases 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 increased heat exchanger area.

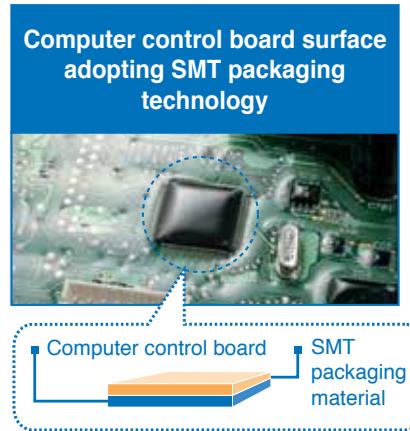


	Heat exchanger area	Contribution of COP (cooling)
10 HP	13%UP	105.5%
16 HP	24%UP	111.5%

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 the adverse effect of sandy and humid weather.

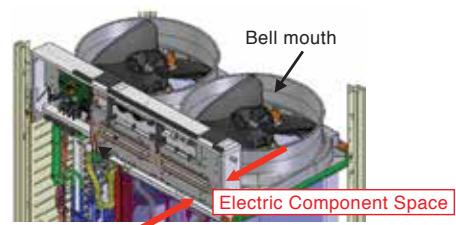


*SMT: Surface mounted technology

Refrigerant cooling technology, ensures stability of PCB temperature

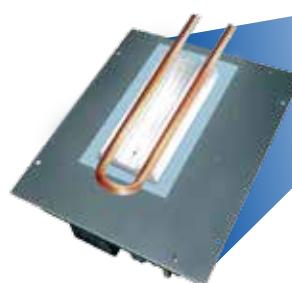
Improved inner design to increase smooth airflow

Downsize electric component, re-locate to dead space of bell mouth side to decrease airflow resistance.



VRV III

VRV IV



Roof terrace temperature in summer is over 40 °C, seriously affecting inverter cooling efficiency, resulting in decline of inverter operating speed. Finally device parts response speed is reduced.

Control board failure ratio at stable operation is reduced.

Improve reliability at high ambient temperature

It is possible to cool the inverter power module stability even at high ambient temperature. This helps to keep air-conditioning capacity and also reduces failure ratio.

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 building.
- 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.

High-COP Type

• Double Outdoor Units

12, 14, 16 HP



RXQ12THY1
RXQ14THY1
RXQ16THY1

• Triple Outdoor Units

18, 20, 22, 24, 26, 28, 30, 32 HP



RXQ18THY1
RXQ20THY1
RXQ22THY1
RXQ24THY1
RXQ26THY1
RXQ28THY1
RXQ30THY1
RXQ32THY1

34, 38 HP



RXQ34THY1
RXQ38THY1

Standard Type

• Single Outdoor Units

6, 8, 10, 12 HP

14, 16 HP



RXQ6TY1
RXQ8TY1
RXQ10TY1
RXQ12TY1



RXQ14TY1
RXQ16TY1

• Double Outdoor Units

18, 20 HP



RXQ18TNY1
RXQ20TNY1

22, 24, 26 HP



RXQ22TNY1
RXQ24TNY1
RXQ26TNY1

28, 30, 32 HP



RXQ28TNY1
RXQ30TNY1
RXQ32TNY1

Space Saving Type

• Single Outdoor Units

18, 20 HP



RXQ18TY1
RXQ20TY1

• Double Outdoor Units

22, 24 HP



RXQ22TSY1
RXQ24TSY1

26, 28, 30, 32 HP



RXQ26TSY1
RXQ28TSY1
RXQ30TSY1
RXQ32TSY1

Cooling Only

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
High-COP Type				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Standard Type	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Space Saving Type					●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

● Mo/C ● New Lineup

36, 40 HP



RXQ36THY1
RXQ40THY1

42, 44, 46, 48, 50 HP



RXQ42THY1 RXQ48THY1
RXQ44THY1 RXQ50THY1
RXQ46THY1

• Triple Outdoor Units

34, 36 HP



RXQ34TNY1
RXQ36TNY1

38, 40 HP



RXQ38TNY1
RXQ40TNY1

42, 44 HP



RXQ42TNY1
RXQ44TNY1

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



RXQ46TNY1 RXQ54TNY1
RXQ48TNY1 RXQ56TNY1
RXQ50TNY1 RXQ58TNY1
RXQ52TNY1 RXQ60TNY1

• Double Outdoor Units

34, 36, 38, 40 HP



RXQ34TSY1 RXQ38TSY1
RXQ36TSY1 RXQ40TSY1

• Triple Outdoor Units

42, 44 HP



RXQ42TSY1 RXQ44TSY1

46, 48, 50 HP



RXQ46TSY1 RXQ48TSY1
RXQ50TSY1

Indoor Unit Lineup

Enhanced range of choices

A mixed combination of VRV indoor units and residential indoor units is enabled all in one system. Opening the door to stylish and quiet indoor units.

VRV indoor units

19 types 101 models

Type	Model Name		20	25	32	40	50	63	71	80	100	125	140	200	250	400	500
		Capacity Range	0.8HP	1HP	1.25HP	1.6HP	2HP	2.5HP	3HP	3.2HP	4HP	5HP	6HP	8HP	10HP	16HP	20HP
		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)	FXFQ-SVM				●	●	●	●	●	●	●	●					
Ceiling Mounted Cassette (Round Flow)	FXFQ-LUV1				●	●	●	●	●	●	●	●	●	●	●		
Ceiling Mounted Cassette (Compact Multi Flow)	FXZQ-MVE		●	●	●	●	●	●									
Ceiling Mounted Cassette (Double Flow)	FXCQ-MVE		●	●	●	●	●	●	●	●	●		●	●			
Ceiling Mounted Cassette Corner	FXKQ-MAVE				●	●	●			●							
Slim Ceiling Mounted Duct (Standard Series)	FXDQ-PBVE (with drain pump)		●	●	●												
	FXDQ-PBVET (without drain pump)		●	●	●												
	FXDQ-NBVE (with drain pump)					●	●	●									
	FXDQ-NBVET (without drain pump)					●	●	●									
Slim Ceiling Mounted Duct (Compact Series)	New FXDQ-SPV1		New	New	New	New	New	New	New	New	New	New	New	New	New	New	New
Middle Static Pressure Ceiling Mounted Duct	New FXSQ-PVE		New	New	New	New	New	New	New	New	New	New	New	New	New	New	New
Ceiling Mounted Duct	FXMQ-PVE		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	FXMQ-MVE9														●	●	
4-Way Flow Ceiling Suspended	FXUQ-AVEB								●	●							
Ceiling Suspended	FXHQ-MAVE				●				●	●	●						
Wall Mounted	FXAQ-PVE		●	●	●	●	●	●	●	●							
Floor Standing	FXLQ-MAVE		●	●	●	●	●	●	●	●							
Concealed Floor Standing	FXNQ-MAVE		●	●	●	●	●	●	●	●							
Floor Standing Duct	New FXVQ-NY1										New	New	New	New	New	New	New

Daikin air handling units can be connected to VRV IV system.
Please refer to page 101 and contact your local sales office for details.

New Residential indoor units with connection to BP units

Type	Model Name	9 types 28 models				
		25	35	50	60	71
		Rated Capacity	2.5 kW	3.5 kW	5.0 kW	6.0 kW
Ceiling Mounted Cassette	FCQ-BVE					
Ceiling Mounted Cassette (Compact Multi Flow)	FFQ-BV1B					
Ceiling Mounted Built-in	FBQ-BV1					
Slim Ceiling Mounted Duct	FDKS-EAVMB					
	FDKS-C(A)VMB					
Wall Mounted	FTKS-DVM					
	FTKS-BVMA					
	FTKS-FVM					
	FTKJ-NVMMW					
	FTKJ-NVMMS					

Note: BP units are necessary for residential indoor units. Only single outdoor unit (RXQ6-20TY1) can be connected.



*Refer to Page 65-66 for the maximum number of connectable indoor units when only VRV units are connected.

Indoor Unit Lineup

Daikin offers a wide range of indoor units includes both *VRV* and residential models responding to variety of needs of our customers that require air-conditioning solutions.

VRV Indoor Unit

Ceiling Mounted Cassette
(Round Flow with Sensing)
Type

FXFQ-SVM

New



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



Ceiling Mounted Cassette
(Round Flow) Type

FXFQ-LUV1



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



Ceiling Mounted Cassette
(Compact Multi Flow) Type

FXZQ-MVE



Quiet, compact, and designed for user comfort



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(T)



FXDQ-NBVE(T)



Slim design, quietness and static pressure switching



Slim Ceiling Mounted Duct
Type (Compact Series)

FXDQ-SPV1

New



Slim and compact design for easy and flexible installation



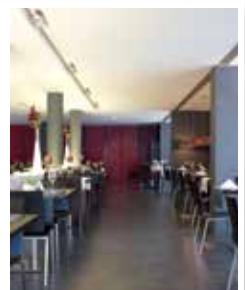
Middle Static Pressure
Ceiling Mounted Duct
Type

FXSQ-PVE

New



Middle external static pressure and slim design allow flexible installations



Ceiling Mounted Duct
Type

FXMQ-PVE



High external static pressure allows flexible installations



4-Way Flow Ceiling
Suspended Type

FXUQ-AVEB



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



Ceiling Suspended Type

FXHQ-MAVE



Slim body with quiet and wide airflow



Wall Mounted Type

FXAQ-PVE



Stylish flat panel design harmonised with your interior décor



Floor Standing Type

FXLQ-MAVE



Concealed Floor Standing Type

FXNQ-MAVE



Suitable for perimeter zone air conditioning



Floor Standing Duct Type

FXVQ-NY1

New



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



Residential Indoor Units with connection to BP unit.

Ceiling Mounted Cassette Type

FCQ-BVE



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



Ceiling Mounted Cassette (Compact Multi Flow) Type

FFQ-BV1B



Quiet, compact, and designed for user comfort



Ceiling Mounted Built-in Type

FBQ-BV1

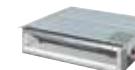


Flexible air discharge unit to fit various forms of space



Slim Ceiling Mounted Duct Type

FDKS-EAVMB



FDKS-C(A)VMB



Slim and smooth design suits your shallow ceiling



Wall Mounted Type

FTKS-DVM



FTKS-BVMA



FTKS-FVM



Stylish flat panel harmonises with your interior décor



Wall Mounted Type

FTKJ-NVMMW

New



FTKJ-NVMMS

New



Elegant appearance with European style



Indoor Unit Lineup

VRV Indoor Units

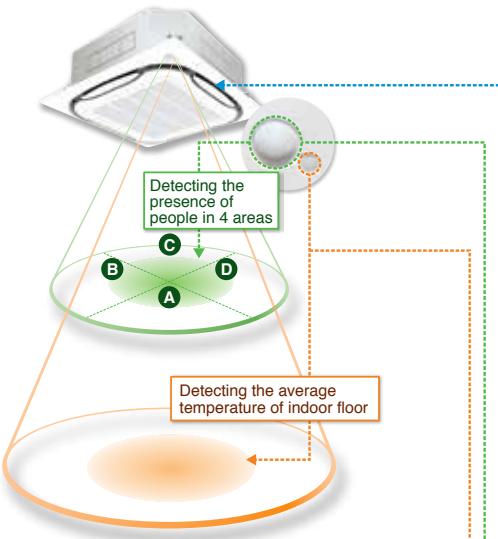
Ceiling Mounted Cassette (Round Flow with Sensing) Type

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

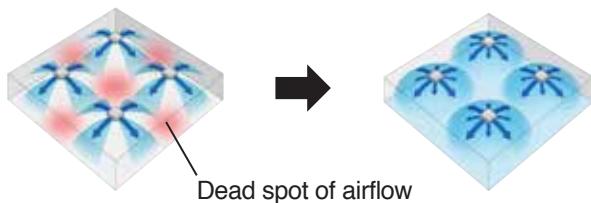


Round flow with sensing

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



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



Individual airflow direction control

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



Infrared presence sensor

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

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

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



Infrared floor sensor

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

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

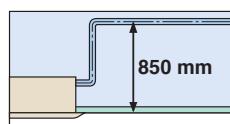
*2. The infrared floor sensor detects at the floor surface.

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

Low operation sound level

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

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



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

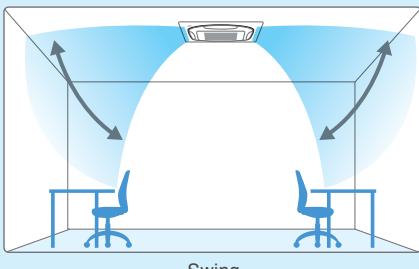
Sensing function

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

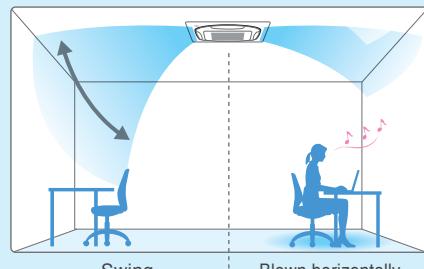
Auto airflow direction mode

Cooling Dry

When human presence not detected.



When human presence detected.



- With the Auto airflow direction mode, flaps are controlled to deliver optimal air distribution for both cooling and heating operations when there are no people.

- When a person is not detected for 5 minutes, the unit automatically returns to controlling the flaps for an unoccupied room.

*1. Airflow direction should be set to Auto. *2. Draft prevention function is OFF in the initial setting. It can be set ON using the remote controller.

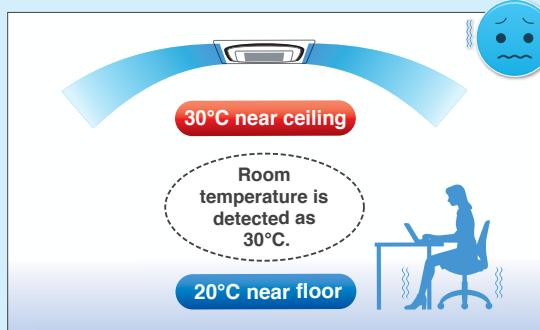
Comfort and Energy saving preventing over Cooling *1. 2

Auto airflow direction mode +
Auto airflow rate mode

Cooling

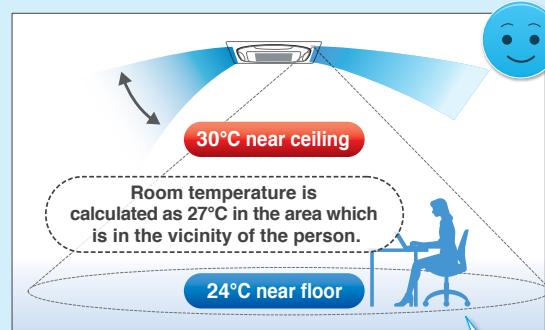
Floor temperature is detected and over cooling prevented.

Without sensing function



Area around feet gets too cold because air conditioner continues until the temperature near the ceiling reaches the set temperature.

With sensing function



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

Automatic control using the temperature near the person as the room temperature.

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.

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

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

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

Indoor Unit Lineup

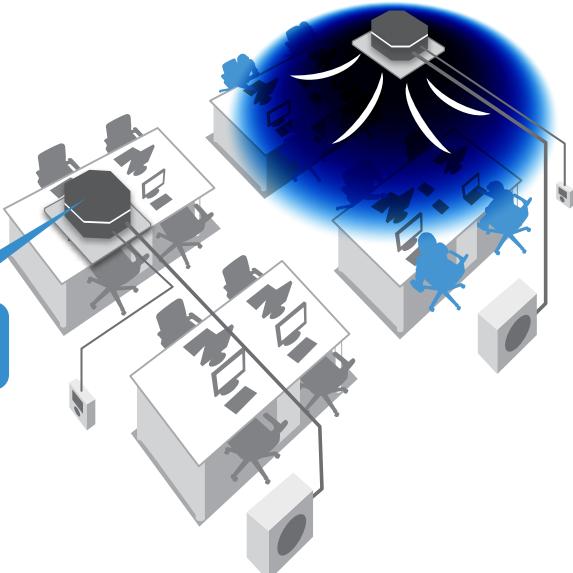
VRV Indoor Units

Sensing sensor mode*1*2

Sensing sensor low mode (default: OFF)

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

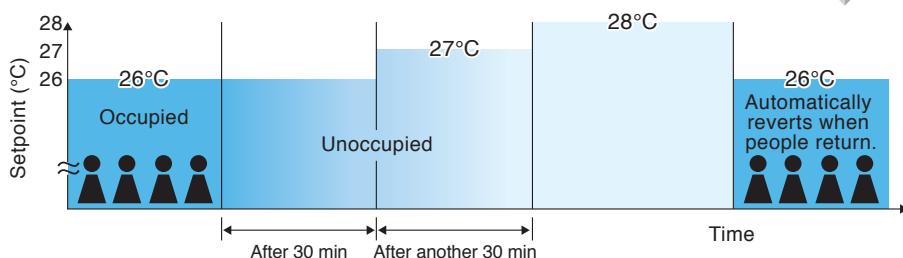
The system automatically saves energy by detecting whether or not the room is occupied. The set temperature is shifted automatically if the room is unoccupied.



Operation is reduced in places where there are no people.

Example

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



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

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

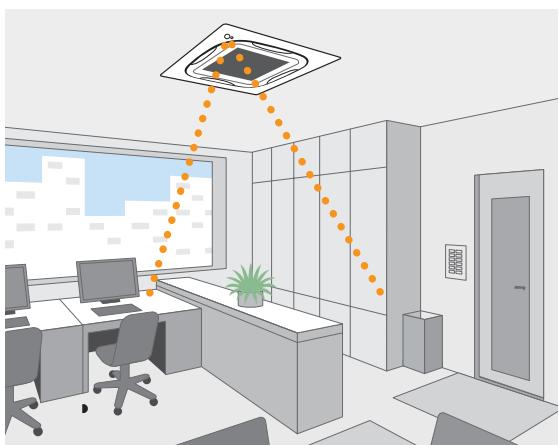
Sensing sensor stop mode (default: OFF)

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

The system automatically saves energy by detecting whether or not the room is occupied.

Based on preset user conditions, the system automatically stops operation if the room is unoccupied.

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



*1.These functions are not available when using the group control system.

*2.User can set these functions with remote controller.

*3.Please note that upon re-entering the room, air conditioner will not switch on automatically.

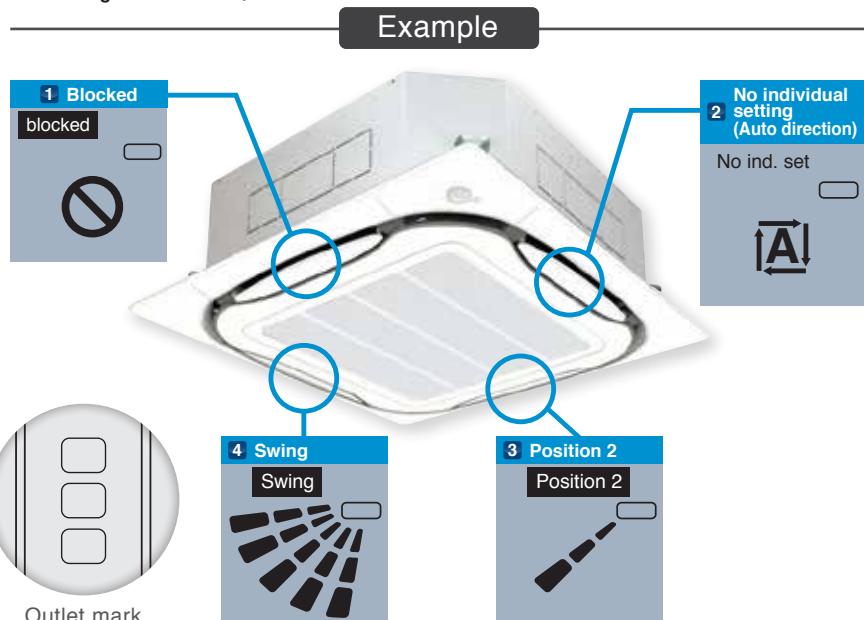
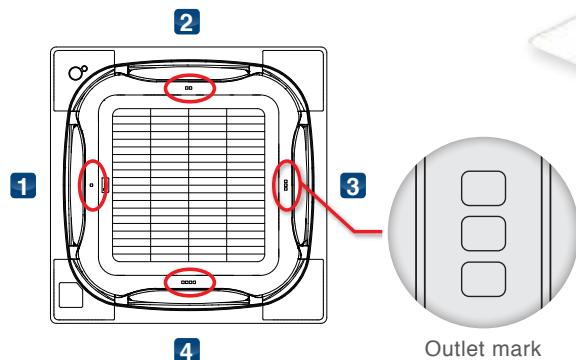
Individual airflow direction control

Individual airflow setting

Airflow direction of each of the four air outlets can be controlled individually.

(Positions 0 to 4, Swing, Blocked, and No individual setting are selectable.)

Individual setting list			
Unit1	Outlet mark	Air direc.	Indiv.
	<input type="checkbox"/>	blocked	ON
	<input checked="" type="checkbox"/>	Auto	OFF
	<input checked="" type="checkbox"/>	Position 2	ON
	<input checked="" type="checkbox"/>	Swing	ON
Return			



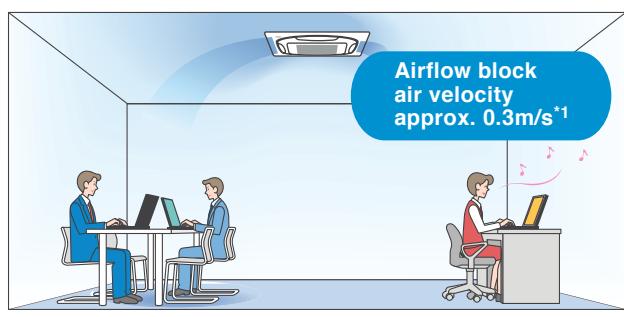
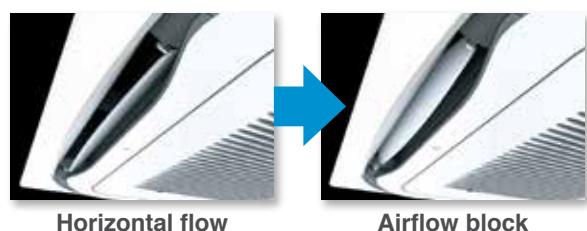
Airflow block function*1

Total comfort by individual airflow direction control and “airflow block function”

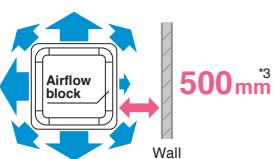
The system automatically saves energy by detecting whether or not the room is occupied. The set temperature is shifted automatically if the room is unoccupied.

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

Easy setup with remote controller



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



Airflow block for cabinet side

Also can support such case



*1. Works in one direction only.

*2. In case of FXFQ63S type (Data is based on Daikin research.) When using FXFQ80S type or higher, if the airflow rate is set to High, airflow will be on the high side. Under actual conditions, however, the airflow value may differ depending on the effect of surrounding conditions and the way in which the temperature was adjusted.

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

Indoor Unit Lineup

VRV Indoor Units

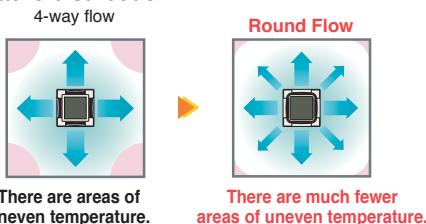
Ceiling Mounted Cassette (Round Flow) Type

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



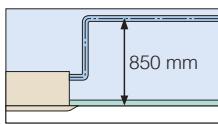
360° airflow improves temperature distribution and offers a comfortable living environment.

- 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 makes installation easy.



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

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



- Control of the airflow rate can be selected from 3-step control.

- Low operation sound level

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.

All-round flow



4-way flow



3-way flow



L-shaped 2-way flow



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.

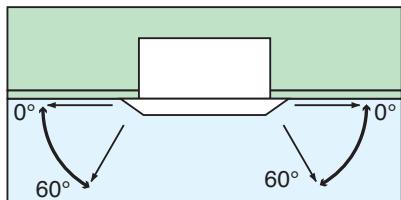
- Low operation sound level

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

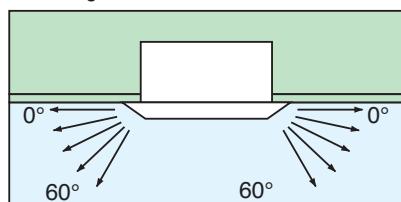
- Comfortable airflow

- Wide discharge angle: 0° to 60°

- Auto swing

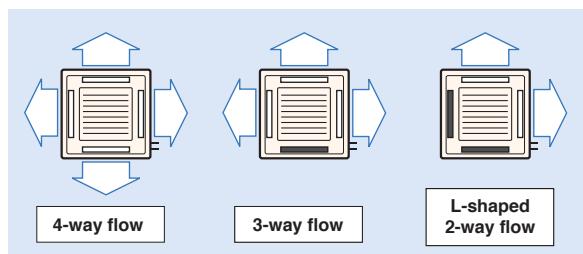


- Fixed angles: 5 levels



*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°).

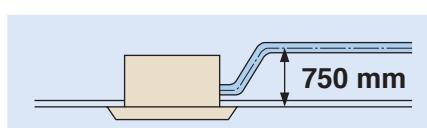
- 2-, 3-, and 4-way airflow patterns are available, enabling installation in the corner of a room.



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



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



Indoor Unit Lineup

VRV Indoor Units

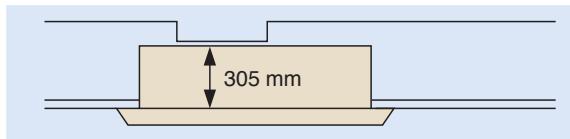
Ceiling Mounted Cassette (Double Flow) Type

**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.



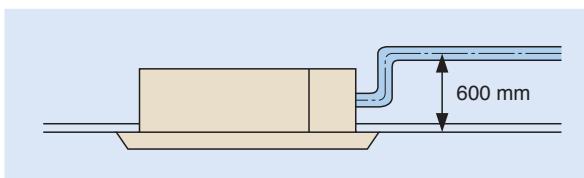
(When a high-efficiency filter is attached, the unit's height is 400 mm.)

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

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

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

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

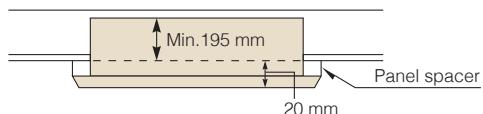
Ceiling Mounted Cassette Corner Type

FXKQ25MA / FXKQ32MA
FXKQ40MA / FXKQ63MA

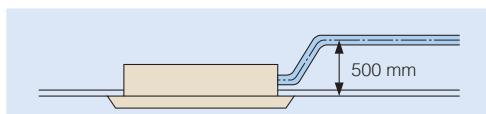


Slim design for flexible installation

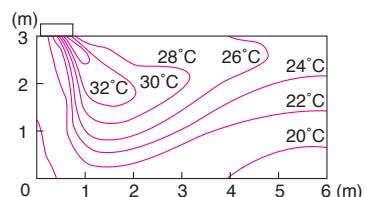
- Slim body needs only 220 mm space above the ceiling. If you use a panel spacer (option), the unit can be installed in the minimum space of 195 mm.



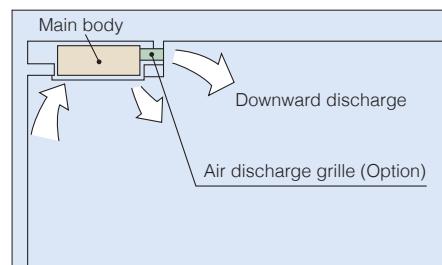
- Single-flow type allows effective air discharge from corner or from drop-ceiling.
- Drain pump is equipped as standard accessory with 500 mm lift.



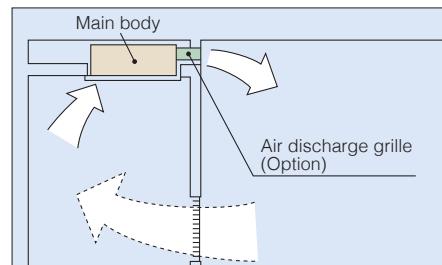
- Providing 3 different settings of standard, draft prevention and ceiling soiling prevention, the auto swing mechanism realises even distribution of airflow and room temperature.



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



*Set for front discharge using a suspended ceiling.



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

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

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

Indoor Unit Lineup

VRV Indoor Units

Slim Ceiling Mounted Duct Type (Standard Series)

Slim design, quietness and static pressure switching

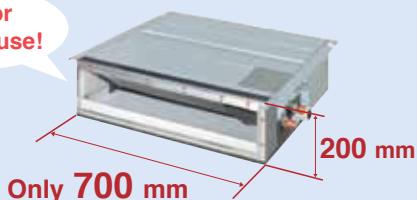


Suited to use in drop-ceilings!

FXDQ20PB / FXDQ25PB / FXDQ32PB

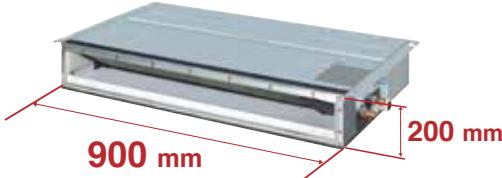
- Only 700 mm in width and 23 kg in weight, this model is suitable to install in limited spaces like drop-ceilings in hotels.

Great for hotel use!

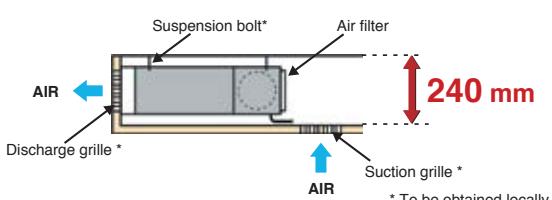


FXDQ40NB / FXDQ50NB / FXDQ63NB

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



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



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

- Low operation sound level

FXDQ-PB/NB	20/25	32	40	50	63
Sound level (HH/H/L)	28/26/23	28/26/24	30/28/26	33/30/27	33/31/29

* The values of operation sound level represent those for rear-suction operation.
Sound level values for bottom-suction operation can be obtained by adding 5 dB(A).

* Values are based on the following conditions:

FXDQ-PB: external static pressure of 10 Pa; FXDQ-NB: external static pressure of 15 Pa.

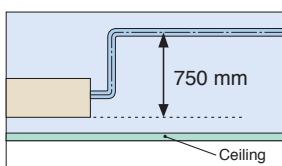
- External static pressure selectable by remote controller switching make this indoor unit a very comfortable and flexible model.

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 in two types to suit different installation conditions.

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

FXDQ-PB/NBVET: without a drain pump



Slim Ceiling Mounted Duct Type (Compact Series)

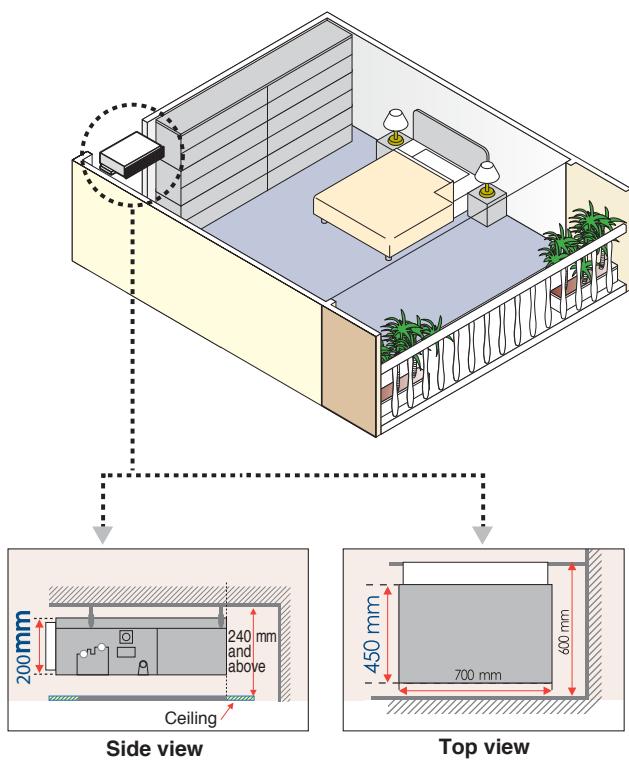
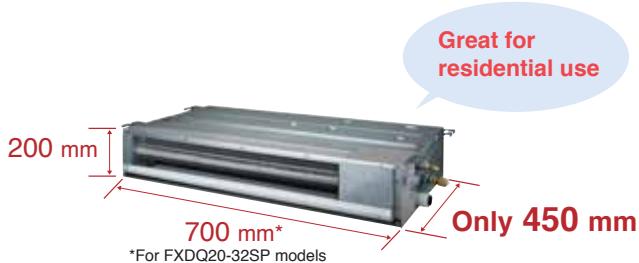
New

FXDQ20SP / FXDQ25SP
FXDQ32SP / FXDQ40SP
FXDQ50SP / FXDQ63SP

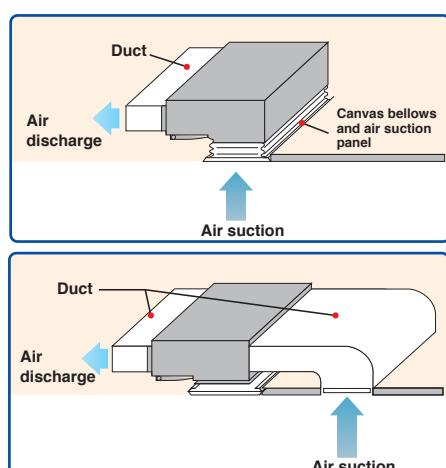


Slim and compact design for easy and flexible installation

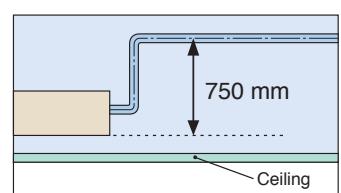
- It comes with a slim and compact design with a height of only 200 mm that requires as little as 240 mm in height for the ceiling space between the drop-ceiling and ceiling slab. The depth of the product is only 450 mm which is suitable to install in limited spaces.



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



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



Indoor Unit Lineup

VRV Indoor Units

Middle Static Pressure Ceiling Mounted Duct Type Indoor Unit

New

FXSQ20P / FXSQ25P / FXSQ32P
FXSQ40P / FXSQ50P / FXSQ63P
FXSQ80P / FXSQ100P
FXSQ125P / FXSQ140P

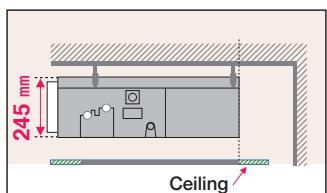


**Middle external static pressure
and slim design allow flexible installations**

Installation flexibility

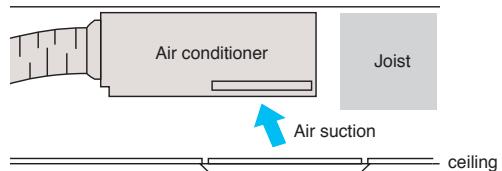
Slim design

- With a height of only 245 mm, installation is possible even in buildings with narrow ceiling spaces.



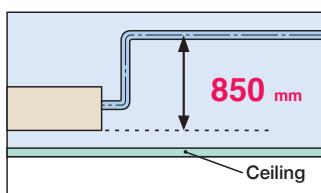
Bottom suction possible

- Bottom suction is possible which facilitates installation and maintenance. Wiring connections and maintenance of control box can be done from under the unit with an optional shield plate for side plate*, extending the degree of freedom for installation in the ceiling.



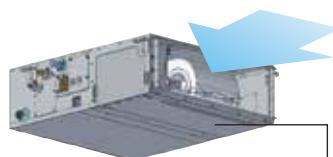
Standard DC drain pump

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

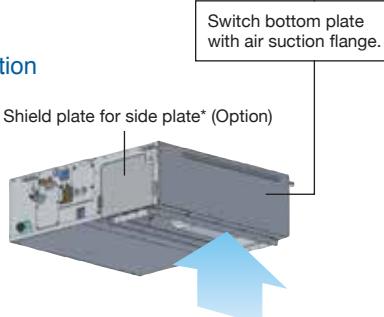


- Air suction direction can be altered from rear to bottom suction.

Rear suction



Bottom suction

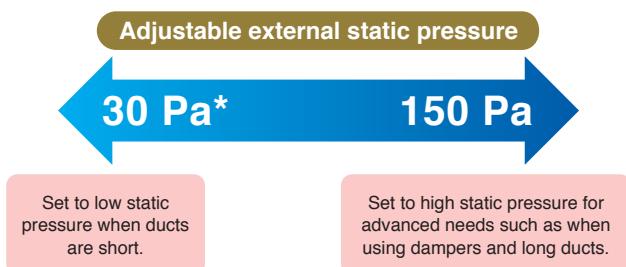


*An optional shield plate for side plate is required if wiring connections and maintenance of control box are needed from under the unit. This option is only available for FXSQ20-125P models.

Design flexibility

Adjustable external static pressure

- Using a DC fan motor, the external static pressure can be controlled within a range of 30 Pa* to 150 Pa.



Comfortable airflow is achieved in accordance with conditions such as duct length.

*30 Pa–150 Pa for FXSQ20-40PVE
50 Pa–150 Pa for FXSQ50-125PVE
50 Pa–140 Pa for FXSQ140PVE



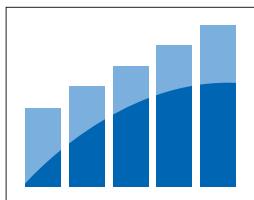
Comfort

Switchable airflow rate

- Control of the airflow rate can be selected from 3-step control.

Auto airflow rate

- 5-step airflow rate is automatically controlled in accordance with the difference between room temperature and set temperature.
- Auto airflow rate control can be selected with wired remote controller BRC1E62.



Low operation sound level

(dB(A))

FXSQ-PVE	20/25	32	40	50	63
Sound level (H/M/L)	33/30/28	34/32/30	36/33/30	34/32/29	36/32/29

FXSQ-PVE	80	100	125	140
Sound level (H/M/L)	37.5/34/30	39/35/32	42/38.5/35	43/40/36

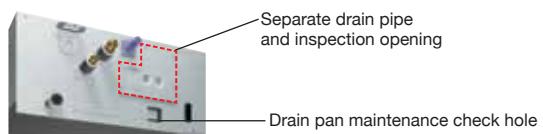
Easy installation

Airflow rate auto adjustment function

- During installation, even if the external static pressure changes due to a change in the duct route, the airflow can be automatically adjusted to within the unit's external static pressure range.
- Airflow rate can be controlled using a remote controller during test operation. It is automatically adjusted to the range between approximately $\pm 10\%$ of the rated H tap airflow.

Easy maintenance

- Inspection and cleaning is facilitated by separating the drain pipe and inspection opening and by the drain pan maintenance check hole.



- 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.

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

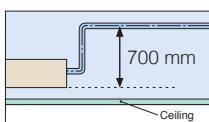
30 Pa–160 Pa for FXMQ40P

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 operation. 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.

FXMQ200MV/FXMQ250MV



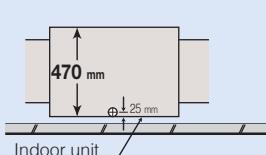
- Simplified Static Pressure Control

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

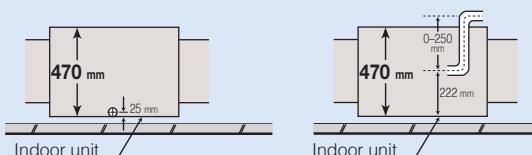
- Built-in Drain Pump (Option)

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

- Without drain pump



- With drain pump



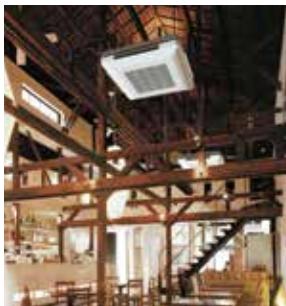
4-Way Flow Ceiling Suspended Type

FXUQ71A / FXUQ100A

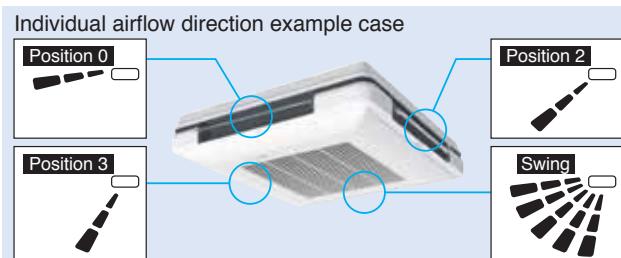


This slim and stylish indoor unit achieves optimum air distribution, and can be installed without the need for ceiling cavity.

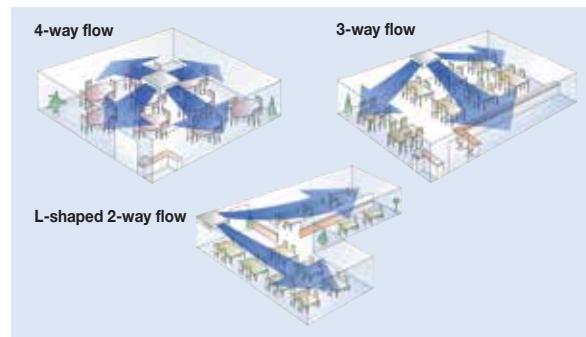
- Unit body and suction panel adopted round shapes and realised a slim appearance design. The unit can be used for various locations such as the ceilings with no cavity and bare ceilings.
- Flaps close automatically when the unit stops, which gives a simple appearance.
- Unified slim height of 198 mm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



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



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



Indoor Unit Lineup

VRV Indoor Units

Ceiling Suspended Type

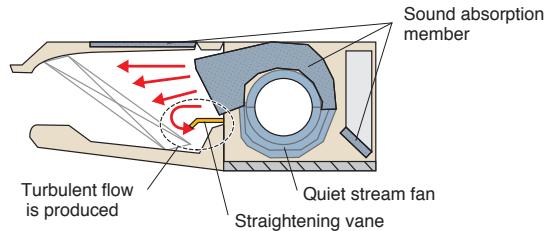
FXHQ32MA / FXHQ63MA
FXHQ100MA



Slim body with quiet and wide airflow

• Adoption of QUIET STREAM FAN

Uses the quiet stream fan and many more advanced technologies.



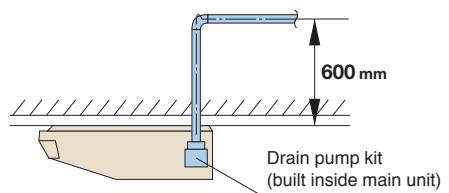
• Low operation sound level

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

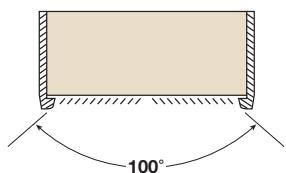


• Installation is easy

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



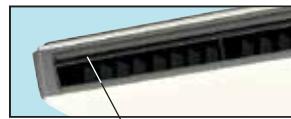
• Wide air discharge openings produce a spreading 100° airflow.



• 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 (maintenance free up to one year*) is equipped as standard accessory.

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

Wall Mounted Type

FXAQ20P / FXAQ25P

FXAQ32P / FXAQ40P

FXAQ50P / FXAQ63P



Stylish flat panel design harmonised with your interior décor

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

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

- Low operation sound level

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

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

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

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

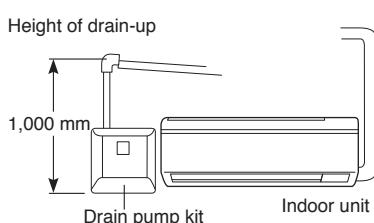
- Discharge angle is automatically set at the same angle as the previous operation when restarting. (Initial setting: 10° for cooling and 70° for heating)

- Flexible installation

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



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



Indoor Unit Lineup

VRV Indoor Units

Floor Standing Type

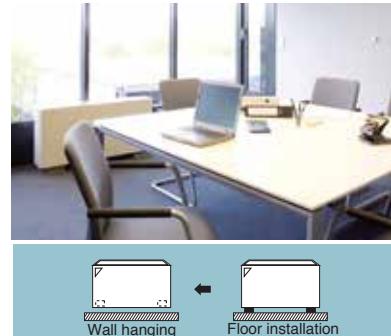
FXLQ20MA / FXLQ25MA
FXLQ32MA / FXLQ40MA
FXLQ50MA / FXLQ63MA



Suitable for perimeter zone air conditioning

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

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



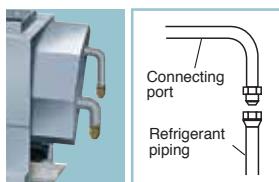
Concealed Floor Standing Type

FXNQ20MA / FXNQ25MA
FXNQ32MA / FXNQ40MA
FXNQ50MA / FXNQ63MA



Designed to be concealed in the perimeter skirting-wall

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



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



Floor Standing Duct Type

New

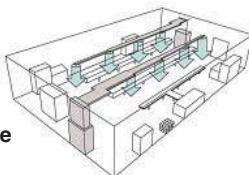
FXVQ125N / FXVQ200N
FXVQ250N / FXVQ400N
FXVQ500N

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



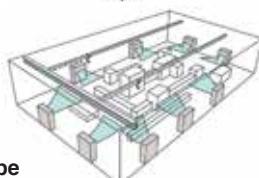
- Large airflow type that fits for spacious areas such as factories and large stores.
- Various installations can be supported from full-scale duct connection airflow to direct airflow that allows for easy installation.
- Full-scale duct connection airflow allows for air conditioning evenly in spacious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

Duct connection airflow type

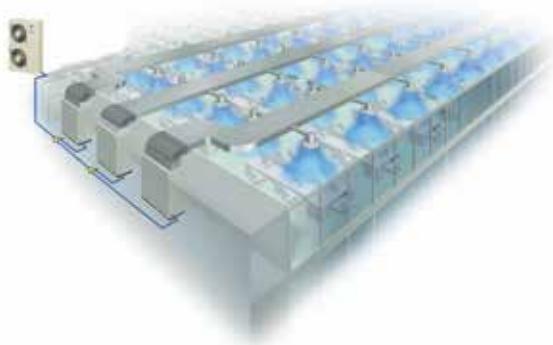


- Adding the plenum chamber (option) allows for simple operation with direct airflow.
- * Note that the operation sound increases by approximately 5 dB(A).

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.



- Design with high maintainability that allows major services and maintenance services to be performed at the front.

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

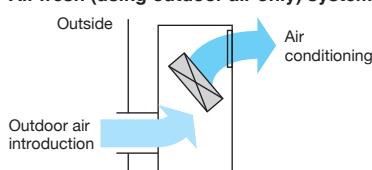
* 8 hr/day, 26 day/month. For dust concentration of 0.15 mg/m³

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

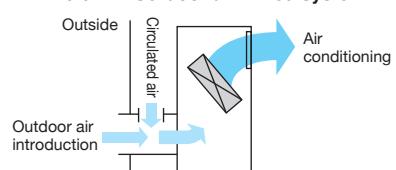
- Outdoor air intake mode is useable as an outdoor-air processing air conditioner.

*When using the unit as an outdoor-air processing unit, there are some restrictions. Strictly follow the restrictions specified in the Engineering Data Book.

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.

Indoor Unit Lineup

New Residential Indoor Units with connection to BP units

Ceiling Mounted Cassette Type

FCQ35B / FCQ50B
FCQ60B / FCQ71B



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

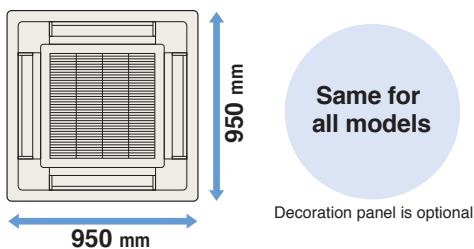


Option
Signal receiver unit
Note: Wireless remote controllers and signal receiver units are sold as a set.



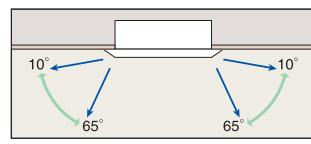
Specially designed for false ceilings —for a smooth, modern interior finish

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

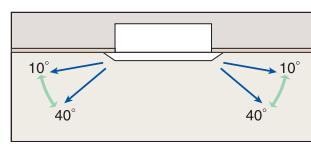


- Three convenient patterns for auto-swing operation

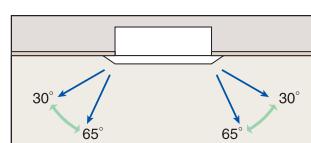
Standard



Draft prevention



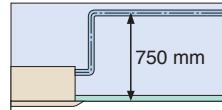
Soiling prevention



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



- Drain pump is equipped as standard with 750 mm.

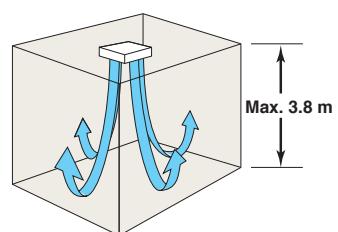


- Low operation sound level

(H/L)

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

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



Ceiling Mounted Cassette (Compact Multi Flow) Type

FFQ25B / FFQ35B
FFQ50B / FFQ60B



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



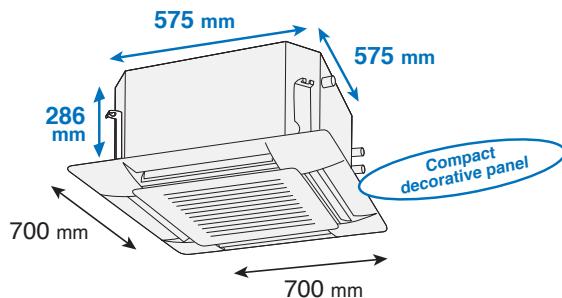
Option



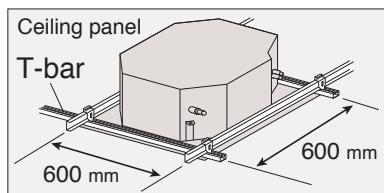
Signal receiver unit
Note: Wireless remote controllers and signal receiver units are sold as a set.

Quiet, compact, and designed for user comfort

- Designed to fit 600 mm wide ceiling grids



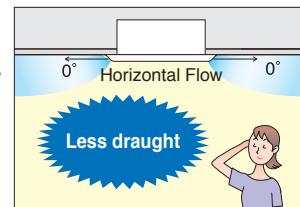
T-bar grid does not need to be cut.



- Low operation sound level (H/L)

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

- Low draft performance is designed for your comfort.



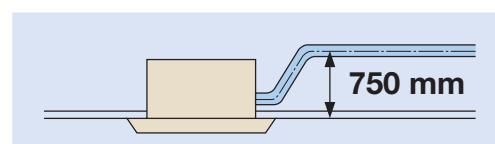
- Comfortable across all areas

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

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

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

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

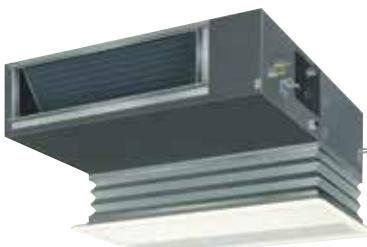


Indoor Unit Lineup

New Residential Indoor Units with connection to BP units

Ceiling Mounted Built-in Type

FBQ60B / FBQ71B

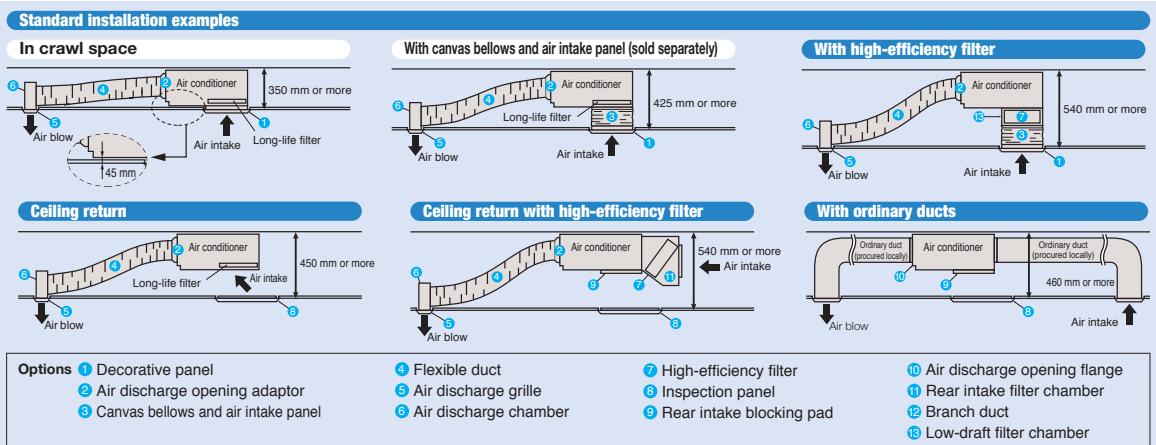


Option

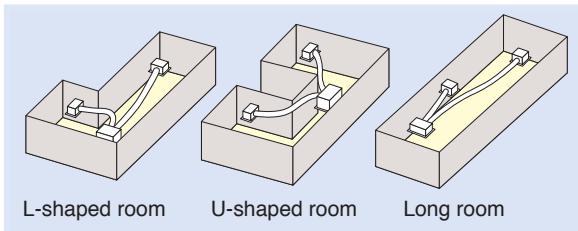
Note: Remote controller cables not included.
Cables should be obtained locally.

Flexible air discharge unit to fit various forms of space

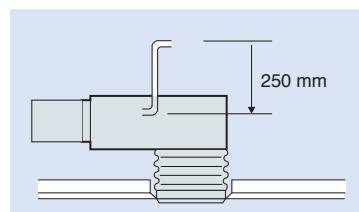
- The indoor unit can be installed in rooms with as little as 350 mm between the drop ceiling and ceiling slab. It also works with both flexible and ordinary ducts.



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



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



- Low operation sound level

(H/L)

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

Slim Ceiling Mounted Duct Type

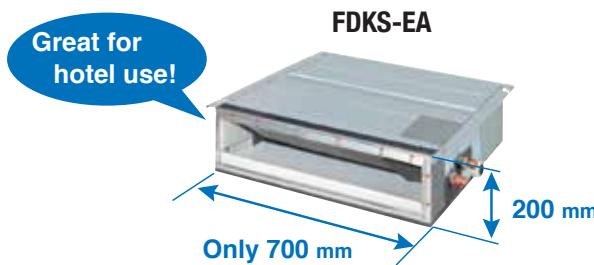
〈700 mm width type〉
FDKS25EA / FDKS35EA
 〈900/1,100 mm width type〉
FDKS25CA / FDKS35CA
FDKS50C / FDKS60C



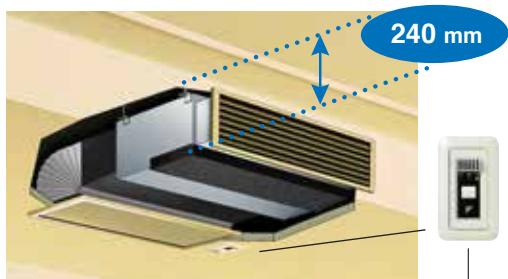
Standard accessory
 Note: Remote controllers other than the standard accessory wireless remote controller cannot be used.

Slim and smooth design suits your shallow ceiling

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



	FDKS25EA	FDKS35EA	FDKS25CA	FDKS35CA
Dimensions (H x W x D)	200 x 700 x 620 mm	200 x 900 x 620 mm		
Weight	21 kg	25 kg		
Airflow rate (H)	8.7 m³/min	9.5 m³/min	10 m³/min	
External static pressure	30 Pa		40 Pa	



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

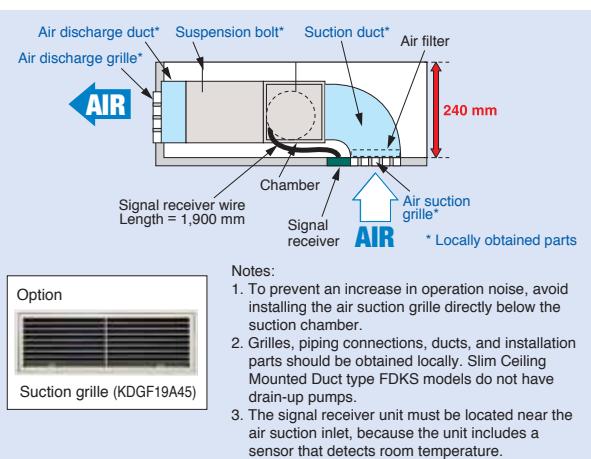
- Low operation sound level (H/L/SL)

FDKS25	FDKS35	FDKS50	FDKS60
35/31/29 dB (A)	35/31/29 dB (A)	37/33/31 dB (A)	38/34/32 dB (A)

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

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

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



Indoor Unit Lineup

New Residential Indoor Units with connection to BP units

Wall Mounted Type

FTKS25D / FTKS35D



FTKS50B



FTKS50F / FTKS60F / FTKS71F



Standard accessory*

Standard accessory*

Standard accessory*

* Remote controllers other than the standard accessory wireless remote controller cannot be used.

Stylish flat panel harmonises with your interior décor

- Wall Mounted indoor units achieve quiet sound levels of 22 dB (A). (H/L/SL)

FTKS25D	FTKS35D	FTKS50F	FTKS60F	FTKS71F
37/25/22 dB (A)	39/26/23 dB (A)	43/34/31 dB (A)	45/36/33 dB (A)	46/37/34 dB (A)

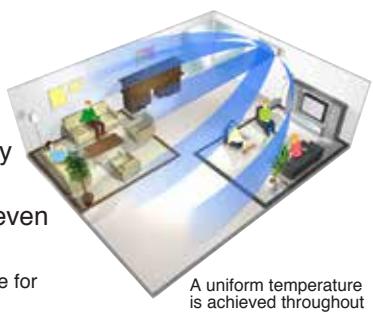
- Intelligent Eye with its infrared sensor automatically controls air conditioner operation according to human movement in a room. When there is no movement, it adjusts the temperature by 2°C for energy savings.



When you are in the room

When you go out

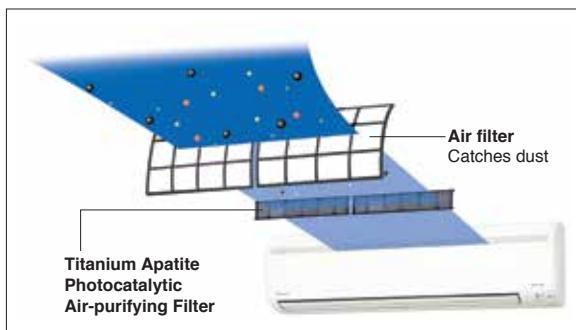
- 3-D Airflow combines Vertical and Horizontal Auto-Swing to circulate air to every part of a room for uniform cooling of even large spaces.



A uniform temperature is achieved throughout the entire room.

* This function is available for FTKS50/60/71F.

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



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

Bacteria Removal Test

Testing method: dropping method

Result certificate: No. 012553-1 and 012553-2

Testing organisation: Japan Spinners Inspecting Foundation



Wall Mounted Type

New

FTKJ25N / FTKJ35N / FTKJ50N



Note: Remote controllers other than the standard accessory wireless remote controller cannot be used.

Elegant appearance with European style

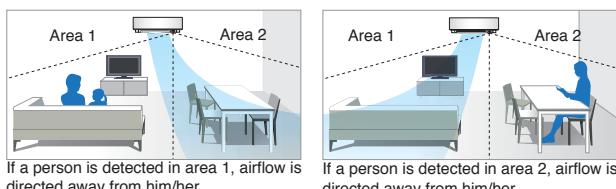
Elegant Appearance with Curved Panel

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



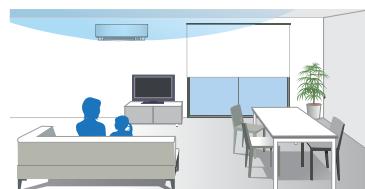
Two-Area Intelligent Eye

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



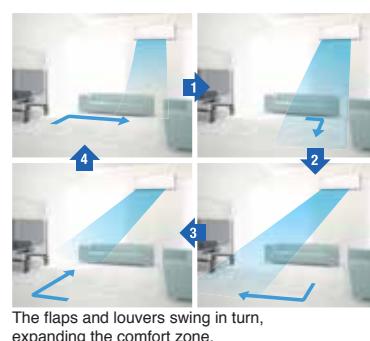
Comfort Airflow Mode

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



3D Airflow

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



Specifications

VRV Indoor Units

Ceiling Mounted Cassette (Round Flow with Sensing) Type



MODEL		FXFQ25SVM	FXFQ32SVM	FXFQ40SVM	FXFQ50SVM			
Power supply		1-phase, 220-240 V/220-230 V, 50/60 Hz						
Cooling capacity	kcal/h	2,400	3,100	3,900	4,800			
	Btu/h	9,600	12,300	15,400	19,100			
	kW	2.8	3.6	4.5	5.6			
Power consumption	Cooling	kW	0.031	0.031	0.041			
Casing		Galvanised steel plate						
Airflow rate (H/M/L)	m³/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			
	cfm	441/406/353	441/406/353	512/459/388	777/618/477			
Sound level (H/M/L)		dB(A)	30/28.5/27	30/28.5/27	31/29/27			
Dimensions (HxWxD)		mm	246x840x840					
Machine weight		kg	19		23			
Piping connections	Liquid (Flare)	mm	φ 6.4					
	Gas (Flare)		φ 12.7					
	Drain		VP25 (External Dia, 32/Internal Dia, 25)					
Panel (Option)	Model	BYCQ125B-W1						
	Colour	Fresh white						
	Dimensions(HxWxD)	mm	50x950x950					
	Weight	kg	5.5					

MODEL		FXFQ63SVM	FXFQ80SVM	FXFQ100SVM	FXFQ125SVM			
Power supply		1-phase, 220-240 V/220-230 V, 50/60 Hz						
Cooling capacity	kcal/h	6,100	7,700	9,600	12,000			
	Btu/h	24,200	30,700	38,200	47,800			
	kW	7.1	9.0	11.2	14.0			
Power consumption	Cooling	kW	0.095	0.095	0.194			
Casing		Galvanised steel plate						
Airflow rate (H/M/L)	m³/min	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	830/653/477	830/688/530	1,165/918/671	1,218/971/741			
Sound level (H/M/L)		dB(A)	38/33/28	38/35/31	44/38/32			
Dimensions (HxWxD)		mm	246x840x840		288x840x840			
Machine weight		kg	23		26			
Piping connections	Liquid (Flare)	mm	φ 9.5					
	Gas (Flare)		φ 15.9					
	Drain		VP25 (External Dia, 32/Internal Dia, 25)					
Panel (Option)	Model	BYCQ125B-W1						
	Colour	Fresh white						
	Dimensions(HxWxD)	mm	50x950x950					
	Weight	kg	5.5					

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.

(See Engineering Data Book for details.)

•Sound level: Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre.

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

Ceiling Mounted Cassette (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								
Power consumption	Cooling	kW	0.033	0.033	0.047	0.052	0.066	0.093	0.187	0.209							
Casing		Galvanised steel plate															
Airflow rate (HH/H/L)	m³/min	13/11.5/10	13/11.5/10	15/13/11	16/13.5/11	19/16.5/13.5	21/18/15	32/26/20	33/28/22.5								
	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)	mm	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 (Compact Multi Flow) Type



MODEL		FXZQ20MVE	FXZQ25MVE	FXZQ32MVE	FXZQ40MVE	FXZQ50MVE		
Power supply		1-phase, 220-240 V/220 V, 50/60 Hz						
Cooling capacity	kcal/h	1,900	2,400	3,100	3,900	4,800		
	Btu/h	7,500	9,600	12,300	15,400	19,100		
	kW	2.2	2.8	3.6	4.5	5.6		
Power consumption	Cooling	kW	0.073	0.076	0.089	0.115		
Casing		Galvanised steel plate						
Airflow rate (H/L)	m³/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, 50 Hz-240 V, 50 Hz	dB(A)	30/25-32/26	32/26-34/28	36/28-37/29	41/33-42/35		
Dimensions (HxWxD)		mm	286x575x575					
Machine weight		kg	18					
Piping connections	Liquid (Flare)	mm	ϕ 6.4					
	Gas (Flare)		ϕ 12.7					
	Drain		VP20 (External Dia, 26/Internal Dia, 20)					
Panel (Option)	Model		BYFQ60B3W1					
	Colour		White (6.5Y9.5/0.5)					
	Dimensions(HxWxD)	mm	55x700x700					
	Weight	kg	2.7					

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.

(See Engineering Data Book for details.)

• Sound level: Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre.

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

Specifications

VRV Indoor Units

Ceiling Mounted Cassette (Double Flow) Type



MODEL		FXCQ20MVE	FXCQ25MVE	FXCQ32MVE	FXCQ40MVE	FXCQ50MVE	FXCQ63MVE	FXCQ80MVE	FXCQ125MVE	
Power supply		1-phase, 220-240 V/220 V, 50/60 Hz								
Cooling capacity	kcal/h	1,900	2,400	3,100	3,900	4,800	6,100	7,700	12,000	
	Btu/h	7,500	9,600	12,300	15,400	19,100	24,200	30,700	47,800	
	kW	2.2	2.8	3.6	4.5	5.6	7.1	9.0	14.0	
Power consumption	Cooling	kW	0.077	0.092	0.092	0.130	0.130	0.161	0.209	
Casing		Galvanised steel plate								
Airflow rate (HH/M/L)	m³/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	
	240 V		34/29	36/30	36/30	37/32	37/32	39/34	41/36	
Dimensions (HxWxD)		mm	305x775x600	305x775x600	305x775x600	305x990x600	305x990x600	305x1,175x600	305x1,665x600	
Machine weight		kg	26.0	26.0	26.0	31.0	32.0	35.0	47.0	
Piping connections	Liquid (Flare)	mm	φ6.4	φ6.4	φ6.4	φ6.4	φ6.4	φ9.5	φ9.5	
	Gas (Flare)		φ12.7	φ12.7	φ12.7	φ12.7	φ12.7	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	
	Weight	kg	8.0	8.0	8.0	8.5	8.5	9.5	12.0	

Ceiling Mounted Cassette Corner Type

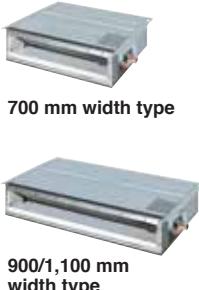


MODEL		FXKQ25MAVE	FXKQ32MAVE	FXKQ40MAVE	FXKQ63MAVE	
Power supply		1-phase, 220-240 V/220 V, 50/60 Hz				
Cooling capacity	kcal/h	2,400	3,100	3,900	6,100	
	Btu/h	9,600	12,300	15,400	24,200	
	kW	2.8	3.6	4.5	7.1	
Power consumption	Cooling	kW	0.066	0.066	0.076	
Casing		Galvanised steel plate				
Airflow rate (H/L)	m³/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	
	240 V		40/35	40/35	42/36	
Dimensions (HxWxD)		mm	215x1,110x710	215x1,110x710	215x1,110x710	
Machine weight		kg	31	31	31	
Piping connections	Liquid (Flare)	mm	φ 6.4	φ 6.4	φ 6.4	
	Gas (Flare)		φ 12.7	φ 12.7	φ 12.7	
	Drain		VP25 (External Dia, 32/Internal Dia, 25)			
Panel (Option)	Model		BYK45FJW1			
	Colour		White (10Y9/0.5)			
	Dimensions(HxWxD)	mm	70x1,240x800	70x1,240x800	70x1,240x800	
	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.
- Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index. (See Engineering Data Book for details.)
- Sound level: (FXCQ-M) Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre. (FXCQ-MA) Anechoic chamber conversion value, measured at a point 1 m in front of the unit and 1 m downward. During actual operation, these values are normally somewhat higher as a result of ambient conditions.

Slim Ceiling Mounted Duct Type (Standard Series)



700 mm width type



900/1,100 mm width type

MODEL	with drain pump	FXDQ20PBVE	FXDQ25PBVE	FXDQ32PBVE	FXDQ40NBVE	FXDQ50NBVE	FXDQ63NBVE
	without drain pump	FXDQ20PBVET	FXDQ25PBVET	FXDQ32PBVET	FXDQ40NBVET	FXDQ50NBVET	FXDQ63NBVET
Power supply		1-phase, 220-240 V/220 V, 50/60 Hz					
Cooling capacity	kcal/h	1,900	2,400	3,100	3,900	4,800	6,100
	Btu/h	7,500	9,600	12,300	15,400	19,100	24,200
	kW	2.2	2.8	3.6	4.5	5.6	7.1
Power consumption (FXDQ-PBVE)*1	Cooling	kW	0.086	0.086	0.089	0.160	0.165
Power consumption (FXDQ-PBVET)*1	Cooling	kW	0.067	0.067	0.070	0.147	0.152
Casing		Galvanised steel plate					
Airflow rate (HH/H/L)	m³/min	8.0/7.2/6.4	8.0/7.2/6.4	8.0/7.2/6.4	10.5/9.5/8.5	12.5/11.0/10.0	16.5/14.5/13.0
	cfm	282/254/226	282/254/226	282/254/226	371/335/300	441/388/353	583/512/459
External static pressure		Pa	30-10*2			44-15*2	
Sound level (HH/H/L)*1*3	dB(A)	28/26/23		28/26/24	30/28/26	33/30/27	33/31/29
Dimensions (HxWxD)	mm	200×700×620	200×700×620	200×700×620	200×900×620	200×900×620	200×1,100×620
Machine weight	kg	23.0	23.0	23.0	27.0	28.0	31.0
Piping connections	Liquid (Flare)	mm	φ6.4	φ6.4	φ6.4	φ6.4	φ6.4
	Gas (Flare)	mm	φ12.7	φ12.7	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. (See Engineering Data Book for details.)

• Sound level: Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre.

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

*1 : Values are based on the following conditions: FXDQ-PB: external static pressure of 10 Pa; FXDQ-NB: external static pressure of 15 Pa.

*2 : External static pressure is changeable to set by the remote controller. This pressure means "High static pressure - Standard". (Factory setting is 10 Pa for FXDQ-PB models and 15 Pa for FXDQ-NB models.)

*3 : The values of operation sound level represent those for rear-suction operation. Sound level values for bottom-suction operation can be obtained by adding 5 dB(A).

Slim Ceiling Mounted Duct Type (Compact Series)



MODEL		FXDQ20SPV1	FXDQ25SPV1	FXDQ32SPV1	FXDQ40SPV1	FXDQ50SPV1	FXDQ63SPV1		
Power supply		1-phase, 220-240 V, 50 Hz							
Cooling capacity	kcal/h	1,900	2,400	3,100	3,900	4,800	6,100		
	Btu/h	7,500	9,600	12,300	15,400	19,100	24,200		
	kW	2.2	2.8	3.6	4.5	5.6	7.1		
Power consumption*1	Cooling	kW	0.072	0.075	0.078	0.180	0.180		
Casing		Galvanised steel plate							
Airflow rate (HH/H/L)	m³/min	8.7/7.6/6.5	9.0/8.0/7.0	10.0/9.0/8.0	15.0/13.0/10.5		20.0/16.0/12.5		
	cfm	307/268/229	318/282/247	353/318/282	530/459/371		706/565/441		
External static pressure		Pa	30-10*2			50-20*2	40-20*2		
Sound level (HH/H/L)*1*3	dB(A)	33/31/29		34/32/30	35/33/31		37/35/33		
Dimensions (HxWxD)	mm	200×700×450			200×900×450		200×1,100×450		
Machine weight	kg	17			20		23		
Piping connections	Liquid (Flare)	mm	φ6.4				φ 9.5		
	Gas (Flare)	mm	φ12.7				φ 15.9		
	Drain	VP20 (External Dia, 26/Internal Dia, 20)							

Note: Specifications are based on the following conditions;

• Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 5.0 m, Level difference: 0 m.

• Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index. (See Engineering Data Book for details.)

• Sound level: Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre.

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

*1 : Values are based on the following conditions: FXDQ20-32SP: external static pressure of 10 Pa; FXDQ40-63SP: external static pressure of 20 Pa.

*2 : External static pressure is changeable to set by the remote controller. This pressure means "High static pressure - Standard". (Factory setting is 10 Pa for FXDQ20-32SP models and 20 Pa for FXDQ40-63SP models.)

*3 : The values of operation sound level represent those for rear-suction operation. Sound level values for bottom-suction operation can be obtained by adding 5 dB(A).

Specifications

VRV Indoor Units

Middle Static Pressure Ceiling Mounted Duct Type



MODEL		FXSQ20PVE	FXSQ25PVE	FXSQ32PVE	FXSQ40PVE	FXSQ50PVE	
Power supply		1-phase, 220-240 V/220 V, 50/60 Hz					
Cooling capacity	kcal/h	1,900	2,400	3,100	3,900	4,800	
	Btu/h	7,500	9,600	12,300	15,400	19,100	
	kW	2.2	2.8	3.6	4.5	5.6	
Power consumption	Cooling	kW	0.104 *1	0.104 *1	0.111 *1	0.162 *1	0.164 *1
Casing		Galvanised steel plate					
Airflow rate (H/M/L)	m³/min	9/7.5/6.5	9/7.5/6.5	9.5/8/7	15/12.5/10.5	17/14.5/11.5	
	cfm	318/265/230	318/265/230	335/282/247	530/441/371	600/512/406	
External static pressure		30-150 (50)*2				50-150 (50)*2	
Sound level (H/M/L)		33/30/28		34/32/30	36/33/30	34/32/29	
Dimensions (HxWxD)		245X550X800			245X700X800	245X1,000X800	
Machine weight		25			27	35	
Piping connections	Liquid (Flare)	mm	φ 6.4				
	Gas (Flare)		φ 12.7				
	Drain		VP25 (External Dia, 32/Internal Dia, 25)				

MODEL		FXSQ63PVE	FXSQ80PVE	FXSQ100PVE	FXSQ125PVE	FXSQ140PVE	
Power supply		1-phase, 220-240 V/220 V, 50/60 Hz					
Cooling capacity	kcal/h	6,100	7,700	9,600	12,000	13,800	
	Btu/h	24,200	30,700	38,200	47,800	54,600	
	kW	7.1	9.0	11.2	14.0	16.0	
Power consumption	Cooling	kW	0.222 *1	0.230 *1	0.331 *1	0.360 *1	0.411 *1
Casing		Galvanised steel plate					
Airflow rate (H/M/L)	m³/min	21/17.5/14.5	23/19.5/16	32/27/22.5	37/31.5/26	39/33.5/28	
	cfm	741/618/512	812/688/565	1,130/953/794	1,306/1,112/918	1,377/1,183/988	
External static pressure		50-150 (50)*2				50-140 (50)*2	
Sound level (H/M/L)		dB(A)	36/32/29	37.5/34/30	39/35/32	42/38.5/35	43/40/36
Dimensions (HxWxD)		mm	245X1,000X800		245X1,400X800		245X1,550X800
Machine weight		kg	35	37	46	47	52
Piping connections	Liquid (Flare)	mm	φ 9.5				
	Gas (Flare)		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.

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

(See Engineering Data Book for details.)

• Sound level: Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre.

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

*1: Power consumption value is the value when airflow rate is maximum at maximum external static pressure position.

*2: External static pressure can be modified using a remote controller that offers thirteen (FXSQ20-40P), eleven (FXSQ50-125P) or ten (FXSQ140P) levels of control. These values indicate the lowest and highest possible static pressures. The rated static pressure is 50 Pa.

Ceiling Mounted Duct Type



MODEL		FXMQ20PVE	FXMQ25PVE	FXMQ32PVE	FXMQ40PVE	FXMQ50PVE
Power supply		1-phase, 220-240 V/220 V, 50/60 Hz				
Cooling capacity	kcal/h	1,900	2,400	3,100	3,900	4,800
	Btu/h	7,500	9,600	12,300	15,400	19,100
	kW	2.2	2.8	3.6	4.5	5.6
Power consumption	Cooling	kW	0.056 *1	0.056 *1	0.060 *1	0.151 *1
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)	mm	ø 6.4	ø 6.4	ø 6.4	ø 6.4
	Gas (Flare)		ø 12.7	ø 12.7	ø 12.7	ø 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, 50/60 Hz				
Cooling capacity	kcal/h	6,100	7,700	9,600	12,000	13,800
	Btu/h	24,200	30,700	38,200	47,800	54,600
	kW	7.1	9.0	11.2	14.0	16.0
Power consumption	Cooling	kW	0.138 *1	0.185 *1	0.215 *1	0.284 *1
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)	mm	ø 9.5	ø 9.5	ø 9.5	ø 9.5
	Gas (Flare)		ø 15.9	ø 15.9	ø 15.9	ø 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.

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

(See Engineering Data Book for details.)

• Sound level: Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre.

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

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

* 2: External static pressure can be modified using a remote controller that offers seven (FXMQ20-32P), thirteen (FXMQ40P), fourteen (FXMQ50-125P) or ten (FXMQ140P) levels of control. These values indicate the lowest and highest possible static pressures. The standard static pressure is 50 Pa for FXMQ20-32P and 100 Pa for FXMQ40-140P.

Specifications

VRV Indoor Units

Ceiling Mounted Duct Type



MODEL		FXMQ200MVE9		FXMQ250MVE9	
Power supply		1-phase, 220-240 V/220 V, 50/60 Hz			
Cooling capacity	kcal/h	19,300		24,100	
	Btu/h	76,400		95,500	
	kW	22.4		28.0	
Power consumption	Cooling	kW	1.294 *1	1.465 *1	
Casing		Galvanised steel plate			
Airflow rate (H/L)	m³/min	58/50		72/62	
	cfm	2,047/1,765		2,542/2,189	
External static pressure		Pa	132-221 *2	191-270 *2	
Sound level(H/L)	220 V	dB(A)	48/45	48/45	
	240 V		49/46	49/46	
Dimensions (H×W×D)		mm	470×1,380×1,100	470×1,380×1,100	
Machine weight		kg	137	137	
Piping connections	Liquid (Flare)	mm	φ 9.5	φ 9.5	
	Gas (Brazing)		φ 19.1	φ 22.2	
	Drain		PS1B		

4-Way Flow Ceiling Suspended Type



MODEL		FXUQ71AVEB		FXUQ100AVEB	
Power supply		1-phase, 220-240 V/220-230 V, 50/60 Hz			
Cooling capacity	kcal/h	6,900		9,600	
	Btu/h	27,300		38,200	
	kW	8.0		11.2	
Power consumption	Cooling	kW	0.090	0.200	
Casing		Fresh white			
Airflow rate (H/M/L)	m³/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 (H×W×D)		mm	198×950×950		
Machine weight		kg	26	27	
Piping connections	Liquid (Flare)	mm	φ 9.5		
	Gas (Flare)		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.

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

(See Engineering Data Book for details.)

• Sound level: (FXMQ-MV) Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre.

(FXUQ-A) Anechoic chamber conversion value, measured at a point 1 m in front of the unit and 1 m downward.

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

*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".

Ceiling Suspended Type



MODEL		FXHQ32MAVE		FXHQ63MAVE		FXHQ100MAVE	
Power supply		1-phase, 220-240 V/220 V, 50/60 Hz					
Cooling capacity	kcal/h	3,100		6,100		9,600	
	Btu/h	12,300		24,200		38,200	
	kW	3.6		7.1		11.2	
Power consumption	Cooling	kW	0.111	0.115		0.135	
Casing		White (10Y9/0.5)					
Airflow rate (H/L)	m³/min	12/10		17.5/14		25/19.5	
	cfm	424/353		618/494		883/688	
Sound level (H/L)		dB(A)	36/31	39/34		45/37	
Dimensions (H×W×D)		mm	195×960×680	195×1,160×680		195×1,400×680	
Machine weight		kg	24.0	28.0		33.0	
Piping connections	Liquid (Flare)	mm	φ6.4	φ9.5		φ9.5	
	Gas (Flare)		φ12.7	φ15.9		φ15.9	
	Drain		VP20 (External Dia, 26/Internal Dia, 20)				

Wall Mounted Type



MODEL		FXAQ20PVE	FXAQ25PVE	FXAQ32PVE	FXAQ40PVE	FXAQ50PVE	FXAQ63PVE
Power supply		1-phase, 220-240 V/220 V, 50/60 Hz					
Cooling capacity	kcal/h	1,900	2,400	3,100	3,900	4,800	6,100
	Btu/h	7,500	9,600	12,300	15,400	19,100	24,200
	kW	2.2	2.8	3.6	4.5	5.6	7.1
Power consumption	Cooling	kW	0.019	0.028	0.030	0.020	0.033
Casing		White (3.0Y8.5/0.5)					
Airflow rate (H/L)	m³/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
Dimensions (H×W×D)		mm	290×795×238	290×795×238	290×795×238	290×1,050×238	290×1,050×238
Machine weight		kg	11.0	11.0	11.0	14.0	14.0
Piping connections	Liquid (Flare)	mm	φ6.4	φ6.4	φ6.4	φ6.4	φ9.5
	Gas (Flare)		φ12.7	φ12.7	φ12.7	φ12.7	φ15.9
	Drain		VP13 (External Dia, 18/Internal Dia, 13)				

Note: Specifications are based on the following conditions;

- Cooling: 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. (See Engineering Data Book for details.)
- Sound level: Anechoic chamber conversion value, measured at a point 1 m in front of the unit and 1 m downward. During actual operation, these values are normally somewhat higher as a result of ambient conditions.

Specifications

VRV Indoor Units

Floor Standing Type/Concealed Floor Standing Type



MODEL		FXLQ20MAVE	FXLQ25MAVE	FXLQ32MAVE	FXLQ40MAVE	FXLQ50MAVE	FXLQ63MAVE
		FXNQ20MAVE	FXNQ25MAVE	FXNQ32MAVE	FXNQ40MAVE	FXNQ50MAVE	FXNQ63MAVE
Power supply		1-phase, 220-240 V/220 V, 50/60 Hz					
Cooling capacity	kcal/h	1,900	2,400	3,100	3,900	4,800	6,100
	Btu/h	7,500	9,600	12,300	15,400	19,100	24,200
	kW	2.2	2.8	3.6	4.5	5.6	7.1
Power consumption	Cooling	kW	0.049	0.049	0.090	0.090	0.110
Casing		FXLQ: Ivory white (5Y7.5/1)/FXNQ: Galvanised steel plate					
Airflow rate (H/L)	m³/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
	240 V		37/34	37/34	37/34	40/35	41/36
Dimensions (H×W×D)	FXLQ	mm	600×1,000×222	600×1,000×222	600×1,140×222	600×1,140×222	600×1,420×222
	FXNQ		610×930×220	610×930×220	610×1,070×220	610×1,070×220	610×1,350×220
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		21O.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.
- Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index. (See Engineering Data Book for details.)
- Sound level: Anechoic chamber conversion value, measured at a point 1.5 m 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		FXVQ125NY1	FXVQ200NY1	FXVQ250NY1	FXVQ400NY1	FXVQ500NY1
		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
Power consumption	Cooling	kW	0.53	1.33	1.61	3.97
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	118	144	169	236	281
Sound level *1	dB(A)	52	56	60	65	62
Piping connections	Liquid	mm	φ9.5 (Brazing)		φ12.7 (Brazing)	φ15.9 (Brazing)
	Gas	mm	φ 15.9 (Brazing)	φ19.1 (Brazing)	φ22.2 (Brazing)	φ28.6 (Brazing)
	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
	Airflow rate	m³/min	43	69	86	134
	External static pressure *2	Pa	152	217	281	420
	Drive system		Belt drive system			

Notes: 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.

*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.

Residential indoor units with connection to BP units

Ceiling Mounted Cassette Type



MODEL		FCQ35BVE	FCQ50BVE	FCQ60BVE	FCQ71BVE			
Power supply		1-phase, 220-240 V/220 V, 50/60 Hz						
Airflow rates (H)	m ³ /min (cfm)	14.0 (494)	15.0 (530)	19.0 (671)				
Sound levels (H/L)*	dB (A)	33/29		35/30				
Fan speed		2 steps						
Temperature control		Microcomputer control						
Dimensions (HxWxD)	mm	230x840x840						
Machine weight	kg	24						
Piping connections	Liquid (Flare)	mm	ø6.4		ø9.5			
	Gas (Flare)		ø9.5	ø12.7	ø15.9			
	Drain		I.D ø25xO.D ø32					
Heat insulation		Both liquid and gas pipes						
Panel (Option)	Model	BYC125K-W1						
	Colour	White						
	Dimensions (HxWxD)	mm	40x950x950					
	Weight	kg	5					

Note: * For 220 V operation.

Ceiling Mounted Cassette (Compact Multi Flow) Type

600 x 600



MODEL		FFQ25BV1B	FFQ35BV1B	FFQ50BV1B	FFQ60BV1B			
Power supply		1-phase, 220-240 V, 50 Hz						
Airflow rates (H)	m ³ /min (cfm)	9.0 (318)	10.0 (353)	12.0 (424)	15.0 (530)			
Sound levels (H/L)*	dB (A)	29.5/24.5	32/25	36/27	41/32			
Fan speed		2 steps						
Temperature control		Microcomputer control						
Dimensions (HxWxD)	mm	286x575x575						
Machine weight	kg	17.5						
Piping connections	Liquid (Flare)	mm	ø6.4					
	Gas (Flare)		ø9.5	ø12.7				
	Drain		VP20 (External Dia. 26/Internal Dia. 20)					
Heat insulation		Both liquid and gas pipes						
Panel (Option)	Model	BYFQ60B8W1						
	Colour	White						
	Dimensions (HxWxD)	mm	55x700x700					
	Weight	kg	2.7					

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

Ceiling Mounted Built-in Type



MODEL		FBQ60BV1	FBQ71BV1
Power supply		1-phase, 220-240 V, 50 Hz	
Airflow rates (H)	m ³ /min (cfm)	17.0 (600)	19.0 (670)
Sound levels (H/L)*	dB (A)	41/35	
Fan speed		2 steps	
Temperature control		Microcomputer control	
Dimensions (HxWxD)	mm	300x1,000x800	
Machine weight	kg	41	
Piping connections	Liquid (Flare)	mm	ø6.4
	Gas (Flare)		ø12.7
	Drain		I.D ø25xO.D ø32
Heat insulation		Both liquid and gas pipes	
Panel (Option)	Model	BYBS71DJW1	
	Colour	White	
	Dimensions (HxWxD)	mm	55x1,100x500
	Weight	kg	4.5

Note: * For 220 V operation.

Specifications

Residential indoor units with connection to BP units

Slim Ceiling Mounted Duct Type



MODEL		FDKS25EAVMB	FDKS35EAVMB	FDKS25CAVMB	FDKS35CAVMB	FDKS50CVMB	FDKS60CVMB
Power supply		1-phase, 220-240 V/220-230 V, 50/60 Hz					
Airflow rates (H)	m ³ /min (cfm)	8.7 (307)	9.5 (335)	10.0 (353)	12.0 (424)	16.0 (565)	
Sound levels (H/L/SL)*	dB (A)		35/31/29		37/33/31	38/34/32	
Fan speed		5 steps, quiet and automatic					
Temperature control		Microcomputer control					
Dimensions (HxWxD)	mm	200x700x620		200x900x620		200x1,100x620	
Machine weight	kg	21	25	27	30		
Piping connections	Liquid (Flare)	mm	ø6.4				
	Gas (Flare)		ø9.5			ø12.7	ø15.9
	Drain		VP20 (External Dia. 26/Internal Dia. 20)				
Heat insulation		Both liquid and gas pipes					
External static pressure	Pa					40	

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

Wall Mounted Type



MODEL		FTKS25DVM	FTKS35DVM	FTKS50BVMA	FTKS50FVM	FTKS60FVM	FTKS71FVM
Power supply		1-phase, 220-240 V/220-230 V, 50/60 Hz					
Front panel colour		White					
Airflow rates (H)	m ³ /min (cfm)	8.7 (307)	8.9 (314)	11.4 (402)	14.7 (519)	16.2 (572)	17.4 (614)
Sound levels (H/L/SL)	dB (A)	37/25/22	39/26/23	44/35/32	43/34/31	45/36/33	46/37/34
Fan speed		5 steps, quiet and automatic					
Temperature control		Microcomputer control					
Dimensions (HxWxD)	mm	283x800x195	290x795x238		290x1,050x238		
Machine weight	kg	9			12		
Piping connections	Liquid (Flare)	mm	ø6.4				
	Gas (Flare)		ø9.5		ø12.7	ø15.9	
	Drain		ø18.0				
Heat insulation		Both liquid and gas pipes					

Wall Mounted Type



MODEL		FTKJ25NVMMW	FTKJ25NVMM	FTKJ35NVMMW	FTKJ35NVMM	FTKJ50NVMMW	FTKJ50NVMM
Power supply		1-phase, 220-240 V/220-230 V, 50/60 Hz					
Front panel colour		White	Silver	White	Silver	White	Silver
Airflow rates (H)	m ³ /min (cfm)	8.9 (313)		10.9 (385)			
Sound levels (H/L/SL)	dB (A)	38/25/19		45/26/20		46/35/29	
Fan speed		5 steps, quiet and automatic					
Temperature control		Microcomputer control					
Dimensions (HxWxD)	mm			303x998x212			
Machine weight	kg			12			
Piping connections	Liquid (Flare)	mm	ø6.4				
	Gas (Flare)		ø9.5		ø12.7	ø15.9	
	Drain		ø18.0				
Heat insulation		Both liquid and gas pipes					

BP Units for connection to residential indoor units

									
MODEL		BPMKS967A3		BPMKS967A2					
Power supply		1-phase, 220-240 V/220-230 V, 50/60 Hz							
Number of ports		3 (connectable to 1-3 indoor units)		2 (connectable to 1-2 indoor units)					
Power consumption	W			10					
Running current	A			0.05					
Dimensions (HxWxD)	mm			180×294 (+356*)×350					
Machine weight	kg	8		7.5					
Number of wiring connections		3 for power supply (including earth wiring), 2 for interunit wiring (outdoor unit-BP, BP-BP), 4 for interunit wiring (BP-indoor unit)							
Piping connections (Brazing)	Liquid	Main mm	ø9.5×1						
		Branch mm	ø6.4×3						
Gas	Main	mm	ø19.1×1						
		Branch mm	ø15.9×3						
Heat insulation		Both liquid and gas pipes							
Connectable indoor units		2.5 kW class to 7.1 kW class residential indoor units							
Min. rated capacity of connectable indoor units	kW			2.5					
Max. rated capacity of connectable indoor units	kW	20.8		14.2					

Note: * Total auxiliary piping length.

Specifications

Outdoor Units

High-COP Type

									
MODEL		RXQ12THY1(E)	RXQ14THY1(E)	RXQ16THY1(E)	RXQ18THY1(E)	RXQ20THY1(E)	RXQ22THY1(E)	RXQ24THY1(E)	
Combination units		RXQ6TY1(E)	RXQ6TY1(E)	RXQ8TY1(E)	RXQ6TY1(E)	RXQ6TY1(E)	RXQ6TY1(E)	RXQ8TY1(E)	
		RXQ6TY1(E)	RXQ8TY1(E)	RXQ8TY1(E)	RXQ6TY1(E)	RXQ6TY1(E)	RXQ8TY1(E)	RXQ8TY1(E)	
		—	—	—	RXQ6TY1(E)	RXQ8TY1(E)	RXQ8TY1(E)	RXQ8TY1(E)	
Power supply		3-phase 4-wire system, 380–415 V, 50 Hz							
Cooling capacity	kcal/h	27,500	33,000	38,500	41,300	46,800	52,300	57,800	
	Btu/h	109,000	131,000	153,000	164,000	186,000	207,000	229,000	
	kW	32.0	38.4	44.8	48.0	54.4	60.8	67.2	
Power consumption	kW	7.26	8.84	10.4	10.9	12.5	14.1	15.6	
Capacity control	%	10-100	10-100	10-100	7-100	7-100	7-100	7-100	
Casing colour		Ivory white (5Y7.5/1)							
Compressor	Type	Hermetically Sealed Scroll Type							
	Motor output	kW	(2.4X1)+(2.4X1)	(2.4X1)+(3.4X1)	(3.4X1)+(3.4X1)	(2.4X1)+(2.4X1)+(2.4X1)	(2.4X1)+(2.4X1)+(3.4X1)	(2.4X1)+(3.4X1)+(3.4X1)	
Airflow rate		m ³ /min	119+119	119+157	157+157	119+119+119	119+119+157	119+157+157	157+157+157
Dimensions (HxWxD)		mm	(1,657x930x765)+(1,657x930x765)	(1,657x930x765)+(1,657x930x765)	(1,657x930x765)+(1,657x930x765)	(1,657x930x765)+(1,657x930x765)+(1,657x930x765)	(1,657x930x765)+(1,657x930x765)+(1,657x930x765)	(1,657x930x765)+(1,657x930x765)+(1,657x930x765)	(1,657x930x765)+(1,657x930x765)+(1,657x930x765)
Machine weight		kg	185+185	185+185	185+185	185+185+185	185+185+185	185+185+185	185+185+185
Sound level		dB(A)	58	59	59	60	60	60	61
Operation range		°CDB	-5 to 43						
Refrigerant	Type	R-410A							
	Charge	kg	5.9+5.9	5.9+5.9	5.9+5.9	5.9+5.9+5.9	5.9+5.9+5.9	5.9+5.9+5.9	5.9+5.9+5.9
Piping connections	Liquid	mm	ø12.7 (Brazing)	ø12.7 (Brazing)	ø12.7 (Brazing)	ø15.9 (Brazing)	ø15.9 (Brazing)	ø15.9 (Brazing)	ø15.9 (Brazing)
	Gas	mm	ø28.6 (Brazing)	ø28.6 (Brazing)	ø28.6 (Brazing)	ø28.6 (Brazing)	ø28.6 (Brazing)	ø28.6 (Brazing)	ø34.9 (Brazing)

Note: 1. Models with (E) feature components treated for heat and rust corrosion resistance, such as external panels, fan motor, and electric component box, in addition to the fins of the heat exchanger. These models are designed specifically for use in areas which are subject to salt damage and atmospheric pollution. Please contact Daikin for more information.

2. 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.
- 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.

RXQ26THY1(E)	RXQ28THY1(E)	RXQ30THY1(E)	RXQ32THY1(E)	RXQ34THY1(E)	RXQ36THY1(E)	RXQ38THY1(E)	RXQ40THY1(E)
RXQ8TY1(E)	RXQ8TY1(E)	RXQ8TY1(E)	RXQ8TY1(E)	RXQ8TY1(E)	RXQ8TY1(E)	RXQ12TY1(E)	RXQ12TY1(E)
RXQ8TY1(E)	RXQ8TY1(E)	RXQ10TY1(E)	RXQ12TY1(E)	RXQ12TY1(E)	RXQ14TY1(E)	RXQ12TY1(E)	RXQ14TY1(E)
RXQ10TY1(E)	RXQ12TY1(E)	RXQ12TY1(E)	RXQ12TY1(E)	RXQ14TY1(E)	RXQ14TY1(E)	RXQ14TY1(E)	RXQ14TY1(E)
3-phase 4-wire system, 380–415 V, 50 Hz							
62,600	67,300	72,200	76,900	82,500	87,700	92,000	98,000
248,000	267,000	286,000	305,000	327,000	348,000	365,000	389,000
72.8	78.3	83.9	89.4	95.9	102	107	114
17.7	19.4	21.5	23.2	25.1	27.0	28.9	30.8
6-100	6-100	5-100	5-100	5-100	4-100	4-100	4-100
Ivory white (5Y7.5/1)							
Hermetically Sealed Scroll Type							
(3.4X1)+ (3.4X1)+ (4.1X1)	(3.4X1)+ (3.4X1)+ (5.2X1)	(3.4X1)+ (4.1X1)+ (5.2X1)	(3.4X1)+ (5.2X1)+ (5.2X1)	(3.4X1)+(5.2X1)+ (2.9X1)+(3.3X1)	(3.4X1)+(2.9X1)+ (3.3X1)+(2.9X1)+ (3.3X1)	(5.2X1)+(5.2X1)+ (2.9X1)+(3.3X1)	(5.2X1)+(2.9X1)+ (3.3X1)+(2.9X1)+ (3.3X1)
157+157+165	157+157+178	157+165+178	157+178+178	157+178+233	157+233+233	178+178+233	178+233+233
(1,657X930X765)+ (1,657X930X765)+ (1,657X930X765)	(1,657X930X765)+ (1,657X930X765)+ (1,657X930X765)	(1,657X930X765)+ (1,657X930X765)+ (1,657X930X765)	(1,657X930X765)+ (1,657X930X765)+ (1,657X930X765)	(1,657X930X765)+ (1,657X930X765)+ (1,657X1,240X765)	(1,657X930X765)+ (1,657X1,240X765)+ (1,657X1,240X765)	(1,657X930X765)+ (1,657X930X765)+ (1,657X1,240X765)	(1,657X930X765)+ (1,657X930X765)+ (1,657X1,240X765)
185+185+195	185+185+195	185+195+195	185+195+195	185+195+285	185+285+285	195+195+285	195+285+285
61	62	62	63	63	64	64	64
-5 to 43							
R-410A							
5.9+5.9+6.0	5.9+5.9+6.3	5.9+6.0+6.3	5.9+6.3+6.3	5.9+6.3+10.3	5.9+10.3+10.3	6.3+6.3+10.3	6.3+10.3+10.3
φ19.1 (Brazing)	φ19.1 (Brazing)	φ19.1 (Brazing)	φ19.1 (Brazing)	φ19.1 (Brazing)	φ19.1 (Brazing)	φ19.1 (Brazing)	φ19.1 (Brazing)
φ34.9 (Brazing)	φ34.9 (Brazing)	φ34.9 (Brazing)	φ34.9 (Brazing)	φ34.9 (Brazing)	φ41.3 (Brazing)	φ41.3 (Brazing)	φ41.3 (Brazing)

Specifications

Outdoor Units

High-COP Type

						
MODEL		RXQ42THY1(E)	RXQ44THY1(E)	RXQ46THY1(E)	RXQ48THY1(E)	RXQ50THY1(E)
Combination units		RXQ14TY1(E)	RXQ14TY1(E)	RXQ14TY1(E)	RXQ16TY1(E)	RXQ16TY1(E)
		RXQ14TY1(E)	RXQ14TY1(E)	RXQ16TY1(E)	RXQ16TY1(E)	RXQ16TY1(E)
		RXQ14TY1(E)	RXQ16TY1(E)	RXQ16TY1(E)	RXQ16TY1(E)	RXQ18TY1(E)
		Power supply		3-phase 4-wire system, 380–415 V, 50 Hz		
Cooling capacity	kcal/h	103,000	108,000	112,000	116,000	120,000
	Btu/h	409,000	427,000	444,000	461,000	478,000
	kW	120	125	130	135	140
Power consumption	kW	32.7	34.8	36.9	39.0	41.4
Capacity control	%	4-100	3-100	3-100	3-100	3-100
Casing colour		Ivory white (5Y7.5/1)				
Compressor	Type	Hermetically Sealed Scroll Type				
	Motor output	kW	(2.9X1)+(3.3X1)+(2.9X1)+(3.3X1)+(2.9X1)+(3.3X1)	(2.9X1)+(3.3X1)+(2.9X1)+(3.3X1)+(3.6X1)+(3.7X1)	(2.9X1)+(3.3X1)+(3.6X1)+(3.7X1)+(3.6X1)+(3.7X1)	(3.6X1)+(3.7X1)+(3.6X1)+(3.7X1)+(3.6X1)+(3.7X1)+(4.4X1)+(4.0X1)
Airflow rate		m ³ /min	233+233+233	233+233+233	233+233+233	233+233+233
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)
Machine weight		kg	285+285+285	285+285+285	285+285+285	285+285+285
Sound level		dB(A)	65	65	65	66
Operation range		°CDB	-5 to 43			
Refrigerant	Type	R-410A				
	Charge	kg	10.3+10.3+10.3	10.3+10.3+10.4	10.3+10.4+10.4	10.4+10.4+10.4
Piping connections	Liquid	mm	φ19.1 (Brazing)	φ19.1 (Brazing)	φ19.1 (Brazing)	φ19.1 (Brazing)
	Gas	mm	φ41.3 (Brazing)	φ41.3 (Brazing)	φ41.3 (Brazing)	φ41.3 (Brazing)

Note: 1. Models with (E) feature components treated for heat and rust corrosion resistance, such as external panels, fan motor, and electric component box, in addition to the fins of the heat exchanger. These models are designed specifically for use in areas which are subject to salt damage and atmospheric pollution. Please contact Daikin for more information.

2. 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.
- 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.

Standard Type

								
MODEL		RXQ6TY1(E)	RXQ8TY1(E)	RXQ10TY1(E)	RXQ12TY1(E)	RXQ14TY1(E)	RXQ16TY1(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	
Power consumption	kW	3.63	5.21	7.29	9.01	10.9	13.0	
Capacity control	%	20-100	20-100	16-100	15-100	11-100	10-100	
Casing colour		Ivory white (5Y7.5/1)						
Compressor	Type	Hermetically Sealed Scroll Type						
	Motor output	kW	2.4X1	3.4X1	4.1X1	5.2X1	(2.9X1)+(3.3X1)	(3.6X1)+(3.7X1)
Airflow rate		m ³ /min	119	157	165	178	233	233
Dimensions (HxWxD)		mm	1,657X930X765	1,657X930X765	1,657X930X765	1,657X930X765	1,657X1,240X765	1,657X1,240X765
Machine weight		kg	185	185	195	195	285	285
Sound level		dB(A)	55	56	57	59	60	61
Operation range		°CDB	-5 to 43					
Refrigerant	Type	R-410A						
	Charge	kg	5.9	5.9	6.0	6.3	10.3	10.4
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: 1. Models with (E) feature components treated for heat and rust corrosion resistance, such as external panels, fan motor, and electric component box, in addition to the fins of the heat exchanger. These models are designed specifically for use in areas which are subject to salt damage and atmospheric pollution. Please contact Daikin for more information.

2. 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.
- 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

Standard Type

MODEL	RXQ18TNY1(E)	RXQ20TNY1(E)	RXQ22TNY1(E)	RXQ24TNY1(E)	RXQ26TNY1(E)	RXQ28TNY1(E)	RXQ30TNY1(E)		
Combination units	RXQ8TY1(E)	RXQ8TY1(E)	RXQ8TY1(E)	RXQ10TY1(E)	RXQ12TY1(E)	RXQ14TY1(E)	RXQ14TY1(E)		
	RXQ10TY1(E)	RXQ12TY1(E)	RXQ14TY1(E)	RXQ14TY1(E)	RXQ14TY1(E)	RXQ14TY1(E)	RXQ16TY1(E)		
Power supply									
Cooling capacity	kcal/h	43,300	48,100	53,700	58,500	63,200	68,800	73,100	
	Btu/h	172,000	191,000	213,000	232,000	251,000	273,000	290,000	
	kW	50.4	55.9	62.4	68.0	73.5	80.0	85.0	
Power consumption	kW	12.5	14.2	16.1	18.2	19.9	21.8	23.9	
Capacity control	%	8-100	8-100	7-100	6-100	6-100	5-100	5-100	
Casing colour									
	Type								
Compressor	Motor output	kW	(3.4X1)+(4.1X1)	(3.4X1)+(5.2X1)	(3.4X1)+(2.9X1)+(3.3X1)	(4.1X1)+(2.9X1)+(3.3X1)	(5.2X1)+(2.9X1)+(3.3X1)	(2.9X1)+(3.3X1)+(2.9X1)+(3.3X1)	(2.9X1)+(3.3X1)+(3.6X1)+(3.7X1)
Airflow rate	m³/min	157+165	157+178	157+233	165+233	178+233	233+233	233+233	
Dimensions (HxWxD)	mm	(1,657X930X765)+(1,657X930X765)	(1,657X930X765)+(1,657X930X765)	(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+195	185+195	185+285	195+285	195+285	285+285	285+285	
Sound level	dB(A)	60	61	61	62	63	63	64	
Operation range	°CDB								
Refrigerant	Type								
	Charge	kg	5.9+6.0	5.9+6.3	5.9+10.3	6.0+10.3	6.3+10.3	10.3+10.3	10.3+10.4
Piping connections	Liquid	mm	ø15.9 (Brazing)	ø15.9 (Brazing)	ø15.9 (Brazing)	ø15.9 (Brazing)	ø19.1 (Brazing)	ø19.1 (Brazing)	ø19.1 (Brazing)
	Gas	mm	ø28.6 (Brazing)	ø28.6 (Brazing)	ø28.6 (Brazing)	ø34.9 (Brazing)	ø34.9 (Brazing)	ø34.9 (Brazing)	ø34.9 (Brazing)

Note: 1. Models with (E) feature components treated for heat and rust corrosion resistance, such as external panels, fan motor, and electric component box, in addition to the fins of the heat exchanger. These models are designed specifically for use in areas which are subject to salt damage and atmospheric pollution. Please contact Daikin for more information.

2. 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.

• 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.

RXQ32TNY1(E)	RXQ34TNY1(E)	RXQ36TNY1(E)	RXQ38TNY1(E)	RXQ40TNY1(E)	RXQ42TNY1(E)	RXQ44TNY1(E)	RXQ46TNY1(E)
RXQ14TY1(E)	RXQ10TY1(E)	RXQ12TY1(E)	RXQ8TY1(E)	RXQ12TY1(E)	RXQ12TY1(E)	RXQ12TY1(E)	RXQ14TY1(E)
RXQ18TY1(E)	RXQ12TY1(E)	RXQ12TY1(E)	RXQ12TY1(E)	RXQ12TY1(E)	RXQ14TY1(E)	RXQ16TY1(E)	RXQ14TY1(E)
—	RXQ12TY1(E)	RXQ12TY1(E)	RXQ18TY1(E)	RXQ16TY1(E)	RXQ16TY1(E)	RXQ16TY1(E)	RXQ18TY1(E)
3-phase 4-wire system, 380–415 V, 50 Hz							
77,400	81,700	86,900	91,200	96,300	102,000	107,000	112,000
307,000	324,000	345,000	362,000	382,000	406,000	423,000	444,000
90.0	95.0	101	106	112	119	124	130
26.3	25.3	27.0	29.6	31.0	32.9	35.0	37.2
5-100	5-100	5-100	4-100	4-100	4-100	4-100	3-100
Ivory white (5Y7.5/1)							
Hermetically Sealed Scroll Type							
(2.9X1)+(3.3X1)+(4.4X1)+(4.0X1)	(4.1X1)+(5.2X1)+(5.2X1)	(5.2X1)+(5.2X1)+(5.2X1)	(3.4X1)+(5.2X1)+(4.4X1)+(4.0X1)	(5.2X1)+(5.2X1)+(3.6X1)+(3.7X1)	(5.2X1)+(2.9X1)+(3.3X1)+(3.6X1)+(3.7X1)	(5.2X1)+(3.6X1)+(3.7X1)+(3.6X1)+(3.7X1)	(2.9X1)+(3.3X1)+(2.9X1)+(3.3X1)+(4.4X1)+(4.0X1)
233+233	165+178+178	178+178+178	157+178+233	178+178+233	178+233+233	178+233+233	233+233+233
(1,657X1,240X765)+(1,657X1,240X765)	(1,657X930X765)+(1,657X930X765)+(1,657X930X765)	(1,657X930X765)+(1,657X930X765)+(1,657X930X765)	(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)	(1,657X1,240X765)+(1,657X1,240X765)+(1,657X1,240X765)
285+285	195+195+195	195+195+195	185+195+285	195+195+285	195+285+285	195+285+285	285+285+285
64	63	64	64	65	65	65	66
-5 to 43							
R-410A							
10.3+10.5	6.0+6.3+6.3	6.3+6.3+6.3	5.9+6.3+10.5	6.3+6.3+10.4	6.3+10.3+10.4	6.3+10.4+10.4	10.3+10.3+10.5
φ19.1 (Brazing)	φ19.1 (Brazing)	φ19.1 (Brazing)	φ19.1 (Brazing)	φ19.1 (Brazing)	φ19.1 (Brazing)	φ19.1 (Brazing)	φ19.1 (Brazing)
φ34.9 (Brazing)	φ34.9 (Brazing)	φ41.3 (Brazing)	φ41.3 (Brazing)	φ41.3 (Brazing)	φ41.3 (Brazing)	φ41.3 (Brazing)	φ41.3 (Brazing)

Specifications

Outdoor Units

Standard Type

								
MODEL		RXQ48TNY1(E)	RXQ50TNY1(E)	RXQ52TNY1(E)	RXQ54TNY1(E)	RXQ56TNY1(E)	RXQ58TNY1(E)	RXQ60TNY1(E)
Combination units		RXQ14TY1(E)	RXQ14TY1(E)	RXQ16TY1(E)	RXQ18TY1(E)	RXQ18TY1(E)	RXQ18TY1(E)	RXQ20TY1(E)
RXQ16TY1(E)		RXQ18TY1(E)	RXQ18TY1(E)	RXQ18TY1(E)	RXQ18TY1(E)	RXQ20TY1(E)	RXQ20TY1(E)	RXQ20TY1(E)
RXQ18TY1(E)		RXQ18TY1(E)	RXQ18TY1(E)	RXQ18TY1(E)	RXQ18TY1(E)	RXQ20TY1(E)	RXQ20TY1(E)	RXQ20TY1(E)
Power supply		3-phase 4-wire system, 380–415 V, 50 Hz						
Cooling capacity	kcal/h	116,000	120,000	125,000	129,000	134,000	139,000	144,000
	Btu/h	461,000	478,000	495,000	512,000	532,000	553,000	573,000
	kW	135	140	145	150	156	162	168
Power consumption	kW	39.3	41.7	43.8	46.2	48.8	51.4	54.0
Capacity control	%	3-100	3-100	3-100	3-100	3-100	3-100	3-100
Casing colour		Ivory white (5Y7.5/1)						
Compressor	Type	Hermetically Sealed Scroll Type						
	Motor output	kW	(2.9X1)+(3.3X1)+(3.6X1)+(3.7X1)+(4.4X1)+(4.0X1)	(2.9X1)+(3.3X1)+(4.4X1)+(4.0X1)+(4.4X1)+(4.0X1)	(3.6X1)+(3.7X1)+(4.4X1)+(4.0X1)+(4.4X1)+(4.0X1)	(4.4X1)+(4.0X1)+(4.4X1)+(4.0X1)+(4.4X1)+(4.0X1)	(4.4X1)+(4.0X1)+(4.4X1)+(4.0X1)+(4.4X1)+(4.0X1)	(4.6X1)+(5.5X1)+(4.6X1)+(5.5X1)+(4.6X1)+(5.5X1)
Airflow rate		m ³ /min	233+233+233	233+233+233	233+233+233	233+233+233	233+233+268	233+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)	(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+285+285	285+285+285	285+285+285	285+285+285	285+285+320	285+320+320
Sound level		dB(A)	66	66	66	67	68	69
Operation range		°CDB	-5 to 43					
Refrigerant	Type	R-410A						
	Charge	kg	10.3+10.4+10.5	10.3+10.5+10.5	10.4+10.5+10.5	10.5+10.5+10.5	10.5+10.5+11.8	10.5+11.8+11.8
Piping connections	Liquid	mm	ø 19.1 (Brazing)					
	Gas	mm	ø 41.3 (Brazing)					

Note: 1. Models with (E) feature components treated for heat and rust corrosion resistance, such as external panels, fan motor, and electric component box, in addition to the fins of the heat exchanger. These models are designed specifically for use in areas which are subject to salt damage and atmospheric pollution. Please contact Daikin for more information.

2. 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.

•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.

Space Saving Type

					
MODEL		RXQ18TY1(E)	RXQ20TY1(E)	RXQ22TSY1(E)	RXQ24TSY1(E)
Combination units		—	—	RXQ10TY1(E)	RXQ12TY1(E)
				RXQ12TY1(E)	RXQ12TY1(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
Power consumption	kW	15.4	18.0	16.3	18.0
Capacity control	%	10-100	8-100	8-100	8-100
Casing colour		Ivory white (5Y7.5/1)			
Compressor	Type	Hermetically Sealed Scroll Type			
	Motor output	kW	(4.4X1)+(4.0X1)	(4.6X1)+(5.5X1)	(4.1X1)+(5.2X1)
Airflow rate		m ³ /min	233	268	165+178
Dimensions (HxWxD)		mm	1,657X1,240X765	1,657X1,240X765	(1,657X930X765)+(1,657X930X765)
Machine weight		kg	285	320	195+195
Sound level		dB(A)	62	65	61
Operation range		°CDB	-5 to 43		
Refrigerant	Type	R-410A			
	Charge	kg	10.5	11.8	6.0+6.3
Piping connections	Liquid	mm	φ15.9 (Brazing)	φ15.9 (Brazing)	φ15.9 (Brazing)
	Gas	mm	φ28.6 (Brazing)	φ28.6 (Brazing)	φ34.9 (Brazing)

Note: 1. Models with (E) feature components treated for heat and rust corrosion resistance, such as external panels, fan motor, and electric component box, in addition to the fins of the heat exchanger. These models are designed specifically for use in areas which are subject to salt damage and atmospheric pollution. Please contact Daikin for more information.

2. 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.

•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

Space Saving Type

MODEL	RXQ26TSY1(E)	RXQ28TSY1(E)	RXQ30TSY1(E)	RXQ32TSY1(E)	RXQ34TSY1(E)	RXQ36TSY1(E)		
Combination units	RXQ8TY1(E)	RXQ12TY1(E)	RXQ12TY1(E)	RXQ12TY1(E)	RXQ16TY1(E)	RXQ18TY1(E)		
	RXQ18TY1(E)	RXQ16TY1(E)	RXQ18TY1(E)	RXQ20TY1(E)	RXQ18TY1(E)	RXQ18TY1(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		
	Btu/h	247,000	268,000	285,000	305,000	324,000		
	kW	72.4	78.5	83.5	89.5	95.0		
Power consumption	kW	20.6	22.0	24.4	27.0	28.4		
Capacity control	%	7-100	6-100	6-100	5-100	5-100		
Casing colour	Ivory white (5Y7.5/1)							
Compressor	Type	Hermetically Sealed Scroll Type						
	Motor output	kW	(3.4X1)+(4.4X1)+(4.0X1)	(5.2X1)+(3.6X1)+(3.7X1)	(5.2X1)+(4.4X1)+(4.0X1)	(5.2X1)+(4.6X1)+(5.5X1)	(3.6X1)+(3.7X1)+(4.4X1)+(4.0X1)	(4.4X1)+(4.0X1)+(4.4X1)+(4.0X1)
Airflow rate	m³/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+285	195+285	195+285	195+320	285+285	285+285	
Sound level	dB(A)	63	63	64	66	65	65	
Operation range	°CDB	-5 to 43						
Refrigerant	Type	R-410A						
	Charge	kg	5.9+10.5	6.3+10.4	6.3+10.5	6.3+11.8	10.4+10.5	10.5+10.5
Piping connections	Liquid	mm	φ19.1 (Brazing)	φ19.1 (Brazing)	φ19.1 (Brazing)	φ19.1 (Brazing)	φ19.1 (Brazing)	φ19.1 (Brazing)
	Gas	mm	φ34.9 (Brazing)	φ34.9 (Brazing)	φ34.9 (Brazing)	φ34.9 (Brazing)	φ34.9 (Brazing)	φ41.3 (Brazing)

Note: 1. Models with (E) feature components treated for heat and rust corrosion resistance, such as external panels, fan motor, and electric component box, in addition to the fins of the heat exchanger. These models are designed specifically for use in areas which are subject to salt damage and atmospheric pollution. Please contact Daikin for more information.

2. 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.
- 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.

						
RXQ38TSY1(E)	RXQ40TSY1(E)	RXQ42TSY1(E)	RXQ44TSY1(E)	RXQ46TSY1(E)	RXQ48TSY1(E)	RXQ50TSY1(E)
RXQ18TY1(E)	RXQ20TY1(E)	RXQ12TY1(E)	RXQ12TY1(E)	RXQ12TY1(E)	RXQ12TY1(E)	RXQ12TY1(E)
RXQ20TY1(E)	RXQ20TY1(E)	RXQ12TY1(E)	RXQ12TY1(E)	RXQ16TY1(E)	RXQ18TY1(E)	RXQ18TY1(E)
—	—	RXQ18TY1(E)	RXQ20TY1(E)	RXQ18TY1(E)	RXQ18TY1(E)	RXQ20TY1(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
33.4	36.0	33.4	36.0	37.4	39.8	42.4
4-100	4-100	4-100	4-100	4-100	4-100	3-100
Ivory white (5Y7.5/1)						
Hermetically Sealed Scroll Type						
(4.4X1)+(4.0X1)+(4.6X1)+(5.5X1)	(4.6X1)+(5.5X1)+(4.6X1)+(5.5X1)	(5.2X1)+(5.2X1)+(4.4X1)+(4.0X1)	(5.2X1)+(5.2X1)+(4.6X1)+(5.5X1)	(5.2X1)+(3.6X1)+(3.7X1)+(4.4X1)+(4.0X1)	(5.2X1)+(4.4X1)+(4.0X1)+(4.4X1)+(4.0X1)	(5.2X1)+(4.4X1)+(4.0X1)+(4.6X1)+(5.5X1)
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)
285+320	320+320	195+195+285	195+195+320	195+285+285	195+285+285	195+285+320
67	68	65	67	66	66	67
-5 to 43						
R-410A						
10.5+11.8	11.8+11.8	6.3+6.3+10.5	6.3+6.3+11.8	6.3+10.4+10.5	6.3+10.5+10.5	6.3+10.5+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)

Outdoor Unit Combinations

Outdoor Unit Combinations

For connection of only VRV indoor units

High-COP 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
12	300	RXQ12TH	RXQ6Tx 2	BHFP22P100	150 to 390 (480)	19 (24)
14	350	RXQ14TH	RXQ6T+ RXQ8T		175 to 455 (560)	22 (28)
16	400	RXQ16TH	RXQ8Tx 2		200 to 520 (640)	26 (32)
18	450	RXQ18TH	RXQ6Tx 3		225 to 585 (585)	29 (29)
20	500	RXQ20TH	RXQ6Tx 2+ RXQ8T		250 to 650 (650)	32 (32)
22	550	RXQ22TH	RXQ6T+ RXQ8Tx 2		275 to 715 (715)	35 (35)
24	600	RXQ24TH	RXQ8Tx 3		300 to 780 (780)	39 (39)
26	650	RXQ26TH	RXQ8Tx 2 + RXQ10T		325 to 845 (845)	42 (42)
28	700	RXQ28TH	RXQ8Tx 2 + RXQ12T		350 to 910 (910)	45 (45)
30	750	RXQ30TH	RXQ8T+ RXQ10T+ RXQ12T		375 to 975 (975)	48 (48)
32	800	RXQ32TH	RXQ8T+ RXQ12Tx 2		400 to 1,040 (1,040)	52 (52)
34	850	RXQ34TH	RXQ8T+ RXQ12T+ RXQ14T		425 to 1,105 (1,105)	55 (55)
36	900	RXQ36TH	RXQ8T+ RXQ14T x 2		450 to 1,170 (1,170)	58 (58)
38	950	RXQ38TH	RXQ12Tx 2+ RXQ14T		475 to 1,235 (1,235)	61 (61)
40	1,000	RXQ40TH	RXQ12T+ RXQ14Tx 2		500 to 1,300 (1,300)	
42	1,050	RXQ42TH	RXQ14Tx 3		525 to 1,365 (1,365)	
44	1,100	RXQ44TH	RXQ14Tx 2+ RXQ16T		550 to 1,430 (1,430)	
46	1,150	RXQ46TH	RXQ14T+ RXQ16Tx 2		575 to 1,495 (1,495)	
48	1,200	RXQ48TH	RXQ16Tx 3		600 to 1,560 (1,560)	
50	1,250	RXQ50TH	RXQ16Tx 2 + RXQ18T		625 to 1,625 (1,625)	

Note: *1 The outdoor unit multi connection piping kit (separately sold) is required for multiple connection.

*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 7 for notes on connection capacity of indoor units.

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
18	450	RXQ18T	RXQ18T	BHFP22P100	225 to 585 (900)	29 (45)
20	500	RXQ20T	RXQ20T		250 to 650 (1,000)	32 (50)
22	550	RXQ22TS	RXQ10T + RXQ12T		275 to 715 (880)	35 (44)
24	600	RXQ24TS	RXQ12Tx 2		300 to 780 (960)	39 (48)
26	650	RXQ26TS	RXQ8T + RXQ18T		325 to 845 (1,040)	42 (52)
28	700	RXQ28TS	RXQ12T + RXQ16T		350 to 910 (1,120)	45 (56)
30	750	RXQ30TS	RXQ12T + RXQ18T		375 to 975 (1,200)	48 (60)
32	800	RXQ32TS	RXQ12T + RXQ20T		400 to 1,040 (1,280)	52 (64)
34	850	RXQ34TS	RXQ16T + RXQ18T		425 to 1,105 (1,360)	55 (64)
36	900	RXQ36TS	RXQ18Tx 2		450 to 1,170 (1,440)	58 (64)
38	950	RXQ38TS	RXQ18T + RXQ20T		475 to 1,235 (1,520)	61 (64)
40	1,000	RXQ40TS	RXQ20Tx 2		500 to 1,300 (1,600)	
42	1,050	RXQ42TS	RXQ12Tx 2 + RXQ18T		525 to 1,365 (1,365)	
44	1,100	RXQ44TS	RXQ12Tx 2 + RXQ20T		550 to 1,430 (1,430)	
46	1,150	RXQ46TS	RXQ12T + RXQ16T + RXQ18T		575 to 1,495 (1,495)	
48	1,200	RXQ48TS	RXQ12T + RXQ18Tx 2		600 to 1,560 (1,560)	
50	1,250	RXQ50TS	RXQ12T + RXQ18T + RXQ20T		625 to 1,625 (1,625)	

Note: *1 For multiple connection of 22 HP 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 7 for notes on connection capacity of indoor units.

Standard 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	RXQ6T	RXQ6T	BHFP22P100	—	75 to 195 (300)
8	200	RXQ8T	RXQ8T		—	100 to 260 (400)
10	250	RXQ10T	RXQ10T		—	125 to 325 (500)
12	300	RXQ12T	RXQ12T		—	150 to 390 (600)
14	350	RXQ14T	RXQ14T		—	175 to 455 (700)
16	400	RXQ16T	RXQ16T		—	200 to 520 (800)
18	450	RXQ18TN	RXQ8T + RXQ10T		225 to 585 (720)	29 (36)
20	500	RXQ20TN	RXQ8T + RXQ12T		250 to 650 (800)	32 (40)
22	550	RXQ22TN	RXQ8T + RXQ14T		275 to 715 (880)	35 (44)
24	600	RXQ24TN	RXQ10T + RXQ14T		300 to 780 (960)	39 (48)
26	650	RXQ26TN	RXQ12T + RXQ14T		325 to 845 (1,040)	42 (52)
28	700	RXQ28TN	RXQ14T × 2		350 to 910 (1,120)	45 (56)
30	750	RXQ30TN	RXQ14T + RXQ16T		375 to 975 (1,200)	48 (60)
32	800	RXQ32TN	RXQ14T + RXQ18T		400 to 1,040 (1,280)	52 (64)
34	850	RXQ34TN	RXQ10T + RXQ12T × 2		425 to 1,105 (1,105)	55 (55)
36	900	RXQ36TN	RXQ12T × 3		450 to 1,170 (1,170)	58 (58)
38	950	RXQ38TN	RXQ8T + RXQ12T + RXQ18T		475 to 1,235 (1,235)	61 (61)
40	1,000	RXQ40TN	RXQ12T × 2 + RXQ16T	BHFP22P151	500 to 1,300 (1,300)	
42	1,050	RXQ42TN	RXQ12T + RXQ14T + RXQ16T		525 to 1,365 (1,365)	
44	1,100	RXQ44TN	RXQ12T + RXQ16T × 2		550 to 1,430 (1,430)	
46	1,150	RXQ46TN	RXQ14T × 2 + RXQ18T		575 to 1,495 (1,495)	
48	1,200	RXQ48TN	RXQ14T + RXQ16T + RXQ18T		600 to 1,560 (1,560)	
50	1,250	RXQ50TN	RXQ14T + RXQ18T × 2		625 to 1,625 (1,625)	64 (64)
52	1,300	RXQ52TN	RXQ16T + RXQ18T × 2		650 to 1,690 (1,690)	
54	1,350	RXQ54TN	RXQ18T × 3		675 to 1,755 (1,755)	
56	1,400	RXQ56TN	RXQ18T × 2 + RXQ20T		700 to 1,820 (1,820)	
58	1,450	RXQ58TN	RXQ18T + RXQ20T × 2		725 to 1,885 (1,885)	
60	1,500	RXQ60TN	RXQ20T × 3		750 to 1,950 (1,950)	

Note: *1 For multiple connection of 18 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 7 for notes on connection capacity of indoor units.

For mixed combination of VRV and residential indoor units

Model name ^{*1}	kW	HP	Capacity index	Total capacity index of connectable indoor units ^{*2}			Maximum number of connectable indoor units	
				Combination (%) ^{*2}				
				50%	100%	130%		
RXQ6TY1	16.0	6	150	75	150	195	9	
RXQ8TY1	22.4	8	200	100	200	260	13	
RXQ10TY1	28.0	10	250	125	250	325	16	
RXQ12TY1	33.5	12	300	150	300	390	19	
RXQ14TY1	40.0	14	350	175	350	455	22	
RXQ16TY1	45.0	16	400	200	400	520	26	
RXQ18TY1	50.0	18	450	225	450	585	29	
RXQ20TY1	56.0	20	500	250	500	650	32	

Note: *1 Only single outdoor unit (RXQ6-20TY1) can be connected.

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

Option List

VRV Indoor Units

For connection of only VRV indoor units

Ceiling Mounted Cassette (Round Flow with Sensing) Type

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				KAFP555B160				
		Replacement ultra long-life filter				KAFP55H160H				
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				KDJP55B160
7	Insulation kit for high humidity					KDTP55K80				KDTP55K160

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				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				KAFP555B160				
		Replacement ultra long-life filter				KAFP55H160H				
5	Fresh air intake kit	Chamber type	Without T joint-pipe and fan			KDDQ55B160				
			With T joint-pipe without fan			KDDP55B160K				
		Direct installation type				KDDP55X160				
6	Branch duct chamber					KDJP55B80				KDJP55B160
7	Chamber connection kit					KKSJ55KA160				
8	Insulation kit for high humidity					KDTP55K80				KDTP55K160

Ceiling Mounted Cassette (Compact Multi Flow) Type

No.	Item	Type	FXZQ20M	FXZQ25M	FXZQ32M	FXZQ40M	FXZQ50M
1	Decoration panel					BYFQ60B3W1	
2	Sealing material of air discharge outlet					KDBH44BA60	
3	Panel spacer					KDBQ44BA60A	
4	Replacement long-life filter					KAFQ441BA60	
5	Fresh air intake kit	Direct installation type				KDDQ44XA60	

Ceiling Mounted Cassette (Double Flow) Type

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

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

Ceiling Mounted Cassette Corner Type

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

Slim Ceiling Mounted Duct Type (Standard Series)

No.	Item	Type	FXDQ20PB	FXDQ25PB	FXDQ32PB	FXDQ40NB	FXDQ50NB	FXDQ63NB
1	Insulation kit for high humidity			KDT25N32		KDT25N50		KDT25N63

Middle Static Pressure Ceiling Mounted Duct Type

No.	Item	Type	FXSQ20P FXSQ25P FXSQ32P	FXSQ40P	FXSQ50P FXSQ63P FXSQ80P	FXSQ100P FXSQ125P	FXSQ140P
1	High efficiency filter *1	65%	KAFP632B36	KAFP632B56	KAFP632B80	KAFP632B160	KAF632B160B
		90%	KAFP633B36	KAFP633B56	KAFP633B80	KAFP633B160	KAF633B160B
2	Filter chamber (for rear suction) *1		KDDFP63B36	KDDFP63B56	KDDFP63B80	KDDFP63B160	KDDFP63B160B
3	Long-life filter *1		KAFP631B36	KAFP631B56	KAFP631B80	KAFP631B160	KAF631B160B
4	Service panel	White	KTBJ25K36W	KTBJ25K56W	KTBJ25K80W	KTBJ25K160W	
		Fresh white	KTBJ25K36F	KTBJ25K56F	KTBJ25K80F	KTBJ25K160F	
		Brown	KTBJ25K36T	KTBJ25K56T	KTBJ25K80T	KTBJ25K160T	
5	Air discharge adaptor		KDAP25A36A	KDAP25A56A	KDAP25A71A	KDAP25A140A	KDAP25A160A
6	Shield plate for side plate			KDBD63A160			—

Note: *1. If installing high efficiency filter and long-life filter to the unit, filter chamber is required.

Ceiling Mounted Duct Type

No.	Item	Type	FXMQ20P FXMQ25P FXMQ32P	FXMQ40P	FXMQ50P FXMQ63P FXMQ80P	FXMQ100P FXMQ125P FXMQ140P	FXMQ200MV FXMQ250MV
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	

4-Way Flow Ceiling Suspended Type

No.	Item	Type	FXUQ71A	FXUQ100A
1	Sealing material of air discharge outlet			KDBHP49B140
2	Decoration panel for air discharge			KDBTP49B140
3	Replacement long-life filter			KAFP551K160

Ceiling Suspended Type

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

Wall Mounted Type

No.	Item	Type	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

Option List

VRV Indoor Units

For connection of only VRV indoor units

Floor Standing Duct Type

No.	Item	Type	FXVQ125N	FXVQ200N	FXVQ250N	FXVQ400N	FXVQ500N
1	Replacement long life filter	KAFJ261L140	KAFJ261L224	KAFJ261L280	KAFJ261M450	KAFJ261M560	Discharge and Suction
2	Ultra long-life filter			—	KAFSJ9A400	KAFSJ9A560	
3	Front suction base flange	KD-9A140	KD-9A200	KD-9A280	KD-9A400	KD-9A560	
4	Suction grille	KDGF-9A140	KDGF-9A200	KDGF-9A280	KDGF-9A400	KDGF-9A560	
5	Filter chamber for high efficiency filter	Filter chamber *1, 2, 3	KAF-91A140	KAF-91A200	KAF-91A280	KAF-91A400	KAF-91A560
6	for high efficiency filter	Replacement high efficiency filter *1, 2, 3	KAF-92A140	KAF-92A200	KAF-92A280	KAF-92A400	KAF-92A560
7		65% *1, 3	KAF-93A140	KAF-93A200	KAF-93A280	KAF-93A400	KAF-93A560
8		90% *2, 3	KAF-94A140	KAF-94A200	KAF-94A280	KAF-94A400	KAF-94A560
9	filter *1, 2	Filter chamber *1, 2	KDDF-9A140	KDDF-9A200	KDDF-9A280	KDDF-9A400	KDDF-9A560
10	Plenum chamber *4	KPCJ140A	KPC5J	KPC8J	KPCJ400A	KPCJ5JA	
11	Pulley for plenum chamber *4	KPP8JA	KPP9JA	KPP10JA	- * 5		
12	Fresh air intake kit		KD106D10			KD101A20	
13	Rear suction kit	KDFJ905A140	KDFJ905A200	KDFJ905A280		KDFJ906A560	
14	Discharge grille for plenum side		KD101A10			KDFJ905A400	KDFJ905A560
15	Wood base	KKWJ9A140	KWF1G5P	KWF1G8P	KKWJ9A400	KWF1G15	
	Vibration isolating frame	K-ABSG1406A	K-ABSG1407A	K-ABSG1408A	K-ABSG1409A	K-ABSG1410A	

Notes: *1. When ordering a filter chamber for high efficiency filter (65%), please order with all the respective parts.

*2. When ordering a filter chamber for high efficiency filter (90%), please order with all the respective parts.

*3. When replacing with a new filter, please order the replacement filters with the corresponding filter model name.

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

*5. The pulley and V belt are field supply.

	Specification	
	Pulley	V belt
FXVQ400NY1	B151	B40
FXVQ500NY1	B143	B39

Residential Indoor Units with connection to BP units

Ceiling Mounted Cassette Type

No.	Item	Type	FCQ35BVE	FCQ50BVE	FCQ60BVE	FCQ71BVE
1	Decoration panel		BYC125K-W1			
2	Panel spacer		KDBP55H160WA			
3	Fresh air intake kit	Chamber type	Without T-shaped pipe and fan*1	KDDP55D160		
			With T-shaped pipe, without fan*2	KDDP55D160K		
	Direct installation type*3			KDDJ55X160		
4	High-efficiency filter	(Colourimetric method 65%)		KAFP556D80		
		(Colourimetric method 90%)		KAFP557D80		
5	Replacement high-efficiency filter	(Colourimetric method 65%)		KAFP552H80		
		(Colourimetric method 90%)		KAFP553H80		
6	High-efficiency filter chamber			KDDF55DA160		
7	Replacement long-life filter			KAF551KA160		
8	Branch duct chamber			KDJ55K80		

Notes: *1. With a suction chamber. Fresh air intake is from 2 holes on the sides of the connection chamber. (This method should be selected if a wireless remote controller is used.)

*2. Without a suction chamber. Fresh air intake is from 2 holes on the connection chamber via a T-shaped pipe connection. (A wireless remote controller cannot be used in this case.)

*3. Without a suction chamber. Fresh air intake is directly from a hole on the main unit.

Ceiling Mounted Cassette (Compact Multi Flow) Type

No.	Item	Type	FFQ25BV1B	FFQ35BV1B	FFQ50BV1B	FFQ60BV1B
1	Decoration panel		BYFQ60B8W1			
2	Replacement long-life filter		KAFQ441BA60			
3	Fresh air intake kit	Direct installation type	KDDQ44XA60			
4	Sealing member for air discharge outlet		KDBH44BA60			
5	Panel spacer		KDBQ44BA60A			

Ceiling Mounted Built-in Type

No.	Item	Type	FBQ60BV1	FBQ71BV1	
1	Decoration panel		BYBS71DJW1		
2	Service access panel		KTBJ25L80W		
3	High-efficiency filter	(Colourimetric method 65%) (Colourimetric method 90%)	KAF252LA80 KAF253LA80		
4	Replacement long-life filter	Resin net	KAFJ251K80		
5	Filter chamber for bottom suction		KAJ25LA80D		
6	Filter chamber for rear suction		KAJ25LA80B		
7	Canvas duct		KSA-25KA80		
8	Discharge grille	ø150 ø200	K-DG5DW K-DG9DW		
9	Discharge chamber	ø150 ø200	K-DGC5D K-DGC9D		
10	Replacement long-life filter	ø150 → ø200	K-DDV20A		
11	Flexible duct	ø150 ø200	K-FDS151C(1m)/K-FDS152C(2m)/K-FDS153C(3m)/K-FDS154C(4m)/K-FDS155C(5m)/K-FDS156C(6m) K-FDS201C(1m)/K-FDS202C(2m)/K-FDS203C(3m)/K-FDS204C(4m)/K-FDS205C(5m)/K-FDS206C(6m)		
12	Blind board		KBBJ25KA80		
13	Adaptor for discharge		KDAJ25K71		
14	Flange for suction		KDJ2507K80		

Slim Ceiling Mounted Duct Type

No.	Item	Type	FDKS25EAVMB	FDKS35EAVMB	FDKS25CAVMB	FDKS35CAVMB	FDKS50CVMB	FDKS60CVMB
1	Suction grille					KDGF19A45		
2	Insulation kit for high humidity		KDT25N32		KDT25N50		KDT25N63	

Wall Mounted Type

No.	Item	Type	FTKS25DVM	FTKS35DVM	FTKS50BVMA	FTKS50FVM	FTKS60FVM	FTKS71FVM
1	Titanium apatite photocatalytic air-purifying filter		KAF970A46	KAF952A42		KAF952B42		

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

Wall Mounted Type

No.	Item	Type	FTKJ25NVMMW FTKJ25NVMMMS	FTKJ35NVMMW FTKJ35NVMMMS	FTKJ50NVMMW FTKJ50NVMMMS
1	Titanium apatite photocatalytic air-purifying filter		KAF970A46		

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

BP Units for connection to residential indoor units

No.	Item	Type	BPMKS967A2	BPMKS967A3
1	REFNET joint		KHRP26A22T	

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

Option List

Outdoor Units

High-COP Type

Optional Accessories		RXQ12THY1(E) RXQ14THY1(E) RXQ16THY1(E)
Distributive piping	REFNET header	KHRP26M22H, KHRP26M33H, KHRP26M72H (Max. 4 branch) (Max. 8 branch) (Max. 8 branch)
	REFNET joint	KHRP26A22T, KHRP26A33T, KHRP26A72T
Outdoor unit multi connection piping kit		BKG26A12x2
Protection net	Left	BKG26A20Lx2
	Right	BKG26A20Rx2
	Back	BKG26A12Bx2

Optional Accessories		RXQ18THY1(E) RXQ20THY1(E) RXQ22THY1(E)	RXQ24THY1(E) RXQ26THY1(E) RXQ28THY1(E) RXQ30THY1(E) RXQ32THY1(E)	RXQ34THY1(E)
Distributive 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, KHRP26A33T, KHRP26A72T	KHRP26A22T, KHRP26A33T, KHRP26A72T, KHRP26A73T	
Pipe size reducer		—		KHRP26M73TP, KHPR26M73HP
Outdoor unit multi connection piping kit				BHFP22P151
Protection net	Left	BKG26A20Lx3		BKG26A20Lx3
	Right	BKG26A20Rx3		BKG26A20Rx3
	Back	BKG26A12Bx3		BKG26A12Bx2 BKG26A20Bx1

Optional Accessories		RXQ36THY1(E)	RXQ38THY1(E)	RXQ40THY1(E)	RXQ42THY1(E) RXQ44THY1(E) RXQ46THY1(E) RXQ48THY1(E) RXQ50THY1(E)
Distributive 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, KHPR26M73HP			
Outdoor unit multi connection piping kit		BHFP22P151			
Protection net	Left	BKG26A20Lx3	BKG26A20Lx3	BKG26A20Lx3	BKG26A20Lx3
	Right	BKG26A20Rx3	BKG26A20Rx3	BKG26A20Rx3	BKG26A20Rx3
	Back	BKG26A12Bx1 BKG26A20Bx2	BKG26A12Bx2 BKG26A20Bx1	BKG26A12Bx1 BKG26A20Bx2	BKG26A20Bx3

Standard Type

Optional Accessories		RXQ6TY1(E) RXQ8TY1(E) RXQ10TY1(E)	RXQ12TY1(E)	RXQ14TY1(E) RXQ16TY1(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	
Protection net	Left	BKG26A20L		BKG26A20L
	Right	BKG26A20R		BKG26A20R
	Back	BKG26A12B		BKG26A20B

Optional Accessories		RXQ18TNY1(E) RXQ20TNY1(E)	RXQ22TNY1(E)	RXQ24TNY1(E) RXQ26TNY1(E)	RXQ28TNY1(E) RXQ30TNY1(E) RXQ32TNY1(E)
Distributive piping	REFNET header	KHRP26M22H, KHRP26M33H, (Max. 4 branch) (Max. 8 branch) KHRP26M72H (Max. 8 branch)		KHRP26M22H, KHRP26M33H, (Max. 4 branch) (Max. 8 branch) KHRP26M72H, KHRP26M73H (Max. 8 branch) (Max. 8 branch)	
	REFNET joint	KHRP26A22T, KHRP26A33T, KHRP26A72T		KHRP26A22T, KHRP26A33T, KHRP26A72T, KHRP26A73T	
Pipe size reducer		—		KHRP26M73TP, KHPR26M73HP	
Outdoor unit multi connection piping kit				BHFP22P100	
Protection net	Left	BKG26A20Lx2	BKG26A20Lx2		BKG26A20Lx2
	Right	BKG26A20Rx2	BKG26A20Rx2		BKG26A20Rx2
	Back	BKG26A12Bx2		BKG26A12Bx1 BKG26A20Bx1	BKG26A20Bx2

Optional Accessories		RXQ34TNY1(E) RXQ36TNY1(E)	RXQ38TNY1(E) RXQ40TNY1(E)	RXQ42TNY1(E) RXQ44TNY1(E)	RXQ46TNY1(E) RXQ48TNY1(E) RXQ50TNY1(E) RXQ52TNY1(E) RXQ54TNY1(E) RXQ56TNY1(E) RXQ58TNY1(E) RXQ60TNY1(E)		
Distributive 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		BHFP22P151				
Outdoor unit multi connection piping kit							
Protection net	Left	BKG26A20Lx3	BKG26A20Lx3	BKG26A20Lx3	BKG26A20Lx3		
	Right	BKG26A20Rx3	BKG26A20Rx3	BKG26A20Rx3	BKG26A20Rx3		
	Back	BKG26A12Bx3	BKG26A12Bx2 BKG26A20Bx1	BKG26A12Bx1 BKG26A20Bx2	BKG26A20Bx3		

Space Saving Type

Optional Accessories		RXQ18TY1(E) RXQ20TY1(E)		
Disinbutive piping	REFNET header	KHRP26M22H, KHRP26M33H, KHRP26M72H (Max.4 branch) (Max.8 branch) (Max.8 branch)		
	REFNET joint	KHRP26A22T, KHRP26A33T, KHRP26A72T		
Protection net	Left	BKG26A20L		
	Right	BKG26A20R		
	Back	BKG26A20B		

Optional Accessories		RXQ22TSY1(E)	RXQ24TSY1(E)	RXQ26TSY1(E) RXQ28TSY1(E) RXQ30TSY1(E) RXQ32TSY1(E)	RXQ34TSY1(E) RXQ36TSY1(E) RXQ38TSY1(E) RXQ40TSY1(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			
Protection net	Left	BKG26A20Lx2	BKG26A20Lx2	BKG26A20Lx2	BKG26A20Lx2	
	Right	BKG26A20Rx2	BKG26A20Rx2	BKG26A20Rx2	BKG26A20Rx2	
	Back	BKG26A12Bx2	BKG26A12Bx1 BKG26A20Bx1	BKG26A12Bx1 BKG26A20Bx2	BKG26A20Bx2	

Optional Accessories		RXQ42TSY1(E) RXQ44TSY1(E)	RXQ46TSY1(E) RXQ48TSY1(E) RXQ50TSY1(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		
Protection net	Left	BKG26A20Lx3	BKG26A20Lx3
	Right	BKG26A20Rx3	BKG26A20Rx3
	Back	BKG26A12Bx2 BKG26A20Bx1	BKG26A12Bx1 BKG26A20Bx2

Control Systems

Individual Control Systems for VRV Indoor Units

Navigation remote controller (Wired remote controller) (Option)

New

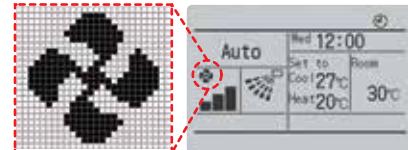


BRC1E62

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.



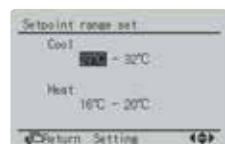
• Guide on display

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

Energy saving

• Setpoint range set New

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



• Setpoint auto reset

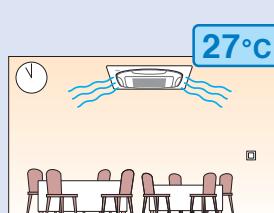
- Even if the set temperature is changed, it returns to the preset temperature after a preset period of time.
- Period selectable from 30 min/60 min/90 min/120 min.



Restaurant sample

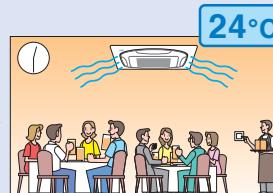
Restaurant opened

Temperature is set to 27°C



Full tables at lunchtime

Then is lowered to 24°C for crowded room



After 30 minutes*

Automatically returns to preset temperature (27°C)

Returns to
27°C
automatically

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

• Off timer

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

Convenience

•Setback (default:OFF) **New**

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

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

	Setback temperature	Recovery differential
Cooling	33 — 37°C	-2 — -8°C

•Weekly schedule

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

Schedule no. 1	
Time	Act. Cool Heat
Mon 8:30	ON 25°C —
10:00	OFF — —
13:00	ON 25°C —
15:00	OFF — —
—	— —
Return Setting	40F

College classroom sample (a summer Monday case)

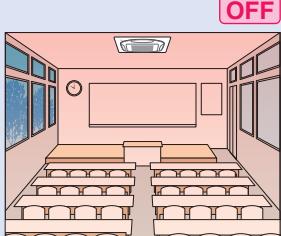
1) 8:30 ON

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

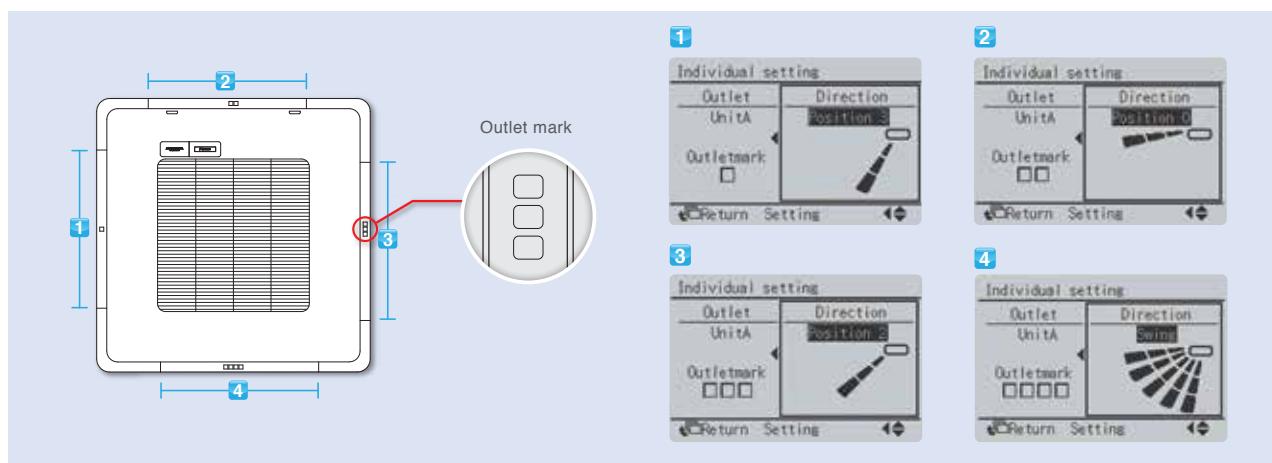
After the third period, the classroom becomes vacant again and the air conditioner stops.



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**

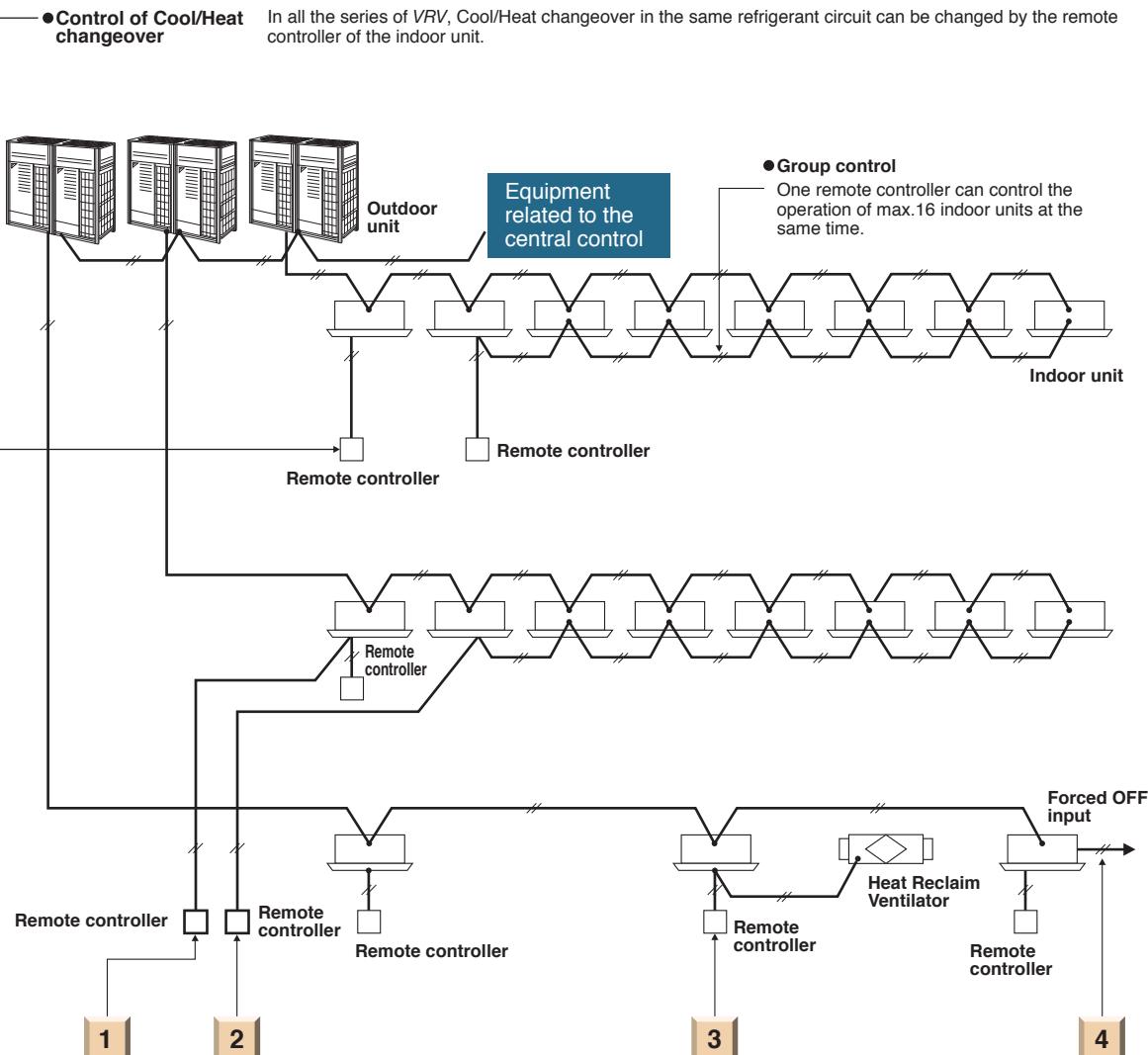
Airflow rate is automatically controlled in accordance with the difference between room temperature and set temperature.

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

Control Systems

Individual Control Systems for VRV Indoor Units

The wired remote controller supports a wide range of control functions



1 Control by two remote controller

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

2 Remote control

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

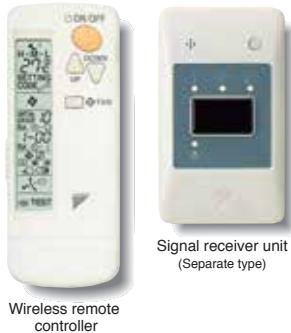
3 Control for the combined operation

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

4 Expansion of system control

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

Wireless remote controller (Option)



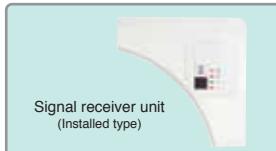
Wireless remote controller

* Wireless remote controller and signal receiver unit are sold as a set.
* Refer to page 85 for the name of each model.

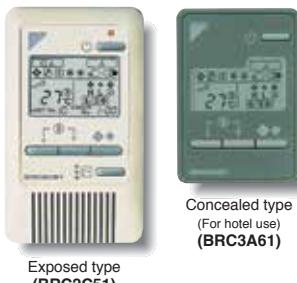
- The same operation modes and settings as with wired remote controllers are possible.
 - * Individual airflow direction, auto airflow rate and sensing sensor control can be set only via wired remote controller BRC1E62. Cannot be set via other remote controllers.
- A compact signal receiver unit (separate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



Simplified wired remote controller (Option)



Exposed type
(BRC2C51)

Concealed type
(For hotel use)
(BRC3A61)

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



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

Wide variation of remote controllers for VRV indoor units

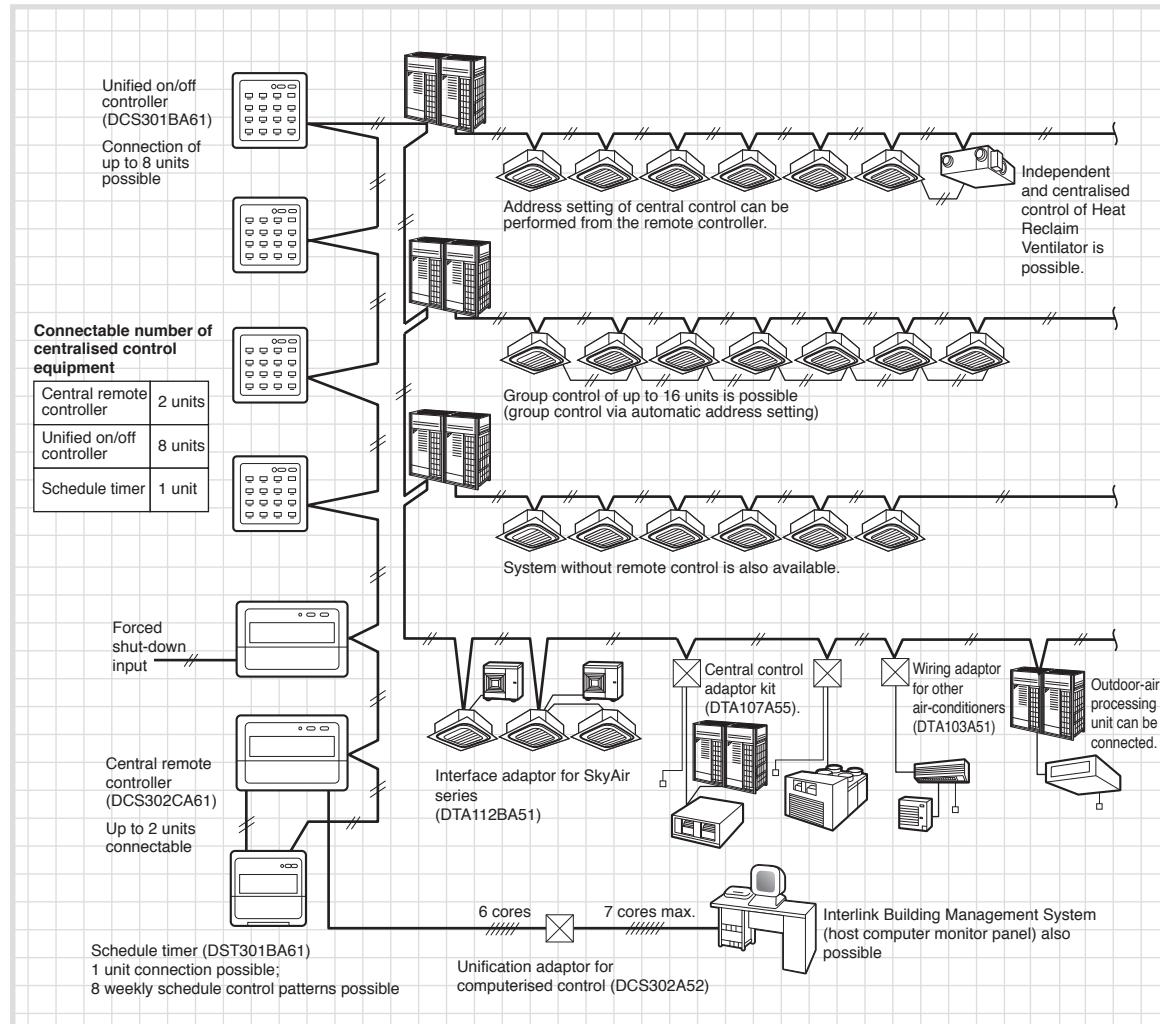
	FXFQ-S	FXFQ-LU	FXZQ	FXCQ	FXUQ	FXKQ	FXDQ	FXMQ	FXHQ	FXAQ	FXL(N)Q	FXVQ
Navigation remote controller (Wired remote controller) (BRC1E62)	●	●	●	●	●	●	●	●	●	●	●	●
Wireless remote controller* (Installed type signal receiver unit)	●	●	●	●	●				●	●		
Wireless remote controller* (Separate type signal receiver unit)						●	●	●			●	
Simplified wired remote controller (Exposed type) (BRC2C51)						●	●	●			●	
Simplified wired remote controller (Concealed type: for Hotel use) (BRC3A61)						●	●			●		

*Refer to page 85 for the name of each model.

Control Systems

Centralised Control Systems for VRV Indoor Units

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



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

Residential central remote controller* (Option)



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

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

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

Central remote controller (Option)



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

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

Unified ON/OFF controller (Option)



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

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

Schedule timer (Option)



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

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

Control Systems

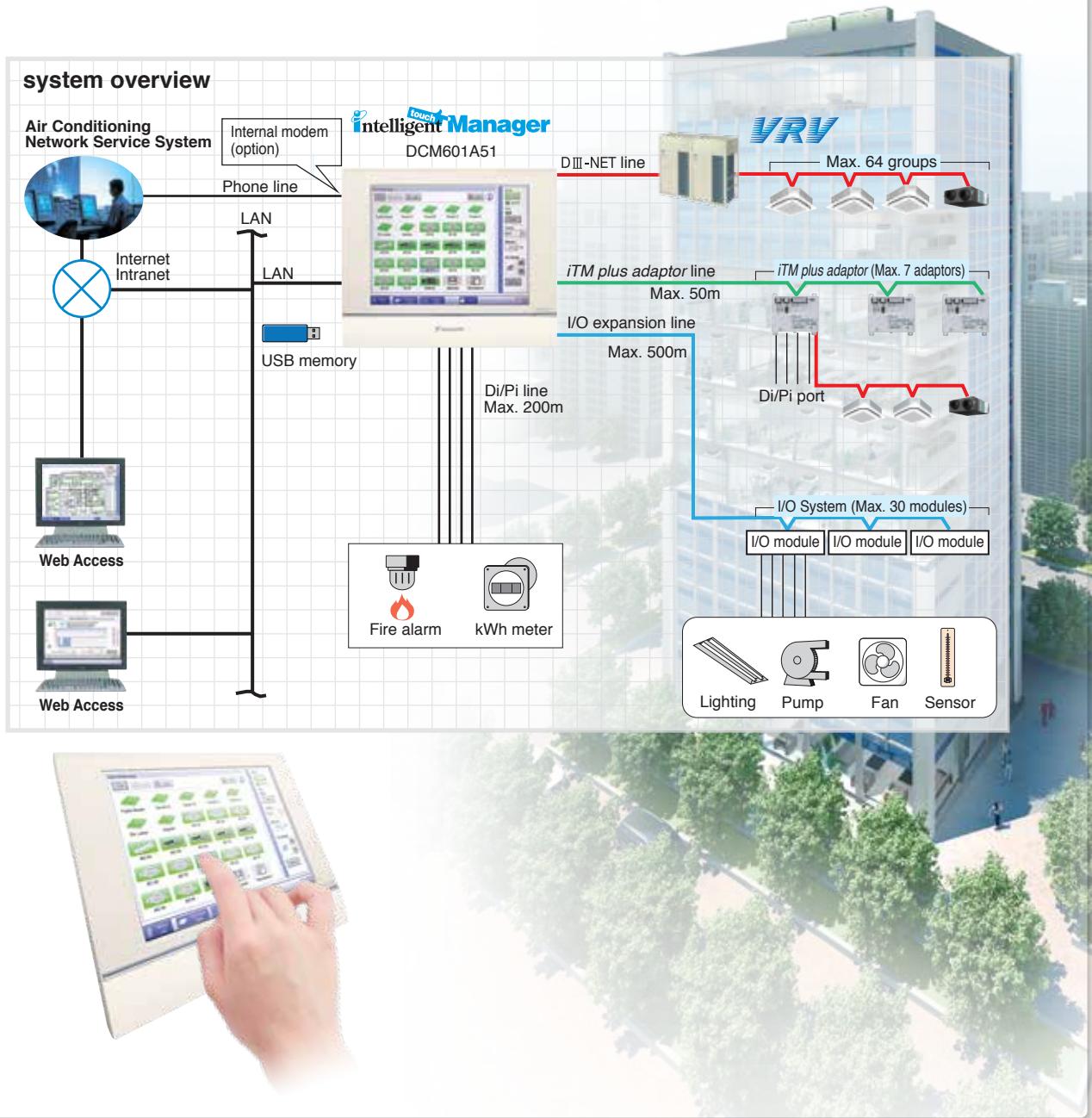
Advanced Control Systems for VRV Indoor Units



One touch selection to total air comfort

Daikin proudly introduces its *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 air conditioning units.



Remote access

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

Automatic control

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

Energy management

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



Troubleshooting

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

Scalability

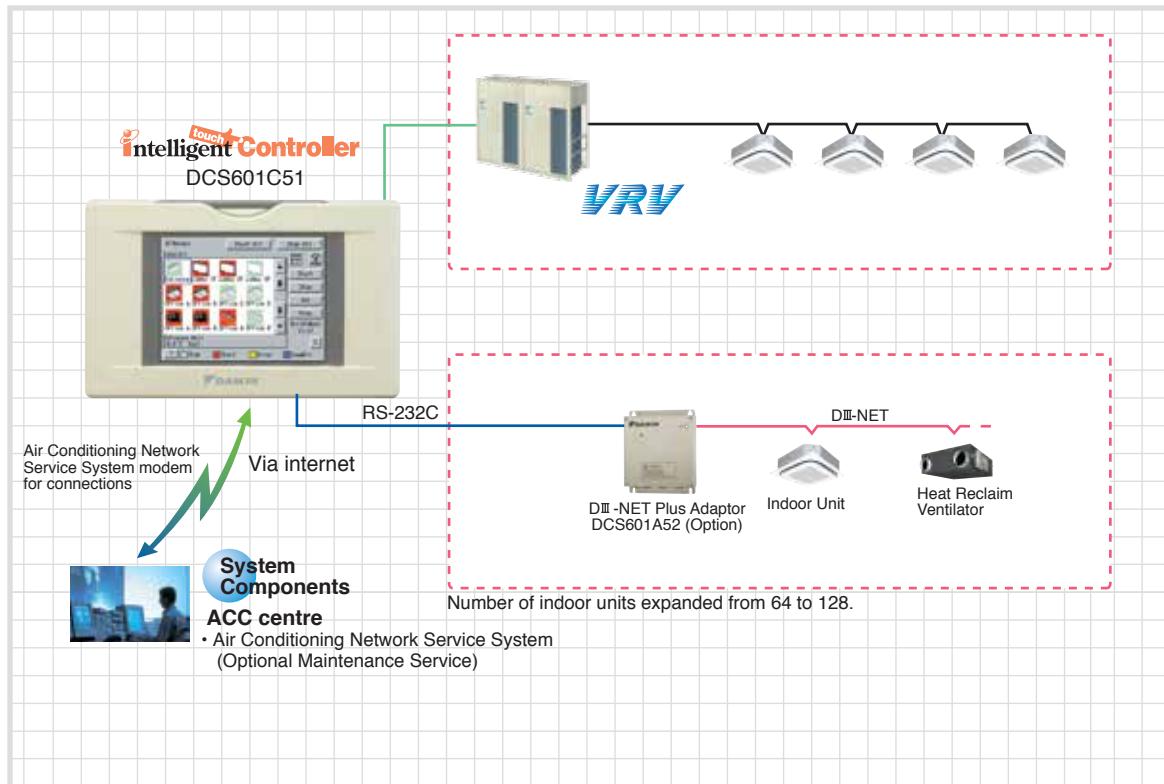
- A single *intelligent Touch Manager* can manage a small building or be expanded to handle medium- to large-sized buildings.

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.



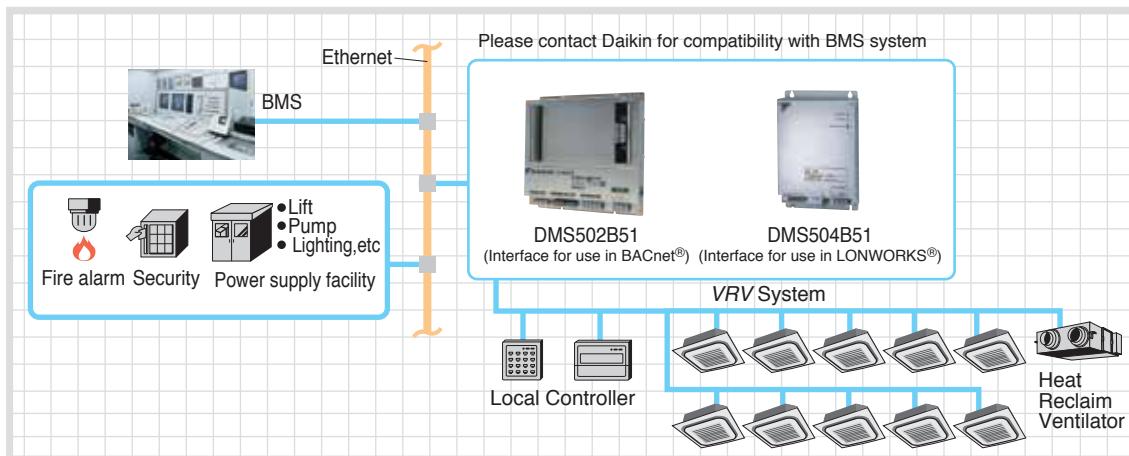
Features

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



Interface for BACnet® and LONWORKS®

Integrated control systems that recognise the trend of open control systems



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

DMS502B51 Interface for use in BACnet®

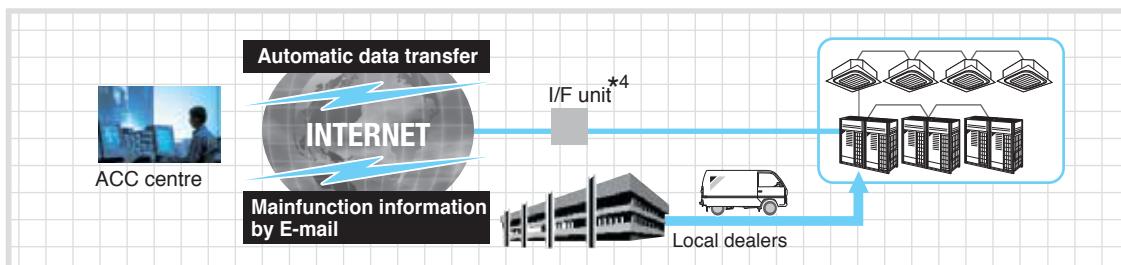
- Support for Heat Reclaim Ventilator VAM series
- Selectable temperature unit
- BTL Certification
- PPD data (Optional Di board is required.)
- ISO 16484-5 (Does not support IEEE 802.3 protocol for BACnet®)
- Up to 40 outdoor units and 256 indoor unit groups on one gateway (optional adaptor)

DMS504B51 Interface for use in LONWORKS®

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

Air Conditioning Network Service System

Maintenance services that boost profits and customer satisfaction



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

*1. Model name varies upon the system size.

*2. BACnet® is a registered trademark of American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE).

*3. LonWorks® is a trademark of Echelon Corporation registered in the United States and other countries.

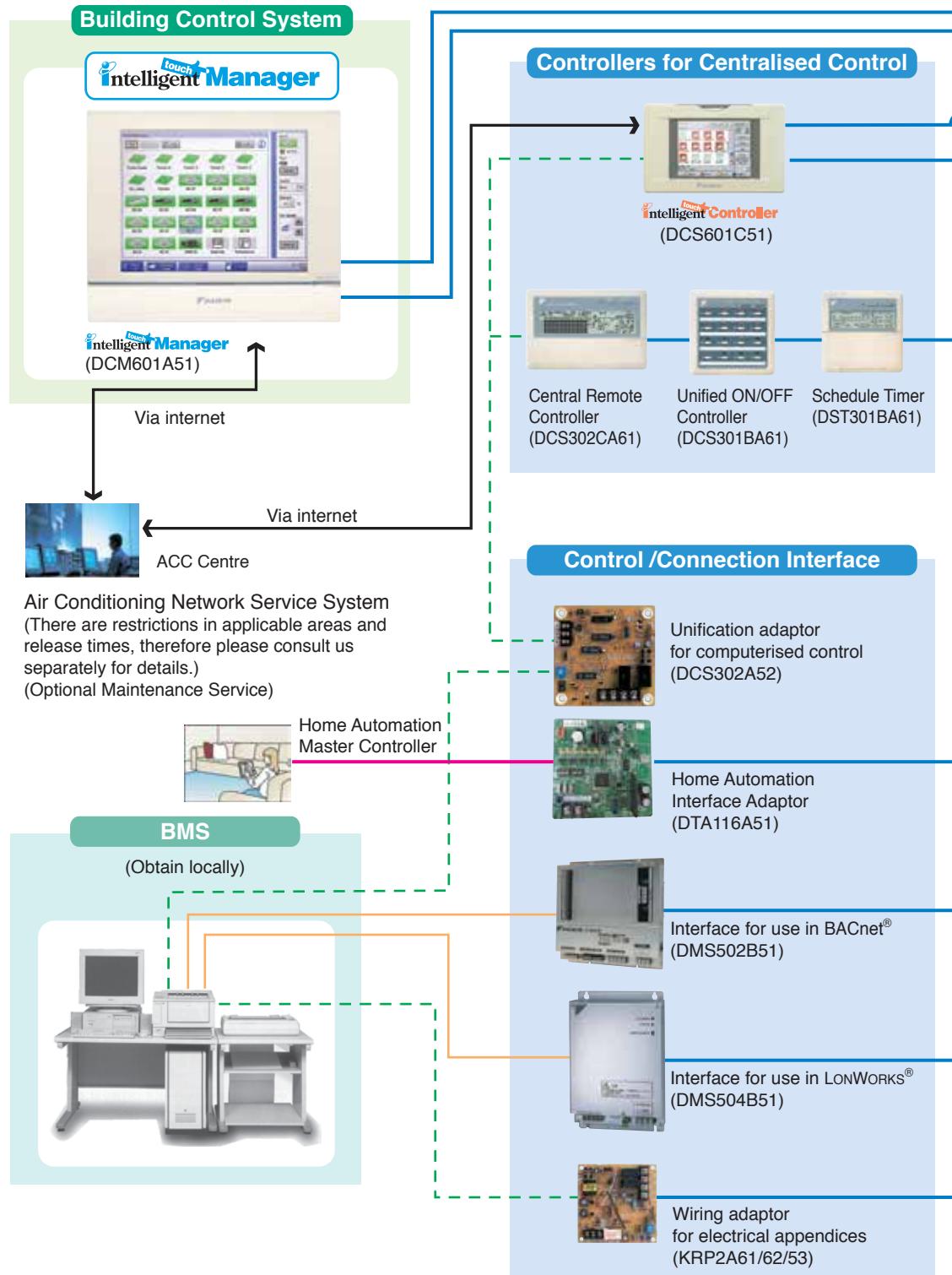
*4. For an I/F unit, one of the following can be selected: **Local Controller**, intelligent touch Controller, or intelligent touch Manager.

*5. Refer to the Options page for the name of each model.

Control Systems

Integrated Building Monitoring System

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



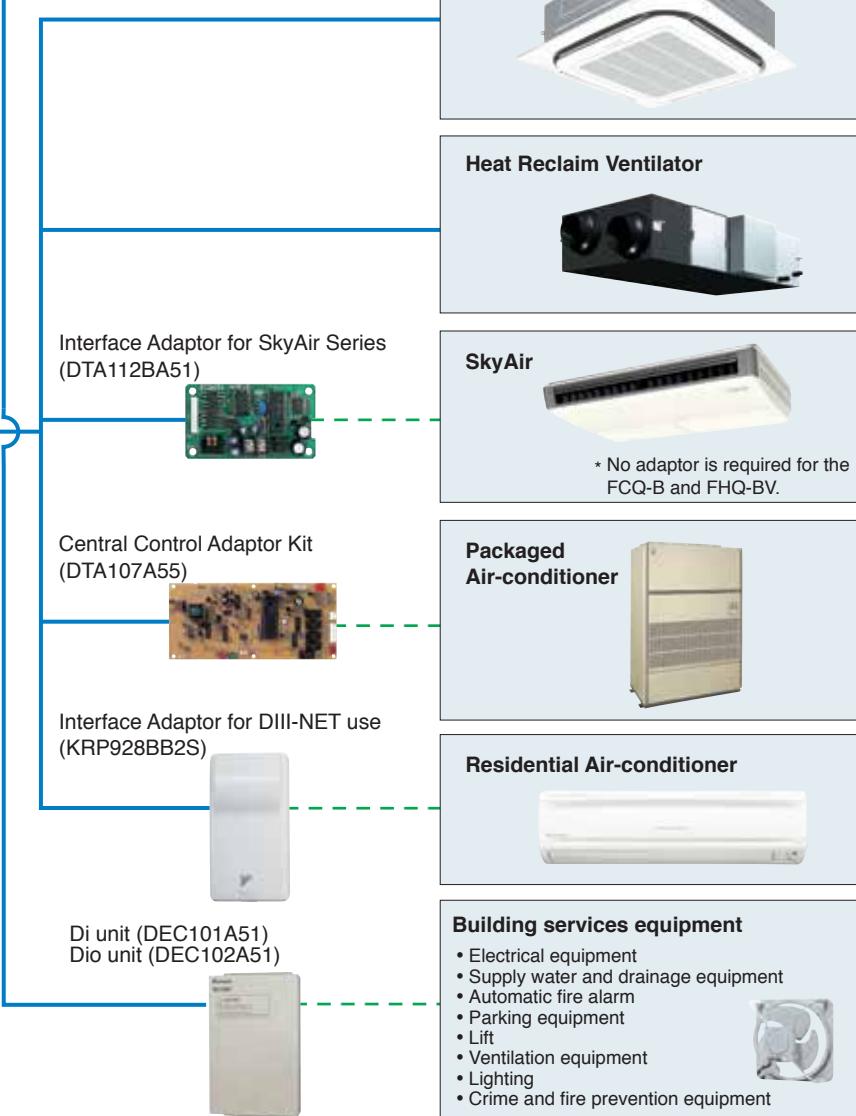
- DIII-NET Line
- BACnet®/Ethernet or LONWORKS® Network Communication Line
- - - Contact Signal Line
- RS485 Modbus Line

DIII-NET (High Speed Multiple Transmission)

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

The DIII-NET system provides for:

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



VRV



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	FXCQ-M	FKKQ-MA	FXDQ-PB FXDQ-NB	FXDQ-SP
1	Wireless remote controller		BRC7F635F	BRC7E531W	BRC7C67	BRC4C63		BRC4C66	
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	
5	Remote controller for hotel use (Concealed type)				—			BRC3A61	
6	Adaptor for wiring	★KRP1C63	★KRP1BA57	★KRP1B61	KRP1B61	★KRP1B56		—	
7-1	Wiring adaptor for electrical appendices (1)	★KRP2A62	★KRP2A62	★KRP2A61	KRP2A61	★KRP2A53		—	
7-2	Wiring adaptor for electrical appendices (2)	★KRP4AA53	★KRP4AA53	★KRP4AA51	KRP4AA51	★KRP4A54		—	
8	Remote sensor (for indoor temperature)	KRCS01-4B	KRCS01-1B			KRCS01-1B			
9	Installation box for adaptor PCB★	Note 2, 3 KRP1H98	Note 4, 6 KRP1BA101	Note 2, 3 KRP1B96	—	Note 4, 6 KRP1BA101		—	
10	External control adaptor for outdoor unit	★DTA104A62	★DTA104A62	★DTA104A61	DTA104A61	★DTA104A53		—	
11	Adaptor for multi tenant	★DTA114A61			—				

No.	Item	Type	FXSQ-P	FXMQ-P	FXMQ-MV	FXUQ-A	FXHQ-MA	FXAQ-P	FXLQ-MA FXNQ-MA	FXVQ-N
1	Wireless remote controller		BRC4C66	BRC4C64	BRC7CB59	BRC7EA66	BRC7EA619	BRC4C64	—	
2	Navigation remote controller (Wired remote controller)				BRC1E62 Note 7				BRC1E62 Note 8	
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	—	★KRP2A62	★KRP2A61	KRP2A61	KRP2A62		
7-2	Wiring adaptor for electrical appendices (2)	★KRP4AA51	KRP4AA51	★KRP4AA53	★KRP4AA52	★KRP4AA51	KRP4AA51	—		
8	Remote sensor (for indoor temperature)	KRCS01-4B	KRCS01-1B	KRCS01-4B		KRCS01-1B				
9	Installation box for adaptor PCB★	Notes 2, 3 KRP4A98	Notes 2, 3 KRP4A96	—	KRP1BA97	Note 3 KRP1CA93	Note 1 KRP4AA93		—	
10	External control adaptor for outdoor unit	★DTA104A61	DTA104A61	—	★DTA104A62	★DTA104A61	DTA104A61	Note 9 DTA104A62		
11	Adaptor for multi tenant	★DTA114A61		—		★DTA114A61				
12	External control adaptor for cooling/heating			—					KRP6A1 Note 9	
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.
 Available functions depend on the type of indoor unit.
 8. When using BRC1E62, be sure to remove the control panel and since BRC1E62 cannot be stored inside the indoor unit, please place it separately.
 9. Remove the group control adaptor which is a standard equipment before mounting KRP6A1 and DTA104A62.
 KRP6A1 and DTA104A62 cannot be mounted to the same indoor unit at the same time.

For residential indoor unit use

No.	Item	Type	FCQ-B	FFQ-B	FBQ-B	FDKS-EA FDKS-C(A)	FTKS-D FTKS-B FTKS-F	FTKJ-N
1	Wired remote controller (Wired remote controller)	Note 1		BRC1C61			—	
2	Wireless remote controller		BRC7C613W	BRC7E531W	—		— Note 2	
3	Adaptor for wiring	Note 3 KRP1BA57	Note 4 KRP1BA57	KRP1BA54			—	
4	Wiring adaptor for electrical appendices	Note 3 KRP4AA53	Note 4 KRP4AA53	KRP4AA51			—	
5	Installation box for adaptor PCB	KRP1B98	KRP1BA101			—		
6	Remote sensor (for indoor temperature)	—	KRCS01-1B			—		
7	Wiring adaptor for time clock/remote controller Note 5 (Normal open pulse contact/normal open contact)			—		KRP413AB1S		
8	Remote controller loss prevention chain			—		KKF917A4	KKF910A4	

Notes: 1. Wiring for wired remote controller should be obtained locally.
 2. A wireless remote controller is a standard accessory for FDKS, FTKS and FTKJ models.
 3. Installation box for adaptor PCB (KRP1B98) is necessary.
 4. Installation box for adaptor PCB (KRP1BA101) is necessary.
 5. Time clock and other devices should be obtained locally.

System Configuration

No.	Item	Type	Model No.	Function
1	Residential central remote controller		Note 2 DCS303A51	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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 FDKS, FTKS, FTKJ	Note 3 KRC72A	<ul style="list-style-type: none"> 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 FDKS, FTKS, FTKJ	KRP928BB2S	<ul style="list-style-type: none"> 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 FCC-B, FFQ-B, FHQ-BV, FBQ-B	★DTA112BA51	<ul style="list-style-type: none"> * To use any of the above optional controllers, an appropriate adaptor must be installed on the product unit to be controlled.
8	Central control adaptor kit	For UAT(Y)-K(A), FD-K	★DTA107A55	
9	Wiring adaptor for other air-conditioner		★DTA103A51	
10	DIII-NET Expander Adaptor		DTA109A51	<ul style="list-style-type: none"> 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.

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

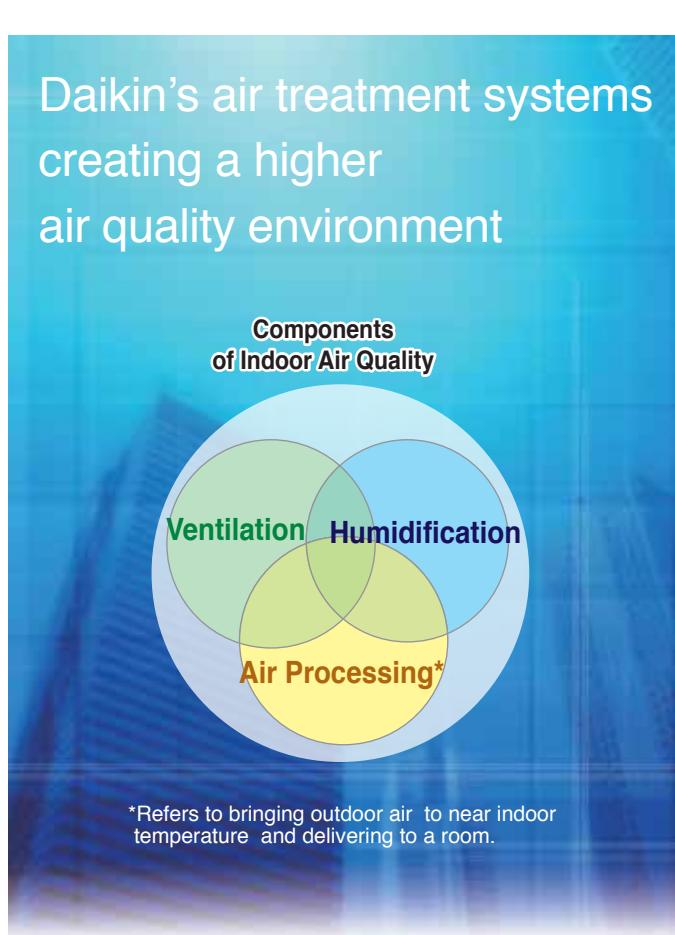
No.	Item				Model No.	Function		
1	intelligent Touch Controller	Basic	Hardware	intelligent Touch Controller	DCS601C51	<ul style="list-style-type: none"> Air-Conditioning management system that can be controlled by a compact all-in-one unit. 		
1-1		Option	Hardware	DIII-NET plus adaptor	DCS601A52	<ul style="list-style-type: none"> Additional 64 groups (10 outdoor units) is possible. 		
1-2	Electrical box with earth terminal (4 blocks)				KJB411A	<ul style="list-style-type: none"> Wall embedded switch box. 		
2	intelligent Touch Manager	Basic	Hardware	intelligent Touch Manager	DCM601A51	<ul style="list-style-type: none"> Air-conditioning management system that can be controlled by touch screen. 		
2-1		Hardware	Option	iTM plus adaptor	DCM601A52	<ul style="list-style-type: none"> Additional 64 groups (10 outdoor units) is possible. Max. 7 iTM plus adaptors can be connected to intelligent Touch Manager. 		
2-2				iTM power proportional distribution	DCM002A51	<ul style="list-style-type: none"> 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	DCM008A51	<ul style="list-style-type: none"> Building energy consumption is visualised. Wasted air-conditioning energy can be found out. 		
2-4								
2-5	Di unit				DEC101A51	<ul style="list-style-type: none"> 8 pairs based on a pair of ON/OFF input and abnormality input. 		
2-6	Dio unit				DEC102A51	<ul style="list-style-type: none"> 4 pairs based on a pair of ON/OFF input and abnormality input. 		
3	Communication interface	*1 Interface for use in BACnet®			DMS502B51	<ul style="list-style-type: none"> Interface unit to allow communications between VRV and BMS. Operation and monitoring of air-conditioning systems through BACnet® communication. 		
3-1		Optional DIII board			DAM411B51	<ul style="list-style-type: none"> Expansion kit, installed on DMS502B51, to provide 2 more DIII-NET communication ports. Not usable independently. 		
3-2		Optional Di board			DAM412B51	<ul style="list-style-type: none"> Expansion kit, installed on DMS502B51, to provide 16 more wattmeter pulse input points. Not usable independently. 		
4		*2 Interface for use in LONWORKS®			DMS504B51	<ul style="list-style-type: none"> Interface unit to allow communications between VRV and BMS. Operation and monitoring of air-conditioning systems through LonWorks® communication. 		
5		Home Automation Interface Adaptor			DTA116A51	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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



A recent trend rapidly gaining popularity is for air treatment to be required as well as air conditioning. Daikin's 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^{★2} enhanced performance of the thin film element. Furthermore, improved external static pressure 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 VRVIV	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/60 Hz	
Airflow Rate					150 m³/h
					250 m³/h
					350 m³/h
					500 m³/h
					650 m³/h
					800 m³/h
					1000 m³/h
	1080 m³/h				1000 m³/h
					1500 m³/h
					2000 m³/h

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

Air Treatment Equipment Lineup

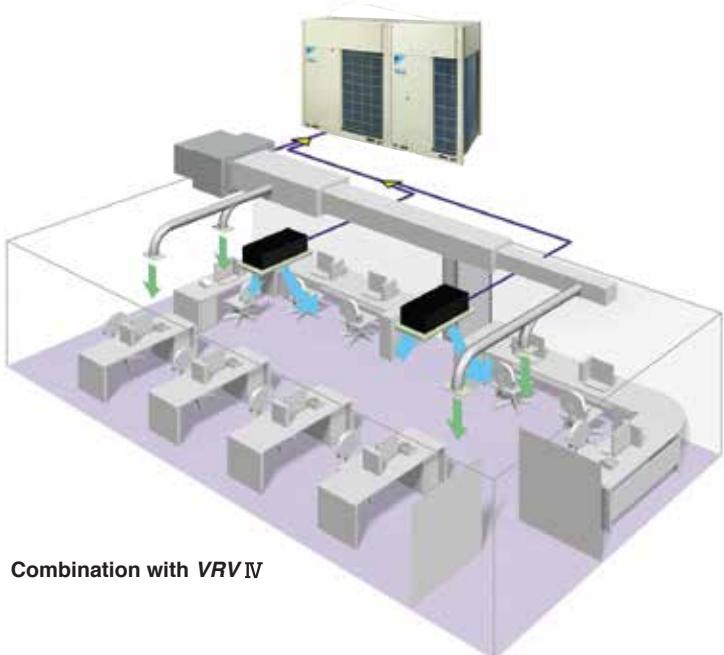
Outdoor-Air Processing Unit

50 Hz only
For outdoor units of 8 HP and above

Combine fresh air treatment and air conditioning, supplied from a single system.

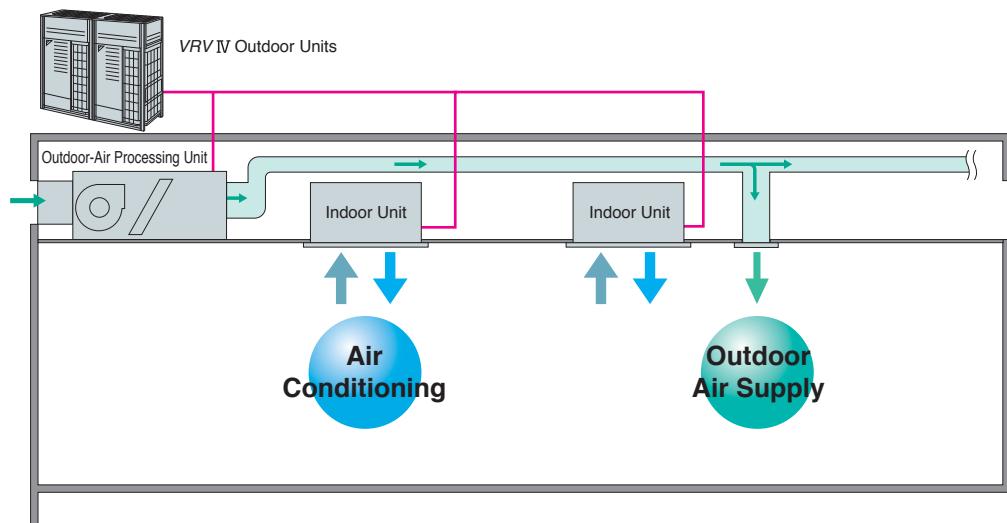
Line up

Model Name	FXMQ125MFV1	FXMQ200MFV1	FXMQ250MFV1
Capacity Index	125	200	250



Fresh air treatment and air conditioning can be achieved with a single system by using heat pump technology—without the usual troublesome air supply and air discharge balance design. Fan coil units for air conditioning 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.

Air conditioning 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.

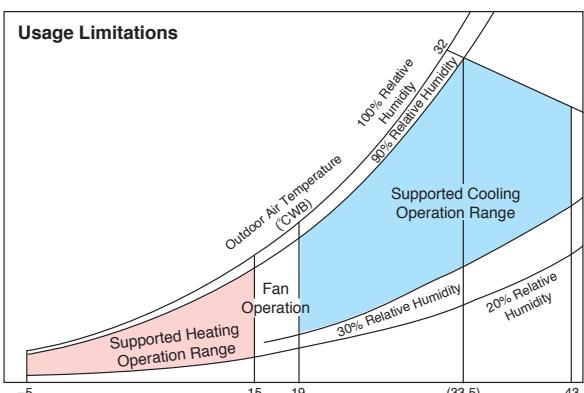
- When outdoor-air processing units are connected, the total connection capacity index must be 50% to 100% of the capacity index of the outdoor units.
- When outdoor-air processing units and standard indoor units are connected, the total connection capacity index of the outdoor-air processing units must 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 operation, and 18–30°C during heating operation, 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:

- 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
- 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.
- 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.

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



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

- 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.

- * 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.



DCS302CA61
Central remote controller
(option)

- 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

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	
Power consumption	kW	0.359	0.548	0.638	
Casing		Galvanised steel plate			
Dimensions (HXWxD)	mm	470X744X1,100	470X1,380X1,100		
Fan	Motor output	kW	0.380		
	Airflow rate	m³/min	18	28	
		cfm	635	988	
External static pressure	220 V/240 V	Pa	185/225	225/275	
Air filter		*2			
Refrigerant piping	Liquid	mm	φ 9.5 (flare)		
	Gas	mm	φ 15.9 (flare)	φ 19.1 (brazing)	
	Drain	mm	PS1B female thread		
Machine weight	kg	86	123		
Sound level *3	220 V/240 V	dB(A)	42/43	47/48	
Connectable outdoor units *5 *6		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 *7	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.

*7 This equipment cannot be incorporated into the remote group control of the VRV IV system.

Options

Indoor unit

Model		FXMQ125MFV1	FXMQ200MFV1	FXMQ250MFV1		
Operation/control	Operation remote controller		BRCE62			
	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	KAFJ372L140	KAFJ372L280			
		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.

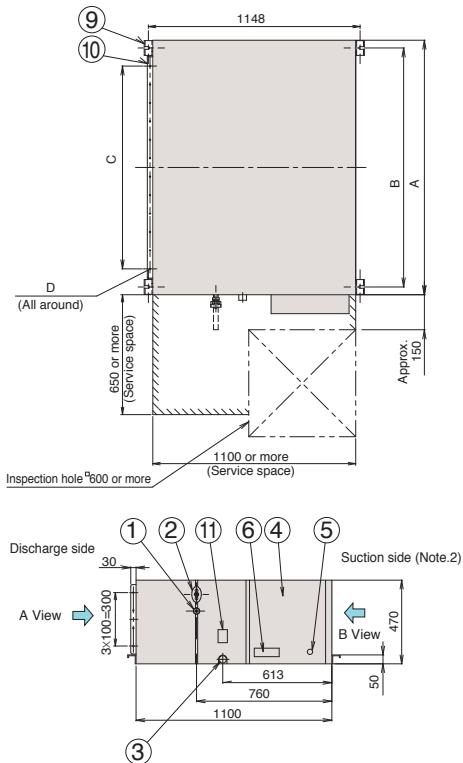
• Some options may not be usable due to the equipment installation conditions, so please confirm prior to ordering.

• Some options may not be used in combination.

• Operating sound may increase somewhat depending on the options used.

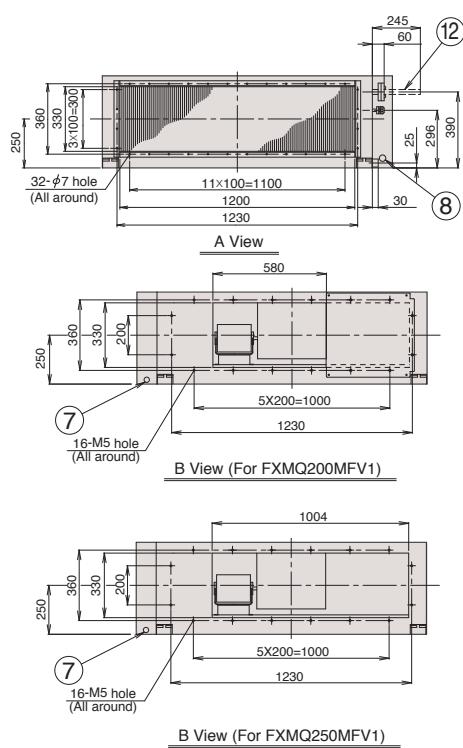
Dimensions

FXMQ125/200/250MFV1



*These diagrams are based on FXMQ200 and FXMQ250MFV1.

FXMQ200/250MFV1



Local connection piping size

Model	Gas piping diameter	Liquid piping diameter
FXMQ125MFV1	$\phi 15.9$	$\phi 9.5$
FXMQ200MFV1	$\phi 19.1$ attached piping	$\phi 9.5$
FXMQ250MFV1	$\phi 22.2$ attached piping	$\phi 9.5$

Table of dimensions

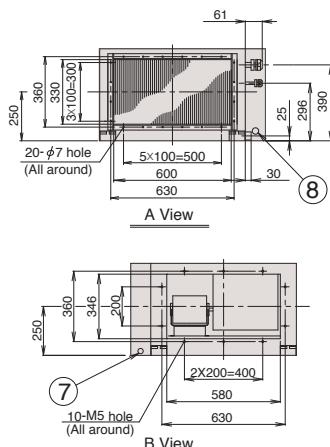
Model	A	B	C	D
FXMQ125MFV1	744	685	5X100=500	20- $\phi 4.7$ hole
FXMQ200MFV1	1380	1296	11X100=1100	32- $\phi 4.7$ hole
FXMQ250MFV1	1380	1296	11X100=1100	32- $\phi 4.7$ hole

Notes:

1. 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.
2. 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.]
3. For outdoor ducts, be sure to provide heat insulation to prevent condensation.

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

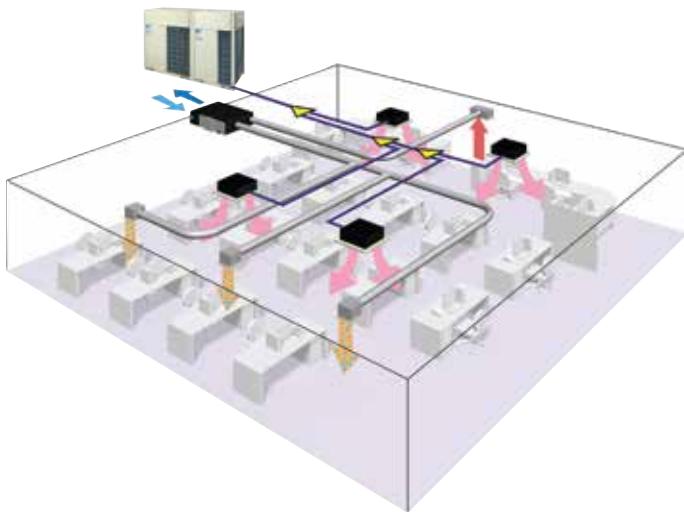
FXMQ125MFV1



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.



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.

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)

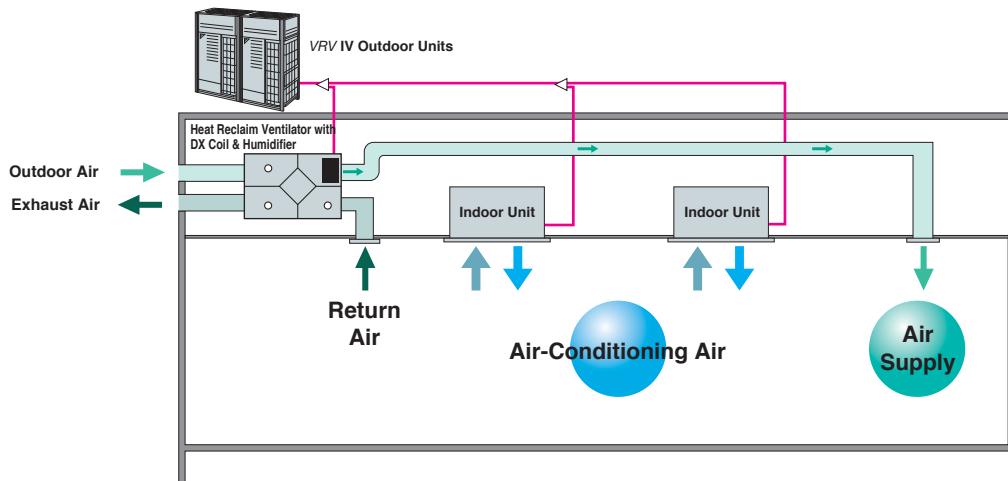
DX-coil

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.

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



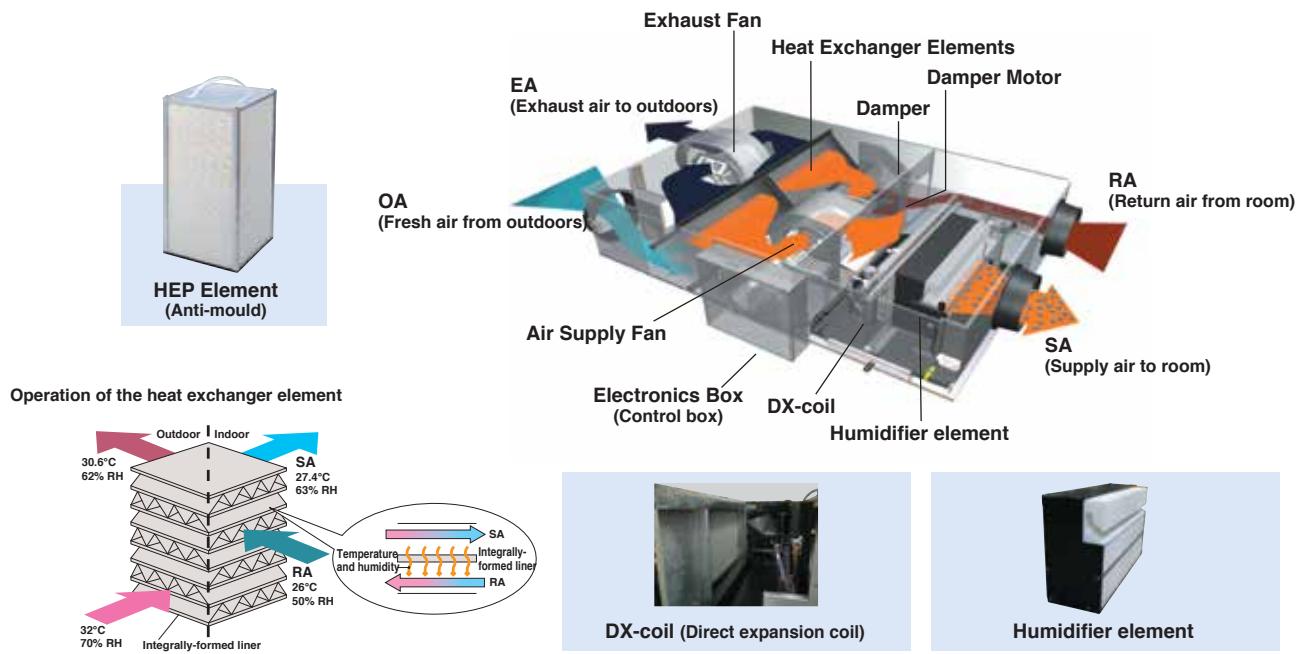
Connection Conditions

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

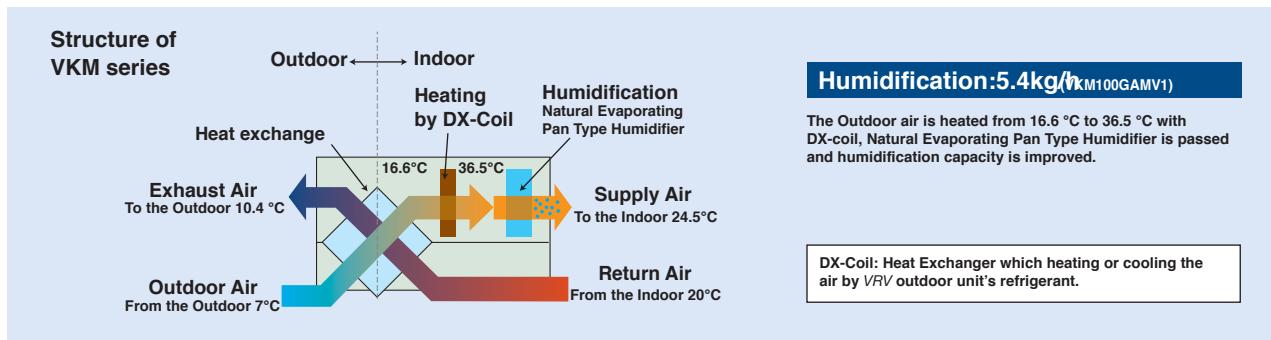
- When the Heat Reclaim Ventilator VKM series units are connected, the total connection capacity index must be 50% to 130% of the capacity index of the outdoor units.

50 Hz only

A compact unit packed with Daikin's cutting-edge technologies



Heating and humidification process



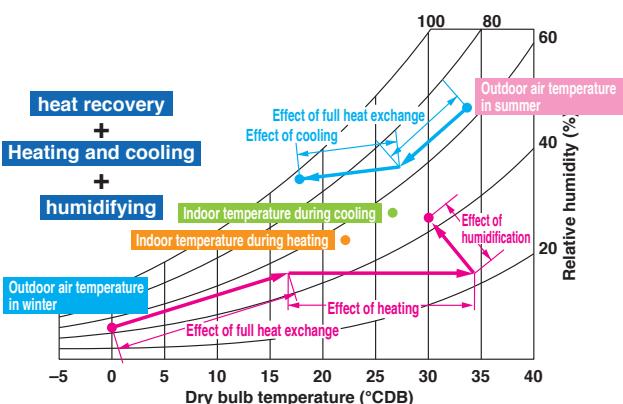
Efficient outdoor air introduction with heat exchanger and cooling/heating operation

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

Specifications

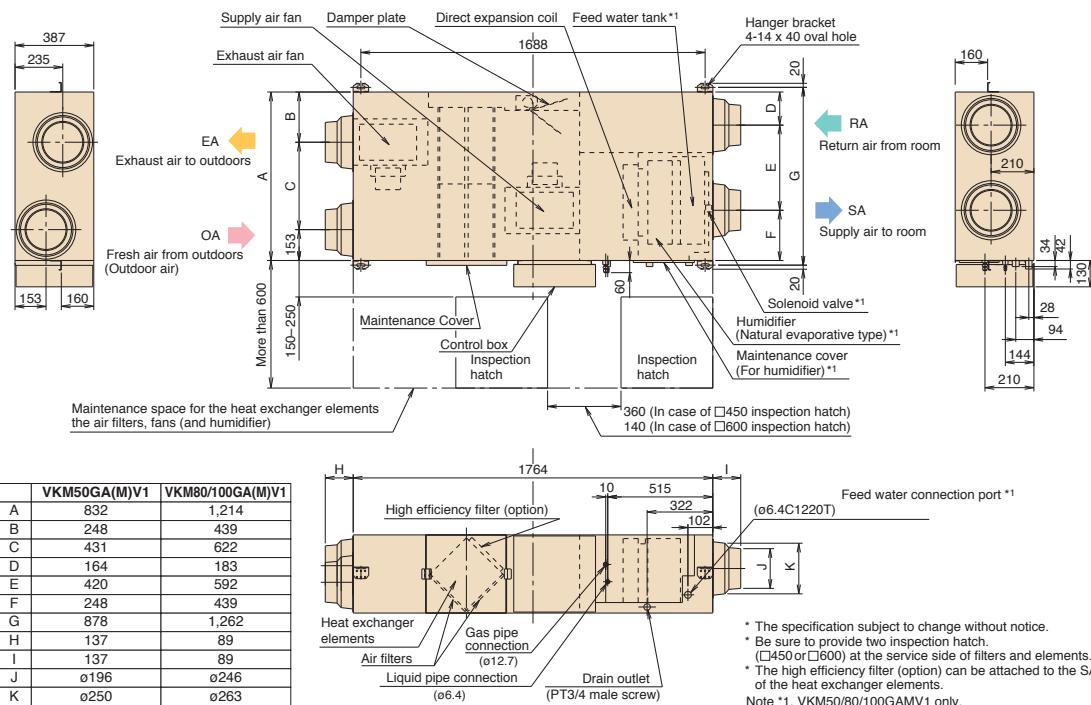
MODEL			VKM50GAMV1*	VKM80GAMV1*	VKM100GAMV1*	VKM50GAV1	VKM80GAV1	VKM100GAV1		
Refrigerant			R-410A							
Power Supply			1-phase, 220–240 V, 50 Hz							
Airflow Rate & Static Pressure (Note 7)	Ultra-high	Airflow rate	(m ³ /h)/(l/s)	500/138	750/208	950/263	500/138	750/208	950/263	
		Static pressure	Pa	160	140	110	180	170	150	
	High	Airflow rate	(m ³ /h)/(l/s)	500/138	750/208	950/263	500/138	750/208	950/263	
		Static pressure	Pa	120	90	70	150	120	100	
	Low	Airflow rate	(m ³ /h)/(l/s)	440/122	640/177	820/227	440/122	640/177	820/227	
		Static pressure	Pa	100	70	60	110	80	70	
Power Consumption	Heat exchange mode	Ultra-high	W	560	620	670	560	620	670	
		High		490	560	570	490	560	570	
		Low		420	470	480	420	470	480	
	Bypass mode	Ultra-high	W	560	620	670	560	620	670	
		High		490	560	570	490	560	570	
		Low		420	470	480	420	470	480	
Fan Type			Sirocco Fan							
Motor Output			kW	0.280 x 2	0.280 x 2	0.280 x 2	0.280 x 2	0.280 x 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		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		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		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		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			Galvanized 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 Fleece							
DX-coil Capacity	Cooling (Note 2)		kW	2.8	4.5	5.6	2.8	4.5	5.6	
	Heating (Note 3)			3.2	5.0	6.4	3.2	5.0	6.4	
Dimensions	Height		mm	387	387	387	387	387	387	
	Width			1,764	1,764	1,764	1,764	1,764	1,764	
	Depth			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		
			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: 6°C DB
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 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 outdoor 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 VRV system heat recovery outdoor unit and bringing the RA (exhaust gas intake) of this unit directly 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



- * 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 *1											
	Centralised controlling device	DCS303A51 *2											
	Central remote controller	DCS302CA61											
	Unified ON/OFF controller	DCS301BA61											
	Schedule timer	DST301BA61											
PC Board Adapter	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	FXZQ-M	FXUQ-A	FXCQ-M	FXKQ-MA	FXDQ-PB	FXSQ-P	FXMQ-P	FXMQ-MV	FXHQ-MA	FXAQ-P	FXLQ-MA
		FXFQ-LU	KRP1C63★	KRP1BA57★	KRP1C67	KRP1B61★	KRP1B61	KRP1B56★	KRP1C64★	KRP1C64★	KRP1BA54	—	KRP1B61
Installation box for adaptor PCB★	Notes 2, 3	Note 4, 6	—	Notes 2, 3	—	Notes 2, 3	—						
	KRP1H98	KRP1BA101	KRP1B96	KRP1BA101	KRP4A98	KRP4A98	KRP4A98	KRP4A98	KRP4A98	KRP4A98	KRP4A98	KRP4A98	—

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
Silencer	Nominal pipe diameter mm	—	—	KDDM24B100
Air suction/	White	K-DGL200B	—	φ 250 mm
Discharge grille	Nominal pipe diameter mm	φ 200	—	φ 250
High efficiency filter		KAF242H80M	—	KAF242H100M
Air filter for replacement		KAF241G80M	—	KAF241G100M
Flexible duct (1 m)		K-FDS201D	—	K-FDS251D
Flexible duct (2 m)		K-FDS202D	—	K-FDS252D

Air Treatment Equipment Lineup

Heat Reclaim Ventilator — VAM series

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

Model Names

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

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



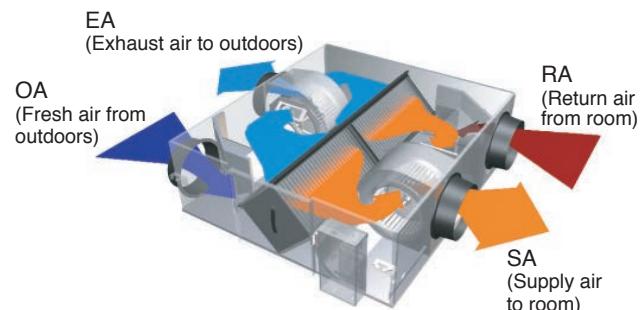
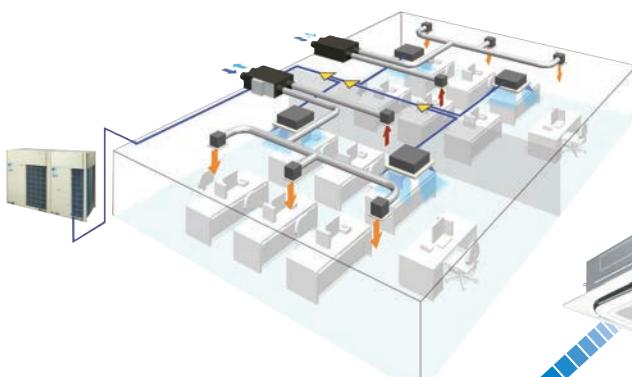
Heat Reclaim Ventilator remote controller*
BRC301B61 (Option)

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

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

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

*2 For models: VAM150/350/500GJVE



Daikin air conditioner
Indoor unit

- ON/OFF signal
- Cooling/Heating mode signal
- Set temperature signal
- Ventilation signal

- Operating mode signal
- Filter cleaning signal
- Failure detection signal

Interlocking



Heat Reclaim
Ventilator

Compact Equipment

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



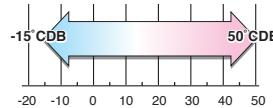
* For VAM500GJVE

Energy Conservation

Air conditioning load reduced by approximately 31%!

Cold Climate Compatible

Standard operation at
temperatures down to -15°C.



Air conditioning load reduced by approximately 31%!

Total heat exchange ventilation

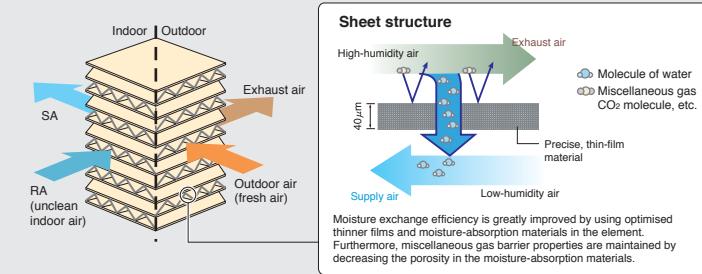
This unit recovers heat energy lost through ventilation and curbs room temperature changes caused by ventilation, thereby conserving energy and reducing the load on the air conditioning system.

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%!



23%

Auto-ventilation Mode Changeover Switching

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

6%

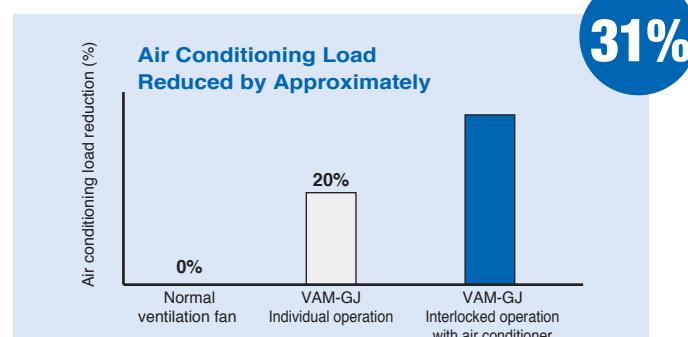
Pre-cool, Pre-heat Control

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

2%

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

Air Conditioning Load Reduced by Approximately



Nighttime free cooling operation^{*1}

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

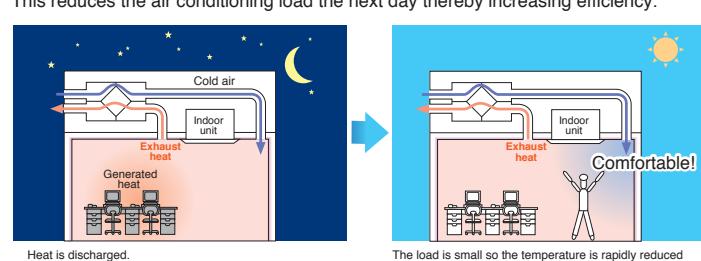
- Nighttime free cooling operation only works to cool and if connected to Building Multi or VRV systems.
- Nighttime free cooling operation is set to "off" in the factory settings, so if you wish to use it, request your dealer to turn it on.

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

^{*2} Value is based on the following conditions:

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

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



Air Treatment Equipment Lineup

Specifications

MODEL			VAM150GJVE	VAM250GJVE	VAM350GJVE	VAM500GJVE	VAM650GJVE	VAM800GJVE	VAM1000GJVE	VAM1500GJVE	VAM2000GJVE				
Power Supply			1-phase, 220-240 V/220 V, 50/60 Hz												
Temp. Exchange Efficiency (50/60 Hz)		For Cooling	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)			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	W	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	W	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	dB(A)	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	dB(A)	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	278X810X551		306X879X800		338X973X832	387X1,111X832	387X1,111X1,214	785X1,619X832	785X1,619X1,214				
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	m ³ /h	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	Pa	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	0.030X2		0.090X2		0.140X2	0.280X2		0.280X4					
Connection Duct Diameter		mm	φ100	φ150		φ200		φ250		φ350					
Unit ambient condition			-15°C~50°CDB, 80%RH or less												

Notes: 1. Sound level is measured at 1.5 m below the centre of the body.

2. Airflow rate can be changed over to Low mode or High mode.

3. 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.

4. The sound level at the air discharge port is about 8 dB(A) higher than the unit's sound level.

5. The specifications, designs and information given here are subject to change without notice.

6. Temperature Exchange Efficiency is the mean value between cooling and heating.

7. 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.

8. 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 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.

9. 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 500 m³/h) to approximately 11 dB(A) (models with the airflow rate of 650 m³/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.

10. With large models in particular (1500 and 2000 m³/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:

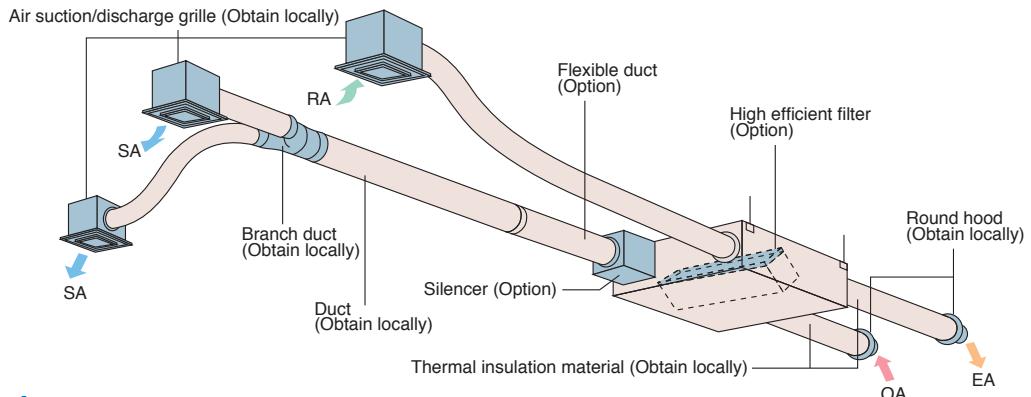
- Use a sound-muffling box, flexible duct and sound-muffling air supply/discharge grilles
- Decentralised installation of discharge grilles

11. 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 · 2000 GJVE													
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													
PC Board	For wiring	Type (indoor unit of VRV)	FXFQ-S FXFQ-LU	FXZQ-M	FXUQ-A	FXCQ-M	FXKQ-MA	FXDQ-PB FXDQ-NB	FXSQ-P	FXMQ-P	FXMQ-MV	FXHQ-MA	FXAQ-P	FXLQ-MA FXNQ-MA	FXVQ-N
		KRP1C63★ KRP1H98	KRP1BA57★ KRP1BA101	KRP1C67	KRP1B61★ KRP1B96	KRP1B61	KRP1B56★ KRP1BA101	KRP1C64★ KRP1A98	KRP1C64★ KRP1A96	KRP1B61	KRP1BA54	—	KRP1B61	KRP1C67	
	Installation box for adaptor PCB★	Notes 2, 3 Notes 4, 6 KRP1H98	Notes 2, 3 KRP1BA101	—	Notes 2, 3 KRP1B96	—	Notes 4, 6 KRP1BA101	Notes 2, 3 KRP4A98	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.

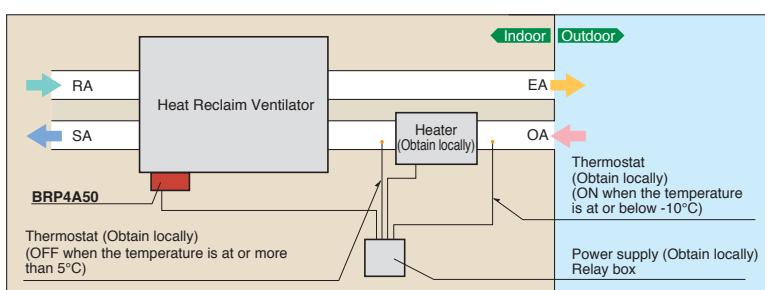
6. Installation box ★ is necessary for each adaptor.

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			KDDM24B100×2		
	Nominal pipe diameter mm	—	—	—	φ 200	φ 250			φ 250	
	High efficiency filter	KAF242H25M	KAF242H50M	KAF242H65M	KAF242H80M	KAF242H100M	KAF242H80MX2	KAF242H100MX2	KAF242H100MX2	
	Air filter for replacement	KAF241G25M	KAF241G50M	KAF241G65M	KAF241G80M	KAF241G100M	KAF241G80MX2	KAF241G100MX2	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	Nominal pipe diameter mm	—	—	—	—	—	—	—	YDFA25A1	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-inflammable 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.

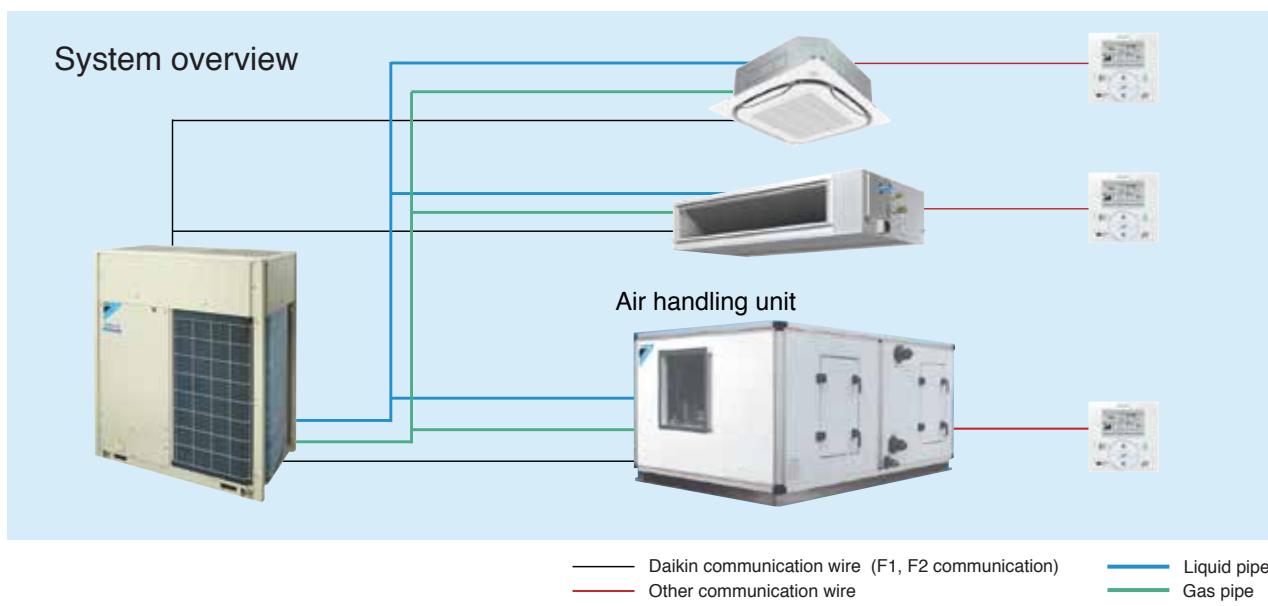
Air Handling Unit

Air Handling Unit

Integrate your air handling unit in a total solution for large size spaces such as factories and large stores.



- Easy design and installation
 - The system is easy to design and install since no additional water systems such as boilers, tanks and gas connections etc are required.
- Inverter controlled units
- Control of air temperature via standard Daikin wired remote control



Daikin air handling units can be connected to VRV IV systems.
This combination can be built to order as a system. Please contact your local sales office for details.

**Warning**

- Ask a qualified installer or contractor to install this product. Do not try to install the product yourself. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Use only those parts and accessories supplied or specified by Daikin. Ask a qualified installer or contractor to install those parts and accessories. Use of unauthorised parts and accessories or improper installation of parts and accessories can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Read the User's Manual carefully before using this product. The User's Manual provides important safety instructions and warnings. Be sure to follow these instructions and warnings.

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

Cautions on product corrosion

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



Organization:
DAIKIN INDUSTRIES, LTD.
AIR CONDITIONING MANUFACTURING DIVISION

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

JMI-0107



Organization:
DAIKIN INDUSTRIES
(THAILAND) LTD.

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

JQA-1452

www.daikin.com.my

DAIKIN MALAYSIA SALES & SERVICE SDN. BHD.

(Formerly known as Group Associated (C & L) Sdn. Bhd.)

(109719-M)

Head Office: Tel: 03-7953 8388 Fax: 03-7956 4371

Branches: • Kedah Tel: 04-730 5670 • Johor Tel: 07-557 7788
• Penang Tel: 04-331 1670 • Pahang Tel: 09-567 6778
• Perak Tel: 05-548 2307 • Kelantan Tel: 09-747 4578
• Negeri Sembilan Tel: 06-768 8969 • Sabah Tel: 088-722 194
• Melaka Tel: 06-288 1133 • Sarawak Tel: 082-333 299

Authorized dealer: