



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.



PCVAU1514

VRV IV

HEAT RECOVERY
HEAT RECOVERY
HEAT RECOVERY

Heat Recovery 50 Hz

R-410A

Next Generation **VRV IV** System



VRV IV

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** system. It now offers improved energy savings, comfort, and ease of installation to meet an ever wider variety of needs.

Enhanced lineup

2 types up to 60 class

Ease of installation

Compact & lightweight design

Energy saving

Higher COP and VRT technology

Comfort

Lower operation sound

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Air Handling Unit

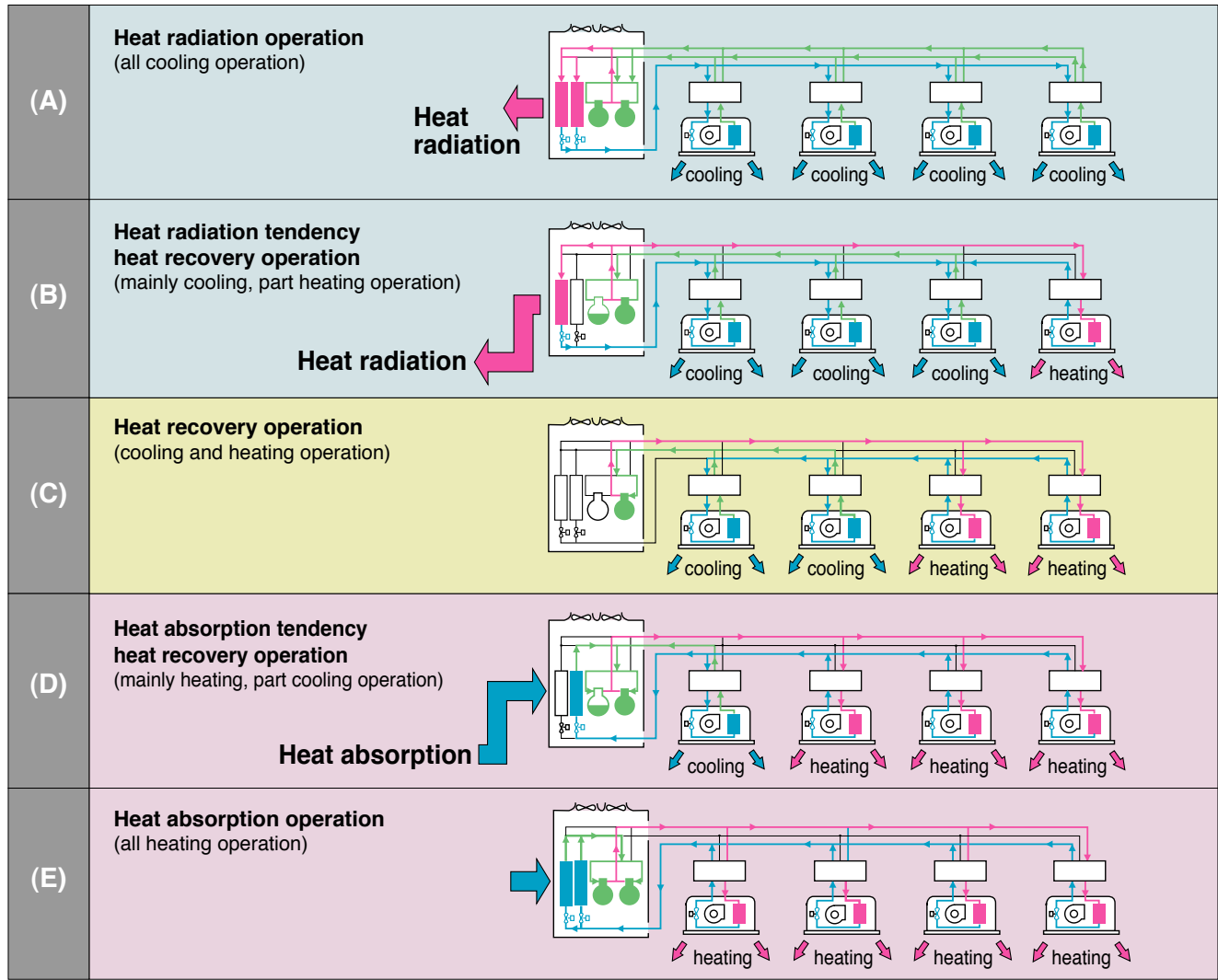
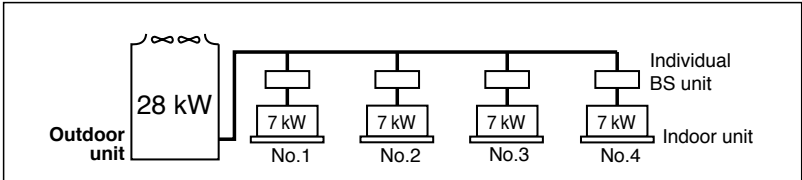
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What is Heat Recovery Air Conditioner?

Modern office buildings are highly airtight and subject to an increasing heat load due to the use of computers, lighting equipment and other office equipment. In these buildings some rooms may require artificial cooling even in winter, depending on the amount of sunshine received and the number of people in the room. In order to meet such requirements the Heat Recovery Series enables the simultaneous operation of cooling and heating by controlling the BS unit that switches cooling and heating. This series also substantially improves energy efficiency by recycling waste heat.

Operation mode

Heat recovery operation mode

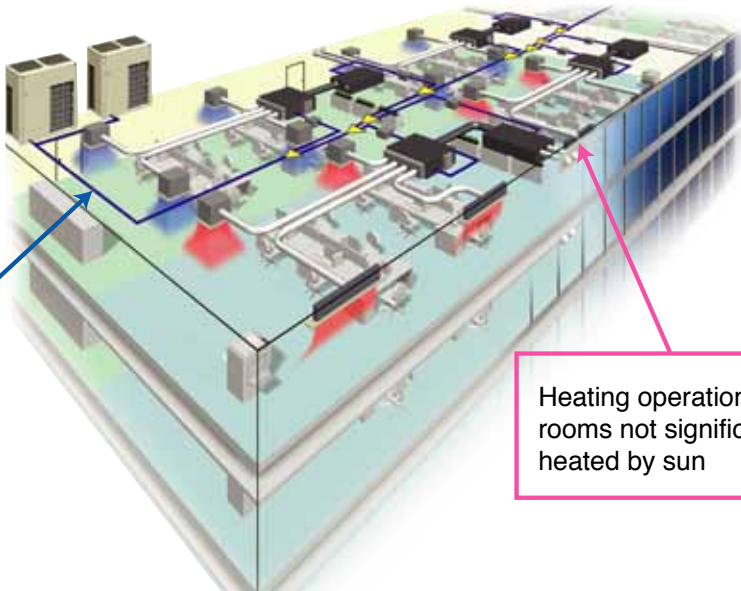


Note: Operation modes (A) and (E) are applicable when the outdoor temperature is 35°C and 7°C respectively; The other modes are applicable under typical outdoor conditions.

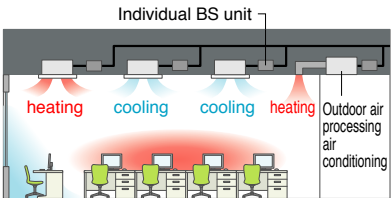
Offers simultaneous cooling and heating operation on the same floor!

Cooling operation for rooms significantly heated by sun

Heating operation for rooms not significantly heated by sun

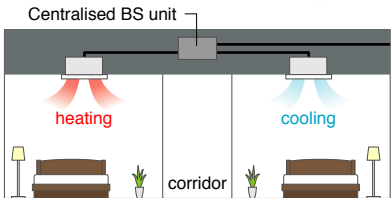


Increasing demand for simultaneous cooling and heating needs



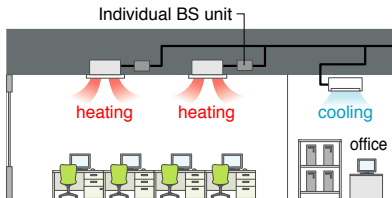
Winter season (Office Building)

- Difference between the load of cold air and heat from room is large
- Can be use with the outdoor air processing air conditioning



Winter season (Hotel)

- Able to cater to individual heating and cooling requirement



Individual office

- Provides heating and annual cooling depending on space area

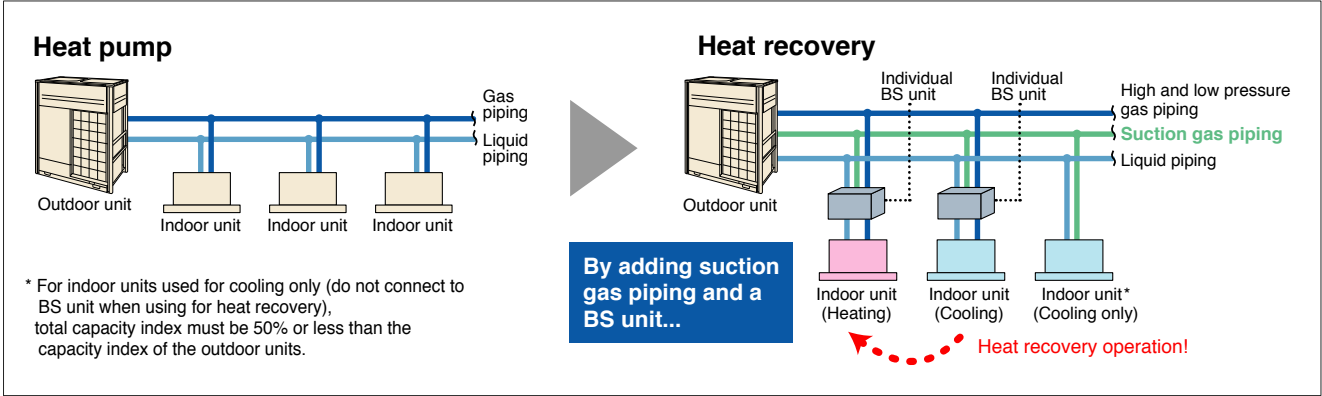
BS unit (Individual type/Centralised type)

By adding suction gas piping and a BS unit (sold separately), simultaneous cooling and heating operation can be provided by a single system.



Individual BS unit

Centralised BS unit



Enhanced Lineup

2 types up to 60 class

With its enhanced lineup of 2 types-High-COP and Standard types, **VRV IV** Heat Recovery series outdoor units offer a higher capacity up to 60 class (168 kW) to meet an ever wider variety of needs.

• Single Outdoor Unit

VRV III



8, 10, 12, 14, 16 class

Up to 16 class

VRV IV



8, 10, 12 class 14, 16, 18, 20 class

Up to 20 class

• Multiple Outdoor Units

VRV III



Up to 48 class

1 type only

VRV IV



Up to 60 class

2 types of High-COP type and Standard type

Lineup

		<div><div></div>Mo/C</div>																								<div><div></div>New Lineup</div>					
class	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																															

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 class(33.5 kW)



VRV IV
12 class(33.5 kW)

VRV III 12 class
(33.5 kW)

Installation Space
0.99 m²

Product Weight
331 kg

VRV IV 12 class
(33.5 kW)

Installation Space
0.71 m²

Product Weight
230 kg

28% Decrease

30% Decrease

Comfort

Lower operation sound

Improve heat exchanger efficiency, helps to reduced operation sound.

	Sound level(dB(A))				
	8 class	10 class	12 class	14 class	16 class
VRV III	58	58	60	62	63
VRV IV	56	57	59	60	61

1-2 dB(A) reduction than conventional model

Large airflow, high static pressure and quiet technology

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



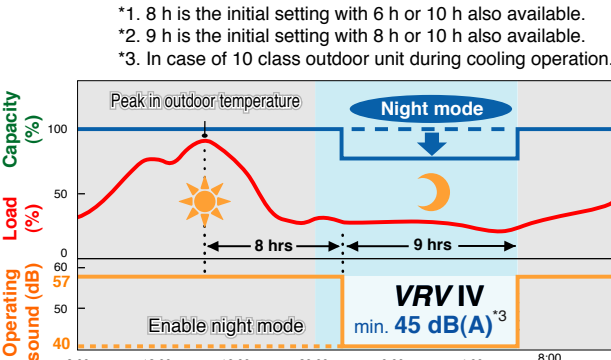
Streamlined air grille
It promotes the discharge of swirling airflow, further reducing the pressure loss.

Streamlined scroll fan
The sharp edge of each fan blade has a certain curvature, reducing both the vibration and the pressure loss.



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.



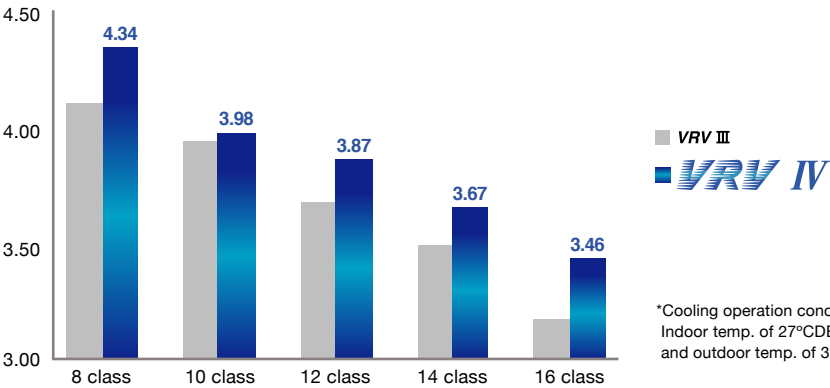
Notes: · This function is available in setting at site.
· The operating sound in quiet operation mode is the actual value measured by our company.
· The relationship of outdoor temperature (load) and time shown above is just an example.

Energy saving

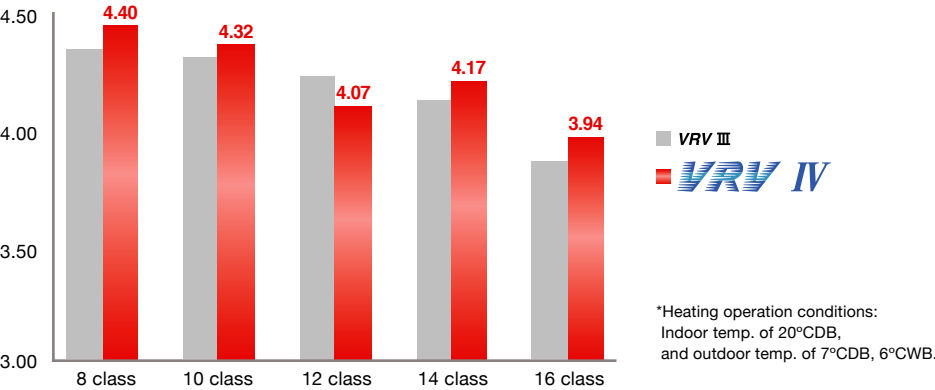
Higher Coefficient of Performance (COP)

It has become essential for air conditioning manufacturers to develop systems that provide high energy savings. We at Daikin have made great efforts in this field, and the **VRV IV** system delivers highly efficient performance, contributing to high energy savings.

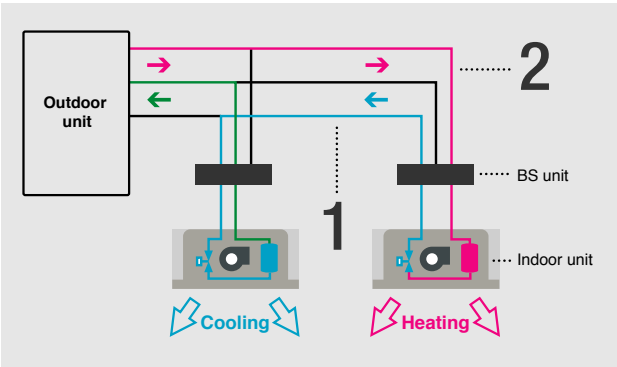
Cooling Operation COP



Heating Operation COP



The heat recovery system utilises waste heat, achieving outstanding energy conservation performance.

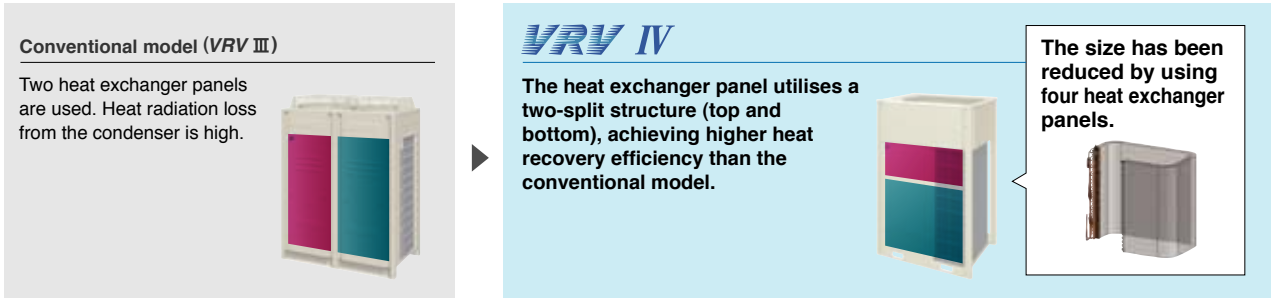


The flexibility of simultaneous cooling and heating operation has been further enhanced by various advanced technologies.

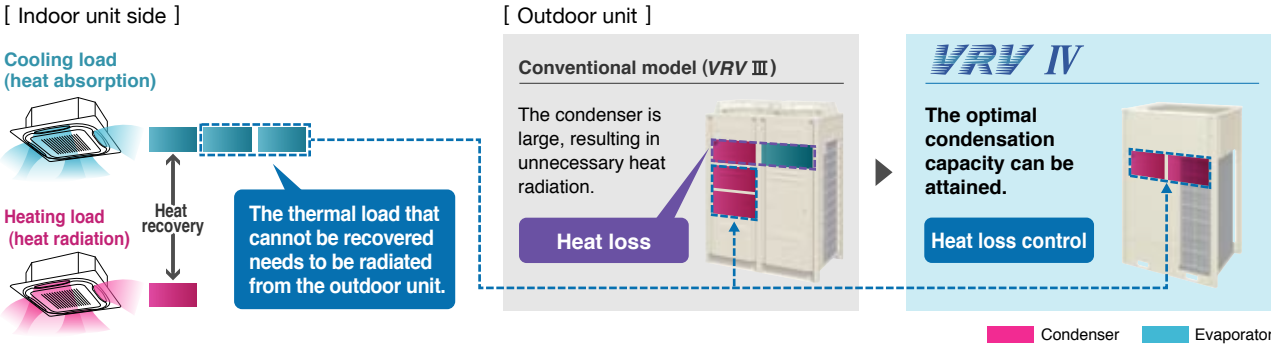
Development of a highly efficient heat exchanger utilising of a two-split structure

In a conventional system, two heat exchanger panels are utilised: one is used as an evaporator; while the other is used as a condenser. In the newly developed system, a two-split structure is utilised, with one panel split into two parts (top and bottom) at an optimal ratio depending on the capacity required for simultaneous cooling and heating operation. Heat radiation loss has been minimised, and the heat recovery efficiency and partial load characteristics have been improved.

Comparison of 12 class system (During simultaneous cooling and heating operation)



Indoor and outdoor heat balance (conceptual image)

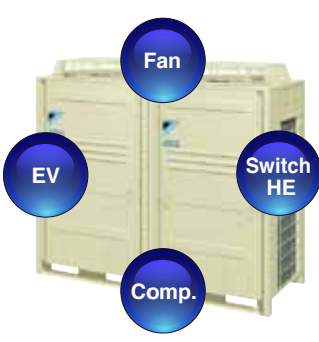


Heat Recovery Link control to reduce the heat loss

Heat loss is minimised by interlocking the heat exchanger switching, motor-operated valves, compressors, and fans, which are conventionally controlled independently during simultaneous cooling and heating operation, leading to a significant increase in efficiency.

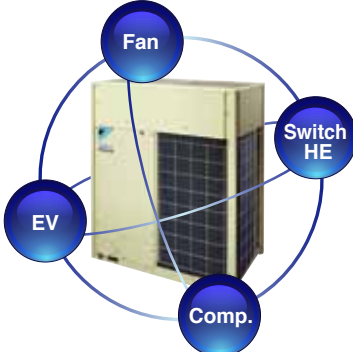
VRV III

Refrigerant circuit is balanced based on the independent control of each elements
⇒ occurred heat loss



VRV IV

Interlocking operation with each elements in order to reduce energy
⇒ Improvement of Heat recovery



State-of-the-art energy saving technology

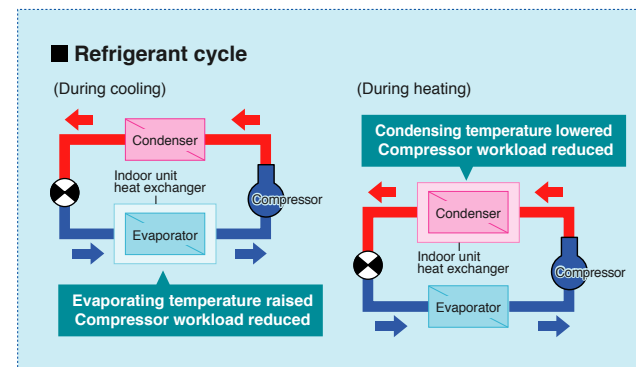
Customise your VRV system for optimal annual efficiency

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

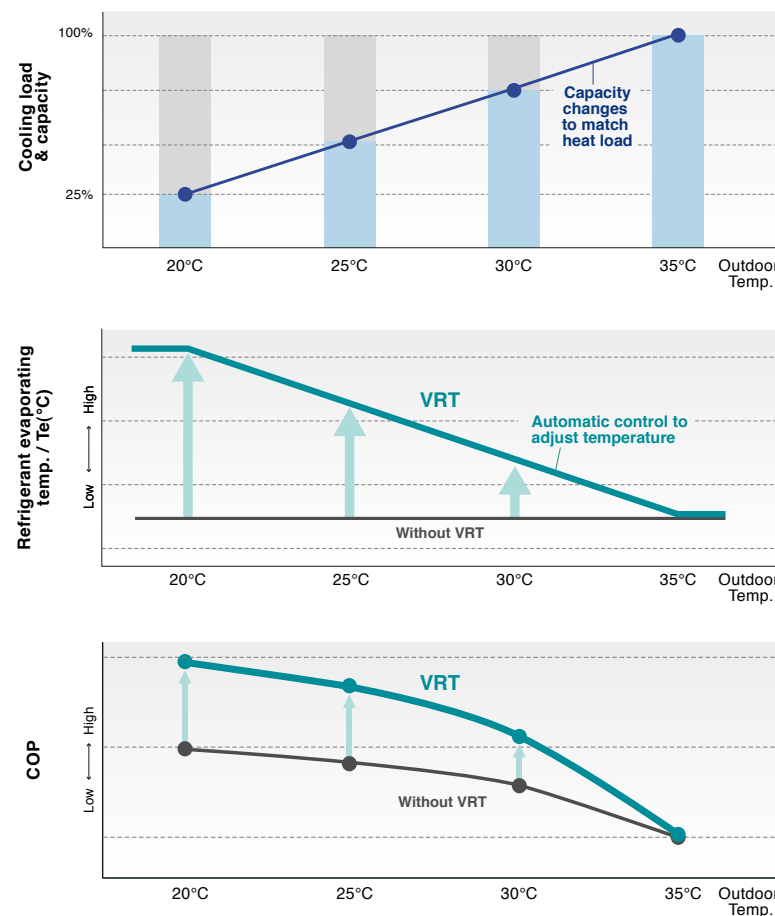


How is energy reduced?

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



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



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

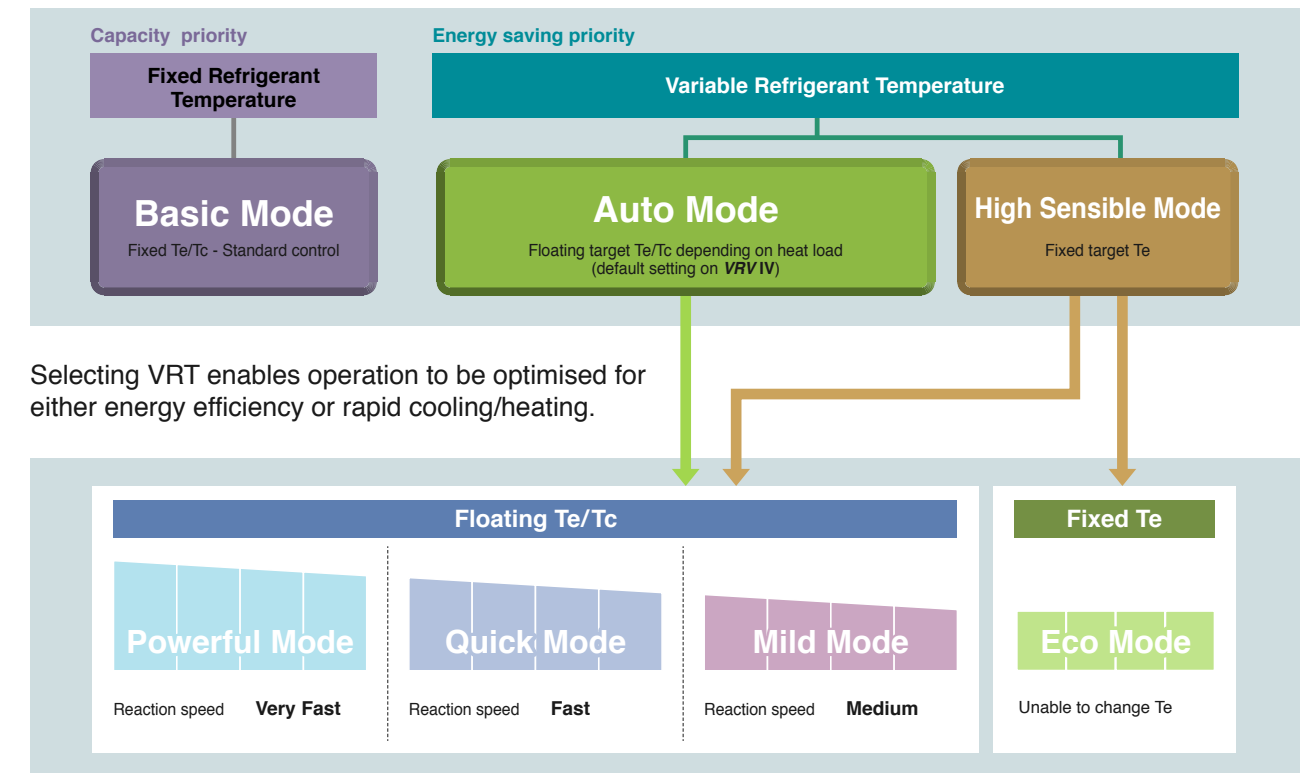
In case of fixed evaporating temperature, excessive cooling, thermo on-off loss, and other inefficiencies occur.

Automatic control adjusts evaporating temperature to heat load change.

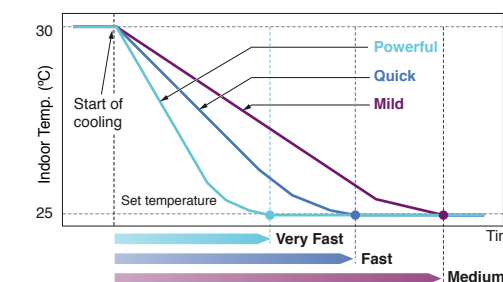
Energy efficiency is improved without sacrificing comfort.

Fine control to match user preference available through mode selection

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



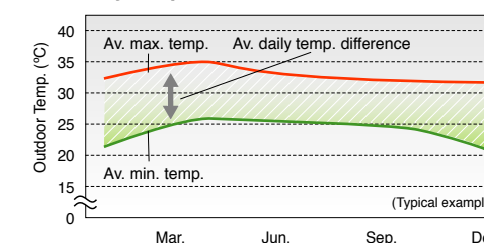
VRT offers quicker cool down to shorten uncomfortable pull down time.



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

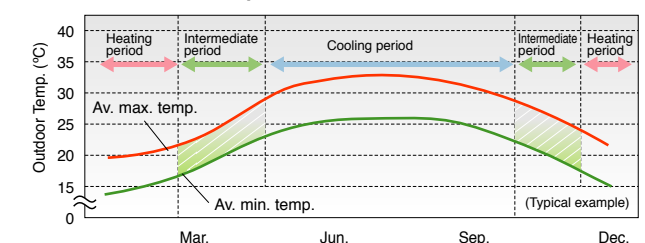
Recommended for use in these situations

Cooling only regions having differences in daily temperature.



VRT is particularly effective at night when temperatures are low.

Cooling/heating regions having periods of mild outdoor temperatures.



VRT is particularly effective during the intermediate periods.

Individual and centralised BS unit allow greater design flexibility.

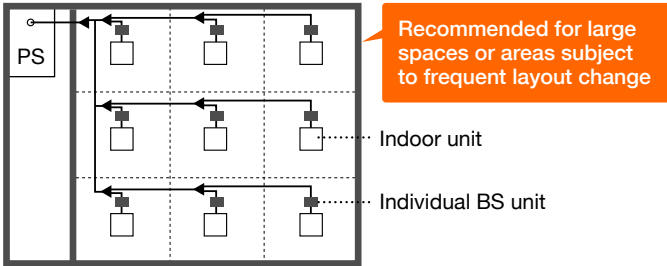
Individual BS unit



New

BSQ100AV1
BSQ160AV1
BSQ250AV1

- Compact and flexible installation
- Flexible design
- Low noise

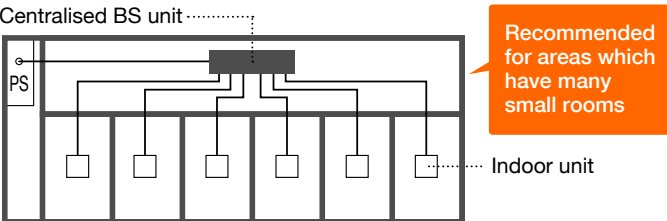


Centralised BS unit



New

BS4Q14AV1
BS6Q14AV1
BS8Q14AV1
BS10Q14AV1
BS12Q14AV1
BS16Q14AV1



Enhanced Line up

No. of branches	4	6	8	10	12	16
Conventional Centralised BS Unit	●	●				
New Centralised BS Unit	●	●	●	●	●	●

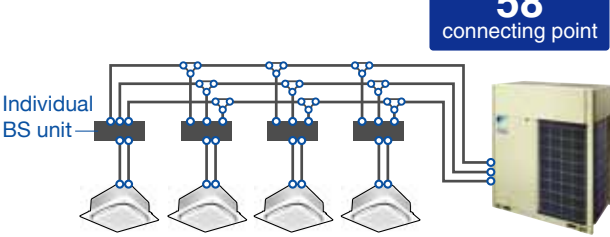
- Compact and lightweight design
Compared to conventional BS unit (6 branch)

New BS unit size
reduced by 65%

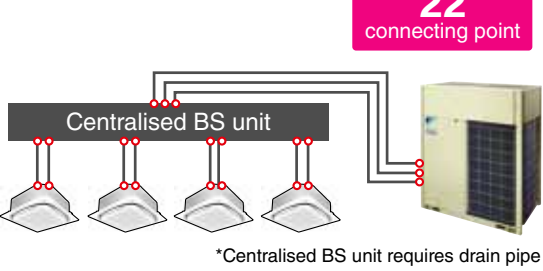
New BS unit weight
reduced by 73%

Installation and maintenance work have been made easier through the integration of multiple BS units.

Individual BS unit



Centralised BS unit




Greater design flexibility achieved by increasing the connection capacity range

Centralised BS unit



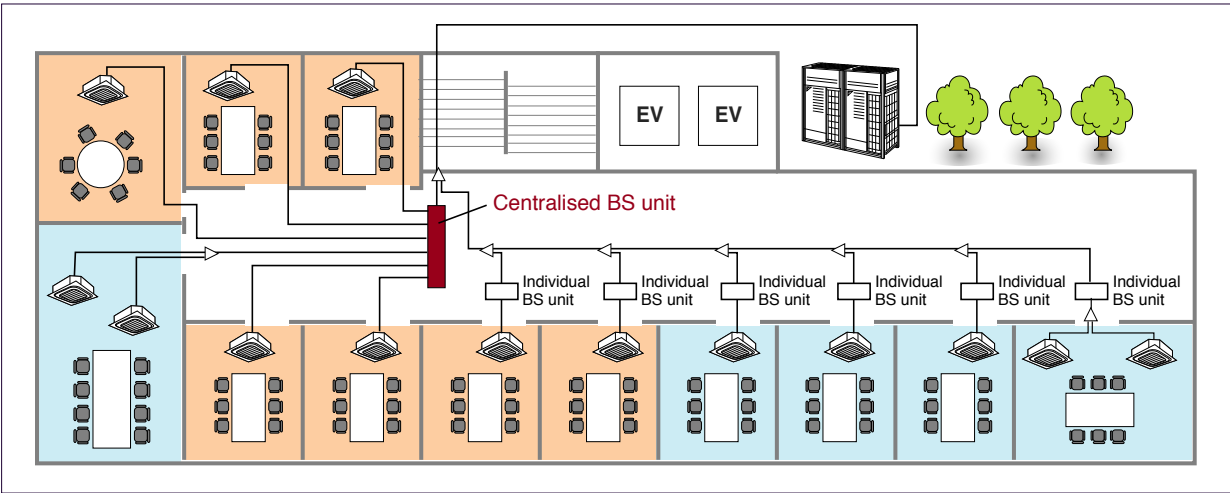
Increased from
2.2–16.0 kW
(Up to 11.2 kW in the conventional system)

Centralised BS unit

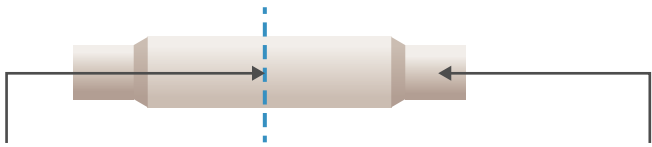


By merging two branches
Adaptable up to
28.0 kW


Combined use of a centralised BS unit and individual BS units meets the needs of many design plans.



Faster installation of centralised BS unit thanks to open connection



Cut and braise the pipe
(for indoor units bigger or equal to 7.1 kW (63 class))



Time saving!

No need to cut the pipe before brazing
(for indoor units smaller or equal to 5.6 kW (50 class))

Lower transient sound

New BS units achieve lower transient sound level than conventional BS units.

Maximum transient sound		Centralised BS unit						Individual BS unit		
		4 branch	6 branch	8 branch	10 branch	12 branch	16 branch	100 type	160 type	250 type
New BS units	Sound level (dB(A))*	45	47	47	48	48	49	40	45	45
Conventional BS units	Sound level (dB(A))*	51.5	53.5					45.5	46.5	47.5

*Anechoic chamber conversion value, measured at a point 1 m downward from the unit centre.

More options for equipment placement

Long piping length

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

Max. actual piping length

165 m

Max. equivalent piping length

190 m

Max. total piping length

1000 m

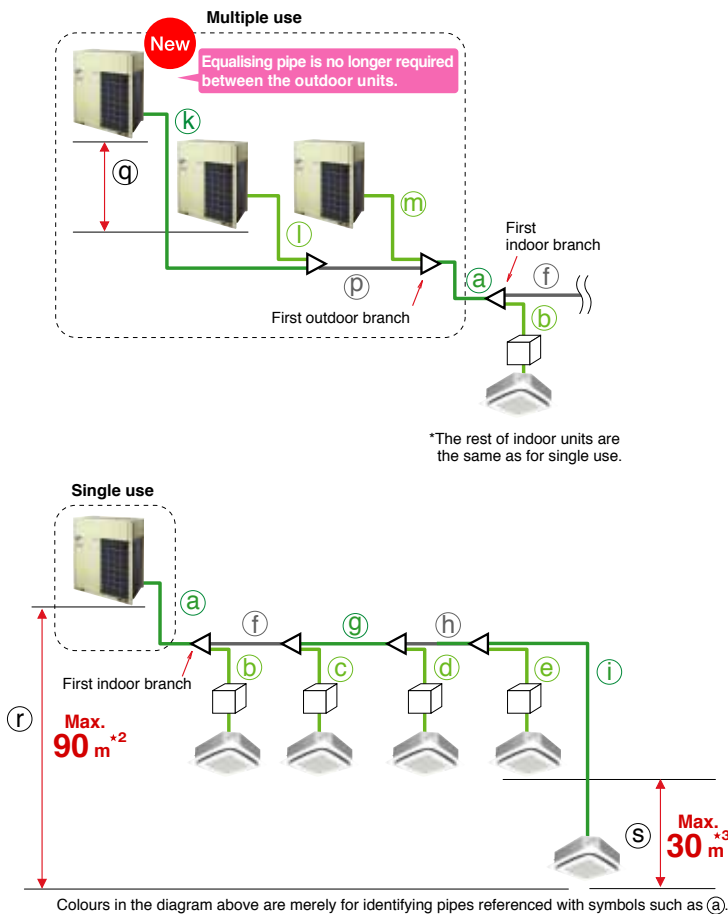
Max. level difference between the outdoor units and the indoor units

90 m^{*2}

Max. level difference between the indoor units

30 m^{*3}

15 m higher than VRV III



Maximum allowable piping length	Refrigerant piping length		Actual piping length	Example	Equivalent piping length
	Total piping length		165 m	a+f+g+h+i	190 m
	Between the first indoor branch and the farthest indoor unit		1000 m	a+b+c+d+e+f+g+h+i	—
	Between the outdoor branch and outdoor unit		90 m ^{*1}	f+g+h+i	—
Maximum allowable level difference	Between the outdoor units (Multiple use)		10 m	k+p,l,m	13 m
	Between the indoor units		5 m	q	—
	Between the outdoor units and the indoor units		30 m	s	—
	Between the outdoor units and the indoor units		90 m ^{*2}	r	—
Maximum allowable level difference	Between the outdoor units and the indoor units		90 m ^{*2}	r	—
	Between the outdoor units and the indoor units		90 m ^{*2}	r	—

*1. No special requirements up to 40 m. The maximum actual piping length can be 90 m, depending on conditions. Various conditions and requirements have to be met to allow utilisation of 90 m piping length. Be sure to refer to the Engineering Data Book for details of these conditions and requirements.

*2. When level differences above 50 m if the outdoor unit is above the indoor unit and 40 m if the outdoor unit is below 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.

*3. When level differences are 15 m or more, maximum actual piping length must be 120 m.

Connection ratio

Connection capacity at maximum is 200%.

Connection ratio
50%–200%

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

Conditions of VRV indoor unit connection capacity

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

*1 For the FXFQ25P and FXFQ-S models, maximum connection ratio is 130% for the entire range of outdoor units.

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

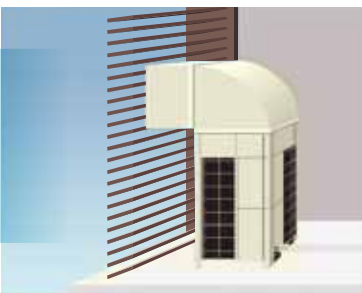
*Refer to page 51 for outdoor unit combination details.

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.

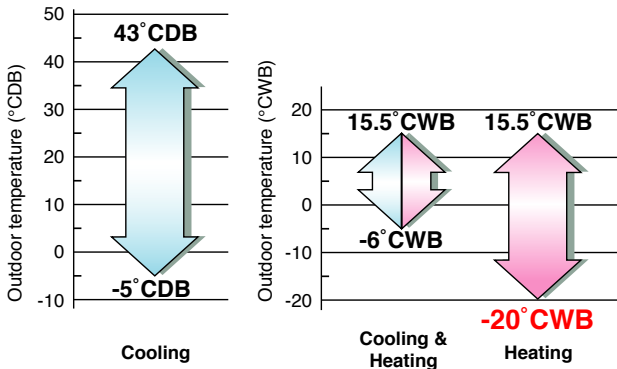
78.4 Pa

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



Wide operation temperature range

The versatile operation range of the VRV IV system works to reduce limitations on installation locations. The operation temperature range for heating goes all the way down to -20°C, while cooling can be performed with outdoor temperatures as high as 43°C. Both these achievements are due to the employment of a high-pressure dome-type compressor.

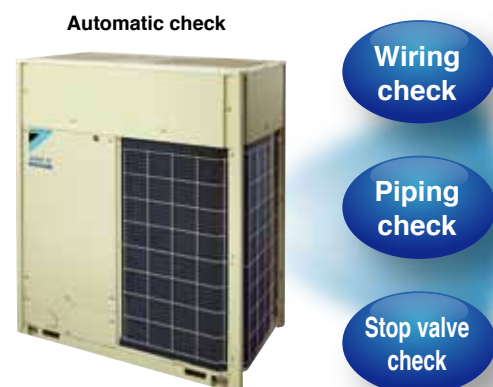


Multiple advanced features ensuring more accurate test operation and stable system

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.

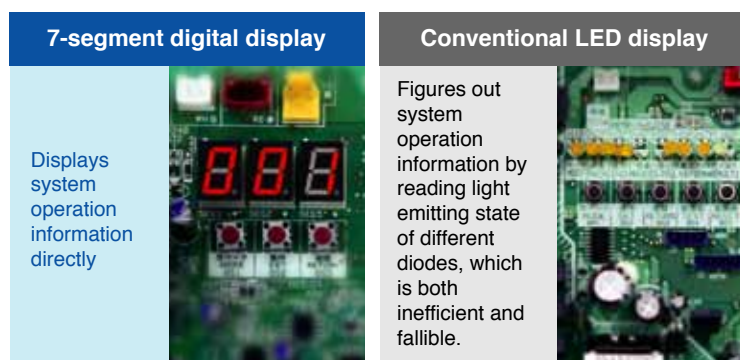
- Automatically checks the wirings between outdoor units and indoor units to confirm whether there is a defective wiring.
- Optimises operations to suit field piping lengths.
- Automatically check whether the stop valve in each outdoor unit is in normal status to ensure the smooth operation of air conditioning system.



Simplified commissioning and after-sales service

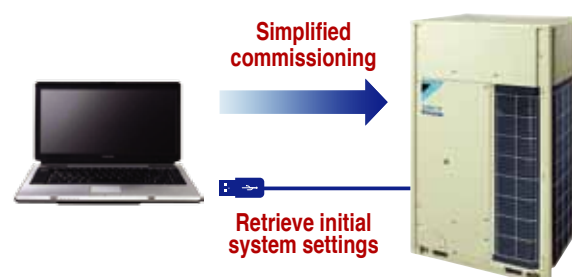
Function of information display by luminous digital tube

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.



VRV configurator

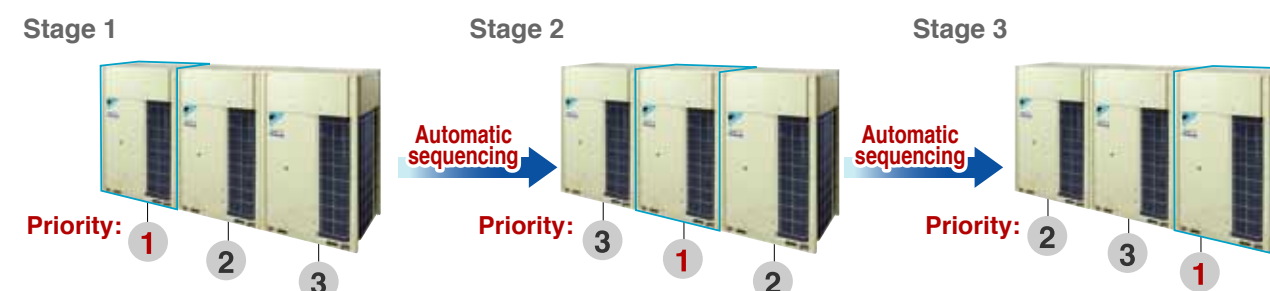
- The **VRV** configurator is an advanced software solution that allows for easy system configuration and commissioning.
- less time is required on the roof configuring the outdoor unit.
- multiple systems at different sites can be managed in exactly the same way, thus offering simplified commissioning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



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.



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 REYQ14-20TY1 models).



Compliant with the RoHS Directive*

We have been making efforts to facilitate the transition to using RoHS Directive*-compliant materials for system parts.

* RoHS Directive
The RoHS (Restriction of Hazardous Substances (in electrical and electronic equipment)) Directive is an environmental directive enacted to regulate the use of designated chemical substances (lead, cadmium, hexavalent chromium, mercury, polybrominated biphenyls and polybrominated diphenylether) in electrical equipment. All household products subject to this Directive and sold in Europe from July 1, 2006 are legally bound to comply with the RoHS Directive.

Large capacity all DC inverter compressor in compact casing

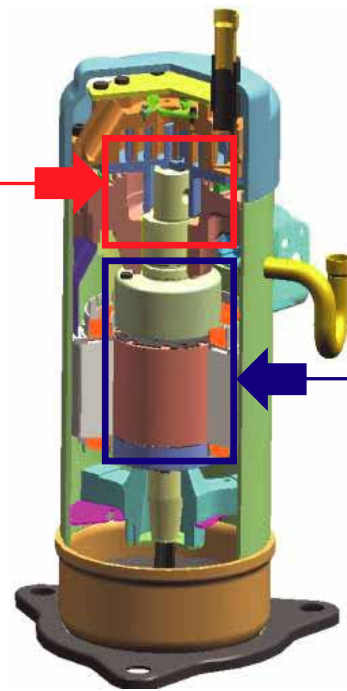
Large capacity inverter compressor using high tension strength material, resulting in 12 class (33.5 kW) compressor utilising an 8 class (22.4 kW) casing.

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.

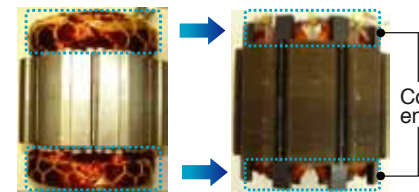


As a result of having thinned wall - thickness of the scroll, compression chamber volume increase 50%



Compact high efficiency concentrated winding motor

Distributed winding motor (Current 8 class(22.4 kW) compressor) Concentrated winding motor (New 12 class(33.5kW) compressor)



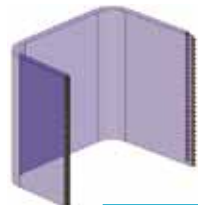
Small sizing coil end using concentrated winding, reduce copper loss (winding resistance).

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



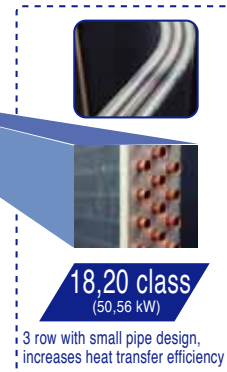
Fine Louvre Fin

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.



18,20 class (50,56 kW)

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)
16 class (45 kW)	24%UP	108.5%

Various advanced control main PC board

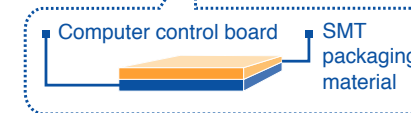
SMT* packaging technology

- 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.

Computer control board surface adopting SMT packaging technology



Conventional computer control board surface

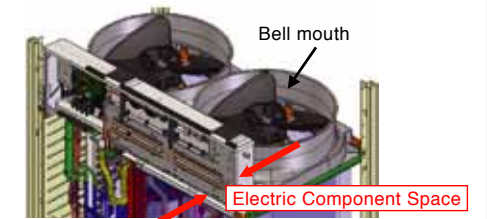


*SMT: Surface mounted technology

Refrigerant cooling technology, ensures stability of PCB temperature

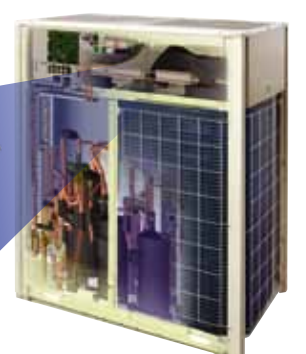
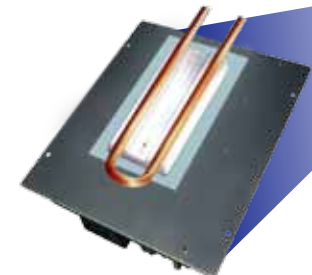
Improved inner design to increase smooth airflow

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 Units - Heat Recovery

Enhanced lineup of 2 types with maximum capacity of 60 class (168 kW).

- With its enhanced lineup of 2 types, VRV IV Heat Recovery series outdoor units offer a higher capacity up to 60 class (168 kW) to meet an ever wider variety of needs.
- The single outdoor unit has only 2 different shapes and dimensions, not only simplifying the design process, but also bringing the system design flexibility to a new level.
- Outdoor units with anti-corrosion specifications (-E type on request) are designed specifically for use in areas which are subject to salt damage and atmospheric pollution.

High-COP Type

Double Outdoor Units
16, 18, 20 class



REYQ16THY1(E)
REYQ18THY1(E)
REYQ20THY1(E)

Triple Outdoor Units
24, 26, 28, 30, 32 class



REYQ24THY1(E)
REYQ26THY1(E)
REYQ28THY1(E)
REYQ30THY1(E)
REYQ32THY1(E)

Standard Type

Single Outdoor Units
8, 10, 12 class



REYQ8TY1(E)
REYQ10TY1(E)
REYQ12TY1(E)

14, 16, 18, 20 class



REYQ14TY1(E)
REYQ16TY1(E)
REYQ18TY1(E)
REYQ20TY1(E)

Double Outdoor Units
22, 24 class



REYQ22TY1(E)
REYQ24TY1(E)

26, 28, 30 class



REYQ26TY1(E)
REYQ28TY1(E)
REYQ30TY1(E)

32, 34, 36 class



REYQ32TY1(E)
REYQ34TY1(E)
REYQ36TY1(E)

Triple Outdoor Units
38, 40 class



REYQ38TY1(E)
REYQ40TY1(E)

42, 44 class



REYQ42TY1(E)
REYQ44TY1(E)

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



REYQ46TY1(E)
REYQ48TY1(E)
REYQ50TY1(E)
REYQ52TY1(E)
REYQ54TY1(E)
REYQ56TY1(E)
REYQ58TY1(E)
REYQ60TY1(E)

Lineup

	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																											

Indoor Units

Wide range of indoor units includes 17 types and 96 models

Daikin's indoor unit system offers a large number of connectable indoor units-64! Furthermore, our wide range of indoor units includes 17 types and 96 models to meet the needs of customers.

17 types 96 models

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

Daikin air handling units can be connected to VRV IV system.
Please refer to page 85 and contact your local sales office for details.



Daikin offers a wide range of indoor units includes 17 types responding to variety of needs of our customers that require air-conditioning solutions.

Ceiling Mounted Cassette (Round Flow with Sensing) Type

FXFQ-S



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



Ceiling Mounted Cassette (Round Flow) Type

FXFQ-P



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



Ceiling Mounted Cassette (Compact Multi Flow) Type

FXZQ-M



Quiet, compact, and designed for user comfort



4-Way Flow Ceiling Suspended Type

FXUQ-A



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



Ceiling Mounted Cassette (Double Flow) Type

FXCQ-M



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



Ceiling Mounted Cassette Corner Type

FXKQ-MA

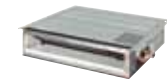


Slim design for flexible installation

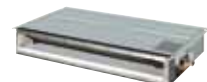


Slim Ceiling Mounted Duct Type (Standard Series)

FXDQ-PB



FXDQ-NB



Slim design, quietness and static pressure switching



Slim Ceiling Mounted Duct Type (Compact Series)

FXDQ-SP

New



Slim and compact design for easy and flexible installation



Ceiling Mounted Built-in Type

FXSYQ-M



Highly flexible for various application



Ceiling Concealed (Duct) Type

FXDYQ-M(A)



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



Ceiling Mounted Duct Type

FXMQ-P



FXMQ-MA



High external static pressure allows flexible installations



Ceiling Suspended Type

FXHQ-MA



Slim body with quiet and wide airflow



Wall Mounted Type

FXAQ-P



Stylish flat panel design harmonised with your interior décor



Floor Standing Type

FXLQ-MA



Concealed Floor Standing Type

FXNQ-MA



Suitable for perimeter zone air conditioning

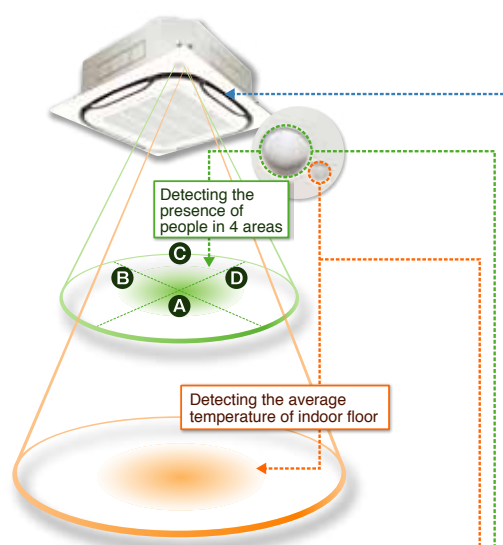


Ceiling Mounted Cassette (Round Flow with Sensing) Type

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



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



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

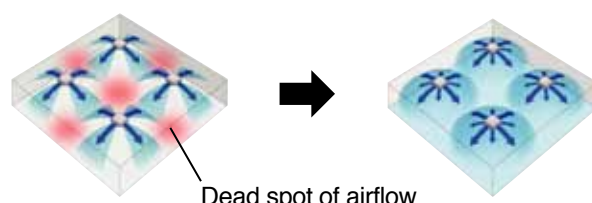
The sensor detects the floor temperature and automatically adjusts operation of the indoor unit to reduce the temperature difference between the ceiling and the floor.

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.



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

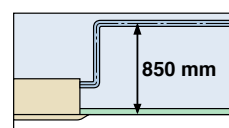


- Improved energy efficiency thanks to a new heat exchanger with smaller tubes, DC fan motor, and DC drain pump motor.

Low operation sound level

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

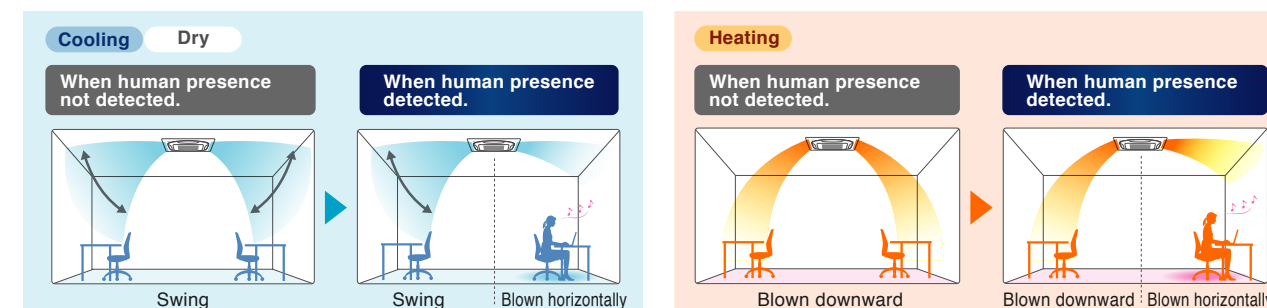
- Drain pump is equipped as standard accessory with 850 mm lift.



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

Sensing function

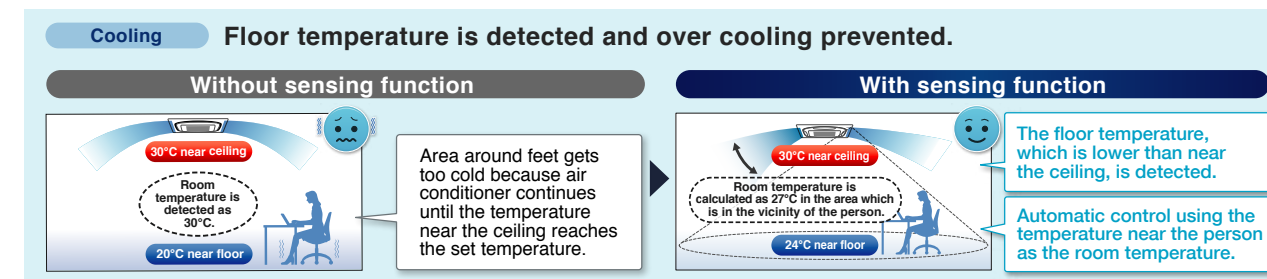
■ Draft prevention function (default: OFF) *1. 2 (Auto airflow direction mode)



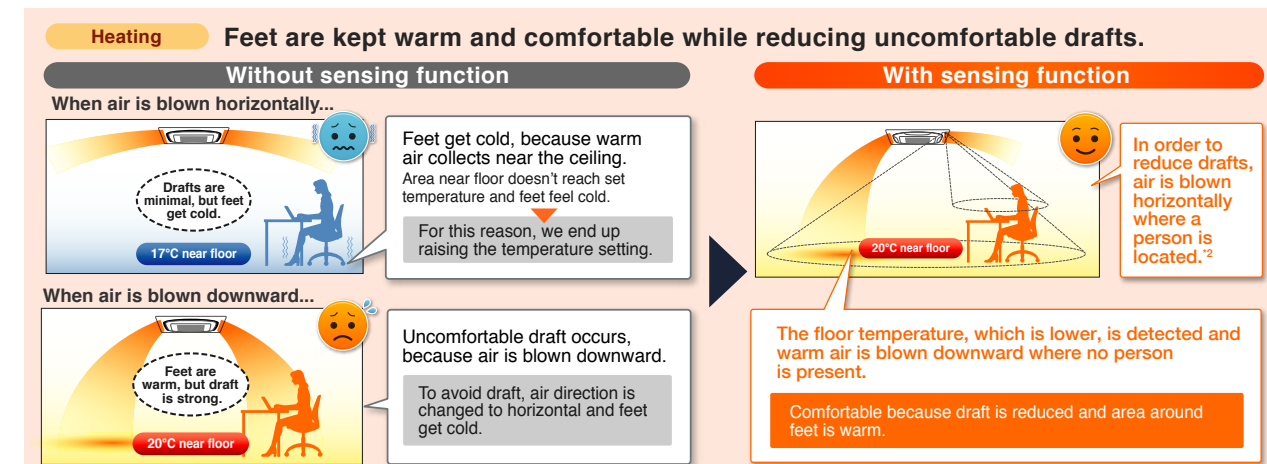
- With the Auto airflow direction mode, flaps are controlled to deliver optimal air distribution for both cooling and heating operations when there are no people.
- When a person is detected, drafts are prevented by making the flap horizontal.
- When a person is not detected for 5 minutes, the unit automatically returns to controlling the flaps for an unoccupied room.

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

■ Comfort and Energy saving preventing over Cooling / Heating *1. 2 (Auto airflow direction mode + Auto airflow rate mode)



- 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.



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

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

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

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

Ceiling Mounted Cassette (Round Flow with Sensing) Type

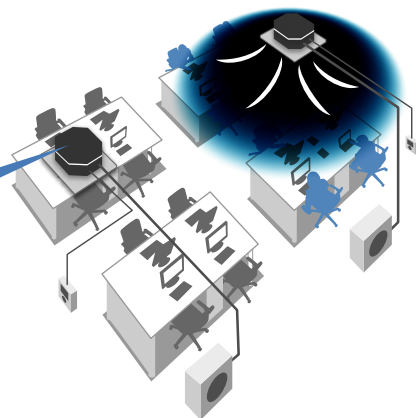
Sensing sensor mode*1,2

■ Sensing sensor low mode (default: OFF)

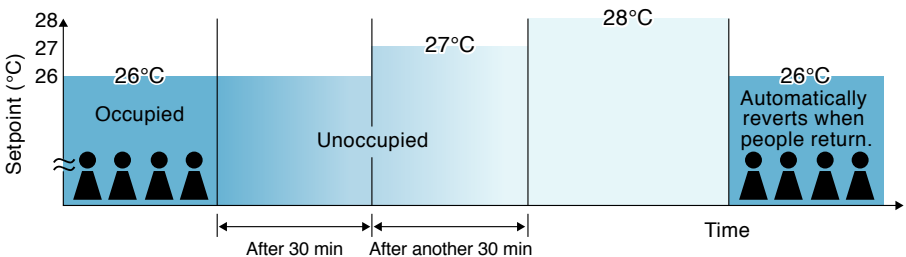
When there are no people in a room, the set temperature is shifted automatically.

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

Operation is reduced in places where there are no people.

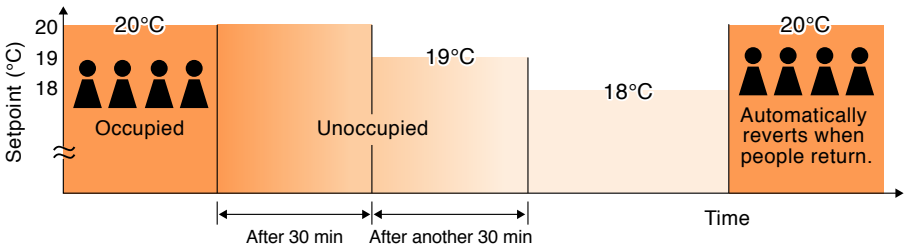


Example • Cooling setpoint: 26°C • Shift temperature: 1.0°C
• Shift time: 30 min. • Limit cooling temperature: 30°C



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

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



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

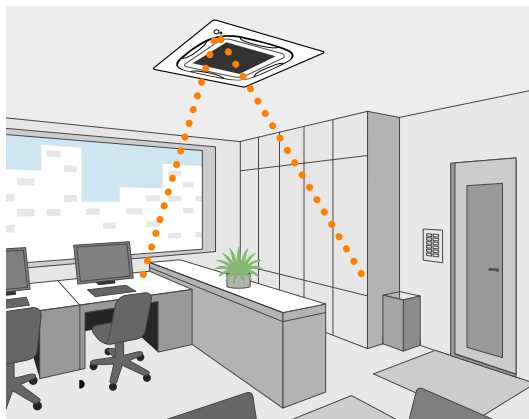
Shift temperature and time can be selected from 0.5 to 4°C in 0.5°C increments and 15, 30, 45, 60, 90 or 120 minutes respectively with remote controller.

■ Sensing sensor stop mode (default: OFF)

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

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

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



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

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

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

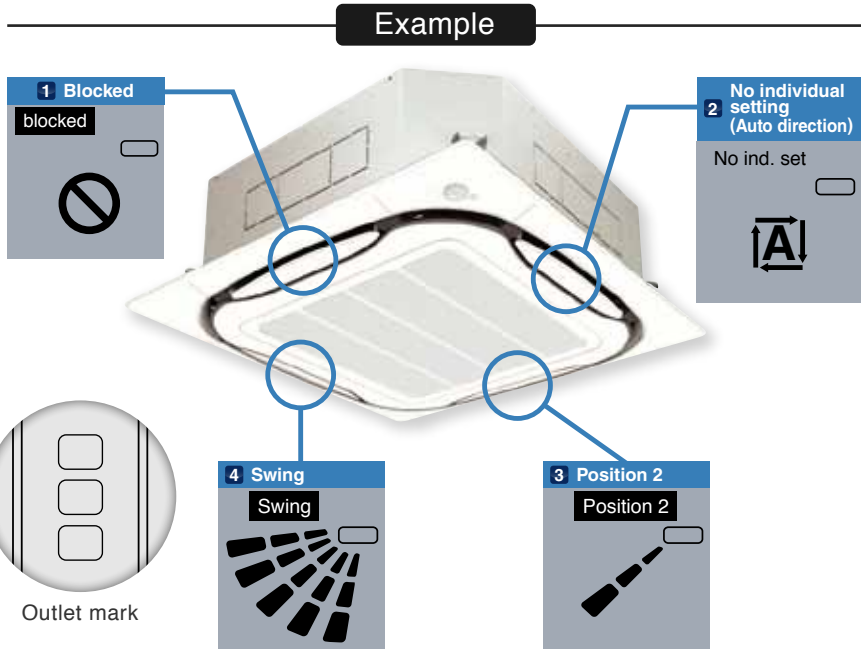
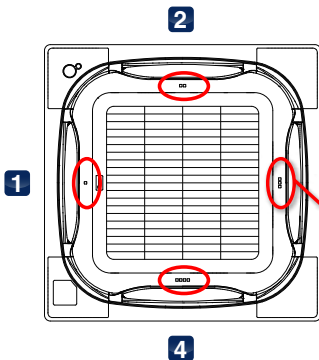
Individual airflow direction control

■ Individual airflow setting

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

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

Individual setting list		
Unit1	Outletmark	Air direc.
	<input type="checkbox"/>	blocked
	<input type="checkbox"/>	Auto
	<input type="checkbox"/>	Position 2
	<input type="checkbox"/>	Swing
Return		

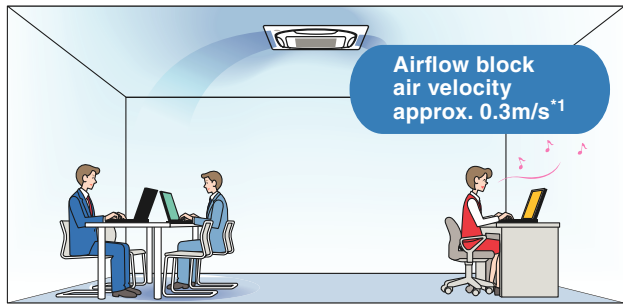


■ Airflow block function*1

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

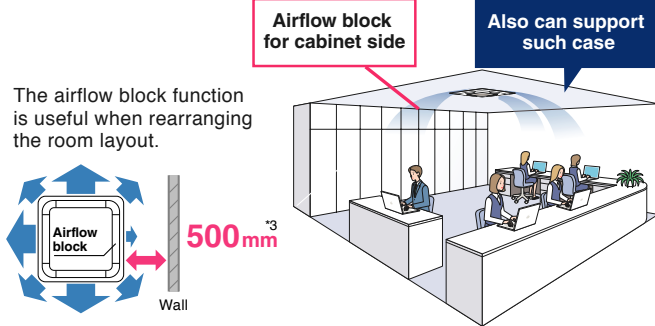
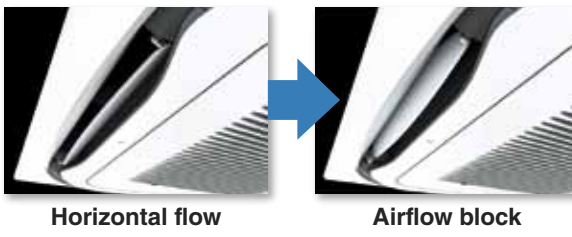
The system automatically saves energy by detecting whether or not the room is occupied. The set temperature is shifted automatically if the room is unoccupied.

- 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).



Airflow block function prevents uncomfortable drafts by reducing air velocity to approx. 0.3m/s.*2

Easy setup with remote controller



*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.

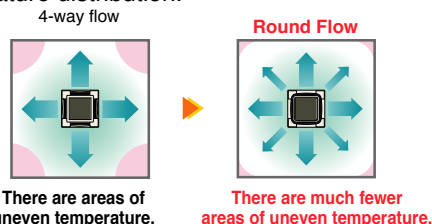
Ceiling Mounted Cassette (Round Flow) Type

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



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

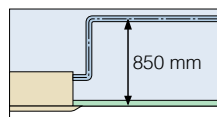
- The industry's first* Round Flow Ceiling Mounted Cassette type offers 360° airflow with improved temperature distribution.



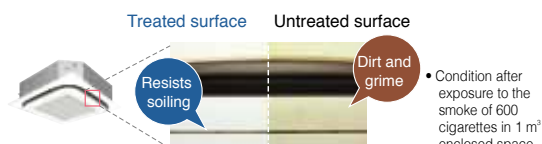
* As of April 2004, the release date for Japan.

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

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



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



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

Low operation sound level (dB(A))

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

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



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

Ceiling Mounted Cassette (Compact Multi Flow) Type

FXZQ20M / FXZQ25M / FXZQ32M
FXZQ40M / FXZQ50M



Quiet, compact, and designed for user comfort

- Dimensions correspond with 600 mm × 600 mm architectural module ceiling design specifications.

- Low operation sound level

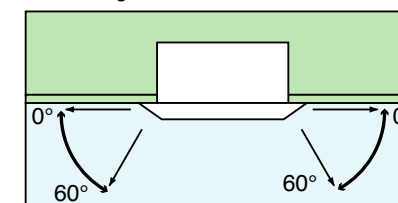
(240 V)(dB(A))

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

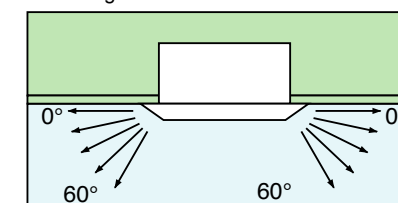
- Comfortable airflow

- Wide discharge angle: 0° to 60°

- Auto swing

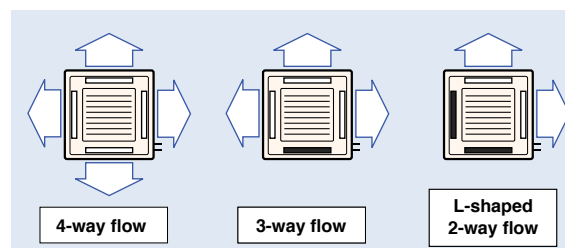


- Fixed angles: 5 levels



*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°).

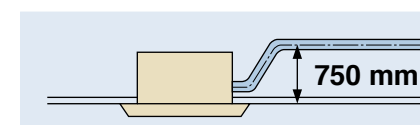
- 2-, 3-, and 4-way airflow patterns are available, enabling installation in the corner of a room.



*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.



4-Way Flow Ceiling Suspended Type

FXUQ71A / FXUQ100A



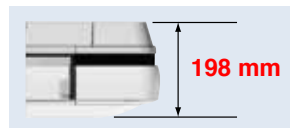
This slim and stylish indoor unit achieves optimum air distribution, and can be installed without the need for ceiling cavity.

- 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.

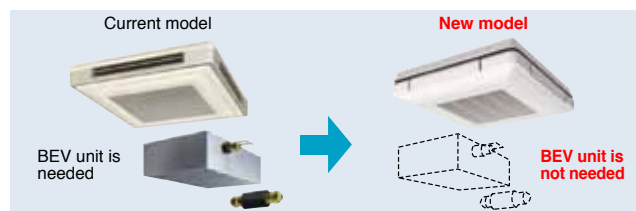


- Flaps close automatically when the unit stops, which gives a simple appearance.

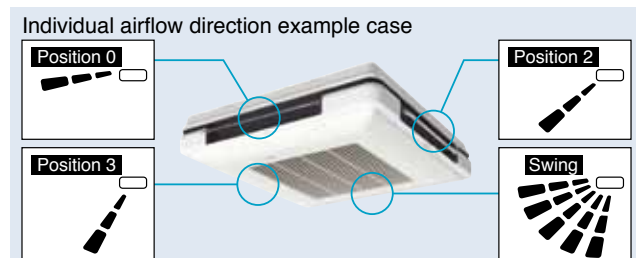
- Unified slim height of 198 mm for all models that gives the unified impression even when models with different capacities are installed in the same area.



- 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.

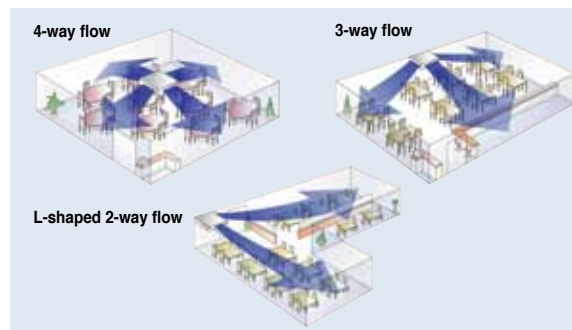


- Control of the airflow rate has been improved from 2-step to 3-step control. Auto airflow rate control can be selected with wired remote controller BRC1E62.

- 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.



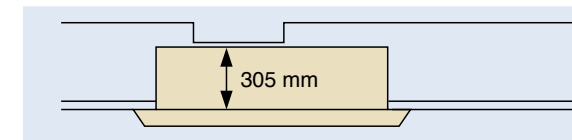
Ceiling Mounted Cassette (Double Flow) Type

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



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

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



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

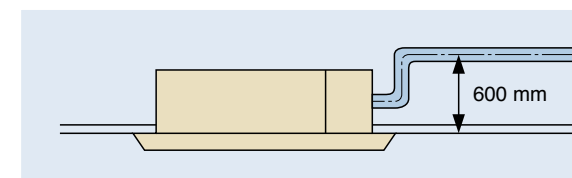
- Low operation sound level

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

- Designed with higher airflow suitable for high ceiling application up to 3 metres.

- Providing 2 different settings of standard and ceiling soiling prevention, the auto swing mechanism realises even distribution of airflow and room temperature.

- Drain pump is equipped as standard accessory with 600 mm lift.



- Two types of optional high-efficiency filter are available (65% and 95%, colourimetric method).

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

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

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

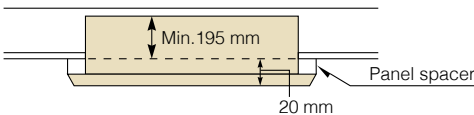
Ceiling Mounted Cassette Corner Type

FXKQ25MA / FXKQ32MA
FXKQ40MA / FXKQ63MA

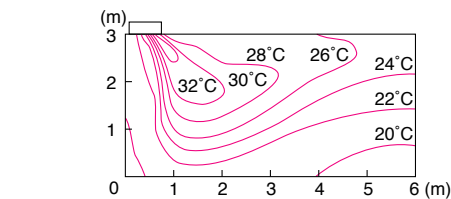
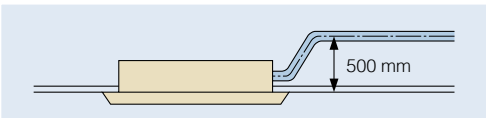


Slim design for flexible installation

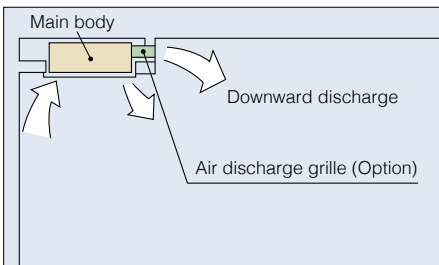
- Slim body needs only 220 mm space above the ceiling. If you use a panel spacer (option), the unit can be installed in the minimum space of 195 mm.
- Providing 3 different settings of standard, draft prevention and ceiling soiling prevention, the auto swing mechanism realises even distribution of airflow and room temperature.



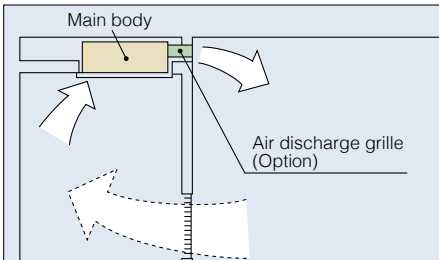
- Single-flow type allows effective air discharge from corner or from drop-ceiling.
- Drain pump is equipped as standard accessory with 500 mm lift.



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



*Set for front discharge using a suspended ceiling.



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

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

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

Slim Ceiling Mounted Duct Type (Standard Series)

Slim design, quietness and static pressure switching

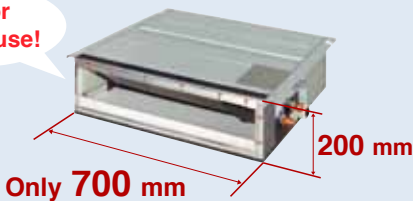


Suited to use in drop-ceilings!

FXDQ20PB / FXDQ25PB / FXDQ32PB

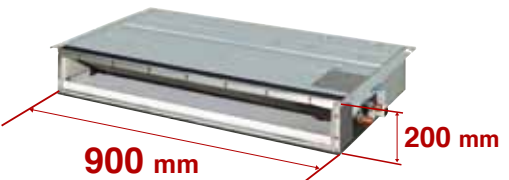
- Only 700 mm in width and 23 kg in weight, this model is suitable to install in limited spaces like drop-ceilings in hotels.

Great for hotel use!

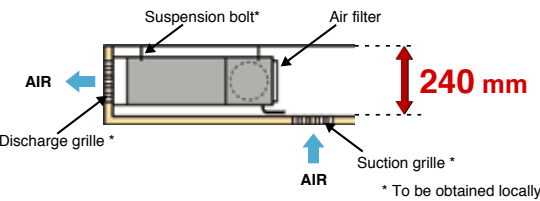


FXDQ40NB / FXDQ50NB / FXDQ63NB

- 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.

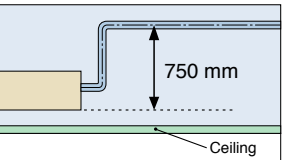


* To be obtained locally

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

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

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



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

● Low operation sound level (dB(A))

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

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

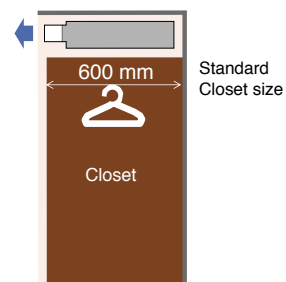
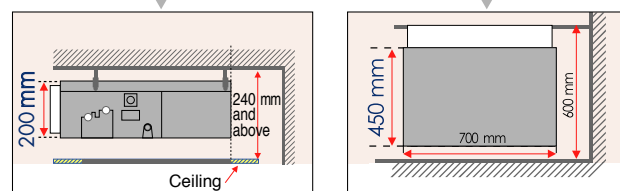
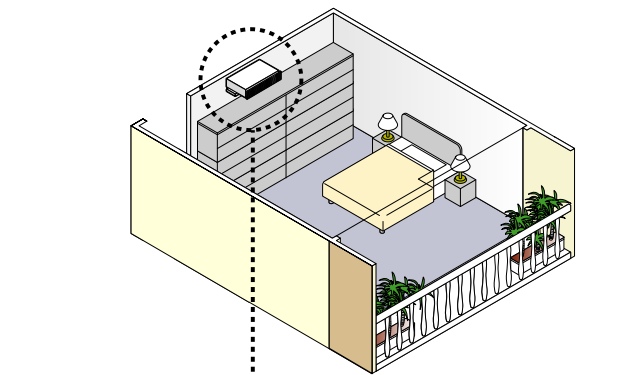
Slim Ceiling Mounted Duct Type (Compact Series)

New FXDQ20SP / FXDQ25SP / FXDQ32SP
FXDQ40SP / FXDQ50SP / FXDQ63SP

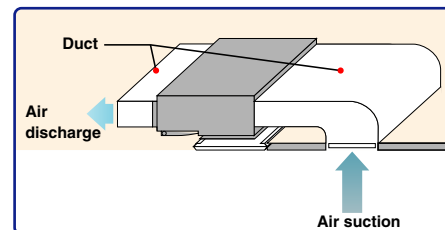
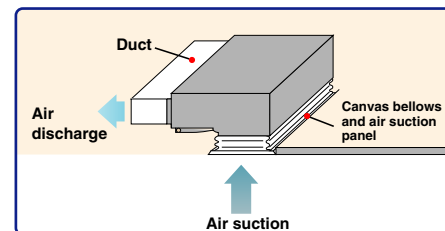


Slim and compact design for easy and flexible installation

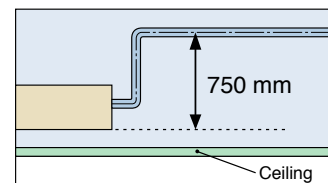
- It comes with a slim and compact design with a height of only 200 mm that requires as little as 240 mm in height for the ceiling space between the drop-ceiling and ceiling slab. The depth of the product is only 450 mm which is suitable to install in limited spaces.



- 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.



Ceiling Mounted Built-in Type

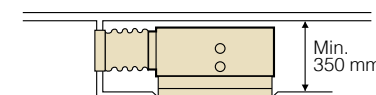
FXSYQ20M / FXSYQ25M / FXSYQ32M
FXSYQ40M / FXSYQ50M / FXSYQ63M
FXSYQ80M / FXSYQ100M / FXSYQ125M



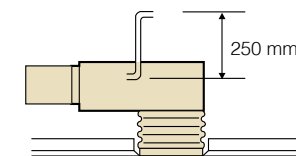
Highly flexible for various application

- Highly flexible installation is possible with a complete lineup of optional kits to satisfy various needs, such as the design concept, interior decoration and so on.

- The unit can be installed, if there is a space of 350 mm above ceiling. (when suction panel is used.)



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



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

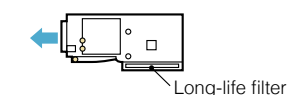
- Low operation sound level

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

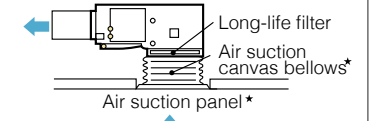
*The values of operation sound level are based on Australian Standard 1217.6-1985. Measurement is based on bottom-return air entry.

Installation examples (*Optional parts)

Standard



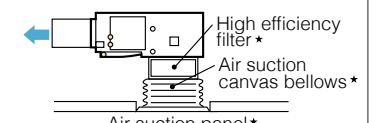
Cassette style (standard filter)



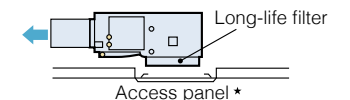
With duct



Cassette style (high efficiency filter)



Ceiling return



Ceiling Concealed (Duct) Type

FXDYQ80MA / FXDYQ100MA
FXDYQ125MA / FXDYQ145MA
FXDYQ180M / FXDYQ200M / FXDYQ250M



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

- High efficiency Hi-X heat exchanger coils that provide even more energy savings.
- High external static pressure allows comprehensive duct layout for various applications.

120 Pa for FXDYQ80MA–145MA
150 Pa for FXDYQ180M
180 Pa for FXDYQ200M
200 Pa for FXDYQ250M
- Design of indoor units allows installation in limited roof spaces.
- Return air spigots included for ease of installation for FXDYQ80MA-145MA models.
- Two external static pressure settings for added flexibility.
- Quiet yet powerful supply air fan.
- High strength galvanised steel casing.

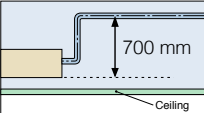


Ceiling Mounted Duct Type

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



Middle and high static pressure allows for flexible duct design

- A DC fan motor increases the external static pressure capacity range to include middle to high static pressures, increasing design flexibility.
30 Pa–100 Pa for FXMQ20P-32P
30 Pa–160 Pa for FXMQ40P
50 Pa–200 Pa for FXMQ50P-125P
50 Pa–140 Pa for FXMQ140P
- All models are only 300 mm in height, an improvement over the 390 mm height of conventional models. The weight of the FXMQ40P has been reduced from 44 kg to 28 kg.
- Drain pump is equipped as standard accessory with 700 mm lift.

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

FXMQ-P	20/25	32	40	50	63	80/100	125	140
Sound level (HH/H/L)	33/31/29	34/32/30	39/37/35	41/39/37	42/40/38	43/41/39	44/42/40	46/45/43
- Energy-efficient
 - The adopted DC fan motor is much more efficient than the conventional AC motor, yielding an approximate 20% decrease in energy consumption (FXMQ125P).



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

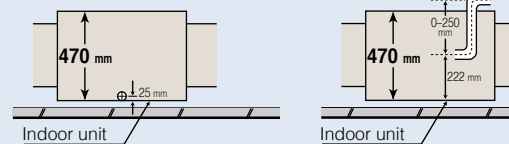
FXMQ200MA/FXMQ250MA



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

- Built-in Drain Pump (Option)
Housing the drain pump inside the unit reduces the space required for installation.

- Without drain pump
- With drain pump



Ceiling Suspended Type

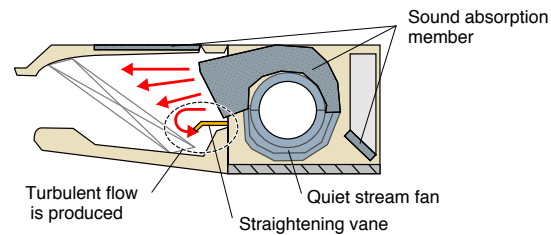
FXHQ32MA / FXHQ63MA
FXHQ100MA



Slim body with quiet and wide airflow

●Adoption of QUIET STREAM FAN

Uses the quiet stream fan and many more advanced technologies.

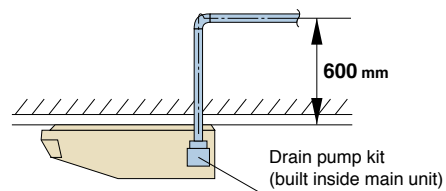


●Low operation sound level

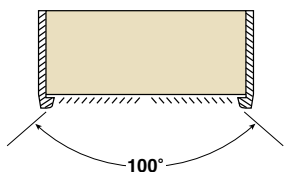
	32	63	100
FXHQ-MA			
Sound level (H/L)	36/31	39/34	45/37

●Installation is easy

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



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



●Maintenance is easy

- Non-dew Flap with no implanted bristles

Bristle-free Flap minimises contamination and makes cleaning simpler.



●Easy-to-clean flat design

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

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

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

Wall Mounted Type

FXAQ20P / FXAQ25P
FXAQ32P / FXAQ40P
FXAQ50P / FXAQ63P



Stylish flat panel design harmonised with your interior décor

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

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

●Low operation sound level

	20	25	32	40	50	63
FXAQ-P						
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.

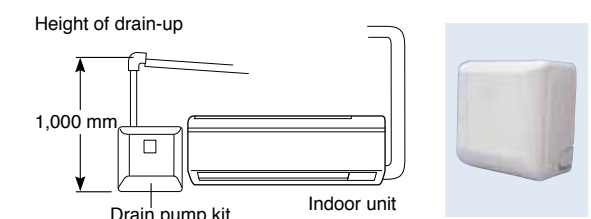
- Discharge angle is automatically set at the same angle as the previous operation when restarting. (Initial setting: 10° for cooling and 70° for heating)

●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.



Floor Standing Type

FXLQ20MA / FXLQ25MA
FXLQ32MA / FXLQ40MA
FXLQ50MA / FXLQ63MA



Suitable for perimeter zone air conditioning

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

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



Concealed Floor Standing Type

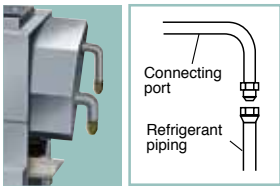
FXNQ20MA / FXNQ25MA
FXNQ32MA / FXNQ40MA
FXNQ50MA / FXNQ63MA



Designed to be concealed in the perimeter skirting-wall

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

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



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



Indoor Units

Ceiling Mounted Cassette (Round Flow with Sensing) Type



MODEL			FXFQ25SVM	FXFQ32SVM	FXFQ40SVM	FXFQ50SVM	FXFQ63SVM	FXFQ80SVM	FXFQ100SVM	FXFQ125SVM
Power supply			1-phase, 220-240 V/220-230 V, 50/60 Hz							
Cooling capacity		kcal/h	2,400	3,100	3,900	4,800	6,100	7,700	9,600	12,000
		Btu/h	9,600	12,300	15,400	19,100	24,200	30,700	38,200	47,800
		kW	2.8	3.6	4.5	5.6	7.1	9.0	11.2	14.0
Heating capacity		kcal/h	2,800	3,400	4,300	5,400	6,900	8,600	10,800	13,800
		Btu/h	10,900	13,600	17,100	21,500	27,300	34,100	42,700	54,600
		kW	3.2	4.0	5.0	6.3	8.0	10.0	12.5	16.0
Power consumption	Cooling	kW	0.031		0.041	0.080	0.095		0.194	0.219
	Heating	kW	0.027		0.037	0.075	0.090		0.180	0.199
Casing			Galvanised steel plate							
Airflow rate (H/M/L)		ℓ/s	208/191/166		241/216/183	365/291/224	391/308/224	391/324/249	549/433/316	574/458/349
		m³/min	12.5/11.5/10.0		14.5/13.0/11.0	22.0/17.5/13.5	23.5/18.5/13.5	23.5/19.5/15.0	33.0/26.0/19.0	34.5/27.5/21.0
Sound level (H/M/L)		dB(A)	30/28.5/27		31/29/27	36/32/28	38/33/28	38/35/31	44/38/32	45/40/35
Sound power (H/M/L)		dB(A)	47/45.5/44		48/46/44	53/49/45	55/50/45	55/52/48	60/54/48	61/56/51
Dimensions (H×W×D)		mm	246×840×840						288×840×840	
Machine weight		kg	19			23			26	
Piping connections	Liquid (Flare)	mm	ϕ6.4				ϕ9.5			
	Gas (Flare)		ϕ12.7				ϕ15.9			
	Drain		VP25 (External Dia, 32/Internal Dia, 25)							
Panel (Option)	Model		BYCQ125B-W1							
	Colour		Fresh white							
	Dimensions(H×W×D)	mm	50×950×950							
	Weight		kg	5.5						

Ceiling Mounted Cassette (Round Flow) Type



MODEL			FXFQ25PVE	FXFQ32PVE	FXFQ40PVE	FXFQ50PVE	FXFQ63PVE	FXFQ80PVE	FXFQ100PVE	FXFQ125PVE
Power supply			1-phase, 220-240 V/220 V, 50/60 Hz							
Cooling capacity		kcal/h	2,400	3,100	3,900	4,800	6,100	7,700	9,600	12,000
		Btu/h	9,600	12,300	15,400	19,100	24,200	30,700	38,200	47,800
		kW	2.8	3.6	4.5	5.6	7.1	9.0	11.2	14.0
Heating capacity		kcal/h	2,800	3,400	4,300	5,400	6,900	8,600	10,800	13,800
		Btu/h	10,900	13,600	17,100	21,500	27,300	34,100	42,700	54,600
		kW	3.2	4.0	5.0	6.3	8.0	10.0	12.5	16.0
Power consumption	Cooling	kW	0.033		0.047	0.052	0.066	0.093	0.187	0.209
	Heating	kW	0.027		0.034	0.038	0.053	0.075	0.174	0.200
Casing			Galvanised steel plate							
Airflow rate (HH/H/L)		ℓ/s	216/191/166		250/216/183	266/225/183	316/275/225	350/300/250	533/433/333	550/466/375
		m³/min	13/11.5/10		15/13/11	16/13.5/11	19/16.5/13.5	21/18/15	32/26/20	33/28/22.5
Sound level (HH/H/L)		dB(A)	30/28.5/27		31/29/27	32/29.5/27	34/31/28	36/33.5/31	43/37.5/32	44/39/34
Sound power (HH/H/L)		dB(A)	48/46.5/45		49/47/45	50/47.5/45	52/49/46	53/51.5/49	60/54.5/50	61/56/52
Dimensions (HxWxD)		mm	246x840x840						288x840x840	
Machine weight		kg	19.5				22		25	
Piping connections	Liquid (Flare)	mm	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						

Note: Specifications are based on the following conditions;
•Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
•Heating: Indoor temp.: 20°CDB, Outdoor temp.: 7°CDB, 6°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
•Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index. (See Engineering Data Book for details.)
•Sound level: Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre.
During actual operation, these values are normally somewhat higher as a result of ambient conditions.

Indoor Units

Ceiling Mounted Cassette (Compact Multi Flow) Type



MODEL		FXZQ20MVE	FXZQ25MVE	FXZQ32MVE	FXZQ40MVE	FXZQ50MVE
Power supply		1-phase, 220-240 V/220 V, 50/60 Hz				
Cooling capacity	kcal/h	1,900	2,400	3,100	3,900	4,800
	Btu/h	7,500	9,600	12,300	15,400	19,100
	kW	2.2	2.8	3.6	4.5	5.6
Heating capacity	kcal/h	2,200	2,800	3,400	4,300	5,400
	Btu/h	8,500	10,900	13,600	17,100	21,500
	kW	2.5	3.2	4.0	5.0	6.3
Power consumption	Cooling	kW	0.073	0.076	0.089	0.115
	Heating	kW	0.064	0.068	0.080	0.107
Casing		Galvanised steel plate				
Airflow rate (H/L)	ℓ/s	150/116		158/125	183/133	233/166
	m³/min	9/7		9.5/7.5	11/8	14/10
Sound level (H/L)	240 V	dB(A)	32/26	34/28	37/29	42/35
Sound power (H)	240 V	dB(A)	49	51	54	59
Dimensions (HxWxD)		mm				
Machine weight		kg				
Piping connections	Liquid (Flare)	mm	φ 6.4			
	Gas (Flare)		φ 12.7			
	Drain		VP20 (External Dia, 26/Internal Dia, 20)			
	Model		BYFQ60B3W1			
Panel (Option)	Colour	mm	White (6.5Y9.5/0.5)			
	Dimensions(HxWxD)		55x700x700			
	Weight		kg			

4-way Flow Ceiling Suspended Type



MODEL		FXUQ71AVEB	FXUQ100AVEB
Power supply		1-phase, 220-240 V/220-230 V, 50/60 Hz	
Cooling capacity	kcal/h	6,900	9,600
	Btu/h	27,300	38,200
	kW	8.0	11.2
Heating capacity	kcal/h	7,700	10,800
	Btu/h	30,700	42,700
	kW	9.0	12.5
Power consumption	Cooling	kW	0.090
	Heating	kW	0.073
Casing		Fresh white	
Airflow rate (H/M/L)	ℓ/s	375/325/267	517/433/350
	m³/min	22.5/19.5/16	31/26/21
Sound level (H/M/L)	dB(A)	40/38/36	47/44/40
Sound power (H/M/L)	dB(A)	58/56/54	65/62/58
Dimensions (HxWxD)		mm	
Machine weight		kg	
Piping connections	Liquid (Flare)	mm	φ 9.5
	Gas (Flare)		φ 15.9
	Drain		VP20 (External Dia, 26/Internal Dia, 20)
	Model		BYK45FJW1
Panel (Option)	Colour	mm	White (10Y9/0.5)
	Dimensions(HxWxD)		70x1,240x800
	Weight		kg

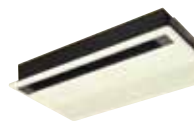
Note: Specifications are based on the following conditions;
 • Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
 • Heating: Indoor temp.: 20°CDB, Outdoor temp.: 7°CDB, 6°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
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

Ceiling Mounted Cassette (Double Flow) Type



MODEL		FXCQ20MVE	FXCQ25MVE	FXCQ32MVE	FXCQ40MVE	FXCQ50MVE	FXCQ63MVE	FXCQ80MVE	FXCQ125MVE	
Power supply		1-phase, 220-240 V/220 V, 50/60 Hz								
Cooling capacity	kcal/h	1,900	2,400	3,100	3,900	4,800	6,100	7,700	12,000	
	Btu/h	7,500	9,600	12,300	15,400	19,100	24,200	30,700	47,800	
	kW	2.2	2.8	3.6	4.5	5.6	7.1	9.0	14.0	
Heating capacity	kcal/h	2,200	2,800	3,400	4,300	5,400	6,900	8,600	13,800	
	Btu/h	8,500	10,900	13,600	17,100	21,500	27,300	34,100	54,600	
	kW	2.5	3.2	4.0	5.0	6.3	8.0	10.0	16.0	
Power consumption	Cooling	kW	0.077	0.092		0.130		0.106	0.209	0.256
	Heating	kW	0.044	0.059		0.097		0.126	0.176	0.223
Casing		Galvanised steel plate								
Airflow rate (H/L)		ℓ/s	116/83	150/108		200/150		275/216	433/350	550/416
		m³/min	7/5	9/6.5		12/9		16.5/13	26/21	33/25
Sound level (H/L)	240 V	dB(A)	34/29	36/30		37/32		39/34	41/36	46/40
Dimensions (H×W×D)		mm	305×775×600			305×990×600		305×1,175×600	305×1,665×600	
Machine weight		kg	26.0			31.0	32.0	35.0	47.0	48.0
Piping connections	Liquid (Flare)	mm	φ6.4					φ9.5		
	Gas (Flare)		φ12.7					φ15.9		
	Drain		VP25 (External Dia, 32/Internal Dia, 25)							
Panel (Option)	Model	BYBC32G-W1			BYBC50G-W1		BYBC63G-W1	BYBC125G-W1		
	Colour	White (10Y9/0.5)								
	Dimensions(H×W×D)	mm	53×1,030×680			53×1,245×680		53×1,430×680	53×1,920×680	
	Weight	kg	8.0			8.5		9.5	12.0	

Ceiling Mounted Cassette Corner Type



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

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

Indoor Units

Slim Ceiling Mounted Duct Type (Standard Series)



MODEL			FXDQ20PBVE	FXDQ25PBVE	FXDQ32PBVE	FXDQ40NBVE	FXDQ50NBVE	FXDQ63NBVE
Power supply			1-phase, 220-240 V/220 V, 50/60 Hz					
Cooling capacity		kcal/h	1,900	2,400	3,100	3,900	4,800	6,100
		Btu/h	7,500	9,600	12,300	15,400	19,100	24,200
		kW	2.2	2.8	3.6	4.5	5.6	7.1
Heating capacity		kcal/h	2,200	2,800	3,400	4,300	5,400	6,900
		Btu/h	8,500	10,900	13,600	17,100	21,500	27,300
		kW	2.5	3.2	4.0	5.0	6.3	8.0
Power consumption*1	Cooling	kW	0.086		0.089	0.160	0.165	0.181
	Heating	kW	0.067		0.070	0.147	0.152	0.168
Casing			Galvanised steel plate					
Airflow rate (HH/H/L)		ℓ/s	133/120/106			175/158/141	208/183/166	275/241/216
		m³/min	8.0/7.2/6.4			10.5/9.5/8.5	12.5/11.0/10.0	16.5/14.5/13.0
External static pressure		Pa	30-10*2			44-15*2		
Sound level (HH/H/L)*1*3		dB(A)	28/26/23		28/26/24	30/28/26	33/30/27	33/31/29
Sound power (HH/H/L)		dB(A)	56/54/51		56/54/52	58/56/54	61/58/55	61/59/57
Dimensions (HxWxD)		mm	200x700x620			200x900x620		200x1,100x620
Machine weight		kg	23			27	28	31
Piping connections	Liquid (Flare)	mm	φ6.4				φ9.5	
	Gas (Flare)		φ12.7				φ15.9	
	Drain		VP20 (External Dia, 26/Internal Dia, 20)					

Note: Specifications are based on the following conditions;
•Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
•Heating: Indoor temp.: 20°CDB, Outdoor temp.: 7°CDB, 6°CWB, Equivalent piping length: 7.5 m, Level difference: 0 m.
•Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index. (See Engineering Data Book for details.)
•Sound level: Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre.
During actual operation, these values are normally somewhat higher as a result of ambient conditions.
*1: Values are based on the following conditions: FXDQ-PB: external static pressure of 10 Pa; FXDQ-NB: external static pressure of 15 Pa.
*2: External static pressure is changeable to set by the remote controller. This pressure means "High static pressure - Standard". (Factory setting is 10 Pa for FXDQ-PB models and 15 Pa for FXDQ-NB models.)
*3: The values of operation sound level represent those for rear-suction operation. Sound level values for bottom-suction operation can be obtained by adding 5 dB(A).

Slim Ceiling Mounted Duct Type (Compact Series)



MODEL			FXDQ20SPV1	FXDQ25SPV1	FXDQ32SPV1	FXDQ40SPV1	FXDQ50SPV1	FXDQ63SPV1
Power supply			1-phase, 220-240 V, 50 Hz					
Cooling capacity		kcal/h	1,900	2,400	3,100	3,900	4,800	6,100
		Btu/h	7,500	9,600	12,300	15,400	19,100	24,200
		kW	2.2	2.8	3.6	4.5	5.6	7.1
Heating capacity		kcal/h	2,200	2,800	3,400	4,300	5,400	6,900
		Btu/h	8,500	10,900	13,600	17,100	21,500	27,300
		kW	2.5	3.2	4.0	5.0	6.3	8.0
Power consumption★1	Cooling	kW	0.072	0.075	0.078	0.180	0.180	0.196
	Heating	kW	0.056	0.059	0.062	0.152	0.152	0.168
Casing			Galvanised steel plate					
Airflow rate (HH/H/L)		ℓ/s	145/127/108	150/133/117	167/150/133	250/217/175		333/267/208
		m³/min	8.7/7.6/6.5	9.0/8.0/7.0	10.0/9.0/8.0	15.0/13.0/10.5		20.0/16.0/12.5
External static pressure		Pa	30-10*2			50-20*2		40-20*2
Sound level (HH/H/L)★1★3		dB(A)	33/31/29		34/32/30	35/33/31		37/35/33
Sound power (HH/H/L)		dB(A)	61/59/57		62/60/58	63/61/59		65/63/61
Dimensions (H×W×D)		mm	200×700×450			200×900×450		200×1,100×450
Machine weight		kg	17			20		23
Piping connections	Liquid (Flare)	mm	ø6.4			ø9.5		
	Gas (Flare)		ø12.7			ø15.9		
	Drain		VP20 (External Dia, 26/Internal Dia, 20)					

Note: Specifications are based on the following conditions;
•Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 5.0 m, Level difference: 0 m.
•Heating: Indoor temp.: 20°CDB, Outdoor temp.: 7°CDB, 6°CWB, Equivalent piping length: 5.0 m, Level difference: 0 m.
•Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index. (See Engineering Data Book for details.)
•Sound level: Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre.
During actual operation, these values are normally somewhat higher as a result of ambient conditions.
*1: Values are based on the following conditions: FXDQ20-32SP: external static pressure of 10 Pa; FXDQ40-63SP: external static pressure of 20 Pa.
*2: External static pressure is changeable to set by the remote controller. This pressure means "High static pressure - Standard". (Factory setting is 10 Pa for FXDQ20-32SP models and 20 Pa for FXDQ40-63SP models.)
*3: The values of operation sound level represent those for rear-suction operation. Sound level values for bottom-suction operation can be obtained by adding 5 dB(A).

Ceiling Mounted Built-in Type



MODEL		FXSYQ20MVE	FXSYQ25MVE	FXSYQ32MVE	FXSYQ40MVE	FXSYQ50MVE	FXSYQ63MVE	FXSYQ80MVE	FXSYQ100MVE	FXSYQ125MVE	
Power supply		1-phase, 220-240 V, 50 Hz									
Cooling capacity	kcal/h	1,900	2,400	3,100	3,900	4,800	6,100	7,700	9,600	12,000	
	Btu/h	7,500	9,600	12,300	15,400	19,100	24,200	30,700	38,000	47,800	
	kW	2.2	2.8	3.6	4.5	5.6	7.1	9.0	11.2	14.0	
Heating capacity	kcal/h	2,200	2,800	3,400	4,300	5,400	6,900	8,600	10,800	13,800	
	Btu/h	8,500	10,900	13,600	17,100	21,500	27,300	34,100	42,700	54,600	
	kW	2.5	3.2	4.0	5.0	6.3	8.0	10.0	12.5	16.0	
Power consumption	Cooling	kW	0.089	0.096	0.106	0.145	0.178	0.304	0.309	0.366	
	Heating	kW	0.089	0.096	0.106	0.145	0.178	0.304	0.309	0.366	
Casing		Galvanised steel plate									
Airflow rate (H/L)	ℓ/s	150/112		158/112	191/143	250/190	350/235	450/355	466/370	633/457	
	m³/min	9/6.72		9.5/6.72	11.5/8.58	15/11.4	21/14.1	27/21.3	28/22.2	38/27.42	
External static pressure		Pa	98-65-33*1		88-57-27*1	96-65-57*1	86-58-43*1	115-84-52*1	140-122-61*1	138-118-53*1	98-58*2
Sound level (H/L)	230 V	dB(A)		41/33.5		41/34.5	43/37	45/38.5		48/43	49/41.5
Sound power (H/L)	230 V	dB(A)		58/50.5		58/51.5	60/54	62/55.5		65.5/60	66/59
Dimensions (H×W×D)		mm	300X550X800			300X700X800		300X1,000X800	300X1,400X800		
Machine weight		kg	30			34	35	44	57		
Piping connections	Liquid (Flare)	mm	φ6.4					φ9.5			
	Gas (Flare)		φ12.7					φ15.9			
	Drain		VP25 (External Dia, 32/Internal Dia, 25)								
Panel (Option)	Model	BYBS32DJW1			BYBS45DJW1		BYBS71DJW1	BYBS125DJW1			
	Colour	White (10Y9/0.5)									
	Dimensions(H×W×D)	mm	55X650X500			55X800X500		55X1,100X500	55X1,500X500		
	Weight	kg	3.0			3.5		4.5	6.5		

Ceiling Concealed (Duct) Type



MODEL		FXDYQ80MAV1	FXDYQ100MAV1	FXDYQ125MAV1	FXDYQ145MAV1	FXDYQ180MAV1	FXDYQ200MAV1	FXDYQ250MAV1
Power supply		1-phase, 220-240 V, 50 Hz						
Cooling capacity	kcal/h	7,600	9,600	12,000	13,800	17,200	19,300	24,100
	Btu/h	30,000	38,200	47,400	54,600	68,200	76,400	95,500
	kW	8.8	11.2	13.9	16.0	20.0	22.4	28.0
Heating capacity	kcal/h	8,480	10,800	13,800	15,800	19,300	21,500	27,100
	Btu/h	33,800	42,700	54,600	62,800	76,400	85,300	107,500
	kW	9.9	12.5	16.0	18.4	22.4	25.0	31.5
Power consumption	Cooling	kW	0.415	0.700	0.780	0.880	0.980	1.200
	Heating	kW	0.415	0.700	0.780	0.880	0.980	1.200
Casing		Galvanised steel plate						
Airflow rate (H)	ℓ/s	510	778	852	957	1,180	1,200	1,400
	m³/min	30.6	46.7	51.1	57.4	70.8	72.0	84.0
External static pressure	Pa	120*3					150	200
Sound level (H)	240 V dB(A)	45	46	48	51			
Dimensions (HxWxD)	mm	360X1168X869		360X1478X899			500X1210X910	500X1410X910
Machine weight	kg	50	60	65	66	77	79	98
Piping connections	Liquid (Flare)	φ9.5						
	Gas (Flare)	φ15.9					φ19.1	φ22.2
	Drain	VP25 (External Dia, 32/Internal Dia, 25)					BSP 3/4 inch internal thread	

Note: Specifications are based on the following conditions;
•Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
•Heating: Indoor temp.: 20°CDB, Outdoor temp.: 7°CDB, 6°CWB, Equivalent piping length: 7.5 m, Level difference: 0 m.
•Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index. (See Engineering Data Book for details.)
•Sound level: (FXSYQ) Anechoic chamber conversion value, based on Australian Standard 1217.6-1985. Measurement is based on bottom-return air entry.
(FXDYQ) Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre.
During actual operation, these values are normally somewhat higher as a result of ambient conditions.
•For FXDYQ models, an air filter is not a standard accessory. A suitable locally obtained filter must be installed in the return air duct.
*1: External static pressure is changeable to change over the connectors inside electrical box, this pressure means "High static pressure-Standard-Low static pressure".
*2: External static pressure is changeable to change over the connectors inside electrical box, this pressure means "High static pressure-Standard".
*3: External static pressure is changeable to change over the connectors inside electrical box (High static pressure-Standard static pressure).
The data above is for high static pressure setting.

Indoor Units

Ceiling Mounted Duct Type



MODEL		FXMQ20PVE	FXMQ25PVE	FXMQ32PVE	FXMQ40PVE	FXMQ50PVE
Power supply		1-phase, 220-240 V/220 V, 50/60 Hz				
Cooling capacity	kcal/h	1,900	2,400	3,100	3,900	4,800
	Btu/h	7,500	9,600	12,300	15,400	19,100
	kW	2.2	2.8	3.6	4.5	5.6
Heating capacity	kcal/h	2,200	2,800	3,400	4,300	5,400
	Btu/h	8,500	10,900	13,600	17,100	21,500
	kW	2.5	3.2	4.0	5.0	6.3
Power consumption*1	Cooling	kW		0.056	0.060	0.128
	Heating	kW		0.069	0.073	0.182
Casing		Galvanised steel plate				
Airflow rate (HH/H/L)	ℓ/s	150/125/108		158/133/116	267/216/183	300/275/250
	m³/min	9/7.5/6.5		9.5/8/7	16/13/11	18/16.5/15
External static pressure	Pa	30-100 (50) *2			30-160 (100) *2	50-200 (100) *2
Sound level (HH/H/L)	dB(A)	33/31/29		34/32/30	39/37/35	41/39/37
Sound power (H)	dB(A)	51		52	57	59
Dimensions (HxWxD)	mm	300x550x700			300x700x700	300x1,000x700
Machine weight	kg	25			28	36
Piping connections	Liquid (Flare)	φ 6.4				
	Gas (Flare)	φ 12.7				
	Drain	VP25 (External Dia, 32/Internal Dia, 25)				

MODEL		FXMQ63PVE	FXMQ80PVE	FXMQ100PVE	FXMQ125PVE	FXMQ140PVE	
Power supply		1-phase, 220-240 V/220 V, 50/60 Hz					
Cooling capacity		kcal/h	6,100	7,700	9,600	12,000	13,800
		Btu/h	24,200	30,700	38,200	47,800	54,600
		kW	7.1	9.0	11.2	14.0	16.0
Heating capacity		kcal/h	6,900	8,600	10,800	13,800	15,500
		Btu/h	27,300	34,100	42,700	54,600	61,400
		kW	8.0	10.0	12.5	16.0	18.0
Power consumption*1	Cooling	kW	0.138	0.185	0.215	0.284	0.405
	Heating	kW	0.218	0.286	0.364	0.449	0.449
Casing		Galvanised steel plate					
Airflow rate (HH/H/L)		ℓ/s	325/292/267	417/375/333	533/450/383	650/550/466	766/649/533
		m³/min	19.5/17.5/16	25/22.5/20	32/27/23	39/33/28	46/39/32
External static pressure		Pa	50-200 (100)*2				50-140 (100)*2
Sound level (HH/H/L)		dB(A)	42/40/38	43/41/39		44/42/40	46/45/43
Sound power (H)		dB(A)	60	61		62	64
Dimensions (H×W×D)		mm	300×1,000×700		300×1,400×700		
Machine weight		kg	36		46	47	
Piping connections	Liquid (Flare)	mm	φ9.5				
	Gas (Flare)		φ15.9				
	Drain		VP25 (External Dia, 32/Internal Dia, 25)				

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

Ceiling Mounted Duct Type



MODEL		FXMQ200MAVE	FXMQ250MAVE
Power supply		1-phase, 220-240 V/220 V, 50/60 Hz	
Cooling capacity	kcal/h	19,300	24,100
	Btu/h	76,400	95,500
	kW	22.4	28.0
Heating capacity	kcal/h	21,500	27,100
	Btu/h	85,300	107,500
	kW	25.0	31.5
Power consumption	Cooling	kW	
	Heating	kW	
Casing		Galvanised steel plate	
Airflow rate (H/L)	ℓ/s	966/833	1,200/1,033
	m³/min	58/50	72/62
External static pressure	Pa	132-221*2	191-270 *2
Sound level (H/L) 240 V	dB(A)	49/45	
Dimensions (HxWxD)	mm	470x1,380x1,100	
Machine weight	kg	137	
Piping connections	Liquid (Flare)	φ9.5	
	Gas (Flare)	φ19.1	
	Drain	PS1B	

Ceiling Suspended Type



MODEL			FXHQ32MAVE	FXHQ63MAVE	FXHQ100MAVE
Power supply			1-phase, 220-240 V/220 V, 50/60 Hz		
Cooling capacity		kcal/h	3,100	6,100	9,600
		Btu/h	12,300	24,200	38,200
		kW	3.6	7.1	11.2
Heating capacity		kcal/h	3,400	6,900	10,800
		Btu/h	13,600	27,300	42,700
		kW	4.0	8.0	12.5
Power consumption	Cooling	kW	0.111	0.115	0.135
	Heating	kW	0.111	0.115	0.135
Casing			White (10Y9/0.5)		
Airflow rate (H/L)		ℓ/s	200/166	291/233	416/325
		m³/min	12/10	17.5/14	25/19.5
Sound level (H/L)		dB(A)	36/31	39/34	45/37
Dimensions (HxWxD)		mm	195x960x680	195x1,160x680	195x1,400x680
Machine weight		kg	24.0	28.0	33.0
Piping connections	Liquid (Flare)	mm	φ6.4	φ9.5	
	Gas (Flare)		φ12.7		
	Drain		φ15.9		
			VP20 (External Dia, 26/Internal Dia, 20)		

Note: Specifications are based on the following conditions;
•Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
•Heating: Indoor temp.: 20°CDB, Outdoor temp.: 7°CDB, 6°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
•Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index. (See Engineering Data Book for details.)
•Sound level: (FXMQ-MA) Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre.
(FXHQ-MA) Anechoic chamber conversion value, measured at a point 1 m in front of the unit and 1 m downward.
During actual operation, these values are normally somewhat higher as a result of ambient conditions
* 1: Power consumption values are based on conditions of rated external static pressure.
* 2: External static pressure is changeable to change over the switch inside electrical box, this pressure means "Standard-High static pressure".

Indoor Units

Wall Mounted Type

MODEL		FXAQ20PVE	FXAQ25PVE	FXAQ32PVE	FXAQ40PVE	FXAQ50PVE	FXAQ63PVE
Power supply		1-phase, 220-240 V/220 V, 50/60 Hz					
Cooling capacity	kcal/h	1,900	2,400	3,100	3,900	4,800	6,100
	Btu/h	7,500	9,600	12,300	15,400	19,100	24,200
	kW	2.2	2.8	3.6	4.5	5.6	7.1
Heating capacity	kcal/h	2,200	2,800	3,400	4,300	5,400	6,900
	Btu/h	8,500	10,900	13,600	17,100	21,500	27,300
	kW	2.5	3.2	4.0	5.0	6.3	8.0
Power consumption	Cooling	kW	0.019	0.028	0.030	0.020	0.033
	Heating	kW	0.029	0.034	0.035	0.020	0.039
Casing		White (3.0Y8.5/0.5)					
Airflow rate (H/L)	ℓ/s	125/75	133/83	142/91	200/150	250/200	316/233
	m³/min	7.5/4.5	8/5	8.5/5.5	12/9	15/12	19/14
Sound level (H/L)	dB(A)	35/31	36/31	38/31	39/34	42/37	47/41
Dimensions (HxWxD)	mm	290×795×238			290×1,050×238		
Machine weight	kg	11.0			14.0		
Piping connections	Liquid (Flare)	φ6.4					φ9.5
	Gas (Flare)	φ12.7					φ15.9
	Drain	VP13 (External Dia, 18/Internal Dia, 13)					

Floor Standing Type/Concealed Floor Standing Type

MODEL			FXLQ20MAVE	FXLQ25MAVE	FXLQ32MAVE	FXLQ40MAVE	FXLQ50MAVE	FXLQ63MAVE
			FXNQ20MAVE	FXNQ25MAVE	FXNQ32MAVE	FXNQ40MAVE	FXNQ50MAVE	FXNQ63MAVE
Power supply			1-phase, 220-240 V/220 V, 50/60 Hz					
FXLQ	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
FXNQ	Heating capacity	kcal/h	2,200	2,800	3,400	4,300	5,400	6,900
		Btu/h	8,500	10,900	13,600	17,100	21,500	27,300
		kW	2.5	3.2	4.0	5.0	6.3	8.0
Power consumption	Cooling	kW	0.049		0.090		0.110	
	Heating	kW	0.049		0.090		0.110	
Casing			FXLQ: Ivory white (5Y7.5/1)/FXNQ: Galvanised steel plate					
Airflow rate (H/L)		ℓ/s	116/100		133/100	183/141	233/183	266/200
		m³/min	7/6		8/6	11/8.5	14/11	16/12
Sound level (H/L)	240 V	dB(A)	37/34			40/35	41/36	42/37
Dimensions (H×W×D)	FXLQ	mm	600×1,000×222		600×1,140×222		600×1,420×222	
	FXNQ		610×930×220		610×1,070×220		610×1,350×220	
Machine weight	FXLQ	kg	25.0		30.0		36.0	
	FXNQ		19.0		23.0		27.0	
Piping connections	Liquid (Flare)	mm	φ6.4					φ9.5
	Gas (Flare)		φ12.7					φ15.9
	Drain		210.D.					

Note: Specifications are based on the following conditions:
•Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
•Heating: Indoor temp.: 20°CDB, Outdoor temp.: 7°CDB, 6°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
•Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index. (See Engineering Data Book for details.)
•Sound level: (FXAQ-P) Anechoic chamber conversion value, measured at a point 1 m in front of the unit and 1 m downward.
(FXLQ-MA, FXNQ-MA) Anechoic chamber conversion value, measured at a point 1.5 m in front of the unit at a height of 1.5 m.
During actual operation, these values are normally somewhat higher as a result of ambient conditions.

Outdoor Units

Heat Recovery

High-COP Type

MODEL		REYQ16THY1(E)	REYQ18THY1(E)	REYQ20THY1(E)	REYQ24THY1(E)
Combination units	REYQ8TY1(E)		REYQ8TY1(E)	REYQ8TY1(E)	REYQ8TY1(E)
	REYQ8TY1(E)		REYQ10TY1(E)	REYQ12TY1(E)	REYQ8TY1(E)
	---		---	---	REYQ8TY1(E)
Power supply		3-phase 4-wire system, 380-415 V, 50 Hz			
Cooling capacity	kcal/h	38,500	43,300	48,100	57,800
	Btu/h	153,000	172,000	191,000	229,000
	kW	44.8	50.4	55.9	67.2
Heating capacity	kcal/h	43,000	48,600	53,800	64,500
	Btu/h	171,000	193,000	213,000	256,000
	kW	50.0	56.5	62.5	75.0
Power consumption	Cooling	kW	10.3	12.2	13.8
	Heating	kW	11.4	13.0	14.9
Capacity control	%	10-100	8-100	8-100	7-100
Casing colour		Ivory white (5Y7.5/1)			
Compressor	Type	Hermetically Sealed Scroll Type			
	Motor output	kW	(3.3x1)+(3.3x1)	(3.3x1)+(4.0x1)	(3.3x1)+(3.3x1)+(3.3x1)
Airflow rate	ℓ/s	2,633+2,633	2,633+2,800	2,633+3,000	2,633+2,633+2,633
	m³/min	158+158	158+168	158+180	158+158+158
Dimensions (HxWxD)	mm	(1,657x930x765)+(1,657x930x765)			
Machine weight	kg	215+215	215+230	215+230	215+215+215
Sound level	dB(A)	59	60	61	61
Sound power	dB(A)	80	81	82	82
Operation range	Cooling	°CDB -5 to 43			
	Heating	°CWB -20 to 15.5			
	Cooling & Heating	°CWB -6 to 15.5			
Refrigerant	Type	R-410A			
	Charge	kg	9.7+9.7	9.7+9.8	9.7+9.9
Piping connections	Liquid	mm	φ12.7 (Brazing)	φ15.9 (Brazing)	φ15.9 (Brazing)
	Gas	mm	φ28.6 (Brazing)	φ28.6 (Brazing)	φ34.9 (Brazing)
	High and low pressure gas	mm	φ22.2 (Brazing)	φ22.2 (Brazing)	φ28.6 (Brazing)

MODEL		REYQ26THY1(E)	REYQ28THY1(E)	REYQ30THY1(E)	REYQ32THY1(E)
Combination units	REYQ8TY1(E)		REYQ8TY1(E)	REYQ8TY1(E)	REYQ8TY1(E)
	REYQ8TY1(E)		REYQ8TY1(E)	REYQ10TY1(E)	REYQ12TY1(E)
	REYQ10TY1(E)		REYQ12TY1(E)	REYQ12TY1(E)	REYQ12TY1(E)
Power supply		3-phase 4-wire system, 380-415 V, 50 Hz			
Cooling capacity	kcal/h	62,600	67,300	72,200	76,900
	Btu/h	248,000	267,000	286,000	305,000
	kW	72.8	78.3	83.9	89.4
Heating capacity	kcal/h	70,100	75,300	80,800	86,000
	Btu/h	278,000	299,000	321,000	341,000
	kW	81.5	87.5	94.0	100
Power consumption	Cooling	kW	17.4	19.0	20.9
	Heating	kW	18.7	20.6	22.2
Capacity control	%	6-100	6-100	5-100	5-100
Casing colour		Ivory white (5Y7.5/1)			
Compressor	Type	Hermetically Sealed Scroll Type			
	Motor output	kW	(3.3x1)+(3.3x1)+(4.0x1)	(3.3x1)+(3.3x1)+(4.9x1)	(3.3x1)+(4.9x1)+(4.9x1)
Airflow rate	ℓ/s	2,633+2,633+2,800	2,633+2,633+3,000	2,633+2,800+3,000	2,633+3,000+3,000
	m³/min	158+158+168	158+158+180	158+168+180	158+180+180
Dimensions (HxWxD)	mm	(1,657x930x765)+(1,657x930x765)+(1,657x930x765)			
Machine weight	kg	215+215+230	215+215+230	215+230+230	215+230+230
Sound level	dB(A)	61	62	62	63
Sound power	dB(A)	82	83	83	84
Operation range	Cooling	°CDB -5 to 43			
	Heating	°CWB -20 to 15.5			
	Cooling & Heating	°CWB -6 to 15.5			
Refrigerant	Type	R-410A			
	Charge	kg	9.7+9.7+9.8	9.7+9.7+9.9	9.7+9.8+9.9
Piping connections	Liquid	mm	φ19.1 (Brazing)	φ19.1 (Brazing)	φ19.1 (Brazing)
	Gas	mm	φ34.9 (Brazing)	φ34.9 (Brazing)	φ34.9 (Brazing)
	High and low pressure gas	mm	φ28.6 (Brazing)	φ28.6 (Brazing)	φ28.6 (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.
•Heating: Indoor temp.: 20°CDB, Outdoor temp.: 7°CDB, 6°CWB, Equivalent piping length: 7.5 m, Level difference: 0 m.
•Sound level: Anechoic chamber conversion value, measured at a point 1 m in front of the unit at a height of 1.5 m.
During actual operation, these values are normally somewhat higher as a result of ambient conditions.

Outdoor Units

Heat Recovery

Standard Type

MODEL			REYQ8TY1(E)	REYQ10TY1(E)	REYQ12TY1(E)	REYQ14TY1(E)	REYQ16TY1(E)	REYQ18TY1(E)		REYQ20TY1(E)	REYQ22TY1(E)	REYQ24TY1(E)	REYQ26TY1(E)	REYQ28TY1(E)	REYQ30TY1(E)	REYQ32TY1(E)	REYQ34TY1(E)
Combination units			—	—	—	—	—	—		—	REYQ10TY1(E)	REYQ12TY1(E)	REYQ12TY1(E)	REYQ12TY1(E)	REYQ12TY1(E)	REYQ16TY1(E)	REYQ16TY1(E)
Power supply			3-phase 4-wire system, 380–415 V, 50 Hz								3-phase 4-wire system, 380–415 V, 50 Hz						
Cooling capacity	kcal/h		19,300	24,100	28,800	34,400	38,700	43,000		48,200	52,900	57,600	63,200	67,500	71,800	77,400	81,700
	Btu/h		76,400	95,500	114,000	136,000	154,000	171,000		191,000	210,000	229,000	251,000	268,000	285,000	307,000	324,000
	kW		22.4	28.0	33.5	40.0	45.0	50.0		56.0	61.5	67.0	73.5	78.5	83.5	90.0	95.0
Heating capacity	kcal/h		21,500	27,100	32,300	38,700	43,000	48,200		54,200	59,300	64,500	71,000	75,300	80,400	86,000	91,200
	Btu/h		85,300	107,000	128,000	154,000	171,000	191,000		215,000	235,000	256,000	281,000	299,000	319,000	341,000	362,000
	kW		25.0	31.5	37.5	45.0	50.0	56.0		63.0	69.0	75.0	82.5	87.5	93.5	100	106
Power consumption	Cooling	kW	5.16	7.04	8.66	10.9	13.0	15.4		18.0	15.7	17.3	19.6	21.7	24.1	26.0	28.4
	Heating	kW	5.68	7.29	9.22	10.8	12.7	15.0		17.5	16.5	18.4	20.0	21.9	24.2	25.4	27.7
Capacity control			%	20-100	16-100	15-100	11-100	10-100	8-100	8-100	8-100	8-100	6-100	6-100	5-100	5-100	4-100
Casing colour			Ivory white (5Y7.5/1)								Ivory white (5Y7.5/1)						
Compressor	Type		Hermetically Sealed Scroll Type								Hermetically Sealed Scroll Type						
	Motor output	kW	3.3x1	4.0x1	4.9x1	(3.0x1)+(3.1x1)	(3.4x1)+(3.7x1)	(3.6x1)+(5.0x1)		(4.0x1)+(6.1x1)	(4.0x1)+(4.9x1)	(4.9x1)+(4.9x1)	(4.9x1)+(3.0x1)+(3.1x1)	(4.9x1)+(3.4x1)+(3.7x1)	(4.9x1)+(3.6x1)+(5.0x1)	(3.4x1)+(3.7x1)+(3.4x1)+(3.7x1)	(3.4x1)+(3.7x1)+(3.6x1)+(5.0x1)
Airflow rate	ℓ/s		2,633	2,800	3,000	3,900	3,983	3,767		4,483	2,800+3,000	3,000+3,000	3,000+3,900	3,000+3,983	3,000+3,767	3,983+3,983	3,983+3,767
	m³/min		158	168	180	234	239	226		269	168+180	180+180	180+234	180+239	180+226	239+239	239+226
Dimensions (HxWxD)	mm		1,657x930x765			1,657x1,240x765				1,657x1,240x765	(1,657x930x765)+(1,657x930x765)		(1,657x930x765)+(1,657x1,240x765)			(1,657x1,240x765)+(1,657x1,240x765)	
Machine weight	kg		215	230	230	310	310	342		342	230+230	230+230	230+310	230+310	230+342	310+310	310+342
Sound level	dB(A)		56	57	59	60	61	62		65	61	62	63	63	64	64	65
Sound power	dB(A)		77	78	80	81	82	83		86	82	83	84	84	85	85	86
Operation range	Cooling	°CDB	-5 to 43								-5 to 43						
	Heating	°CWB	-20 to 15.5								-20 to 15.5						
	Cooling & Heating	°CWB	-6 to 15.5								-6 to 15.5						
Refrigerant	Type		R-410A								R-410A						
	Charge	kg	9.7	9.8	9.9	11.8	11.8	11.8		11.8	9.8+9.9	9.9+9.9	9.9+11.8	9.9+11.8	9.9+11.8	11.8+11.8	11.8+11.8
Piping connections	Liquid	mm	φ9.5 (Brazing)	φ9.5 (Brazing)	φ12.7 (Brazing)	φ12.7 (Brazing)	φ12.7 (Brazing)	φ15.9 (Brazing)		φ15.9 (Brazing)	φ15.9 (Brazing)	φ15.9 (Brazing)	φ19.1 (Brazing)	φ19.1 (Brazing)	φ19.1 (Brazing)	φ19.1 (Brazing)	φ19.1 (Brazing)
	Gas	mm	φ19.1 (Brazing)	φ22.2 (Brazing)	φ28.6 (Brazing)	φ28.6 (Brazing)	φ28.6 (Brazing)	φ28.6 (Brazing)		φ28.6 (Brazing)	φ28.6 (Brazing)	φ34.9 (Brazing)	φ34.9 (Brazing)	φ34.9 (Brazing)	φ34.9 (Brazing)	φ34.9 (Brazing)	φ34.9 (Brazing)
	High and low pressure gas	mm	φ15.9 (Brazing)	φ19.1 (Brazing)	φ19.1 (Brazing)	φ22.2 (Brazing)	φ22.2 (Brazing)	φ22.2 (Brazing)		φ28.6 (Brazing)	φ28.6 (Brazing)	φ28.6 (Brazing)	φ28.6 (Brazing)	φ28.6 (Brazing)	φ28.6 (Brazing)	φ28.6 (Brazing)	φ28.6 (Brazing)

MODEL			REYQ36TY1(E)	REYQ38TY1(E)	REYQ40TY1(E)	REYQ42TY1(E)	REYQ44TY1(E)	REYQ46TY1(E)		REYQ48TY1(E)	REYQ50TY1(E)	REYQ52TY1(E)	REYQ54TY1(E)	REYQ56TY1(E)	REYQ58TY1(E)	REYQ60TY1(E)	
Combination units			REYQ16TY1(E)	REYQ8TY1(E)	REYQ10TY1(E)	REYQ10TY1(E)	REYQ12TY1(E)	REYQ14TY1(E)		REYQ16TY1(E)	REYQ16TY1(E)	REYQ16TY1(E)	REYQ18TY1(E)	REYQ18TY1(E)	REYQ18TY1(E)	REYQ20TY1(E)	
			REYQ10TY1(E)	REYQ10TY1(E)	REYQ12TY1(E)	REYQ16TY1(E)	REYQ16TY1(E)	REYQ16TY1(E)	REYQ16TY1(E)	REYQ16TY1(E)	REYQ16TY1(E)	REYQ16TY1(E)	REYQ18TY1(E)	REYQ18TY1(E)	REYQ20TY1(E)	REYQ20TY1(E)	REYQ20TY1(E)
			—	REYQ20TY1(E)	REYQ18TY1(E)	REYQ16TY1(E)	REYQ16TY1(E)	REYQ16TY1(E)		REYQ16TY1(E)	REYQ18TY1(E)	REYQ18TY1(E)	REYQ18TY1(E)	REYQ20TY1(E)	REYQ20TY1(E)	REYQ20TY1(E)	
Power supply			3-phase 4-wire system, 380—415 V, 50 Hz								3-phase 4-wire system, 380—415 V, 50 Hz						
Cooling capacity			kcal/h	86,900	91,200	96,300	101,000	107,000	112,000		116,000	120,000	125,000	129,000	134,000	139,000	144,000
			Btu/h	345,000	362,000	382,000	403,000	423,000	444,000		461,000	478,000	495,000	512,000	532,000	553,000	573,000
Heating capacity			kW	101	106	112	118	124	130		135	140	145	150	156	162	168
			kcal/h	97,200	103,000	108,000	114,000	119,000	125,000		129,000	134,000	139,000	144,000	151,000	157,000	163,000
			Btu/h	386,000	409,000	427,000	450,000	471,000	495,000		512,000	532,000	553,000	573,000	597,000	621,000	645,000
			kW	113	120	125	132	138	145		150	156	162	168	175	182	189
Power consumption	Cooling	kW	31.0	30.2	31.1	33.0	34.7	36.9		39.0	41.4	43.8	46.2	48.8	51.4	54.0	
	Heating	kW	30.2	30.5	31.5	32.7	34.6	36.2		38.1	40.4	42.7	45.0	47.5	50.0	52.5	
Capacity control			%	4-100	4-100	4-100	4-100	4-100	3-100		3-100	3-100	3-100	3-100	3-100	3-100	
Casing colour			Ivory white (5Y7.5/1)								Ivory white (5Y7.5/1)						
Compressor	Type	Hermetically Sealed Scroll Type								Hermetically Sealed Scroll Type							
	Motor output	kW	(3.4x1)+(3.7x1)+(4.0x1)+(6.1x1)	(3.3x1)+(4.0x1)+(4.0x1)+(6.1x1)	(4.0x1)+(4.9x1)+(3.6x1)+(5.0x1)	(4.0x1)+(3.4x1)+(3.7x1)+(3.4x1)+(3.7x1)	(4.9x1)+(3.4x1)+(3.7x1)+(3.4x1)+(3.7x1)	(3.0x1)+(3.1x1)+(3.4x1)+(3.7x1)+(3.4x1)+(3.7x1)		(3.4x1)+(3.7x1)+(3.4x1)+(3.7x1)+(3.4x1)+(3.7x1)	(3.4x1)+(3.7x1)+(3.6x1)+(5.0x1)+(3.6x1)+(5.0x1)	(3.4x1)+(3.7x1)+(3.6x1)+(5.0x1)	(3.6x1)+(5.0x1)+(3.6x1)+(5.0x1)	(3.6x1)+(5.0x1)+(3.6x1)+(5.0x1)+(4.0x1)+(6.1x1)	(3.6x1)+(5.0x1)+(4.0x1)+(6.1x1)	(4.0x1)+(6.1x1)+(4.0x1)+(6.1x1)	
Airflow rate	ℓ/s		3,983+4,483	2,633+2,800+4,483	2,800+3,000+3,767	2,800+3,983+3,983	3,000+3,983+3,983	3,900+3,983+3,983		3,983+3,983+3,983	3,983+3,983+3,767	3,983+3,767+3,767	3,767+3,767+3,767	3,767+4,483+4,483	3,767+4,483+4,483	4,483+4,483+4,483	
	m³/min		239+269	158+168+269	168+180+226	168+239+239	180+239+239	234+239+239		239+239+239	239+239+226	239+226+226	226+226+226	226+226+269	226+269+269	269+269+269	
Dimensions (HxWxD)			mm	(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)		(1,657x1,240x765)+(1,657x1,240x765)+(1,657x1,240x765)							
Machine weight			kg	310+342	215+230+342	230+230+342	230+310+310	230+310+310		310+310+310	310+310+342	310+342+342	342+342+342	342+342+342	342+342+342	342+342+342	
Sound level			dB(A)	66	66	65	65	65		66	66	66	67	68	69	70	
Sound power			dB(A)	87	87	86	86	86		87	87	87	88	89	90	91	
Operation range	Cooling	°CDB	-5 to 43								-5 to 43						
	Heating	°CWB	-20 to 15.5								-20 to 15.5						
	Cooling & Heating	°CWB	-6 to 15.5								-6 to 15.5						
Refrigerant	Type	R-410A								R-410A							
	Charge	kg	11.8+11.8	9.7+9.8+11.8	9.8+9.9+11.8	9.8+11.8+11.8	9.9+11.8+11.8	11.8+11.8+11.8		11.8+11.8+11.8	11.8+11.8+11.8	11.8+11.8+11.8	11.8+11.8+11.8	11.8+11.8+11.8	11.8+11.8+11.8	11.8+11.8+11.8	
Piping connections	Liquid	mm	φ19.1 (Brazing)	φ19.1 (Brazing)	φ19.1 (Brazing)	φ19.1 (Brazing)	φ19.1 (Brazing)	φ19.1 (Brazing)		φ19.1 (Brazing)	φ19.1 (Brazing)	φ19.1 (Brazing)	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)	φ41.3 (Brazing)	φ41.3 (Brazing)		φ41.3 (Brazing)	φ41.3 (Brazing)	φ41.3 (Brazing)	φ41.3 (Brazing)	φ41.3 (Brazing)	φ41.3 (Brazing)	φ41.3 (Brazing)	
	High and low pressure gas	mm	φ28.6 (Brazing)	φ34.9 (Brazing)	φ34.9 (Brazing)	φ34.9 (Brazing)	φ34.9 (Brazing)	φ34.9 (Brazing)		φ34.9 (Brazing)	φ34.9 (Brazing)	φ34.9 (Brazing)	φ34.9 (Brazing)	φ34.9 (Brazing)	φ34.9 (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,

Outdoor Unit Combinations

High-COP Type

Class	kW	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
16	44.8	400	REYQ16TH	REYQ8T x 2	BHFP26P90	200 to 520 (640)	26 (32)
18	50.4	450	REYQ18TH	REYQ8T + REYQ10T		225 to 585 (720)	29 (36)
20	55.9	500	REYQ20TH	REYQ8T + REYQ12T		250 to 650 (800)	32 (40)
24	67.2	600	REYQ24TH	REYQ8T x 3	BHFP26P136	300 to 780 (780)	39 (39)
26	72.8	650	REYQ26TH	REYQ8Tx 2 + REYQ10T		325 to 845 (845)	42 (42)
28	78.3	700	REYQ28TH	REYQ8Tx 2 + REYQ12T		350 to 910 (910)	45 (45)
30	83.9	750	REYQ30TH	REYQ8T+ REYQ10T+ REYQ12T		375 to 975 (975)	48 (48)
32	89.4	800	REYQ32TH	REYQ8T+ REYQ12Tx 2		400 to 1,040 (1,040)	52 (52)

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 14 for notes on connection capacity of indoor units.

Standard Type

Class	kW	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
8	22.4	200	REYQ8T	REYQ8T	—	100 to 260 (400)	13 (20)
10	28.0	250	REYQ10T	REYQ10T	—	125 to 325 (500)	16 (25)
12	33.5	300	REYQ12T	REYQ12T	—	150 to 390 (600)	19 (30)
14	40.0	350	REYQ14T	REYQ14T	—	175 to 455 (700)	22 (35)
16	45.0	400	REYQ16T	REYQ16T	—	200 to 520 (800)	26 (40)
18	50.0	450	REYQ18T	REYQ18T	—	225 to 585 (900)	29 (45)
20	56.0	500	REYQ20T	REYQ20T	—	250 to 650 (1,000)	32 (50)
22	61.5	550	REYQ22T	REYQ10T + REYQ12T	BHFP26P90	275 to 715 (880)	35 (44)
24	67.0	600	REYQ24T	REYQ12T x 2		300 to 780 (960)	39 (48)
26	73.5	650	REYQ26T	REYQ12T + REYQ14T		325 to 845 (1,040)	42 (52)
28	78.5	700	REYQ28T	REYQ12T + REYQ16T		350 to 910 (1,120)	45 (56)
30	83.5	750	REYQ30T	REYQ12T + REYQ18T		375 to 975 (1,200)	48 (60)
32	90.0	800	REYQ32T	REYQ16T x 2	BHFP26P136	400 to 1,040 (1,280)	52 (64)
34	95.0	850	REYQ34T	REYQ16T + REYQ18T		425 to 1,105 (1,360)	55 (64)
36	101	900	REYQ36T	REYQ16T + REYQ20T		450 to 1,170 (1,440)	58 (64)
38	106	950	REYQ38T	REYQ8T + REYQ10T + REYQ20T		475 to 1,235 (1,235)	61 (61)
40	112	1,000	REYQ40T	REYQ10T + REYQ12T + REYQ18T		500 to 1,300 (1,300)	64 (64)
42	118	1,050	REYQ42T	REYQ10T + REYQ16T x 2		525 to 1,365 (1,365)	
44	124	1,100	REYQ44T	REYQ12T + REYQ16T x 2		550 to 1,430 (1,430)	
46	130	1,150	REYQ46T	REYQ14T + REYQ16T x 2		575 to 1,495 (1,495)	
48	135	1,200	REYQ48T	REYQ16T x 3		600 to 1,560 (1,560)	
50	140	1,250	REYQ50T	REYQ16T x 2 + REYQ18T		625 to 1,625 (1,625)	
52	145	1,300	REYQ52T	REYQ16T + REYQ18T x 2		650 to 1,690 (1,690)	
54	150	1,350	REYQ54T	REYQ18T x 3		675 to 1,755 (1,755)	
56	156	1,400	REYQ56T	REYQ18T x 2 + REYQ20T		700 to 1,820 (1,820)	
58	162	1,450	REYQ58T	REYQ18T + REYQ20T x 2		725 to 1,885 (1,885)	
60	168	1,500	REYQ60T	REYQ20T x 3		750 to 1,950 (1,950)	

Note: *1. For multiple connection of 22 class 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 14 for notes on connection capacity of indoor units.

BS Units

Individual BS Unit



MODEL			BSQ100AV1		BSQ160AV1		BSQ250AV1		
Power supply			1-phase, 220-240 V, 50 Hz						
No. of branches			1						
Total capacity index of connectable indoor units			20 to 100		More than 100 but 160 or less		More than 100 but 250 or less		
No. of connectable indoor units			Max. 5		Max. 8		Max. 8		
Casing			Galvanised steel plate						
Dimensions (H×W×D)			mm	207×388×326					
Piping connections	Indoor Unit	Liquid	mm	φ9.5 (Brazing)* ¹		φ9.5 (Brazing)		φ9.5 (Brazing)	
		Gas		φ15.9 (Brazing)* ¹		φ15.9 (Brazing)* ²		φ22.2 (Brazing)* ³	
	Outdoor Unit	Liquid	mm	φ9.5 (Brazing)		φ9.5 (Brazing)		φ9.5 (Brazing)	
		Suction gas		φ15.9 (Brazing)		φ15.9 (Brazing)* ²		φ22.2 (Brazing)* ³	
		High and low pressure gas		φ12.7 (Brazing)		φ12.7 (Brazing)* ²		φ19.1 (Brazing)* ³	
Machine weight			kg	11		11		14	
Sound level			dB(A)	35(40)* ⁴		41(45)* ⁴		41(45)* ⁴	

Notes: ★1. When connecting with an indoor unit with a capacity index between 20 and 50, connect the attached pipe to the field pipe. (Brazing the connection between the attached and field pipe.)

★2. When connecting with indoor units with total capacity indexes 150 or more and 160 or less, connect the attached pipe to the field pipe. (Brazing the connection between the attached and field pipe.)

★3. When connecting with indoor units with a capacity index of 200, or with total capacity indexes more than 160 and less than 200, connect the attached pipe to the field pipe. (Brazing the connection between the attached and field pipe.)

★4. Figures in brackets () indicate maximum value of transient sound (the change of cooling and heating).
• Do not install at the place such as bed room. Small sound of refrigerant will be made, which may be disturbing.

Centralised BS Unit



4 branch



16 branch

MODEL			BS4Q14AV1	BS6Q14AV1	BS8Q14AV1	BS10Q14AV1	BS12Q14AV1	BS16Q14AV1	
Power supply			1-phase, 220-240 V, 50 Hz						
No. of branches			4	6	8	10	12	16	
Capacity index of connectable indoor units of branch			Max. 140						
Capacity index of connectable indoor units			Max. 400	Max. 600	Max. 750				
No. of connectable indoor units per branch			5						
Casing			Galvanised steel plate						
Dimensions (H×W×D)		mm	298×370×430	298×580×430		298×820×430		298×1060×430	
Piping connections	Indoor Unit	Liquid	mm	φ9.5, φ6.4 Brazing* ¹					
		Gas		φ15.9, φ12.7 Brazing* ¹					
	Outdoor Unit	Liquid	mm	φ9.5 Brazing* ²	φ12.7 Brazing* ²	φ12.7 Brazing (φ15.9)* ²	φ15.9 Brazing* ²	φ15.9 Brazing (φ19.1)* ²	φ19.1 Brazing* ²
		Suction gas		φ22.2 Brazing (φ19.1)* ²	φ28.6 Brazing* ²		φ28.6 Brazing(φ34.9)* ²		φ34.9 Brazing* ²
		High and low pressure gas		φ19.1 Brazing (φ15.9)* ²	φ19.1 Brazing (φ22.2)* ²	φ19.1 Brazing (φ22.2, 28.6)* ²	φ28.6 Brazing* ²		
Machine weight		kg	17	24	26	35	38	50	
Sound level		dB(A)	38(45)* ³	39(47)* ³		40(48)* ³		41(49)* ³	
Drain pipe size		mm	VP20 (External Dia, 26/Internal Dia, 20)						

Notes: ★1. When connecting with an indoor unit with a capacity index between 20 and 50, connect the attached pipe to the field pipe. (Brazing connection between the attached and field pipe.) In case of others, cut the outlet pipe and connect to the connecting pipe.

★2. Reducer may be required (obtain locally) if joint diameter does not fit on the triple piping side. Figures in brackets () is the size when using the attached reducer. Insulators are necessary (obtain locally) for piping connections on the outdoor unit side.

★3. Figures in brackets () indicate maximum value of transient sound (the change of cooling and heating).
• Must be installed in locations where the noise generated by the BS unit does not cause any problem.

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				KAFP55B160					
5	Fresh air intake kit	Replacement ultra long-life filter					KAFP55H160H				
		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	FXFQ25P	FXFQ32P	FXFQ40P	FXFQ50P	FXFQ63P	FXFQ80P	FXFQ100P	FXFQ125P
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		KAFP55B160							
5	Fresh air intake kit	Replacement ultra long-life filter		KAFP55H160H							
		Chamber type	Without T joint-pipe and fan	KDDP55B160							
			With T joint-pipe without fan	KDDP55B160K							
		Direct installation type		KDDP55X160							
6	Branch duct chamber			KDJP55B80						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		

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 Mounted Cassette (Double Flow) Type

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

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

Ceiling Mounted Cassette Corner Type

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

Slim Ceiling Mounted Duct Type (Standard Series)

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

Ceiling Mounted Built-in Type

No.	Item		Type	FXSYQ20M FXSYQ25M FXSYQ32M	FXSYQ40M FXSYQ50M	FXSYQ63M	FXSYQ80M FXSYQ100M FXSYQ125M
1	Panel related		Decoration panel	BYBS32DJW1	BYBS45DJW1	BYBS71DJW1	BYBS125DJW1
			Access panel	KTBJ25K36W	KTBJ25KA56W	KTBJ25KA80W	KTBJ25KA160W
2	Filter related	High efficiency filter 65% ★1		KAFJ252L36	KAF252LA56	KAF252LA80	KAF252LA160
		High efficiency filter 90% ★1		KAFJ253L36	KAF253LA56	KAF253LA80	KAF253LA160
		Long life replacement filter		KAFJ251K36	KAFJ251K56	KAFJ251K80	KAFJ251K160
		Filter chamber for bottom suction		KAJ25L36D	KAJ25LA56D	KAJ25LA80D	KAJ25LA160D
3	Air inlet related	Air suction canvas		KSA-25K36	KSA-25KA56	KSA-25KA80	KSA-25KA160
		Screening door		KBBJ25K36	KBBJ25KA56	KBBJ25KA80	KBBJ25KA160

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

Ceiling Concealed (Duct) Type

No.	Item		Type	FXDYQ80MA	FXDYQ100MA	FXDYQ125MA	FXDYQ145MA	FXDYQ180M	FXDYQ200M	FXDYQ250M
1	Run/fault status PCB						KRP1B5X			

Ceiling Mounted Duct Type

No.	Item		Type	FXMQ20P FXMQ25P FXMQ32P	FXMQ40P	FXMQ50P FXMQ63P FXMQ80P	FXMQ100P FXMQ125P FXMQ140P	FXMQ200MA FXMQ250MA
1	Drain pump kit							KDU30L250VE
2	High efficiency filter	65%		KAF372AA36	KAF372AA56	KAF372AA80	KAF372AA160	KAFJ372L280
		90%		KAF373AA36	KAF373AA56	KAF373AA80	KAF373AA160	KAFJ373L280
3	Filter chamber			KDDF37AA36	KDDF37AA56	KDDF37AA80	KDDF37AA160	KDJ3705L280
4	Long life replacement filter			KAF371AA36	KAF371AA56	KAF371AA80	KAF371AA160	KAFJ371L280
5	Long life filter chamber kit			KAF375AA36	KAF375AA56	KAF375AA80	KAF375AA160	
6	Service panel	White		KTBJ25K36W	KTBJ25KA56W	KTBJ25KA80W	KTBJ25KA160W	—
		Fresh white		KTBJ25K36F	KTBJ25K56F	KTBJ25K80F	KTBJ25K160F	
		Brown		KTBJ25K36T	KTBJ25K56T	KTBJ25K80T	KTBJ25K160T	
7	Air discharge adaptor			KDAJ25K36A	KDAJ25K56A	KDAJ25K71A	KDAJ25K140A	

Indoor Units

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	

Outdoor Units

High-COP Type

No.	Item		REYQ16THY1(E) REYQ18THY1(E)	REYQ20THY1(E)	REYQ24THY1(E) REYQ26THY1(E) REYQ28THY1(E) REYQ30THY1(E) REYQ32THY1(E)
1	Distributive piping	REFNET header	KHRP25M33H, KHRP25M72H (Max. 8 branch) (Max. 8 branch)	KHRP25M33H, KHRP25M72H, KHRP25M73H (Max. 8 branch) (Max. 8 branch) (Max. 8 branch)	
		REFNET joint	KHRP25A22T, KHRP25A33T, KHRP25A72T	KHRP25A22T, KHRP25A33T, KHRP25A72T, KHRP25A73T	
2	Pipe size reducer		KHRP25A72TP, KHRP25M72HP	KHRP25A72TP, KHRP25M72HP, KHRP25A73TP, KHRP25M73HP	
3	Outdoor unit multi connection piping kit		BHFP26P90		BHFP26P136

Standard Type

No.	Type		REYQ8TY1(E)	REYQ10TY1(E) REYQ12TY1(E)	REYQ14TY1(E) REYQ16TY1(E)	REYQ18TY1(E)
	Item					
1	Distributive piping	REFNET header	KHRP25M33H (Max. 8 branch)	KHRP25M33H, KHRP25M72H (Max. 8 branch) (Max. 8 branch)		
		REFNET joint	KHRP25A22T, KHRP25A33T	KHRP25A22T, KHRP25A33T, KHRP25A72T		
2	Pipe size reducer		—	KHRP25A72TP, KHRP25M72HP		
3	Outdoor unit multi connection piping kit		—			

No.	Item		REYQ20TY1(E)	REYQ22TY1(E) REYQ24TY1(E) REYQ26TY1(E) REYQ28TY1(E)	REYQ30TY1(E) REYQ32TY1(E) REYQ34TY1(E) REYQ36TY1(E)	REYQ38TY1(E) REYQ40TY1(E) REYQ42TY1(E) REYQ44TY1(E) REYQ46TY1(E) REYQ48TY1(E)	REYQ50TY1(E) REYQ52TY1(E) REYQ54TY1(E) REYQ56TY1(E) REYQ58TY1(E) REYQ60TY1(E)
1	Distributive piping	REFNET header	KHRP25M33H, KHRP25M72H, KHRP25M73H (Max. 8 branch) (Max. 8 branch) (Max. 8 branch)				
		REFNET joint	KHRP25A22T, KHRP25A33T, KHRP25A72T, KHRP25A73T				
2	Pipe size reducer		KHRP25A72TP, KHRP25M72HP, KHRP25A73TP, KHRP25M73HP				
3	Outdoor unit multi connection piping kit		–	BHFP26P90		BHFP26P136	

BS Units

Individual BS Unit

No.	Item	Type	BSQ100AV1	BSQ160AV1	BSQ250AV1
1	Quiet kit		KDDN26A1		
2	External control adaptor for outdoor units		DTA104A61		
3	Adaptor for multi tenant		DTA114A61		

Centralised BS Unit

No.	Item	Type	BS4Q14AV1	BS6Q14AV1	BS8Q14AV1	BS10Q14AV1	BS12Q14AV1	BS16Q14AV1
1	Closed pipe kit		KHFP26A100C					
2	Joint kit		KHFP26A250T					
3	Quiet kit		KDDN26A4	KDDN26A8		KDDN26A12		KDDN26A16

Control Systems

Operation Control System Optional Accessories

No.	Type		FXFQ-S	FXFQ-P	FXZQ-M	FXUQ-A	FXCQ-M	FXKQ-MA	FXDQ-PB FXDQ-NB	FXDQ-SP
	Item									
1	Remote controller	Wireless	BRC7F634F		BRC7E530W	BRC7CB58	BRC7C62	BRC4C61		BRC4C65
2	"Nav Ease" (Wired remote controller)									BRC1E62 <small>Note 7</small>
3	Simplified remote controller (Exposed type)								BRC2C51	—
4	Remote controller for hotel use (Concealed type)								BRC3A61	—
5	Adaptor for wiring		★KRP1C63		★KRP1BA57	—	★KRP1B61	KRP1B61	★KRP1B56	—
6-1	Wiring adaptor for electrical appendices (1)		★KRP2A62		★KRP2A62	—	★KRP2A61	KRP2A61	★KRP2A53	—
6-2	Wiring adaptor for electrical appendices (2)		★KRP4AA53		★KRP4AA53	★KRP4AA53	★KRP4AA51	KRP4AA51	★KRP4A54	—
7	Remote sensor (for indoor temperature)		KRCS01-4B		KRCS01-1B	KRCS01-4B				KRCS01-1B
8	Installation box for adaptor PCB		<small>Note 2, 3</small> KRP1H98		<small>Note 4, 6</small> KRP1BA101	KRP1BA97	<small>Note 2, 3</small> KRP1B96	—	<small>Note 4, 6</small> KRP1BA101	—
9	External control adaptor for outdoor unit		★DTA104A62		★DTA104A62	—	★DTA104A61	DTA104A61	★DTA104A53	—
10	Adaptor for multi tenant		★DTA114A61							—

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

Notes: 1. Installation box ☆ is necessary for each adaptor marked ★.
2. Up to 2 adaptors can be fixed for each installation box.
3. Only one installation box can be installed for each indoor unit.
4. Up to 2 installation boxes can be installed for each indoor unit.
5. Installation box ☆ is necessary for second adaptor.
6. Installation box ☆ is necessary for each adaptor.
7. Individual airflow direction, auto airflow rate and sensing sensor control can be set only via wired remote controller BRC1E62. Cannot be set via other remote controllers.

System Configuration

No.	Item	Model No.	Function
1	Residential central remote controller	<small>Note 2</small> DCS303A51	• Up to 16 groups of indoor units (128 units) can be easily controlled using the large LCD panel. ON/OFF, temperature settings and scheduling can be controlled individually for indoor units.
2	Central remote controller	DCS302CA61	• Up to 64 groups of indoor units(128 units) can be connected, and ON/OFF, temperature setting and monitoring can be accomplished individually or simultaneously. Connectable up to 2 controllers in one system.
2-1	Electrical box with earth terminal (3 blocks)	KJB311AA	
3	Unified ON/OFF controller	DCS301BA61	• Up to 16 groups of indoor units(128 units) can be turned, ON/OFF individually or simultaneously, and operation and malfunction can be displayed. Can be used in combination with up to 8 controllers.
3-1	Electrical box with earth terminal (2 blocks)	KJB212AA	
3-2	Noise filter (for electromagnetic interface use only)	KEK26-1A	
4	Schedule timer	DST301BA61	• Programmed time weekly schedule can be controlled by unified control for up to 64 groups of indoor units (128 units). Can turn units ON/OFF twice per day.
5	Interface adaptor for SkyAir-series	<small>Note 3</small> ★DTA112BA51	• Adaptors required to connect products other than those of the VRV System to the high-speed DIII-NET communication system adopted for the VRV System.
6	Central control adaptor kit For UAT(Y)-K(A), FD-K	★DTA107A55	• To use any of the above optional controllers, an appropriate adaptor must be installed on the product unit to be controlled.
7	Wiring adaptor for other air-conditioner	★DTA103A51	
8	DIII-NET Expander Adaptor	DTA109A51	• Up to 1024 units can be centrally controlled in 64 different groups. • Wiring restrictions (max. length: 1,000m, total wiring length: 2,000m, max. number of branches: 16) apply to each adaptor.
8-1	Mounting plate	KRP4A92	• Fixing plate for DTA109A51

Note: 1. Installation box for ★ adaptor must be obtained locally.
2. For residential use only. Cannot be used with other centralised control equipment.
3. No adaptor is required for some indoor units.

Building Management System

No.	Item				Model No.	Function
1	intelligent Touch Controller	Basic	Hardware	intelligent Touch Controller	DCS601C51	• Air-Conditioning management system that can be controlled by a compact all-in-one unit.
1-1		Option	Hardware	DIII-NET plus adaptor	DCS601A52	• Additional 64 groups (10 outdoor units) is possible.
1-2	Electrical box with earth terminal (4 blocks)				KJB411A	• Wall embedded switch box.
2	intelligent Touch Manager	Basic	Hardware	intelligent Touch Manager	DCM601A51	• Air-conditioning management system that can be controlled by touch screen.
2-1		Option	Hardware	iTM plus adaptor	DCM601A52	• Additional 64 groups (10 outdoor units) is possible. Max. 7 iTM plus adaptors can be connected to intelligent Touch Manager.
2-2			Software	iTM power proportional distribution	DCM002A51	• Power consumption of indoor units are calculated based on operation status of the indoor unit and outdoor unit power consumption measured by kWh metre.
2-3				iTM energy navigator	DCM008A51	• Building energy consumption is visualised. Wasted air-conditioning energy can be found out.
2-4				BACnet client	DCM009A51	• BACnet equipment can be managed by intelligent Touch Manager.
2-5	Di unit				DEC101A51	• 8 pairs based on a pair of ON/OFF input and abnormality input.
2-6	Dio unit				DEC102A51	• 4 pairs based on a pair of ON/OFF input and abnormality input.
3	Communication interface	*1 Interface for use in BACnet®			DMS502B51	• Interface unit to allow communications between VRV and BMS. Operation and monitoring of air-conditioning systems through BACnet® communication.
3-1		Optional DIII board			DAM411B51	• Expansion kit, installed on DMS502B51, to provide 2 more DIII-NET communication ports. Not usable independently.
3-2		Optional Di board			DAM412B51	• Expansion kit, installed on DMS502B51, to provide 16 more wattmeter pulse input points. Not usable independently.
4		*2 Interface for use in LONWORKS®			DMS504B51	• Interface unit to allow communications between VRV and BMS. Operation and monitoring of air-conditioning systems through LonWorks® communication.
5		Modbus Communication Adaptor			DTA116A51	• Use of the Modbus protocol enables the connection of the VRV system with a variety of Modbus Communication systems from other manufacturers.
6	Contact/ analogue signal	Unification adaptor for computerised control			★DCS302A52	• Interface between the central monitoring board and central control units.

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

Individual Control Systems

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



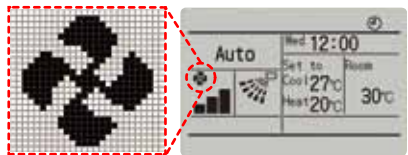
BRC1E62

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

Clear display

•Dot matrix display

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



•Backlight display

- Backlight display helps operating in dark rooms.



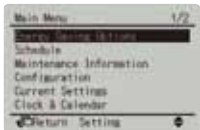
Simple operation

•Large buttons and arrow keys

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

•Guide on display

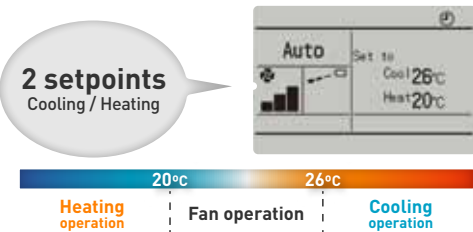
- The display gives an explanation of each setting for easy operation.



Energy saving

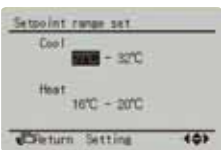
•Auto operation mode

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



•Setpoint range set

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



•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.

•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

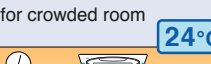
Restaurant opened

Temperature is set to 27°C



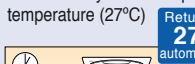
Full tables at lunchtime

Then is lowered to 24°C for crowded room



After 30 minutes*

Automatically returns to preset temperature (27°C)



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

Convenience

•Setback (default:OFF)

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

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

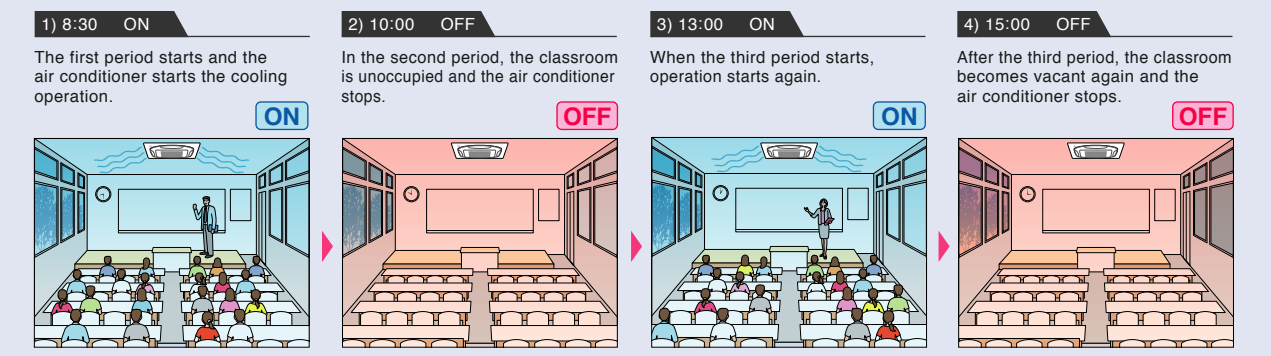
	Setback temperature	Recovery differential
Cooling	33 — 37°C	-2 — -8°C
Heating	10 — 15°C	+2 — +8°C

•Weekly schedule

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



College classroom sample (a summer Monday case)



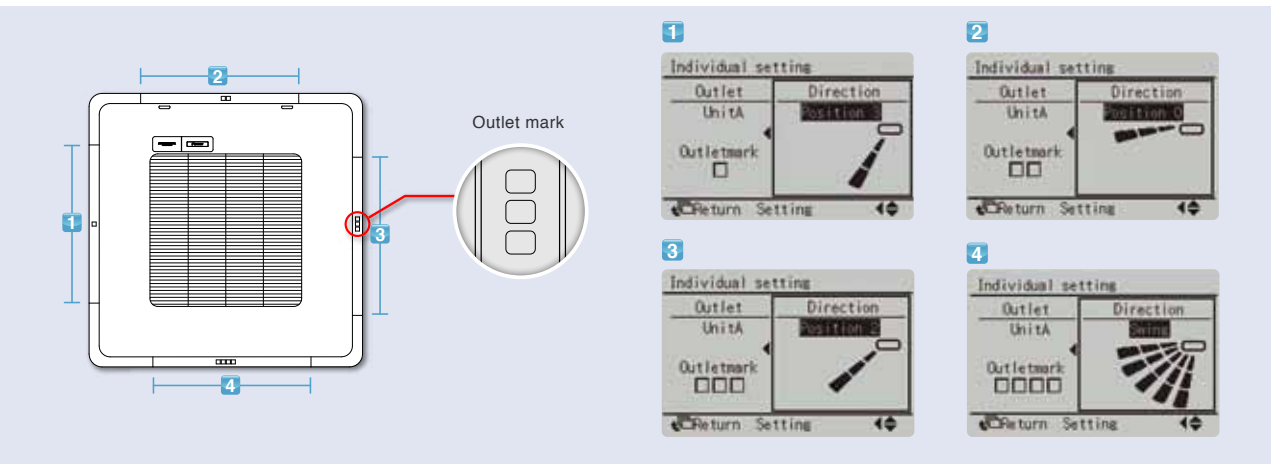
•Multilingual display

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

Comfort

•Individual airflow direction (*1)

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



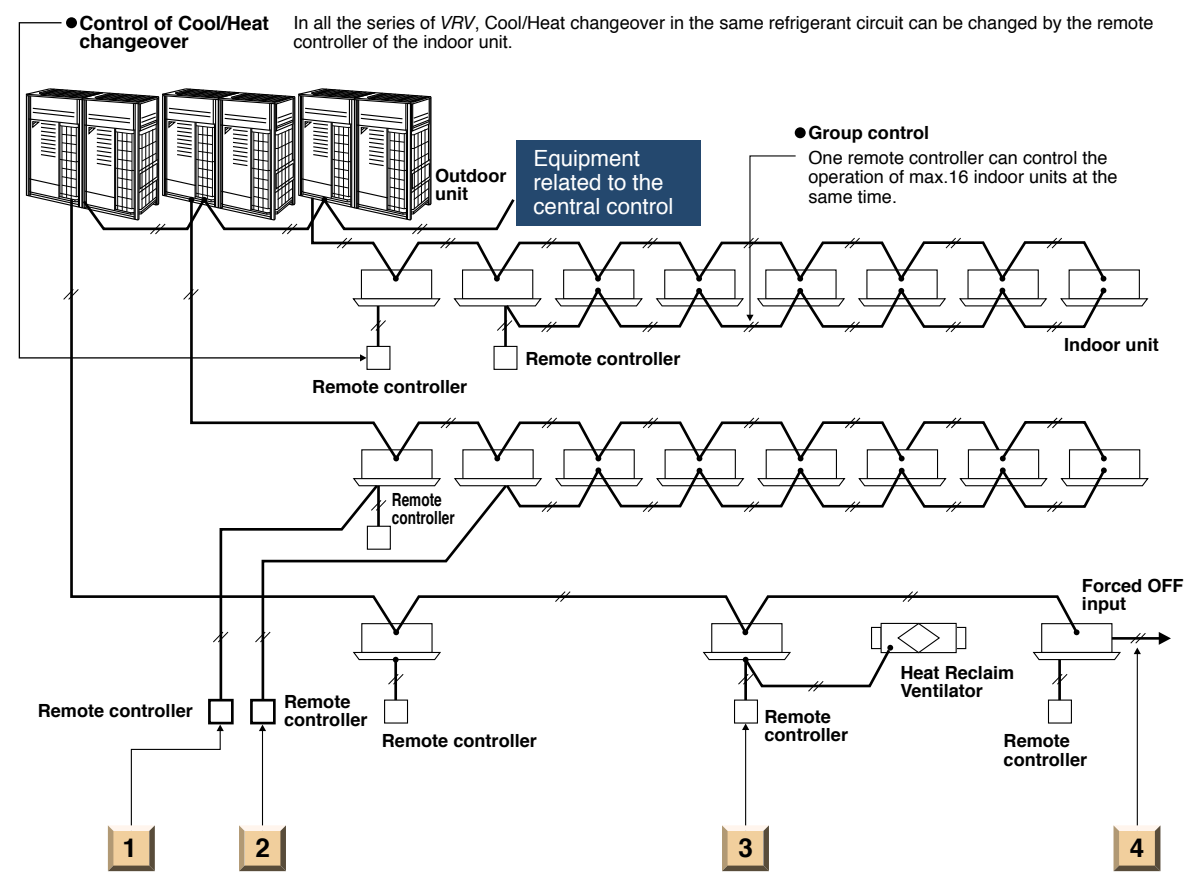
•Auto airflow rate (*1)

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

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

Individual Control Systems

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)

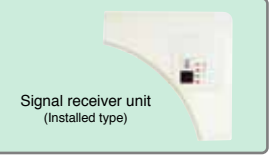


* Wireless remote controller and signal receiver unit are sold as a set.
* Refer to page 57 for the name of each model.

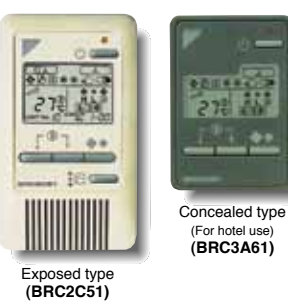
- The same operation modes and settings as with wired remote controllers are possible.
* Individual airflow direction, auto airflow rate and sensing sensor control can be set only via wired remote controller BRC1E62. Cannot be set via other remote controllers.
- A compact signal receiver unit (separate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



- 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.

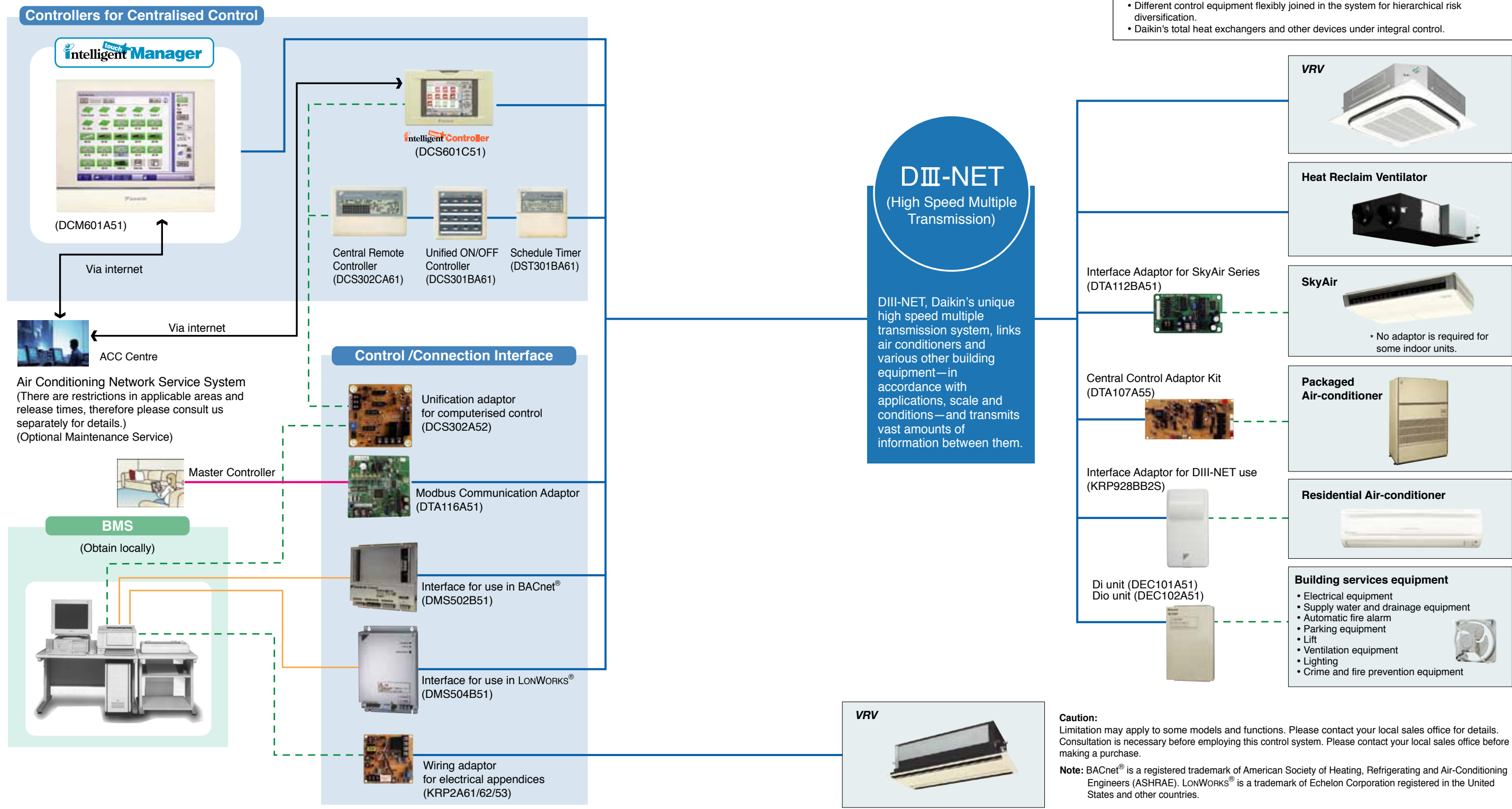
Wide variation of remote controllers

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

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

Integrated Building Monitoring System

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



Advanced Control Systems



intelligent Touch Manager maximises the advantages of VRV features

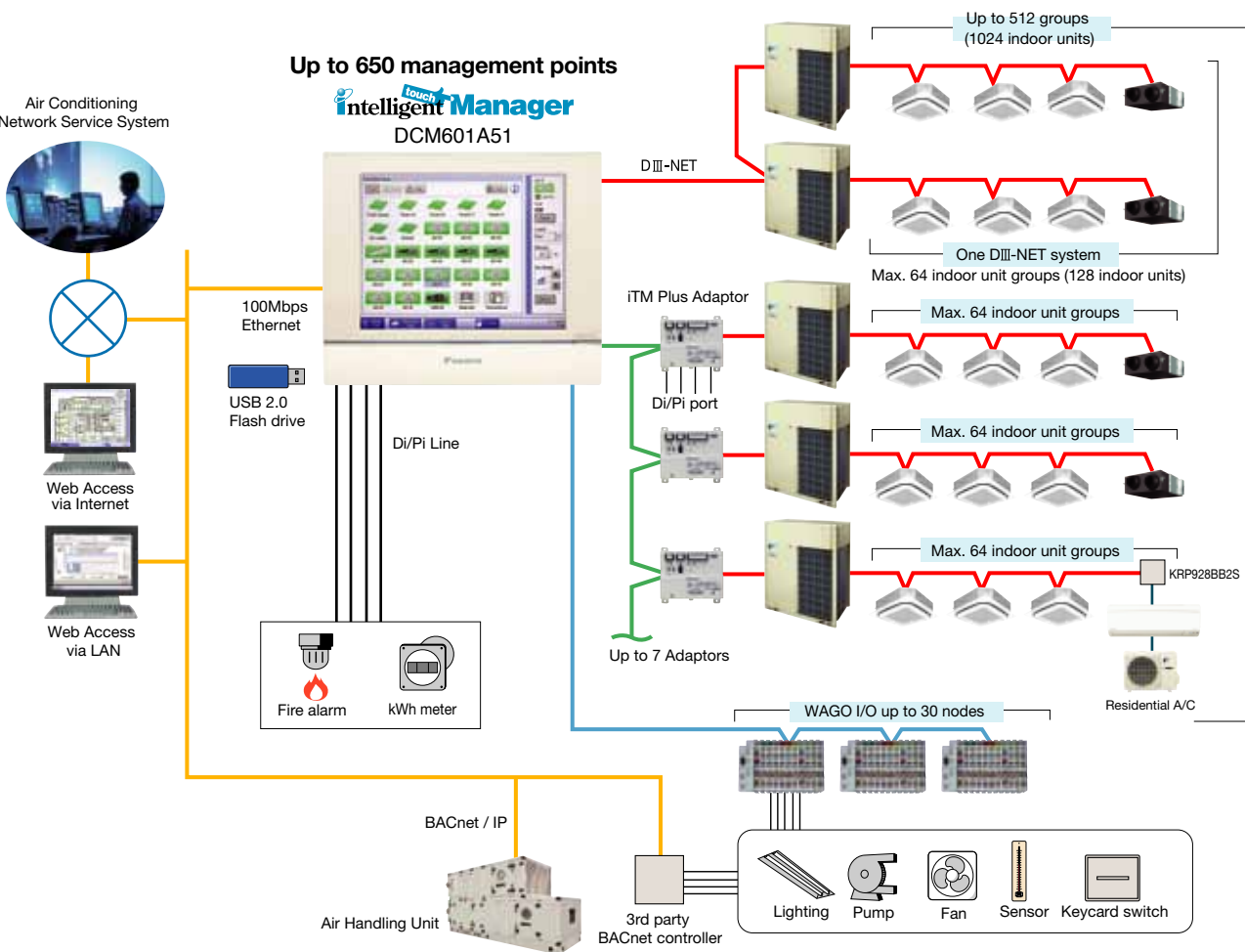
intelligent Touch Manager is an advanced multi-zone controller that provides the most cost-effective way to control and monitor the Daikin VRV system.

The 10.4" LCD touch screen is easy to use with three different screen views to include the floor plan layout view, icon view and list view and menus for system configurations.

It is also easy to use with standardized remote Web Access from your PC.

It can manage a total of 650 management points consisting of up to 512 Daikin indoor unit groups (up to 1024 indoor units) along with building equipment control / monitoring with Digital Inputs / Output (Di/Dio) , Analog Inputs / Output (Ai/Ao) and Pulse input (Pi) optional devices.

intelligent touch Manager System Overview



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.

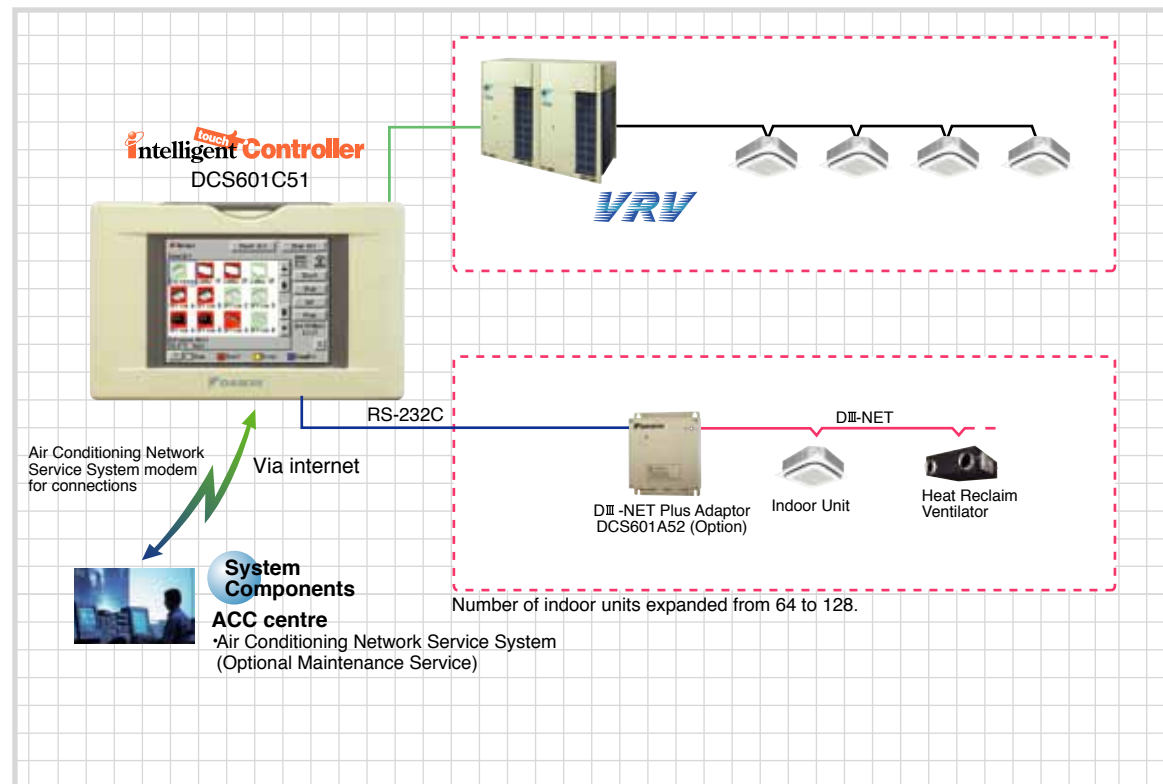
■ Connectivity

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

Advanced Control Systems

Intelligent Controller

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



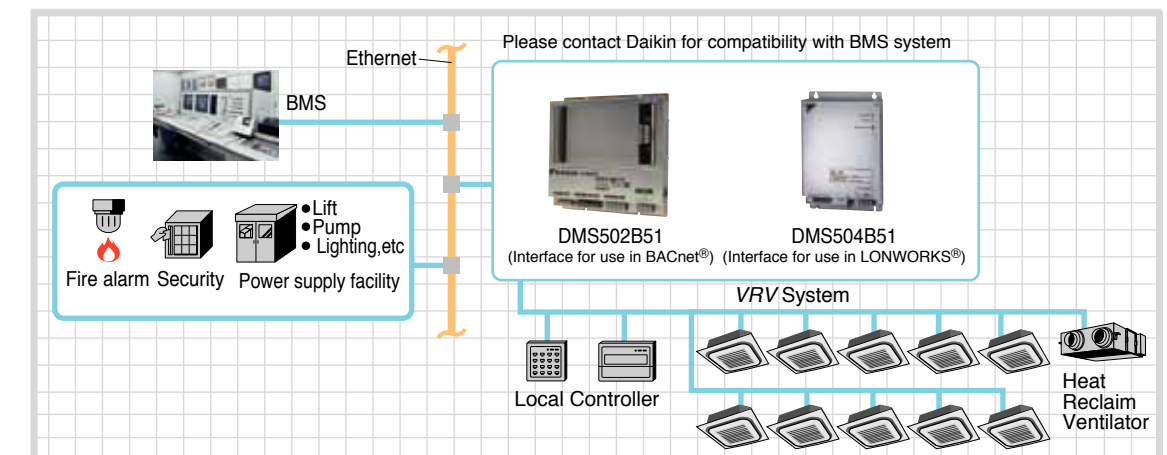
Features

- 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
- 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®

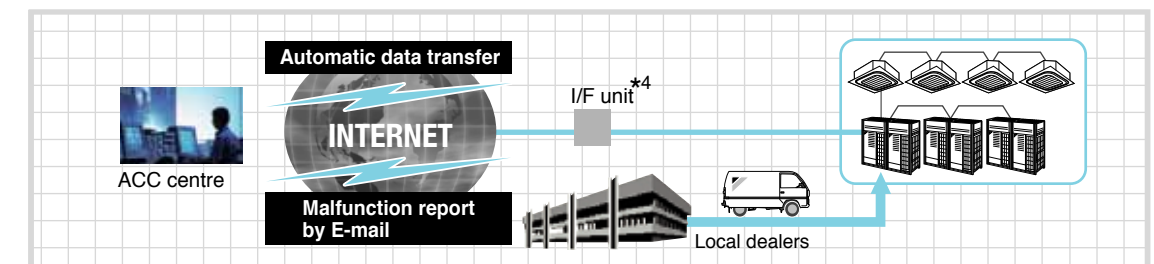
- Support for Heat Reclaim Ventilator VAM series
- Selectable temperature unit
- BTL Certification
- PPD data (Optional Di board is required.)
- ISO 16484-5 (Does not support IEEE 802.3 protocol for BACnet®)
- Up to 40 outdoor units and 256 indoor unit groups on one gateway (optional adaptor)

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).

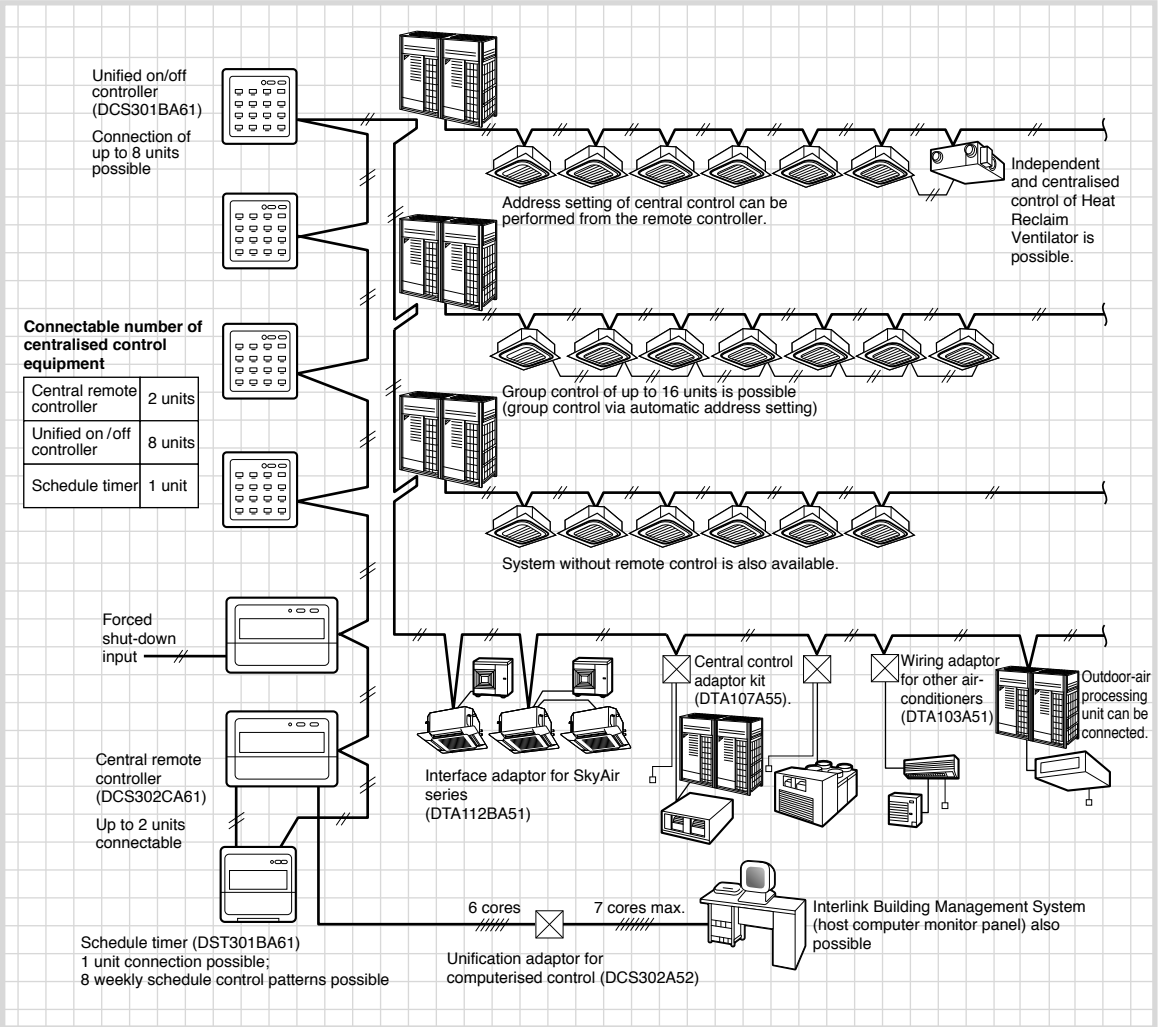
*3. LonWorks® is a trademark of Echelon Corporation registered in the United States and other countries.

*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.

Centralised Control Systems

- 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)



DCS303A51

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

- Max. 16 groups (128 indoor units) controllable
- Backlight and large LCD panel for easy readability
- ON/OFF, temperature settings and scheduling can be controlled individually for indoor units.
- All indoor units can be turned on or off at once with "ALL" button.
- Each group has a dedicated button for convenience.
- Outside temperature display
- * For residential use only. Cannot be used with other centralised control equipment.

Central remote controller (Option)



DCS302CA61

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

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

Unified ON/OFF controller (Option)



DCS301BA61

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

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

Schedule timer (Option)



DST301BA61



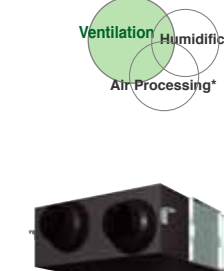
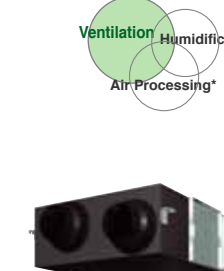
Max. 128 indoor units can be operated as programmed schedule.

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



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 enhanced performance of the thin film element. Furthermore, improved external static pressure^{★2} offers more flexibility for installation. The Heat Reclaim Ventilator VKM-GAM series units, equipped with a DX-coil and a humidifier, provide further advanced features, such as temperature adjustment to suit conditions indoors and to prevent cold air from blowing on people directly during heating operation. The series also realises significant energy savings by exercising heat recovery.

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

		Outdoor-Air Processing Unit	Heat Reclaim Ventilator		
			VKM-GAM Type	VKM-GA Type	VAM-GJ Type
					
Connections with VRV IV	Refrigerant Piping	Connectable	Connectable	Connectable	Not connectable
	Wiring	Connectable	Connectable	Connectable	Connectable
	After-cool & After-heat Control	Available	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	500 m³/h	
				650 m³/h	
			800 m³/h	800 m³/h	
		1080 m³/h	1000 m³/h	1000 m³/h	
		1680 m³/h		1500 m³/h	
		2100 m³/h		2000 m³/h	

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

Outdoor-Air Processing Unit

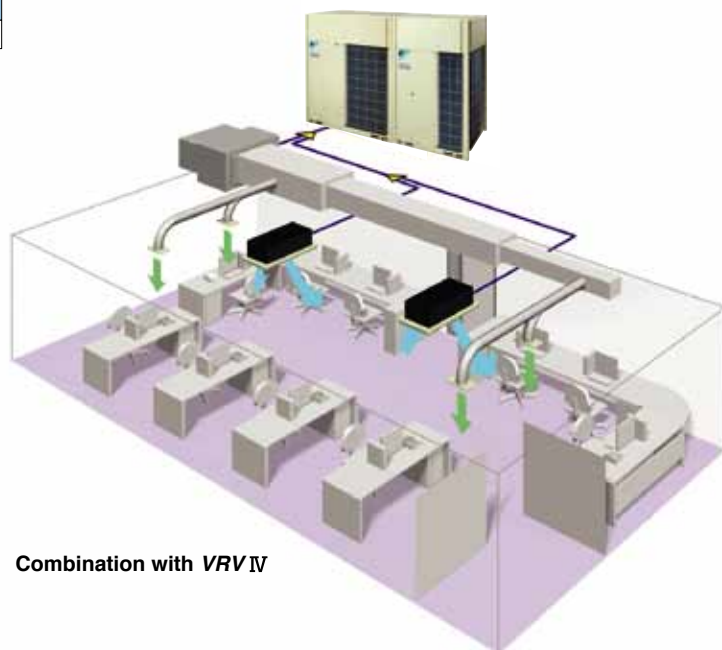
Combine fresh air treatment and air conditioning, supplied from a single system.

Lineup

Model Name	FXMQ125MFV1	FXMQ200MFV1	FXMQ250MFV1
Capacity Index	125	200	250

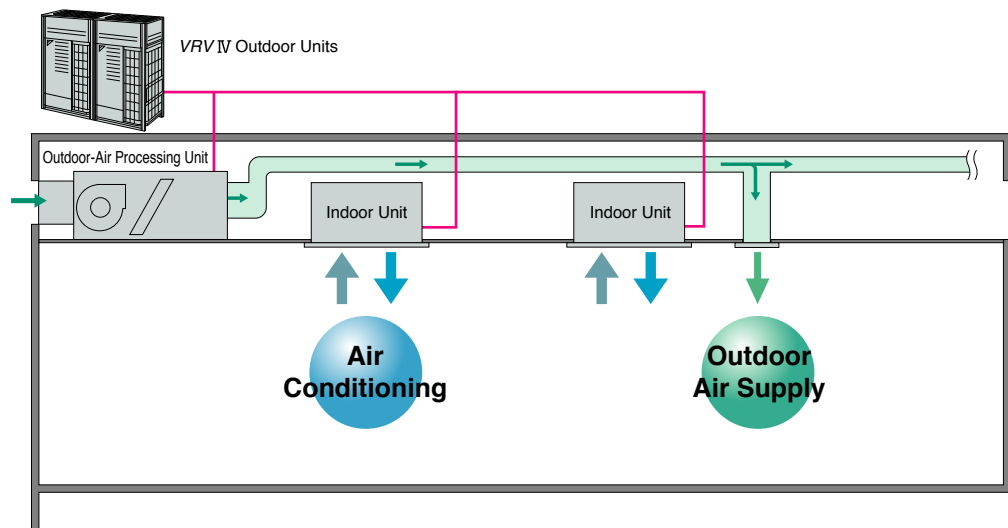


Fresh air treatment and air conditioning can be achieved with a single system by using heat pump technology—without the usual troublesome air supply and air discharge balance design. Fan coil units for air conditioning and an outdoor-air processing unit can be connected to the same refrigerant line.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



Combination with VRV IV

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.

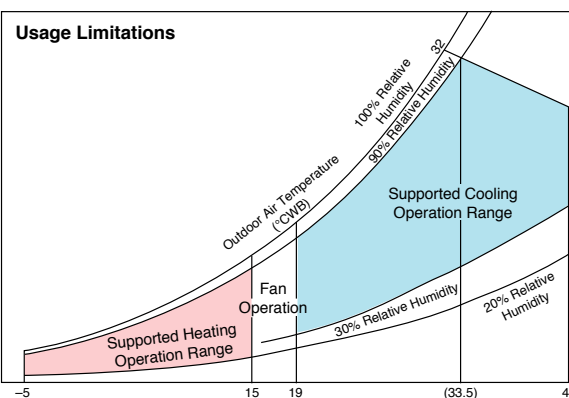
- When outdoor-air processing units are connected, the total connection capacity index must be 50% to 100% of the capacity index of the outdoor units.
- When outdoor-air processing units and standard indoor units are connected, the total connection capacity index of the outdoor-air processing units must 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 m³/h
FXMQ200MFV1	1,680 m³/h
FXMQ250MFV1	2,100 m³/h

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



Notes:

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

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

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

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



BRC1E62
"Nav Ease"
(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.

Standard specifications

Indoor unit

Type		Ceiling Mounted Duct Type		
Model		FXMQ125MFV1	FXMQ200MFV1	FXMQ250MFV1
Power supply		1-phase 220-240 V (also required for indoor units), 50 Hz		
Cooling capacity *1	kcal/h	12,000	19,300	24,100
	Btu/h	47,800	76,400	95,500
	kW	14.0	22.4	28.0
Heating capacity *1	kcal/h	7,700	12,000	15,000
	Btu/h	30,400	47,400	59,400
	kW	8.9	13.9	17.4
Power consumption	kW	0.359	0.548	0.638
Casing		Galvanised steel plate		
Dimensions (HxWxD)		mm	470X744X1,100	470X1,380X1,100
Fan	Motor output	kW	0.380	
	Airflow rate	ℓ/s	300	466
		m³/min	18	28
External static pressure	240 V	Pa	225	275
			225	255
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	240 V	dB(A)	43	48
Connectable outdoor units *4		8 class 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 *5	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.
 • Heating: Outdoor temp. of 0°CDB, -2.9°CWB (50% RH), and discharge temp. of 25°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 unit.
 *5. Local setting mode. Not displayed on the remote controller.
 • This equipment cannot be incorporated into the remote group control of the VRV IV system.

Options

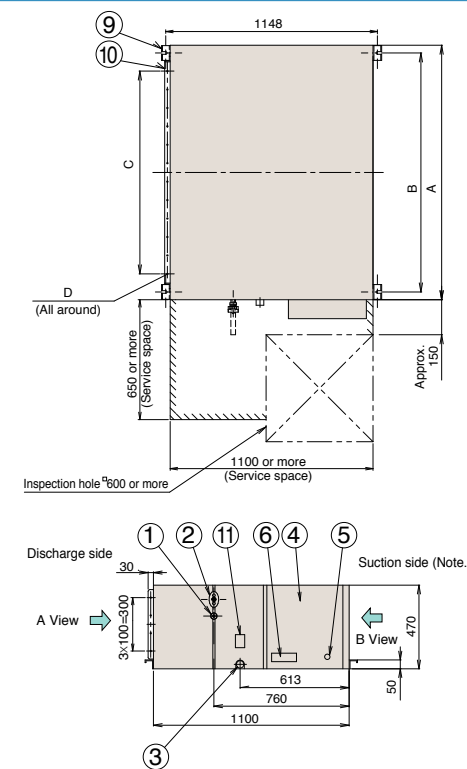
Indoor unit

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

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

Dimensions

FXMQ125/200/250MFV1



*These diagrams are based on FXMQ200 and FXMQ250MFV1.

Local connection piping size

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

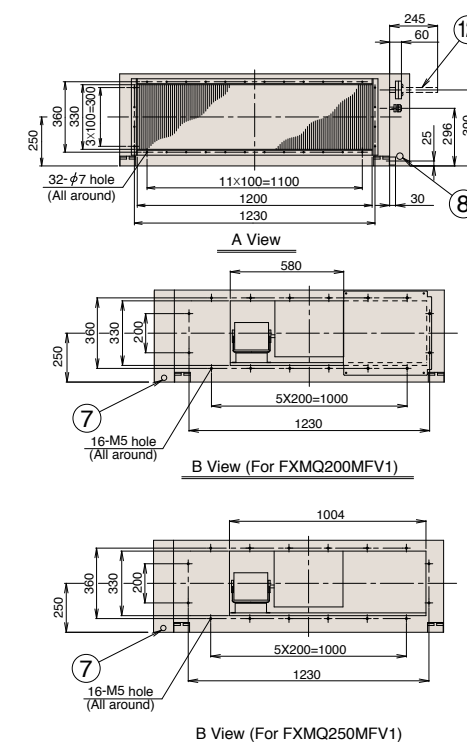
Table of dimensions

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

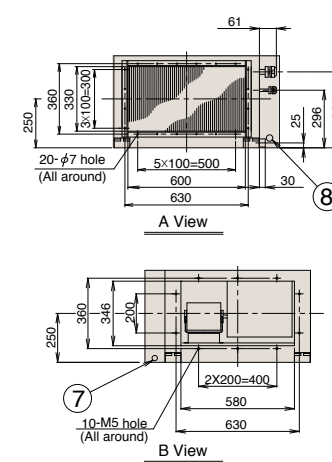
- Notes:
- The attached piping in the diagram is for FXMQ200MFV1 and FXMQ250MFV1 only. The gas piping connection port (② in the diagram) has a different bore form with FXMQ125MFV1.
 - An air filter is not supplied with this unit. Be sure to mount an air filter in the suction side. [Use a filter with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

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

FXMQ200/250MFV1

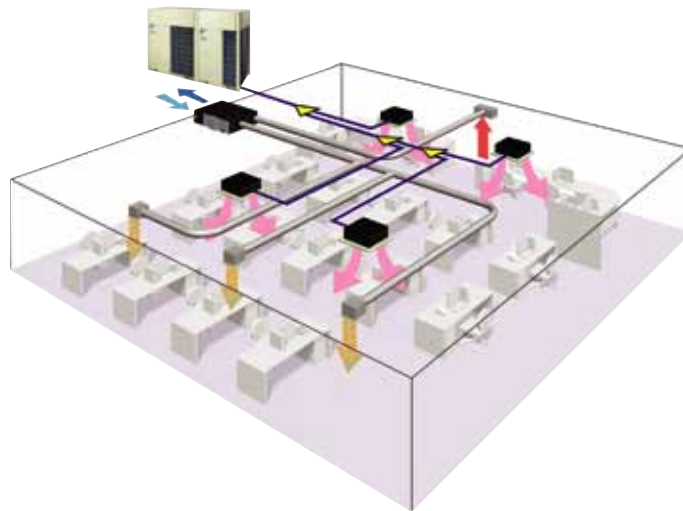


FXMQ125MFV1



Heat Reclaim Ventilator with DX-Coil and Humidifier — VKM series

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



Lineup

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

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



Humidifier

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

DX-coil

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

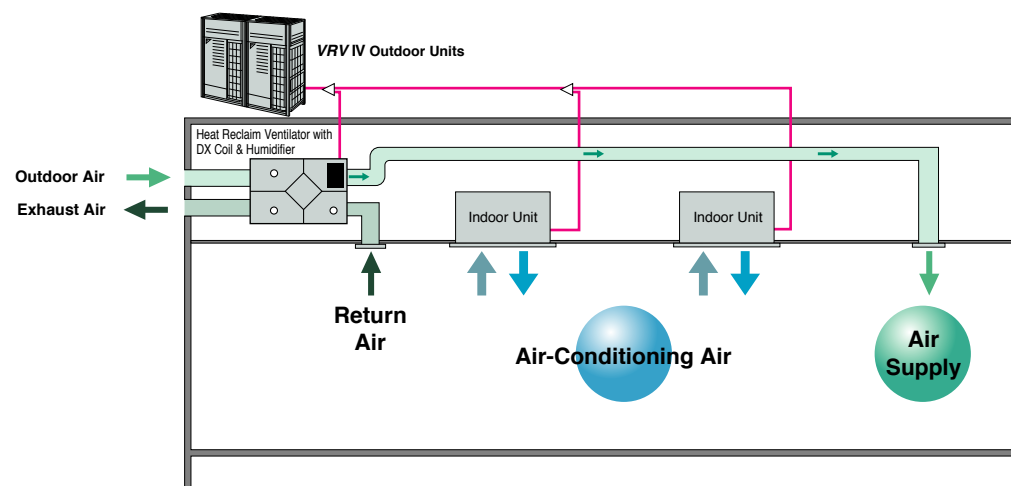
High static pressure

High external static pressure means enhanced design flexibility.

Efficient outdoor air introduction is possible

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

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

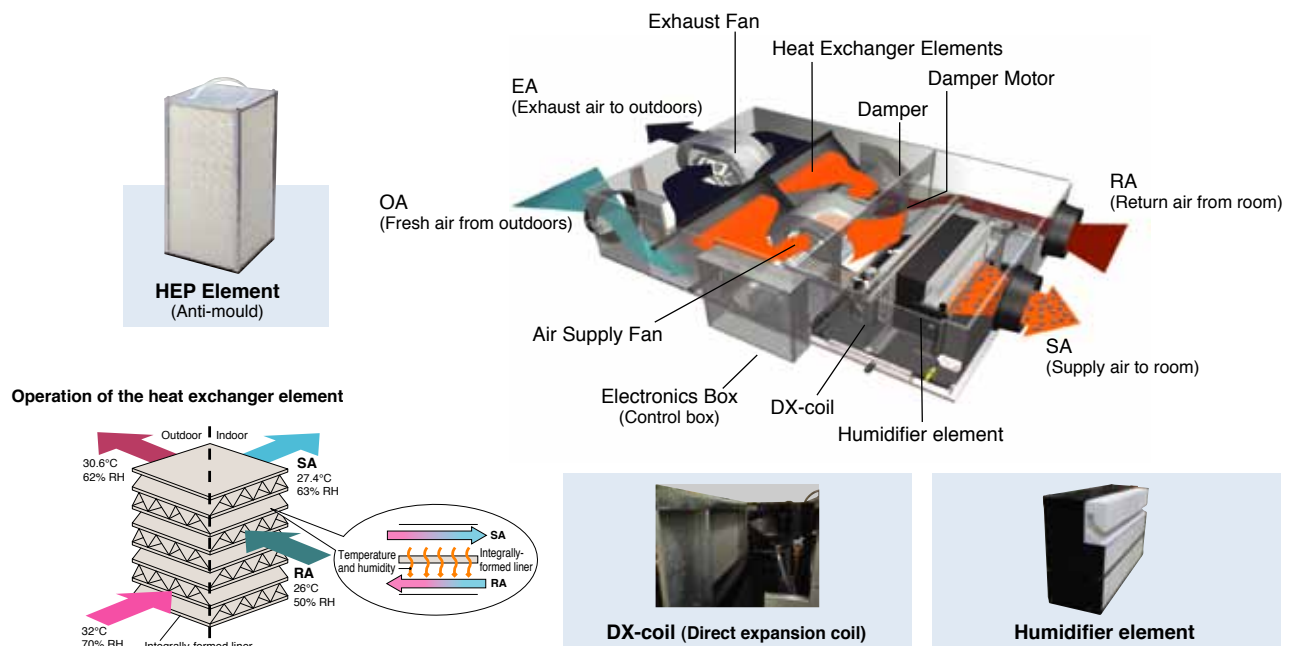


Connection Conditions

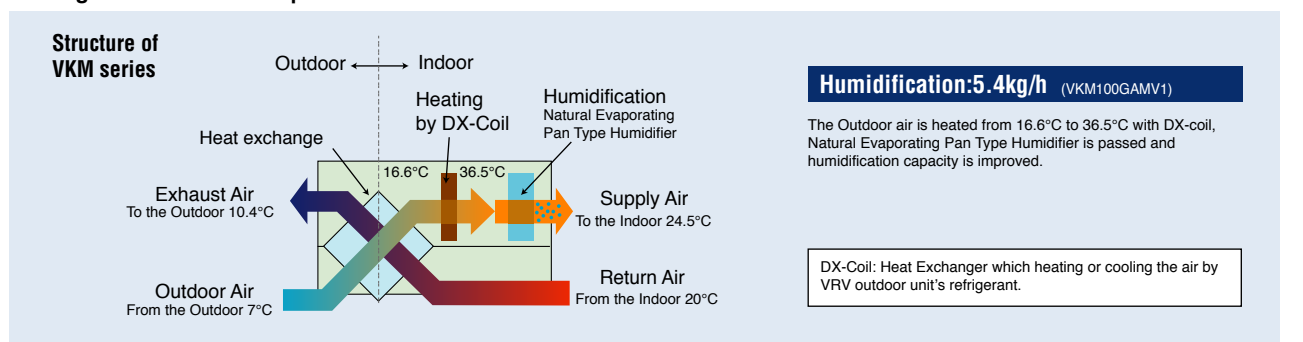
The following restrictions must be observed in order to maintain the indoor units connected to the same system.

- 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.

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



Heating and humidification process



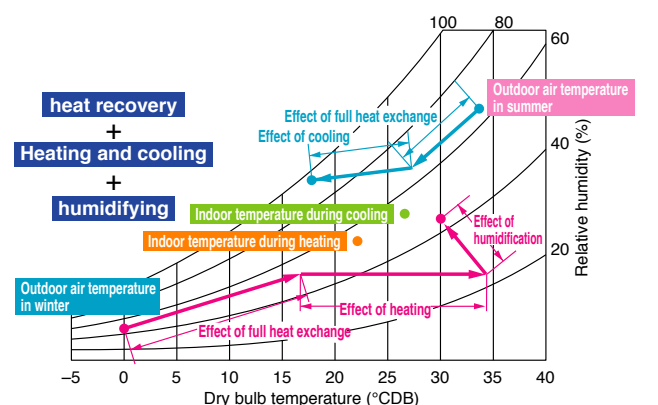
Efficient outdoor air introduction with heat exchanger and cooling/heating operation

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.

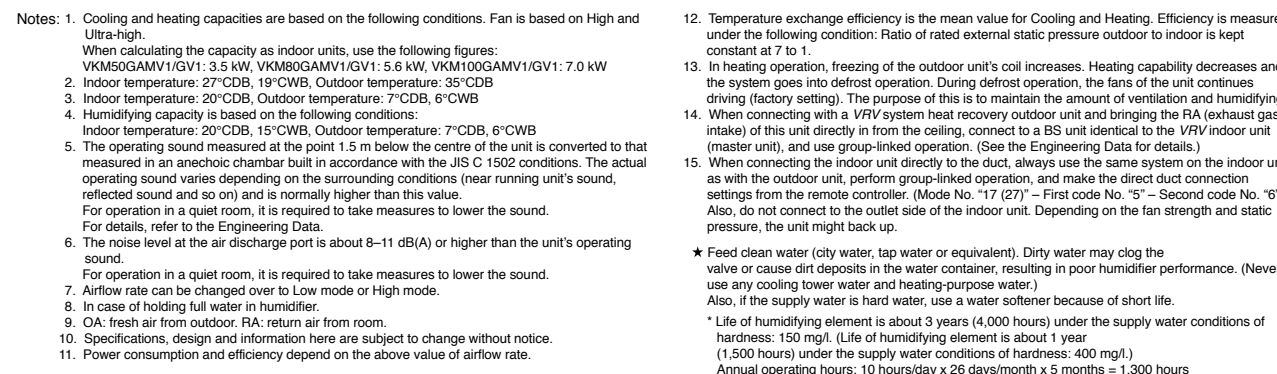


Options

Item		Type	VKM50/80/100GA(M)V1													
Controlling device	Remote controller		BRC1E62 ^{*1}													
	Centralised controlling device	Residential central remote controller	DCS303A51 ^{*2}													
		Central remote controller	DCS302CA61													
		Unified ON/OFF controller	DCS301BA61													
		Schedule timer	DST301BA61													
	PC Board Adaptor	Wiring adaptor for electrical appendices		KRP2A61												
		For humidifier running ON signal output		KRP50-2												
		For heater control kit		BRP4A50												
		For wiring	Type (indoor unit of VRV)	FXFQ-S	FXZQ-M	FXUQ-A	FXCQ-M	FXKQ-MA	FXDQ-PB	FXSYQ-M	FXDYQ-M(A)	FXMQ-P	FXMQ-MX	FXHQ-MA	FXAQ-P	FXLQ-MA
				FXFQ-P					FXDQ-NB							FXNQ-M
			KRP1C63★	KRP1BA57★	KRP1C67	KRP1B61★	KRP1B61	KRP1B56★	KRP1B61	KRP1C64★	KRP1B61	KRP1BA54	—	KRP1E62		
	Installation box for adaptor PCB☆		Notes 2, 3 KRP1H98	Note 4, 6 KRP1BA101	—	Notes 2, 3 KRP1B96	—	Notes 4, 6 KRP1BA101	Notes 5 KRP4A91	—	Notes 2, 3 KRP4A96	—	Note 3 KRP1CA93	Notes 2, 3 KRP4AA93	—	

Item			Type	VKM50GA(M)V1	VKM80GA(M)V1	VKM100GA(M)V1
Additional function	Silencer			—	KDDM24B100	
		Nominal pipe diameter	mm	—	φ 250 mm	
	Air suction/ Discharge grille	White		K-DGL200B	K-DGL250B	
		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		

VKM50/80/100GA(M)V1



Heat Reclaim Ventilator — VAM series

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

Model Names

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

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

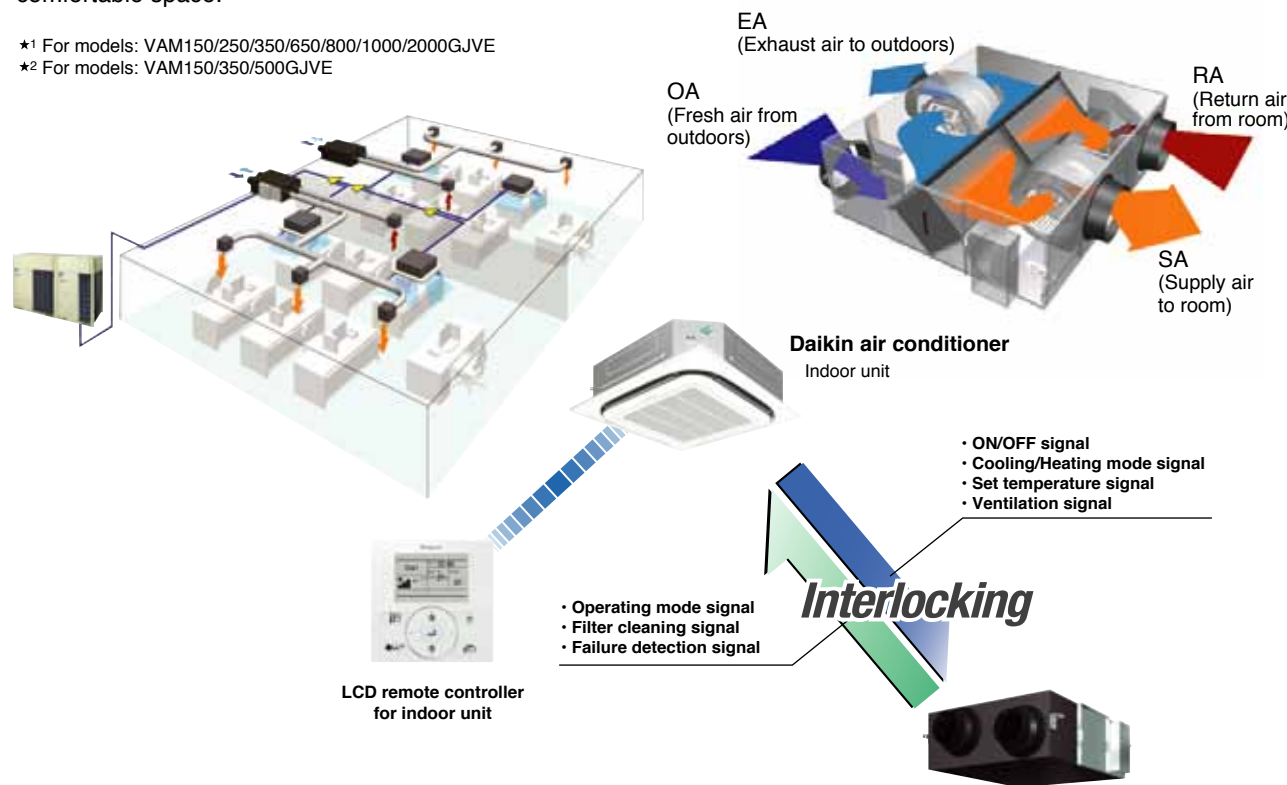


Heat Reclaim Ventilator remote controller*
BRC301B61 (Option)

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

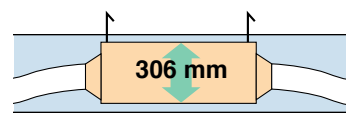
This VAM series provides higher enthalpy efficiency^{*1}, due to the greatly enhanced performance of the thin film element. Furthermore, improved external static pressure^{*2} offers more flexibility for installation. Along with these three outstanding improvements, the nighttime free cooling operation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

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



Compact Equipment

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



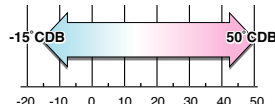
* For VAM500GJVE

Energy Conservation

Air conditioning load reduced by approximately 31%!

Cold Climate Compatible

Standard operation at temperatures down to -15°C.



Air conditioning load reduced by approximately 31%!

Total heat exchange ventilation

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

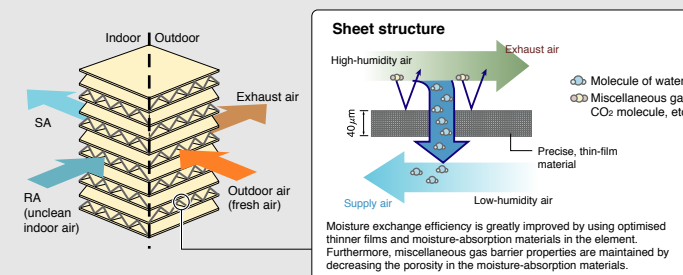
Enthalpy efficiency drastically improved by employing thin film element! (VAM-GJ model)

Due to the thinner film...

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

Moisture absorption increased by approx. 10%!

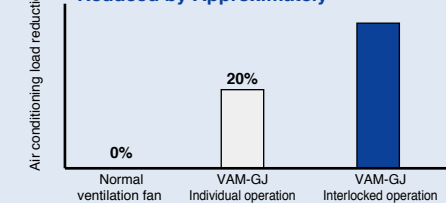
Thickness of the partition sheet
40 μm



• 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}

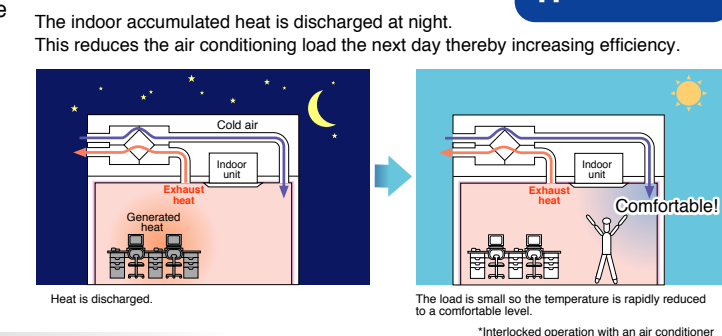
Nighttime free cooling operation is an energy-conserving function that works at night when air conditioners are off. By ventilating rooms containing office equipment that raises the room temperature, nighttime free cooling operation reduces the cooling load when air conditioners are turned on in the 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}**



CO₂ sensor optional kit connection

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

Air Treatment Equipment Lineup

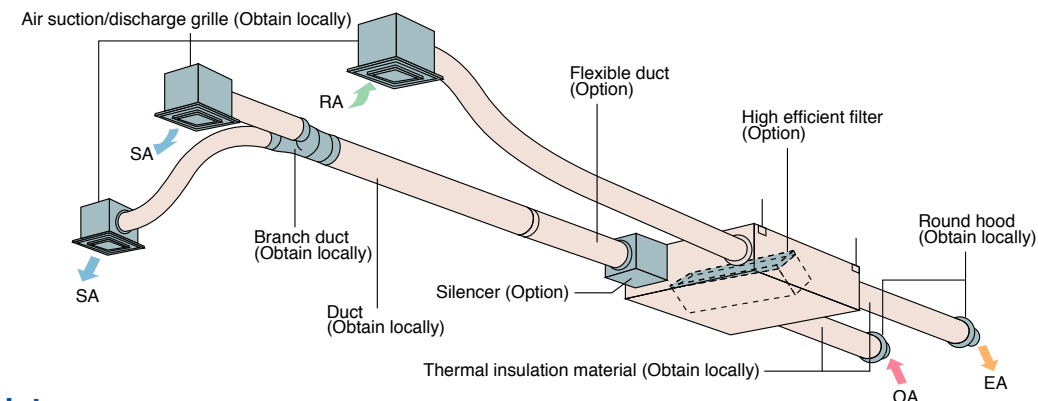
VRV IV

Specifications

MODEL				VAM150GJVE	VAM250GJVE	VAM350GJVE	VAM500GJVE	VAM650GJVE	VAM800GJVE	VAM1000GJVE	VAM1500GJVE	VAM2000GJVE	
Power Supply				1-phase, 220-240 V/220 V, 50 Hz/60 Hz									
Temp. Exchange Efficiency		Ultra-High	%	79	75	79	74	75	72	78	72	77	
		High		79	75	79	74	75	72	78	72	77	
		Low		84	79	82	80	77	74	80.5	75.5	79	
Enthalpy Exchange Efficiency	For Heating	Ultra-High	%	72	71	70	67	67.5	65	70	65	72	
		High		72	71	70	67	67.5	65	70	65	72	
		Low		76	74	77	74	71.5	67.5	72.5	67	75	
	For Cooling	Ultra-High	%	66	63	66	55	61	61	64	61	62	
		High		66	63	66	55	61	61	64	61	62	
		Low		70	66	70	59	64	64	68.5	64	66	
Power Consumption	Heat Exchange Mode	Ultra-High	W	125	137	200	248	342	599	635	1,145	1,289	
		High		111	120	182	225	300	517	567	991	1,151	
		Low		57	60	122	128	196	435	476	835	966	
	Bypass Mode	Ultra-High	W	125	137	200	248	342	599	635	1,145	1,289	
		High		111	120	182	225	300	517	567	991	1,151	
		Low		57	60	122	128	196	435	476	835	966	
Sound Level	Heat Exchange Mode	Ultra-High	dB(A)	27-28.5	27-29	31.5-33	33-35.5	34-36	39-40.5	39.5-41.5	39.5-41.5	41.5-43.5	
		High		26-27.5	26-27.5	30-31.5	31.5-34	33-34.5	37-39.5	37.5-39.5	37.5-39.5	39-43	
		Low		20.5-21.5	21-22	23-25	25-28.5	27.5-29.5	35-37.5	35-37.5	35-37.5	36-39	
	Bypass Mode	Ultra-High	dB(A)	28.5-29.5	28.5-30.5	33-34.5	34.5-36	35-37.5	40.5-42	40.5-42.5	41-43	43-45.5	
		High		27.5-28.5	27.5-29	31.5-33	33-34.5	33-35.5	38.5-40	38.5-40.5	39.5-41	40.5-45	
		Low		22.5-23.5	22.5-23	24.5-26.5	25.5-28.5	27.5-30.5	36-38.5	36-38.5	36.5-38	37.5-39.5	
Casing				Galvanised steel plate									
Insulation Material				Self-extinguishable polyurethane foam									
Dimensions (HXWXD)		mm	278×810×551		306×879×800		338×973×832	387×1,111×832	387×1,111×1,214	785×1,619×832	785×1,619×1,214		
Machine Weigh		kg	24		32		45	55	67	129	157		
Heat Exchange System				Air to air cross flow total heat (Sensible heat +latent heat) exchange									
Heat Exchange Element Material				Specially processed nonflammable paper									
Air Filter				Multidirectional fibrous fleeces									
Fan	Type		Sirocco fan										
	Airflow Rate	Ultra-High	m³/h	150	250	350	500	650	800	1,000	1,500	2,000	
				High	150	250	350	500	650	800	1,000	1,500	2,000
				Low	100	155	230	320	500	700	860	1,320	1,720
		Ultra-High	ℓ /s	41	69	97	138	180	222	277	416	555	
				High	41	69	97	138	180	222	277	416	555
				Low	27	43	63	88	138	194	238	366	477
	External Static Pressure	Ultra-High	Pa	120	70	169	105	85	133	168	112	116	
				High	106	54	141	66	53	92	110	73	58
				Low	56	24	67	32	35	72	85	56	45
	Motor Output		kW	0.030×2		0.090×2		0.140×2		0.280×2		0.280×4	
	Connection Duct Diameter		mm	φ 100	φ 150		φ 200		φ 250		φ 350		
Unit Ambient Condition				-15°C~50°CDB, 80%RH or less									

Notes: 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.
4. Sound level generally becomes greater than this value depending on the operating conditions, reflected sound, and peripheral noise.
5. The sound level at the air discharge port is about 8 dB(A) higher than the unit's sound level.
6. The specifications, designs and information given here are subject to change without notice.
7. Temperature Exchange Efficiency is the mean value between cooling and heating.
8. 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.
9. In conformance with JIS standards (JIS B 8628), operating sound level is based on the value when one unit is operated, with the value converted for an anechoic chamber. This is transmission sound from the main unit, and does not include sound from the discharge grille. Thus it is normal for the sound to be louder than the indicated value when the unit is actually installed.
10. 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.
11. 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
12. When installing in a location with particularly low background noise such as a classroom, please consider the following measures to avoid transmission sound from the main unit:
•Use of ceiling materials with high sound insulating properties (high transmission loss)
•Methods of blocking sound transmission, for example, by adding sound insulating materials around the bottom of the sound source.
Alternatively, consider supplementary methods such as installing the equipment in a different location (corridor, etc.)

Options



Option List

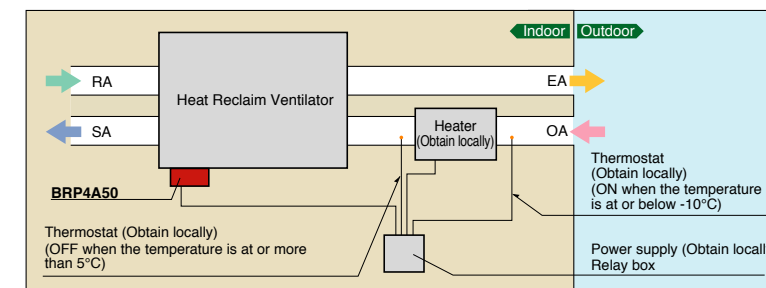
Item		Type	VAM150 · 250 · 350 · 500 · 650 · 800 · 1000 · 1500 · 2000GJVE															
Controlling device	Heat Reclaim Ventilator remote controller		BRC301B61															
		Centralised controlling device	Residential central remote controller	DCS303A51 *1														
			Central remote controller	DCS302CA61														
			Unified ON/OFF controller	DCS301BA61														
			Schedule timer	DST301BA61														
	PC Board Adaptor	Wiring adaptor for electrical appendices	KRP2A61															
		For humidifier	KRP50-2															
		Installation box for adaptor PCB	KRP50-2A90 (Mounted electric component assy of Heat Reclaim Ventilator)															
		For heater control kit	BRP4A50															
		For wiring	Type (indoor unit of VRV)	FXFQ-S														
				FXFQ-P	FXZQ-M	FXUQ-A	FXCQ-M	FXKQ-MA	FXDQ-PB	FXSYQ-M	FXDYQ-M(A)	FXMQ-P	FXMQ-MA	FXHQ-MA	FXAQ-P	FXLQ-MA	FXNQ-MA	
		Installation box for adaptor PCB☆		KRP1C63★	KRP1BA57★	KRP1C67	KRP1B61★	KRP1B61	KRP1B56★	KRP1B61	KRP1C64★	KRP1B61	KRP1BA54	—	KRP1B61			
	Notes 2, 3 KRP1H98		Note 4, 6 KRP1BA101	—	Notes 2, 3 KRP1B96	—	Notes 4, 6 KRP1BA101	Notes 5 KRP4A91	—	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	Nominal pipe diameter	mm	—	—	—	—	—	—	—	—
				—	—	—	—	—	—	—	—
	High efficiency filter			—	—	—	—	—	—	—	—
				—	—	—	—	—	—	—	—
Flexible duct (1 m)	Air filter for replacement		KAF242H25M	KAF242H25M	KAF242H50M	KAF242H50M	KAF242H80M	KAF242H100M	KAF242H100M	KAF242H100M	KAF242H100M
			KAF241G25M	KAF241G25M	KAF241G50M	KAF241G50M	KAF241G80M	KAF241G100M	KAF241G100M	KAF241G100M	KAF241G100M
Flexible duct (2 m)	Duct adaptor		K-FDS101D	K-FDS151D	K-FDS201D	K-FDS201D	K-FDS201D	K-FDS201D	K-FDS201D	K-FDS201D	K-FDS201D
			K-FDS102D	K-FDS152D	K-FDS202D	K-FDS202D	K-FDS202D	K-FDS202D	K-FDS202D	K-FDS202D	K-FDS202D
Duct adaptor	Nominal pipe diameter	mm	—	—	—	—	—	—	—	—	—
			—	—	—	—	—	—	—	—	—
CO ₂ sensor			—	—	—	—	—	—	—	—	—
			—	—	—	—	—	—	—	—	—

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.

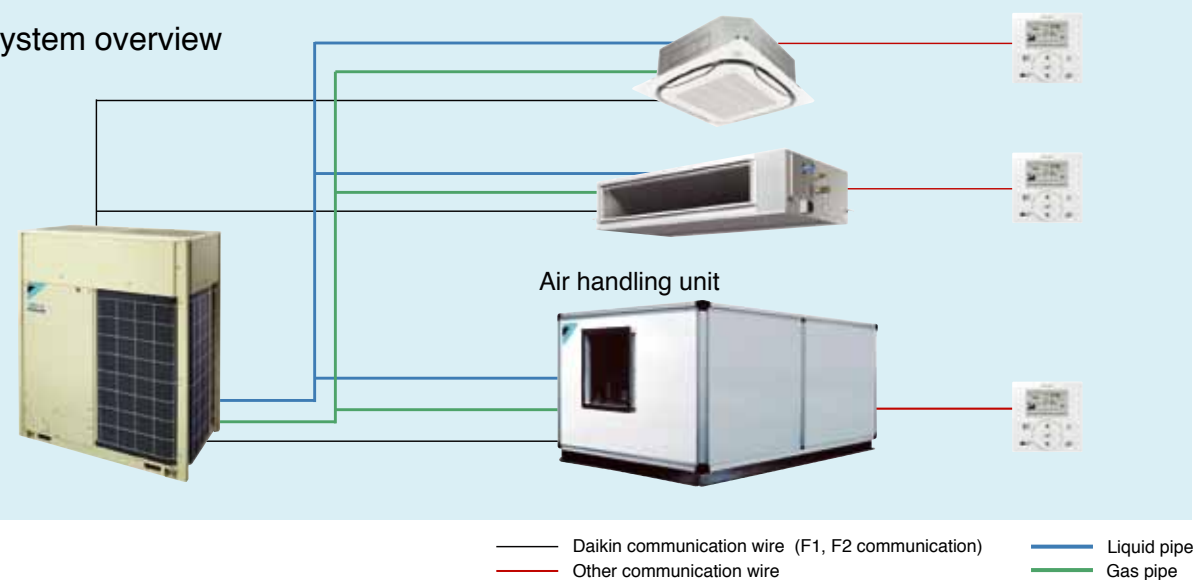
Air Handling Unit

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 for standard series

System overview



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