

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.

Đại lý phân phối



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# VRV IV

Cooling Only / Heat Pump 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 an enhanced lineup to meet an ever wider variety of needs while improving energy savings, comfort, and ease of installation.

Enhanced lineup

3 types up to 60 HP

Ease of installation

Compact & lightweight design

Energy saving

Higher COP and VRT technology

Comfort

Lower operation sound

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## Enhanced Lineup to 3 types

### High-COP Type



Energy Saving

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

VRV III VRV IV

COP during cooling operation	3.94	→	4.35	10% Increase
Installation Space	1.66 m <sup>2</sup>	→	2.13 m <sup>2</sup>	
Product Weight	490 kg	→	555 kg	

20 HP

### Standard Type



Up to 60 HP

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

VRV III VRV IV

COP during cooling operation	3.94	→	3.94	14% Decrease
Installation Space	1.66 m <sup>2</sup>	→	1.42 m <sup>2</sup>	22% Decrease
Product Weight	490 kg	→	380 kg	

20 HP

### Space Saving Type



Compact Design

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

VRV III VRV IV

COP during cooling operation	3.94	→	3.11	43% Decrease
Installation Space	1.66 m <sup>2</sup>	→	0.95 m <sup>2</sup>	35% Decrease
Product Weight	490 kg	→	320 kg	

20 HP

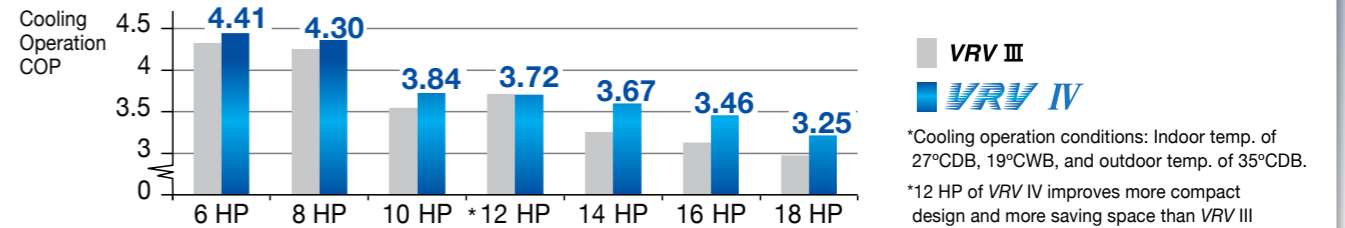
### Lineup

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

● Mo/C ● New Lineup

## Energy saving

### Higher Coefficient of Performance (COP)



## Ease of installation

### Compact & lightweight design

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



VRV III 12 HP	VRV IV 12 HP	Change
Installation Space: 0.95 m <sup>2</sup>	Installation Space: 0.71 m <sup>2</sup>	25% Decrease
Product Weight: 285 kg	Product Weight: 195 kg	32% Decrease

## Comfort

### Lower operation sound

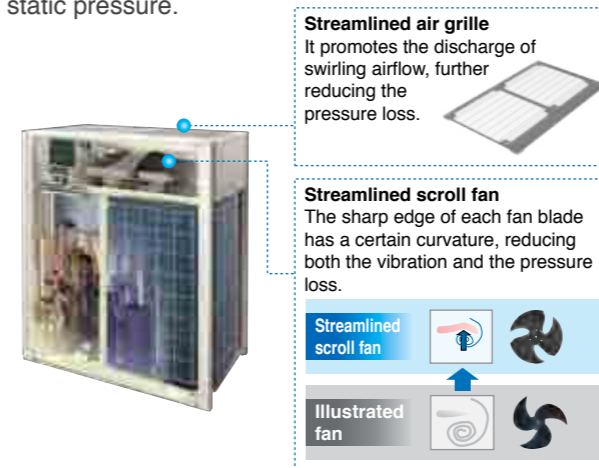
Improve heat exchanger efficiency, helps to reduced operation sound.

	6 HP	8 HP	10 HP	12 HP
VRV III	57	57	58	60
VRV IV	55	56	57	59

1-2 dB(A) reduction than conventional model

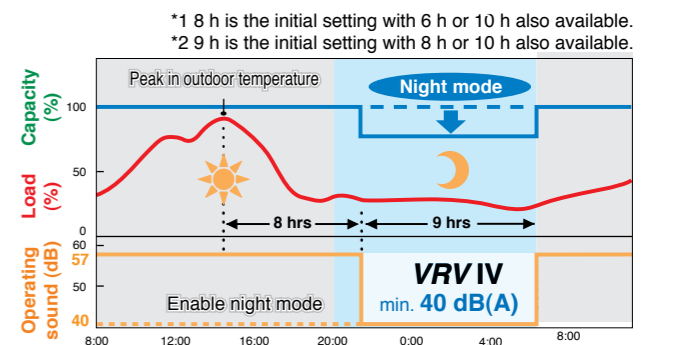
### Large airflow, high static pressure and quiet technology

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



### Nighttime quiet operation function

Outdoor PCB automatically memorises the time when the peak outdoor temperature appears. It will enable quiet operation mode after 8 h<sup>1</sup>, and return to normal mode after it keeps for 9 h<sup>2</sup>.



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.

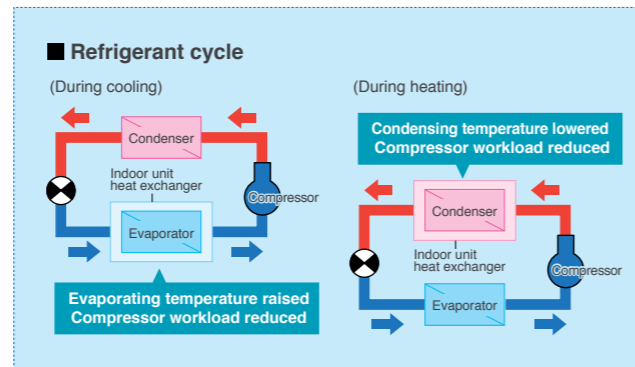
## State-of-the-art energy saving technology for VRV system

### Customise your VRV system for optimal annual efficiency

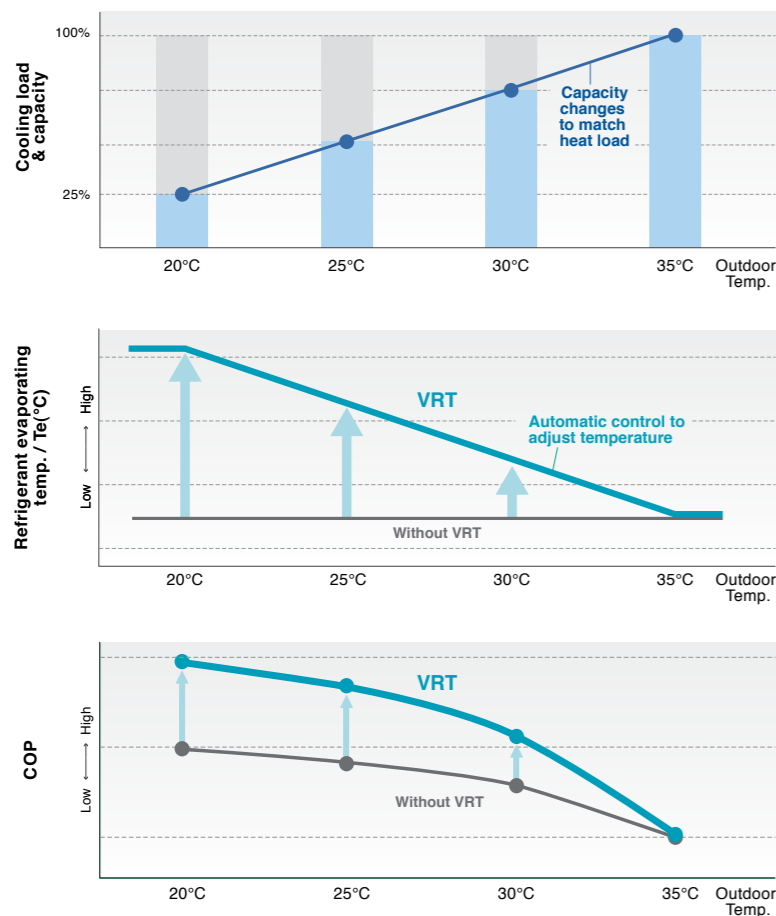
The new **VRV IV** system now features VRT technology. VRT automatically adjusts refrigerant temperature to individual building and climate requirement, thus further improving annual energy efficiency and maintaining comfort. With this excellent technology, running costs are reduced.

### How is energy reduced?

During cooling, the refrigerant evaporating temperature ( $T_e$ ) is raised to minimise the difference with the condensing temperature. During heating, 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.

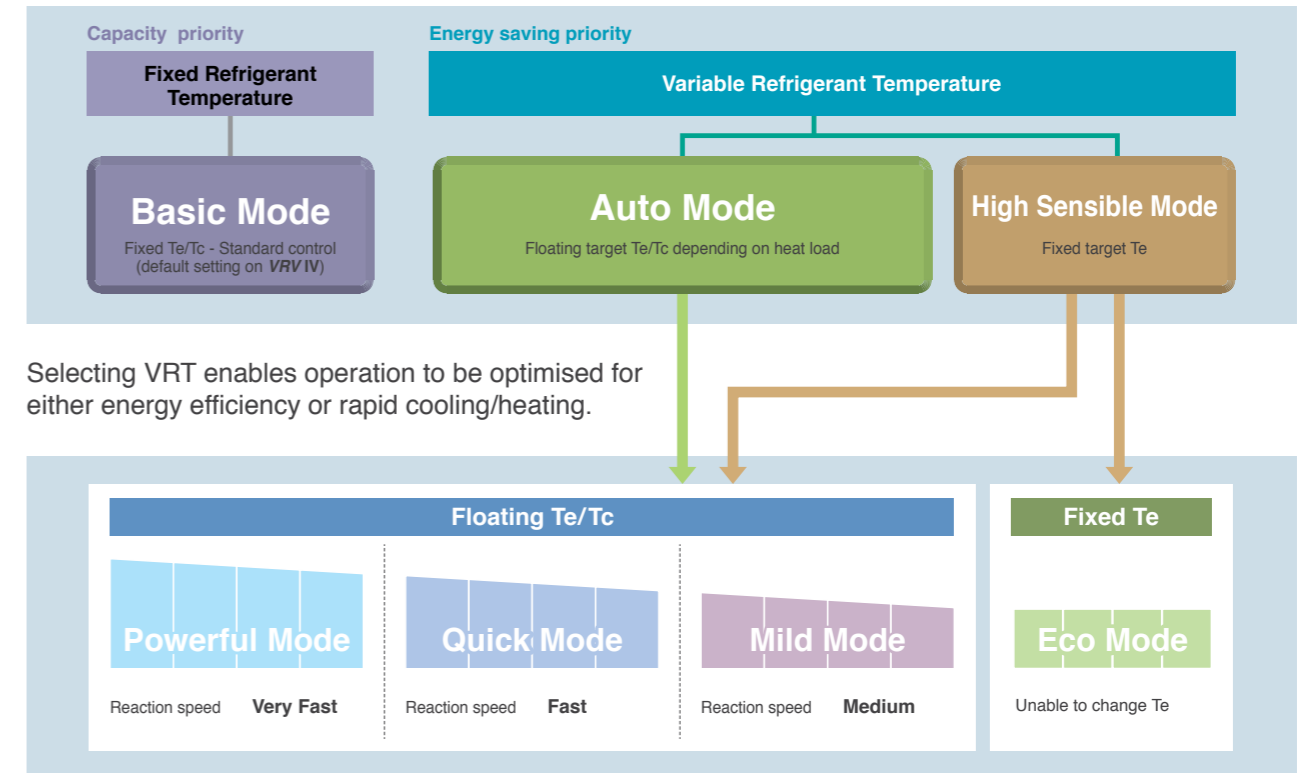
In case of fixed evaporating temperature, excessive cooling, thermo on-off loss, and other inefficiencies occur.

Automatic control adjusts evaporating temperature to heat load change.

Energy efficiency is improved without sacrificing comfort.

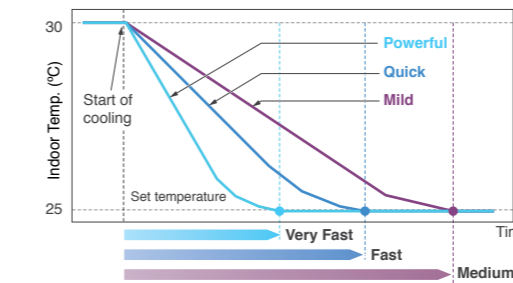
### Fine control to match user preference available through mode selection

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



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

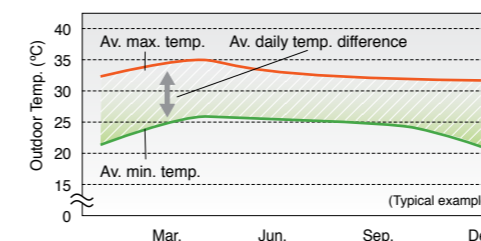
### VRT offers quicker cool down to shorten uncomfortable pull down time.



<b>Powerful mode</b>	<ul style="list-style-type: none"> <li>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).</li> <li>Gives priority to very fast reaction speed. The refrigerant temperature goes down (or up in heating) fast to keep the room setpoint stable.</li> </ul>
<b>Quick mode</b>	<ul style="list-style-type: none"> <li>Gives priority to fast reaction speed. The refrigerant temperature goes down (or up in heating) fast to keep the room setpoint stable.</li> </ul>
<b>Mild mode</b>	<ul style="list-style-type: none"> <li>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.</li> </ul>

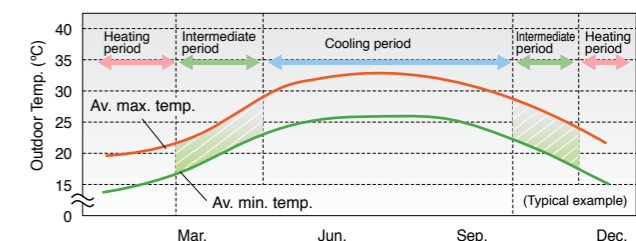
### Recommended for use in these situations

#### Cooling only regions having differences in daily temperature.



VRT is particularly effective at night when temperatures are low.

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



VRT is particularly effective during the intermediate periods.

## More options for installation location

### Long piping length

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

For connection of only VRV indoor units

Max. actual piping length **165 m**

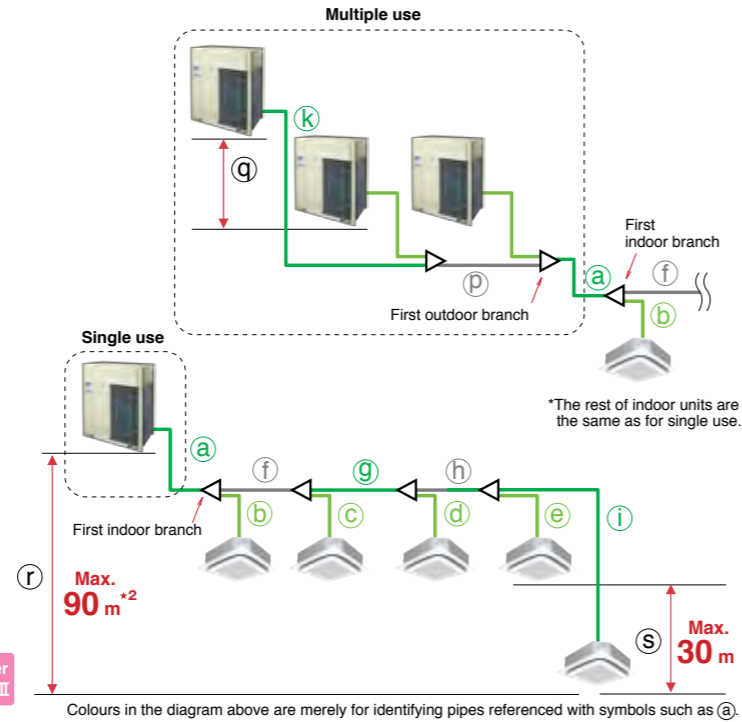
Max. equivalent piping length **190 m**

Max. total piping length **1000 m**

Max. level difference between the outdoor units and the indoor units **90 m<sup>\*2</sup>**

Max. level difference between the indoor units **30 m**

15 m higher than VRV III



	Actual piping length	Example	Equivalent piping length
Refrigerant piping length	165 m	a+f+g+h+i	190 m
Total piping length	1000 m	a+b+c+d+e+f+g+h+i	-
Between the first indoor branch and the farthest indoor unit	90 m <sup>*1</sup>	f+g+h+i	-
Between the outdoor branch and the last outdoor unit	10 m	k+p	13 m

	Level Difference	Example
Between the outdoor units (Multiple use)	5 m	q
Between the indoor units	30 m	s
Between the outdoor units and the indoor units	If the outdoor unit is above.	90 m <sup>*2</sup>
	If the outdoor unit is below.	90 m

\*1. No special requirements up to 40 m. The maximum actual piping length can be 90 m, depending on conditions. Various conditions and requirements have to be met to allow utilisation of 90 m piping length. Be sure to refer to the Engineering Data Book for details of these conditions and requirements.  
 \*2. When level differences are 50 m or more, the diameter of the main liquid piping size must be increased and connection ratio must be 80% to 130%. If the outdoor unit is above the indoor unit, a dedicated setting on the outdoor unit is required. Refer to the Engineering Data Book and contact your local dealer for more information.

### Connection ratio

Connection capacity at maximum is 200%.

Connection ratio **50%–200%**

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

### Conditions of VRV indoor unit connection capacity

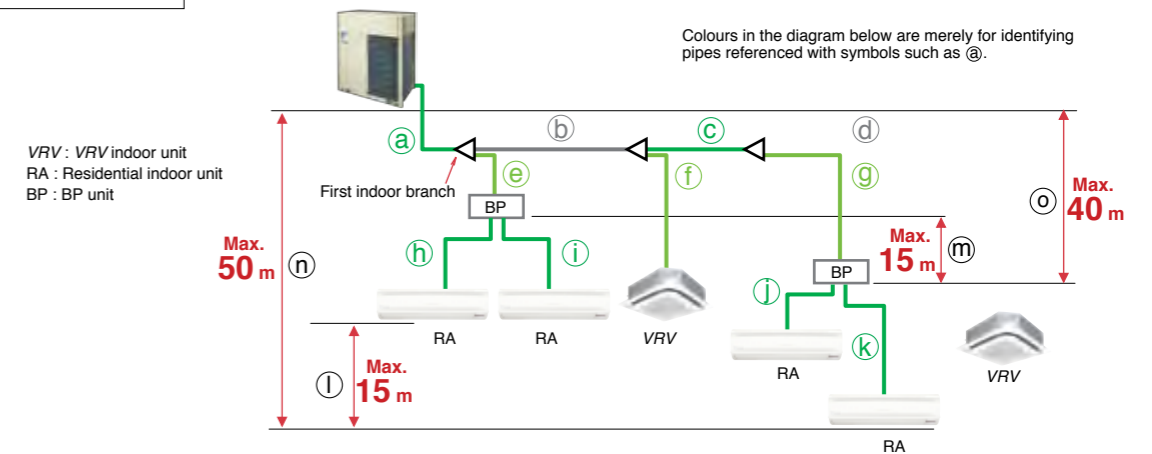
Applicable VRV indoor units	Other VRV indoor unit models <sup>*1</sup>
FXDQ, FXMQ-P, FXAQ models	
Single outdoor units	200%
Double outdoor units	160%
Triple outdoor units	130%

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

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

\*Refer to page 67-68 for outdoor unit combination details.

For mixed combination of VRV and residential indoor units



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

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

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

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

\*When a mixed combination of VRV and residential indoor units is connected or when only residential indoor units are connected, connection ratio must be 50% to 130% for cooling only models and 80% to 130% for heat pump models. Refer to page 68 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

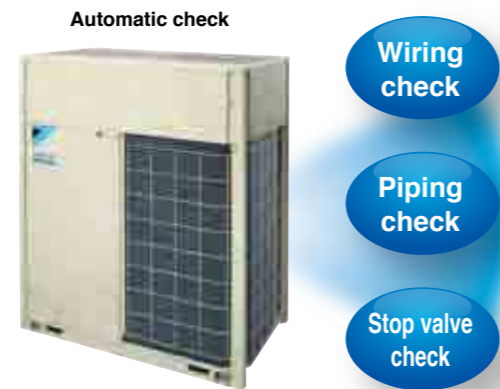


## Multiple advanced features ensuring more accurate test operation and stable system

### Efficient automatic test operation

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

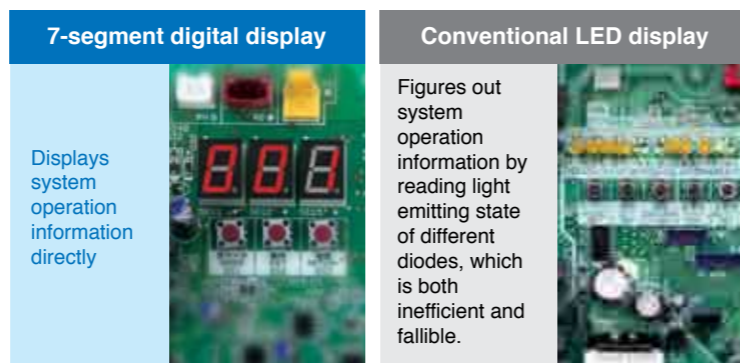
- Automatically checks the wirings between outdoor units and indoor units to confirm whether there is a defective wiring.
- Confirms and corrects the actual piping length.
- Automatically check whether the stop valve in each outdoor unit is in normal status to ensure the smooth operation of air conditioning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



## Simplified commissioning and after-sales service

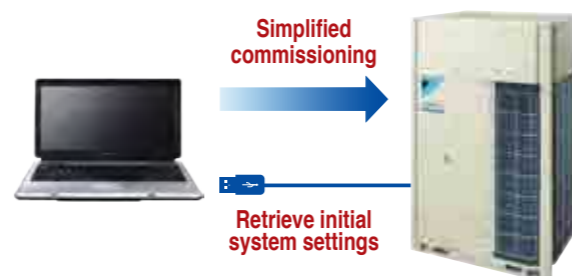
### Function of information display by luminous digital tube

**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

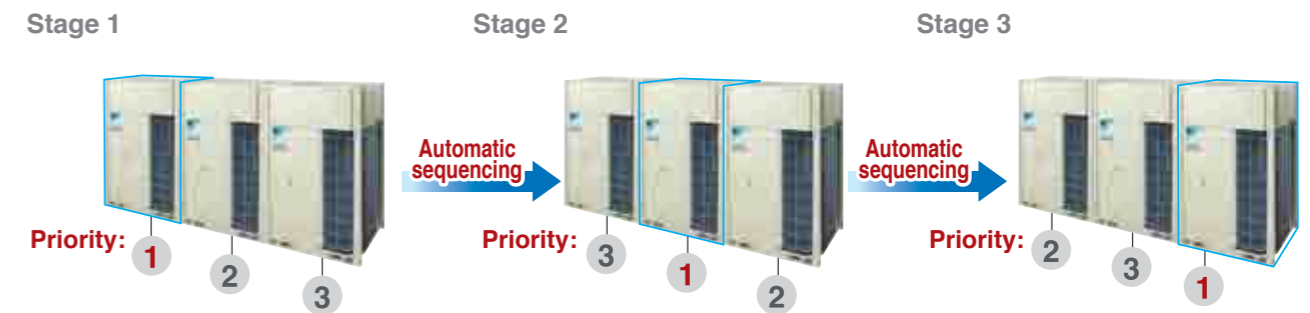
- The **VRV** configurator is an advanced software solution that allows for easy system configuration and commissioning.
- less time is required on the roof configuring the outdoor unit.
- multiple systems at different sites can be managed in exactly the same way, thus offering simplified commissioning 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 RX(Y)Q14-20TY1 models).



## Large capacity all DC inverter compressor in compact casing

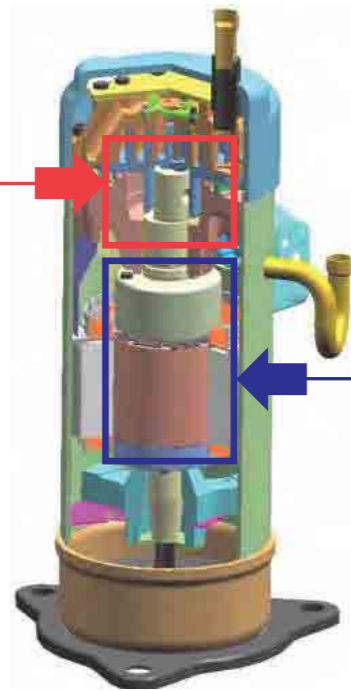
Large capacity inverter compressor using high tension strength material, realise 12 HP compressor using 8 HP casing.

### Development of high strength material

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

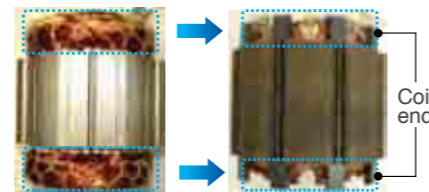


As a result of having thinned a wall - thickness of the scroll, compression chamber volume increase 50%



### Small type high efficiency concentrated winding motor

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



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

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

## Highly integrated heat exchanger

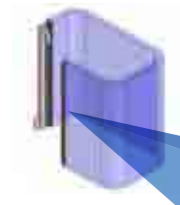
Improve performance by increasing heat exchanger area while maintaining the same installation space.

VRV III



Fine Louvre Fin

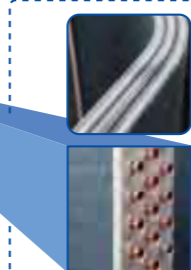
VRV IV



Waffle Fin

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.

Realise highly integrated heat exchanger performance (increase row, reduce fin pitch) by reducing of airflow resistance which changes cooling tube to  $\varnothing 7$ .



20 HP

3 row with small pipe design, increases heat transfer efficiency



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

## Various advanced control main PC board

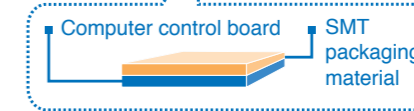
### SMT\* packaging technology

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

Computer control board surface adopting SMT packaging technology



Conventional computer control board surface

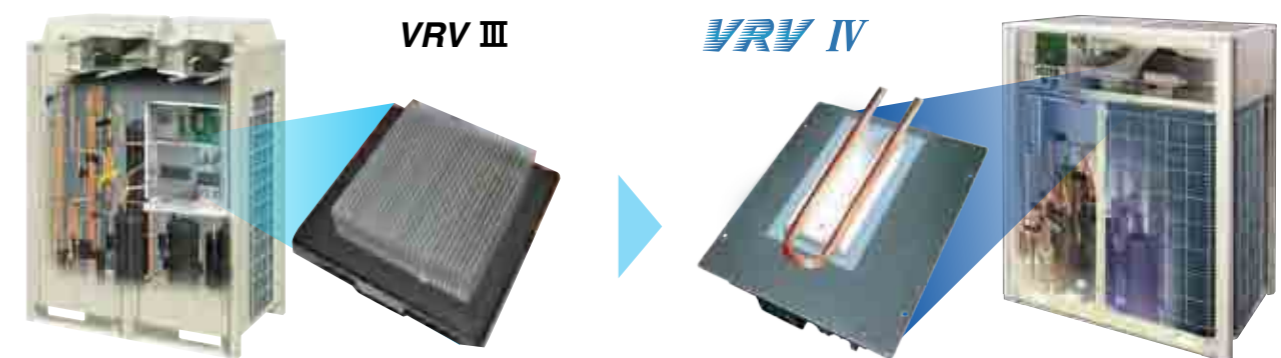
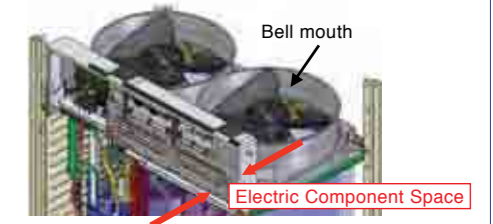


\*SMT: Surface mounted technology

### 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.



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

Cooling Only / Heat Pump

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

- VRV IV outdoor unit offers a higher capacity of up to 60 HP, responding to the needs of large-sized building.
- The single outdoor unit has only 2 different shapes and dimensions, not only simplifying the design process, but also bringing the system flexibility to a new level.
- With the outdoor unit capacity increased in increment of 2 HP, customers' needs can be precisely met.
- 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.

### Lineup

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

### High-COP Type

● Double Outdoor Units  
12, 14, 16 HP



RX(Y)Q12THY1(E)  
RX(Y)Q14THY1(E)  
RX(Y)Q16THY1(E)

● Triple Outdoor Units  
18, 20, 22, 24, 26, 28, 30, 32 HP



RX(Y)Q18THY1(E) RX(Y)Q26THY1(E)  
RX(Y)Q20THY1(E) RX(Y)Q28THY1(E)  
RX(Y)Q22THY1(E) RX(Y)Q30THY1(E)  
RX(Y)Q24THY1(E) RX(Y)Q32THY1(E)

34, 38 HP



RX(Y)Q34THY1(E)  
RX(Y)Q38THY1(E)

36, 40 HP



RX(Y)Q36THY1(E)  
RX(Y)Q40THY1(E)

42, 44, 46, 48, 50 HP



RX(Y)Q42THY1(E) RX(Y)Q48THY1(E)  
RX(Y)Q44THY1(E) RX(Y)Q50THY1(E)  
RX(Y)Q46THY1(E)

### Standard Type

● Single Outdoor Units  
6, 8, 10, 12 HP 14, 16 HP



RX(Y)Q6TY1(E)  
RX(Y)Q8TY1(E)  
RX(Y)Q10TY1(E)  
RX(Y)Q12TY1(E)



RX(Y)Q14TY1(E)  
RX(Y)Q16TY1(E)

● Double Outdoor Units  
18, 20 HP 22, 24, 26 HP 28, 30, 32 HP



RX(Y)Q18TNY1(E)  
RX(Y)Q20TNY1(E)



RX(Y)Q22TNY1(E)  
RX(Y)Q24TNY1(E)  
RX(Y)Q26TNY1(E)



RX(Y)Q28TNY1(E)  
RX(Y)Q30TNY1(E)  
RX(Y)Q32TNY1(E)

● Triple Outdoor Units  
34, 36 HP 38, 40 HP 42, 44 HP 46, 48, 50, 52, 54, 56, 58, 60 HP



RX(Y)Q34TNY1(E)  
RX(Y)Q36TNY1(E)



RX(Y)Q38TNY1(E)  
RX(Y)Q40TNY1(E)



RX(Y)Q42TNY1(E)  
RX(Y)Q44TNY1(E)



RX(Y)Q46TNY1(E) RX(Y)Q54TNY1(E)  
RX(Y)Q48TNY1(E) RX(Y)Q56TNY1(E)  
RX(Y)Q50TNY1(E) RX(Y)Q58TNY1(E)  
RX(Y)Q52TNY1(E) RX(Y)Q60TNY1(E)

### Space Saving Type

● Single Outdoor Units  
18, 20 HP



RX(Y)Q18TSY1(E)  
RX(Y)Q20TSY1(E)

● Double Outdoor Units  
22, 24 HP 26, 28, 30, 32 HP



RX(Y)Q22TSY1(E)  
RX(Y)Q24TSY1(E)



RX(Y)Q26TSY1(E) RX(Y)Q30TSY1(E)  
RX(Y)Q28TSY1(E) RX(Y)Q32TSY1(E)

● Double Outdoor Units  
34, 36, 38, 40 HP



RX(Y)Q34TSY1(E) RX(Y)Q38TSY1(E)  
RX(Y)Q36TSY1(E) RX(Y)Q40TSY1(E)

● Triple Outdoor Units  
42, 44 HP 46, 48, 50 HP



RX(Y)Q42TSY1(E)  
RX(Y)Q44TSY1(E)



RX(Y)Q46TSY1(E)  
RX(Y)Q48TSY1(E)  
RX(Y)Q50TSY1(E)



## Enhanced range of choices

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

### VRV indoor units

18 types 86 models

Type	Model Name	Capacity Range	Capacity Index															
			0.8 HP	1 HP	1.25 HP	1.6 HP	2 HP	2.5 HP	3 HP	3.2 HP	4 HP	5 HP	6 HP	8 HP	10 HP	16 HP	20 HP	
Ceiling Mounted Cassette (Round Flow with Sensing)	New FXFQ-SVM			New	New	New	New	New		New	New	New						
Ceiling Mounted Cassette (Round Flow)	FXFQ-LUV1			●	●	●	●	●		●	●	●						
Ceiling Mounted Cassette (Compact Multi Flow)	FXZQ-MVE		●	●	●	●	●											
4-Way Flow Ceiling Suspended	New FXUQ-AVEB									New	New							
Ceiling Mounted Cassette (Double Flow)	FXCQ-MVE		●	●	●	●	●			●		●						
Ceiling Mounted Cassette Corner	FXKQ-MAVE			●	●	●		●										
Slim Ceiling Mounted Duct	FXDQ-PBVE (with drain pump)		●	●	●													
	FXDQ-PBVET (700 mm width type) (without drain pump)		●	●	●													
	FXDQ-NBVE (with drain pump)					●	●	●										
	FXDQ-NBVET (900/1,100 mm width type) (without drain pump)					●	●	●										
Ceiling Mounted Duct	FXMQ-PVE		●	●	●	●	●			●	●	●	●					
	FXMQ-MAVE													●	●			
Ceiling Suspended	FXHQ-MAVE			●						●								
Wall Mounted	FXAQ-PVE		●	●	●	●	●											
Floor Standing	FXLQ-MAVE		●	●	●	●	●											
Concealed Floor Standing	FXNQ-MAVE		●	●	●	●	●											
Floor Standing Duct	New FXVQ-MY1													New	New	New	New	
	FXVQ-MY16 (high static pressure type)																New	

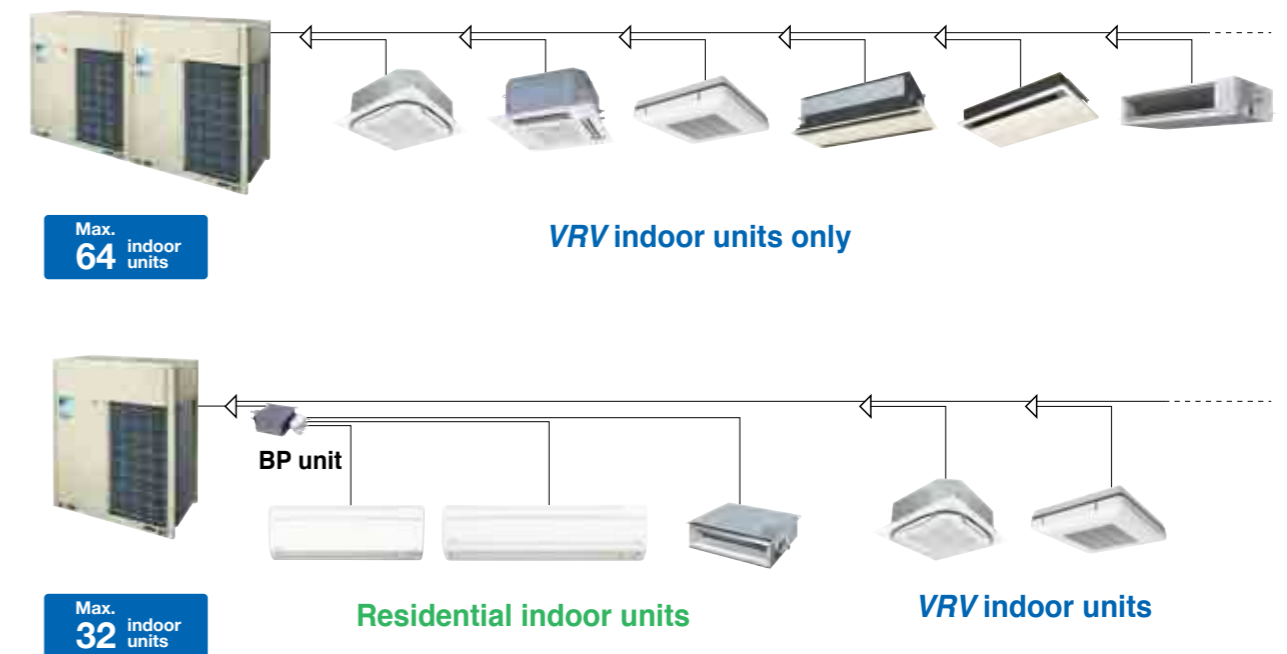
Daikin air handling units can be connected to VRV IV system. Please refer to page 103 and contact your local sales office for details.

### New Residential indoor units with connection to BP units

8 types 23 models

Type	Model Name	Rated Capacity	Capacity Index					
			20	25	35	50	60	71
Ceiling Mounted Cassette	FCQ-BVE				●	●	●	●
Ceiling Mounted Cassette (Compact Multi Flow)	FFQ-BV1B			●	●	●	●	●
Ceiling Mounted Built-in	FBQ-BV1						●	●
Slim Ceiling Mounted Duct	Cooling Only FDKS-EAVMB			●	●			
	Heat Pump CDXS-EAVMA (700 mm width type)			●	●			
	Cooling Only FDKS-C(A)VMB			●	●	●	●	
	Heat Pump FDXS-CVMA (900/1,100 mm width type)			●	●	●	●	
Wall Mounted	Cooling Only FTKS-DVM		●	●	●			
	Heat Pump FTKS-DVMA		●	●	●			
	Heat Pump FTKS-EVMA					●	●	
Wall Mounted	Cooling Only FTKS-BVMA					●		
	Cooling Only FTKS-FVM					●	●	
	Heat Pump FTKS-FVMA					●	●	

Note: BP units are necessary for residential indoor units. Only single outdoor unit (RX(Y)Q6-20TY1) can be connected.



\*Refer to page 67-68 for the maximum number of connectable indoor units.

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

## VRV Indoor Units

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

FXFQ-SVM

New

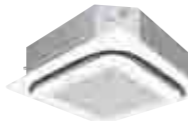


Presence of people and floor temperature can be detected to provide comfort and energy savings



### Ceiling Mounted Cassette (Round Flow) Type

FXFQ-LUV1



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



### Ceiling Mounted Cassette (Compact Multi Flow) Type

FXZQ-MVE



Quiet, compact, and designed for user comfort



### 4-Way Flow Ceiling Suspended Type

FXUQ-AVEB

New

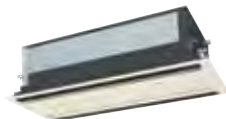


This slim and stylish indoor unit achieves optimum air distribution, and can be installed without the need for ceiling cavity.



### Ceiling Mounted Cassette (Double Flow) Type

FXCQ-MVE



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



### Ceiling Mounted Cassette Corner Type

FXKQ-MAVE

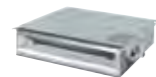


Slim design for flexible installation

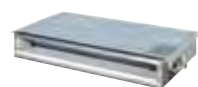


### Slim Ceiling Mounted Duct Type

FXDQ-PBVE(T)



FXDQ-NBVE(T)



Slim design, quietness and static pressure switching



### Ceiling Mounted Duct Type

FXMQ-PVE



FXMQ-MAVE



High external static pressure allows flexible installations



### Ceiling Suspended Type

FXHQ-MAVE



Slim body with quiet and wide airflow



### Wall Mounted Type

FXAQ-PVE



Stylish flat panel design harmonised with your interior décor



### Floor Standing Type

FXLQ-MAVE



### Concealed Floor Standing Type

FXNQ-MAVE



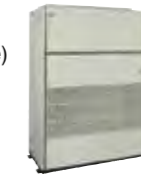
Suitable for perimeter zone air conditioning



### Floor Standing Duct Type

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

New



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



## New Residential Indoor Units with connection to BP units

### Ceiling Mounted Cassette Type

FCQ-BVE



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



### Ceiling Mounted Cassette (Compact Multi Flow) Type

FFQ-BV1B



Quiet, compact, and designed for user comfort



### Ceiling Mounted Built-in Type

FBQ-BV1

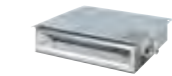


Flexible air discharge unit to fit various forms of space

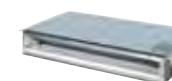


### Slim Ceiling Mounted Duct Type

Cooling Only  
FDKS-EAVMB  
FDKS-C(A)VMB



Heat Pump  
CDXS-EAVMA  
FDXS-CVMA



Slim and smooth design suits your shallow ceiling



### Wall Mounted Type

Cooling Only  
FTKS-DVM  
FTKS-BVMA  
FTKS-FVM



Heat Pump  
FTXS-DVMA  
FTXS-EVMA  
FTXS-FVMA



Stylish flat panel harmonises with your interior décor



## VRV Indoor Units

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

New

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

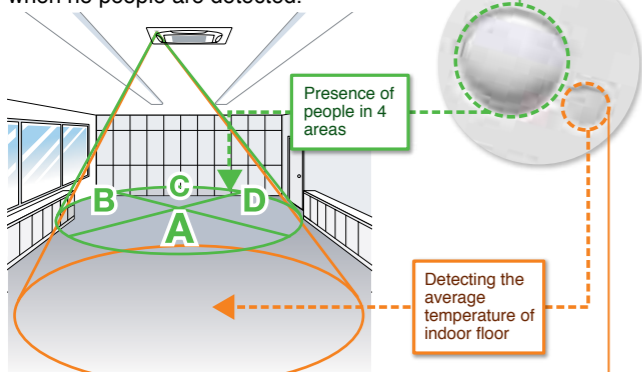


### Presence of people and floor temperature can be detected to provide comfort and energy savings

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

#### Infrared presence sensor

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



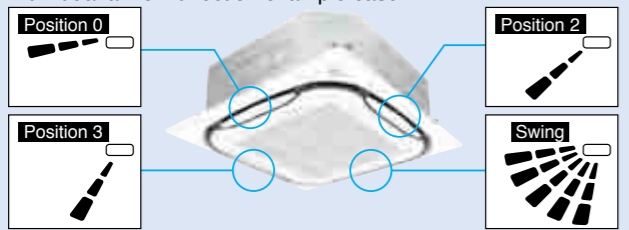
#### Infrared floor sensor

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

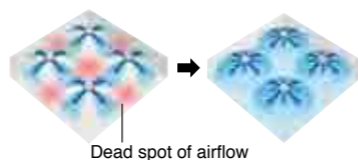
#### Individual airflow direction control

- Thanks to the individual airflow direction control function, airflow direction can be individually adjusted for each air discharge outlet. 5 directions of airflow and auto-swing can be selected with wired remote controller BRC1E62, which realises the optimum air distribution.

#### Individual airflow direction example case



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



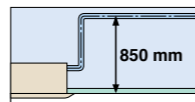
- Energy efficiency has been improved thanks to the adoption of a new heat exchanger with smaller tubes, DC fan motor and DC drain pump motor.

- Low operation sound level

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

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

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

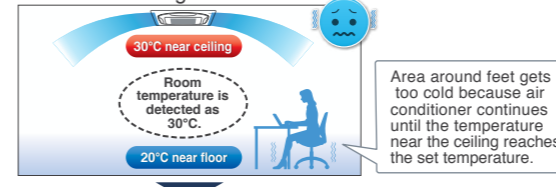


### Sensing function

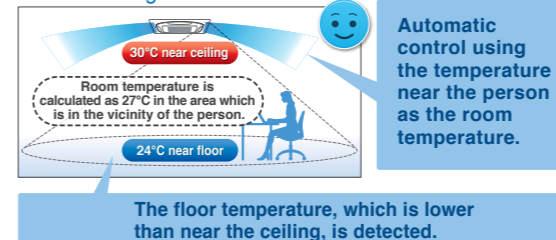
Auto airflow rate mode + Auto airflow direction mode

- Floor temperature is detected and over cooling prevented.

#### Without sensing function



#### With sensing function



#### Energy savings

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

#### Comfortable airflow

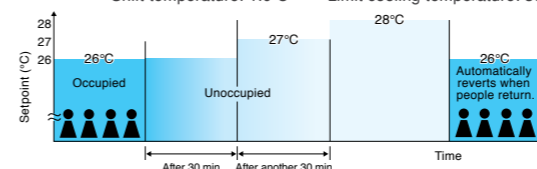
Airflow rate automatically increases during hot or cold periods (when there is a large difference with set temperature), and operation is rapidly performed for cooling or heating. When the difference with set temperature becomes small, drafts are prevented by automatically reducing airflow rate, and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

### Sensing sensor mode

- Sensing sensor low mode \*1, 2

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

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



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

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

- Sensing sensor stop mode \*1, 2

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

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

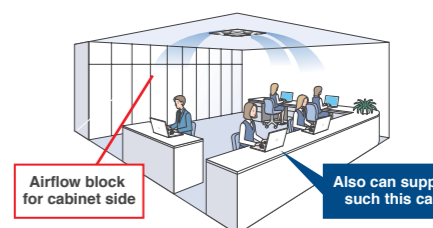
\*1. These functions are not available when using the group control system.  
\*2. User can set these functions with remote controller.

### Airflow block function \*3

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



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



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

- This function only works when all-round flow is used. It cannot be used when sealing material is used in the air discharge outlet (option).

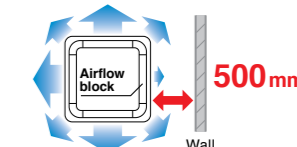
- Easy setup with remote controller



Horizontal flow

Airflow block

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



\*3. Works in one direction only.

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

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

## VRV Indoor Units

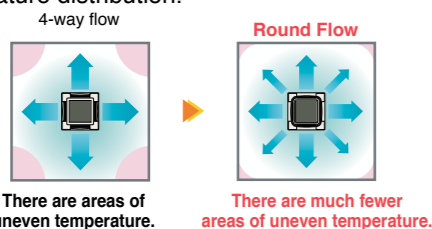
### Ceiling Mounted Cassette (Round Flow) Type

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



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

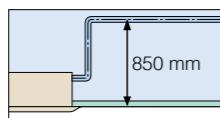
- The industry's first\* Round Flow Ceiling Mounted Cassette type offers 360° airflow with improved temperature distribution.



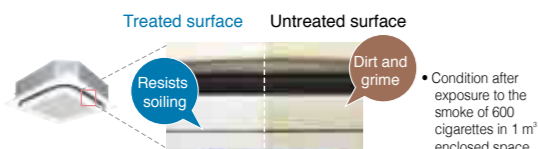
\* As of April 2004, the release date for Japan.

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

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



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



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

- Low operation sound level

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



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

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

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

- Example of airflow patterns:

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



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

### Ceiling Mounted Cassette (Compact Multi Flow) Type

FXZQ20M / FXZQ25M / FXZQ32M  
FXZQ40M / FXZQ50M



**Quiet, compact, and designed for user comfort**

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

- Low operation sound level

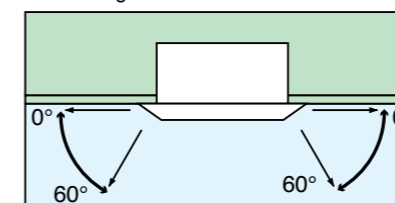
FXZQ-M	20/25	32	40	50
Sound level (H/L)	30/25	32/26	36/28	41/33

(230 V)(dB(A))

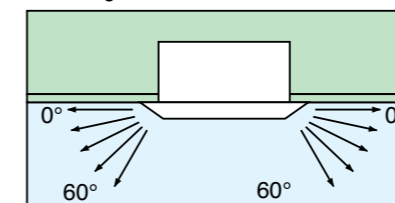
- Comfortable airflow

- Wide discharge angle: 0° to 60°

- Auto swing

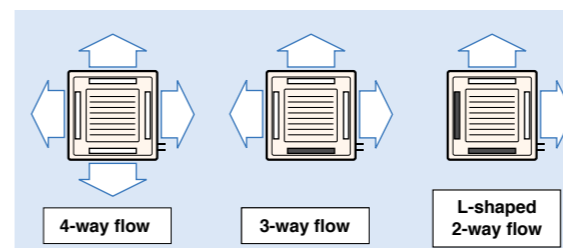


- Fixed angles: 5 levels



\*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°).

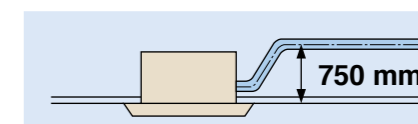
- 2-, 3-, and 4-way airflow patterns are available, enabling installation in the corner of a room.



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



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



## VRV Indoor Units

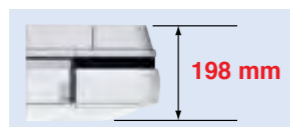
### 4-Way Flow Ceiling Suspended Type

**New** FXUQ71A / FXUQ100A

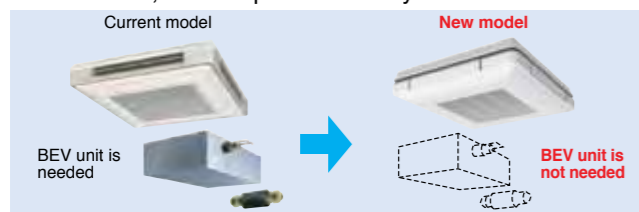


**This slim and stylish indoor unit achieves optimum air distribution, and can be installed without the need for ceiling cavity.**

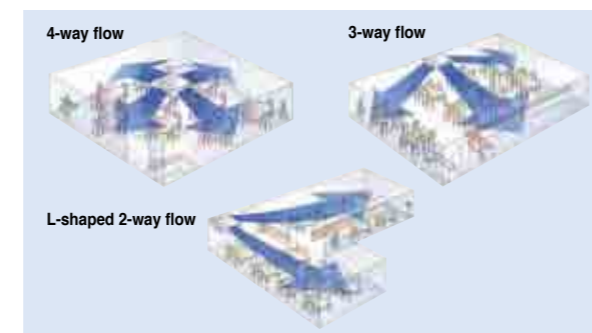
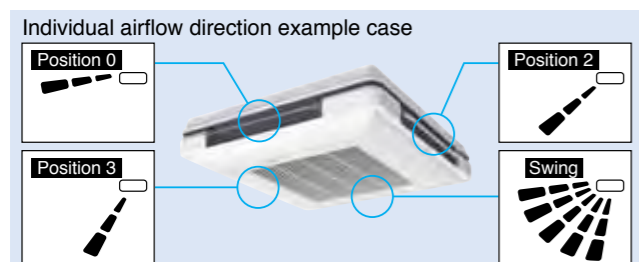
- Unit body and suction panel adopted round shapes and realised a slim appearance design. The unit can be used for various locations such as the ceilings with no cavity and bare ceilings.
- Flaps close automatically when the unit stops, which gives a simple appearance.
- Unified slim height of 198 mm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



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



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



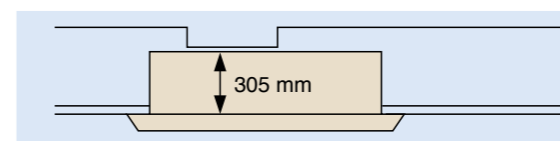
### Ceiling Mounted Cassette (Double Flow) Type

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



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

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

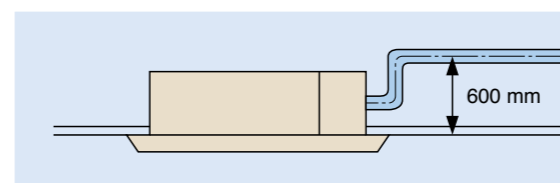


(When a high-efficiency filter is attached, the unit's height is 400 mm.)

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

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

- Designed with higher airflow suitable for high ceiling application up to 3 metres.
- Providing 2 different settings of standard and ceiling soiling prevention, the auto swing mechanism realises even distribution of airflow and room temperature.
- A long-life filter (maintenance free up to one year\*) is equipped as standard accessory.
- 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).
- Major maintenance work can be performed by removing the panel. A flat-type suction grille and a detachable blade make cleaning easy.

## VRV Indoor Units

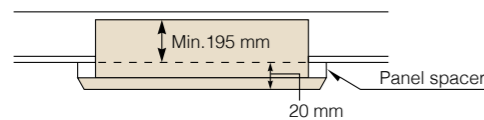
### Ceiling Mounted Cassette Corner Type

FXKQ25MA / FXKQ32MA  
FXKQ40MA / FXKQ63MA

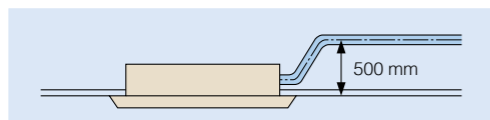


### Slim design for flexible installation

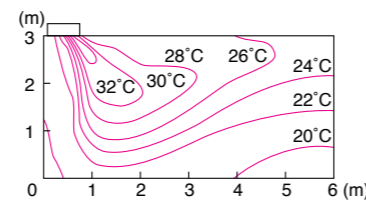
- Slim body needs only 220 mm space above the ceiling. If you use a panel spacer (option), the unit can be installed in the minimum space of 195 mm.



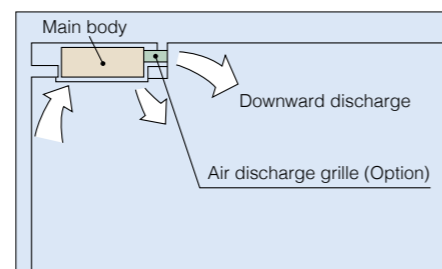
- Single-flow type allows effective air discharge from corner or from drop-ceiling.
- Drain pump is equipped as standard accessory with 500 mm lift.



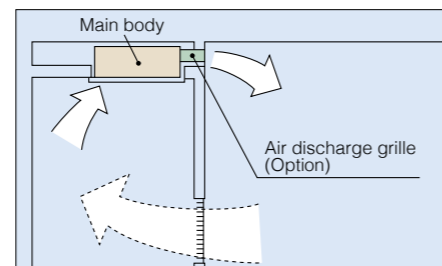
- Providing 3 different settings of standard, draft prevention and ceiling soiling prevention, the auto swing mechanism realises even distribution of airflow and room temperature.



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



\*Set for front discharge using a suspended ceiling.



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

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

\* 8 hr/day, 25 day/month. For dust concentration of 0.15 mg/m<sup>3</sup>

### Slim Ceiling Mounted Duct Type

### Slim design, quietness and static pressure switching

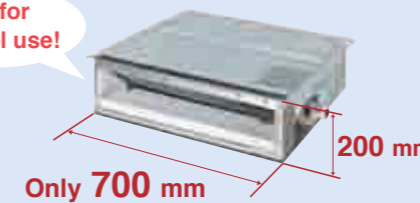


Suited to use in drop-ceilings!

FXDQ20PB / FXDQ25PB / FXDQ32PB

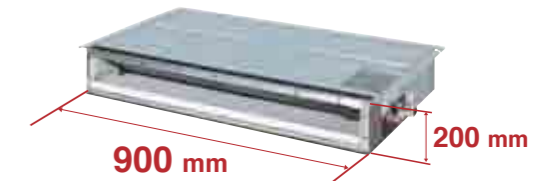
- Only 700 mm in width and 23 kg in weight, this model is suitable to install in limited spaces like drop-ceilings in hotels.

Great for hotel use!

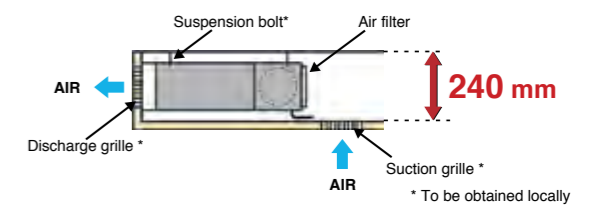


FXDQ40NB / FXDQ50NB / FXDQ63NB

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



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

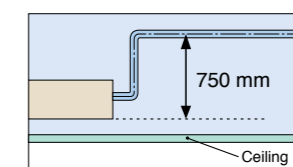


- External static pressure selectable by remote controller switching make this indoor unit a very comfortable and flexible model.

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

- FXDQ-PB and FXDQ-NB models are available in two types to suit different installation conditions.

FXDQ-PB/NBVE: with a drain pump (750 mm lift) as a standard accessory  
FXDQ-PB/NBVET: without a drain pump



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

- Low operation sound level

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

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

## VRV Indoor Units

### Ceiling Mounted Duct Type

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



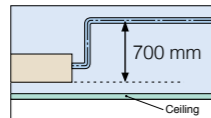
### Middle and high static pressure allows for flexible duct design

- A DC fan motor increases the external static pressure capacity range to include middle to high static pressures, increasing design flexibility.

30 Pa–100 Pa for FXMQ20P-32P  
 30 Pa–160 Pa for FXMQ40P  
 50 Pa–200 Pa for FXMQ50P-125P  
 50 Pa–140 Pa for FXMQ140P

- All models are only 300 mm in height, an improvement over the 390 mm height of conventional models. The weight of the FXMQ40P has been reduced from 44 kg to 28 kg.

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



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

- Low operation sound level

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

- Energy-efficient

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



- Improved ease of installation

- Airflow rate can be controlled using a remote controller during test operation. With the conventional model, the airflow rate was controlled from the PC board. It is automatically adjusted to the range between approximately  $\pm 10\%$  of the rated HH tap airflow for FXMQ20P–125P.

- Improved ease of maintenance

- The drain pan can be detached for easy cleaning. An antibacterial treatment that uses silver ions has been applied to the drain pan, preventing the growth of slime, mould and bacteria that cause blockages and odours.

### FXMQ200MA/FXMQ250MA

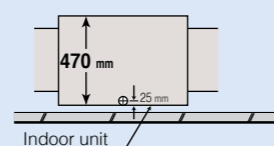


- Simplified Static Pressure Control  
 External static pressure can be easily adjusted using a change-over switch inside the electrical box to meet the resistance in the duct system.

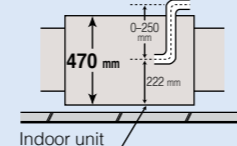
- Built-in Drain Pump (Option)

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

- Without drain pump



- With drain pump



### Ceiling Suspended Type

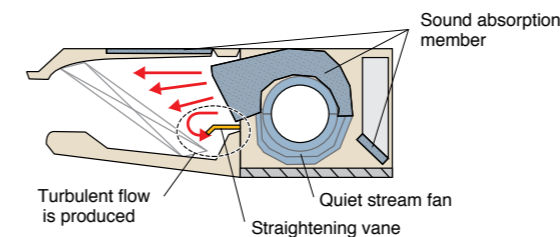
FXHQ32MA / FXHQ63MA  
 FXHQ100MA



### Slim body with quiet and wide airflow

- Adoption of QUIET STREAM FAN

Uses the quiet stream fan and many more advanced technologies.

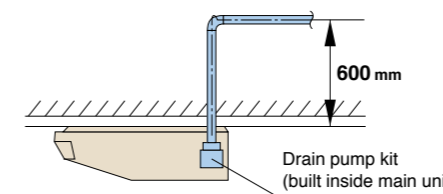


- Low operation sound level

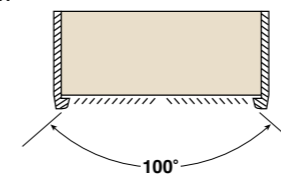
	(dB(A))		
FXHQ-MA	32	63	100
Sound level (H/L)	36/31	39/34	45/37

- Installation is easy

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



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



- Maintenance is easy

- Non-dew Flap with no implanted bristles

Bristle-free Flap minimises contamination and makes cleaning simpler.



Non-dew Flap

- Easy-to-clean flat design

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

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

\* 8 hr/day, 25 day/month. For dust concentration of 0.15 mg/m<sup>3</sup>

## VRV Indoor Units

### Wall Mounted Type

FXAQ20P / FXAQ25P  
FXAQ32P / FXAQ40P  
FXAQ50P / FXAQ63P



### Stylish flat panel design harmonised with your interior décor

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

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

- Low operation sound level

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

(dB(A))

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

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

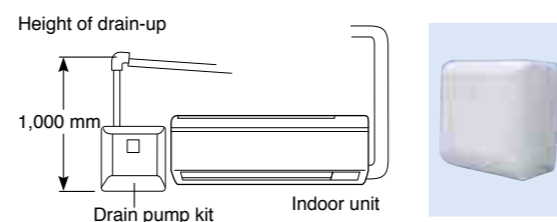
- 5 steps of discharge angle can be set by remote controller.

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

- Flexible installation
  - Drain pipe can be fitted to 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



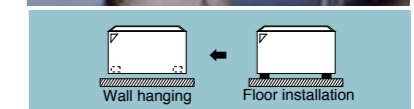
### Suitable for perimeter zone air conditioning

- 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/m<sup>3</sup>



### Concealed Floor Standing Type

FXNQ20MA / FXNQ25MA  
FXNQ32MA / FXNQ40MA  
FXNQ50MA / FXNQ63MA



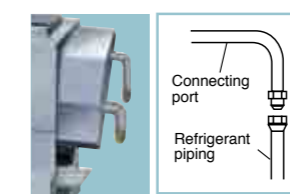
### Designed to be concealed in the perimeter skirting-wall

- 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/m<sup>3</sup>



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





## VRV Indoor Units

### Floor Standing Duct Type

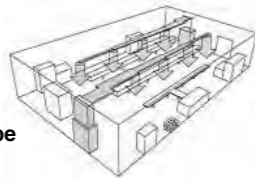
New

FXVQ125M / FXVQ200M  
FXVQ250M / FXVQ400M  
FXVQ500M



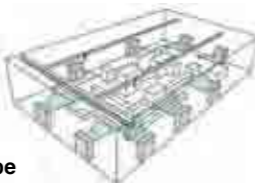
**Large airflow type for large spaces.  
Flexible interior design for each tenant.**

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



Duct connection airflow type

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



Direct airflow type

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

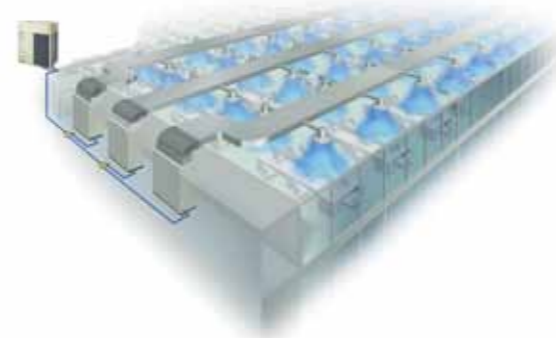
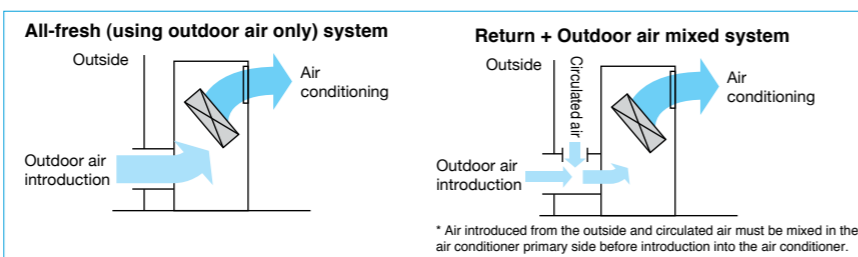
- A long-life filter (maintenance free up to one year\*) is equipped as a standard accessory.

\* 8 hr/day, 26 day/month. For dust concentration of 0.15 mg/m<sup>3</sup>

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

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

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



New

## Residential Indoor Units with connection to BP units

### Ceiling Mounted Cassette Type

FCQ35B / FCQ50B  
FCQ60B / FCQ71B



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



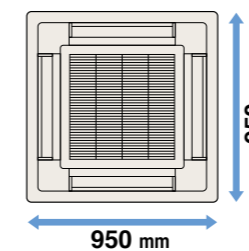
Option



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

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

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



Same for all models

Decoration panel is optional

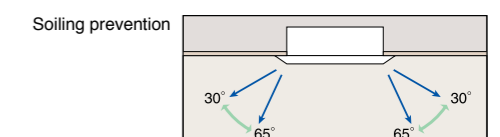
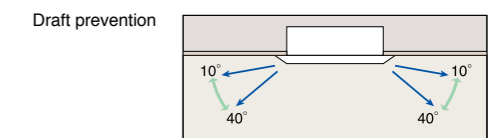
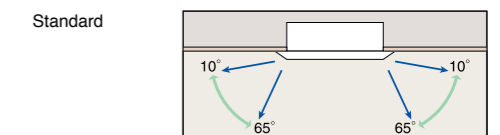
- The indoor units weigh only 24 kg and require an installation space with a height of just 245 mm.



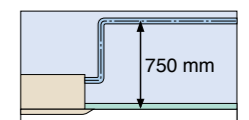
- Low operation sound level

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

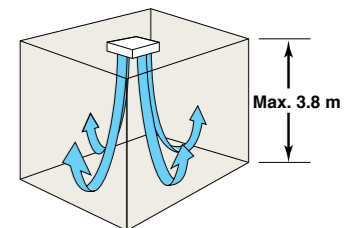
- Three convenient patterns for auto-swing operation



- Drain pump is equipped as standard with 750 mm.



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



**New** Residential Indoor Units with connection to BP units

## Ceiling Mounted Cassette (Compact Multi Flow) Type

FFQ25B / FFQ35B  
FFQ50B / FFQ60B



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



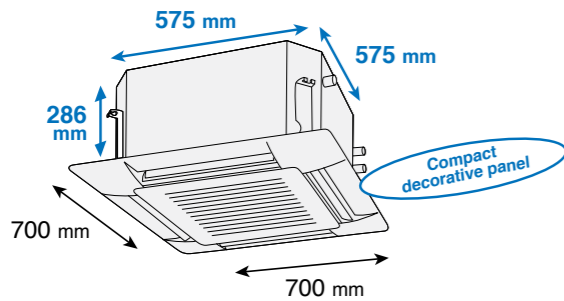
Option



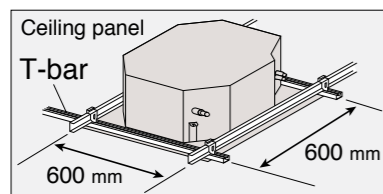
Signal receiver unit  
Note: Wireless remote controllers and signal receiver units are sold as a set.

## Quiet, compact, and designed for user comfort

- Designed to fit 600 mm wide ceiling grids



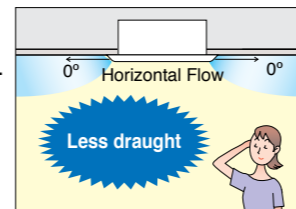
- T-bar grid does not need to be cut.



- Low operation sound level

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

- Low draft performance is designed for your comfort.



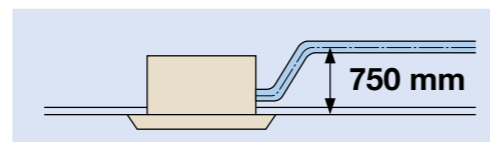
- Comfortable across all areas

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

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

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

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



## Ceiling Mounted Built-in Type

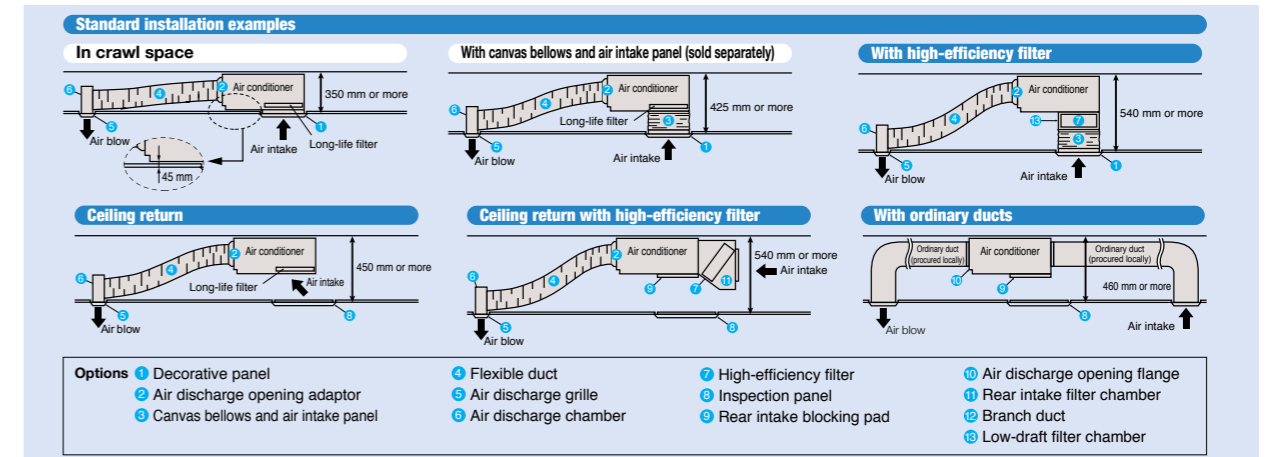
FBQ60B / FBQ71B



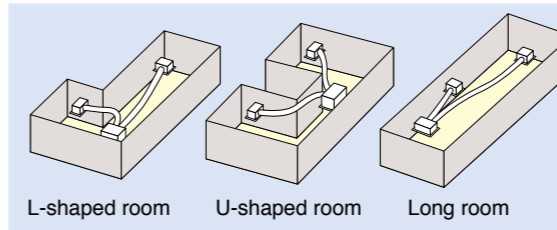
Option  
Note: Remote controller cables not included. Cables should be obtained locally.

## Flexible air discharge unit to fit various forms of space

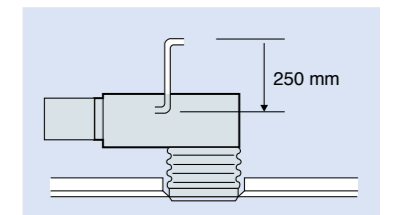
- The indoor unit can be installed in rooms with as little as 350 mm between the drop ceiling and ceiling slab. It also works with both flexible and ordinary ducts.



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



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



- Low operation sound level

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

**New Residential Indoor Units with connection to BP units**

### Slim Ceiling Mounted Duct Type

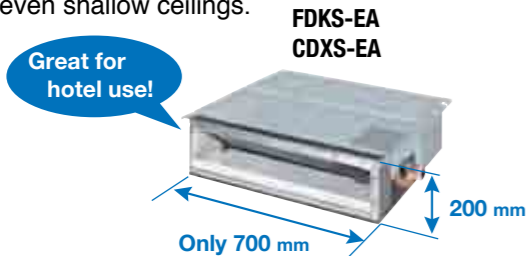
(Cooling Only) FDKS25EA / FDKS35EA  
 FDKS25CA / FDKS35CA  
 FDKS50C / FDKS60C  
 (Heat Pump) CDXS25EA / CDXS35EA  
 FDXS25C / FDXS35C  
 FDXS50C / FDXS60C



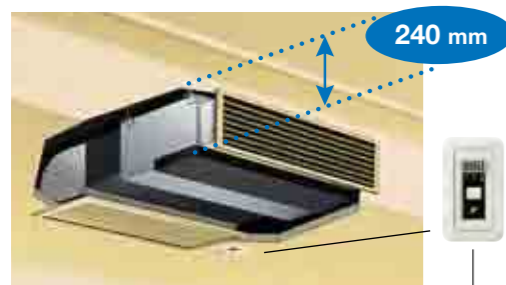
Standard accessory  
 Note: Remote controllers other than the standard accessory wireless remote controller cannot be used.

**Slim and smooth design suits your shallow ceiling**

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



	FDKS25EA CDXS25EA	FDKS35EA CDXS35EA	FDKS25CA FDXS25C	FDKS35CA FDXS35C
Dimensions (H x W x D)	200 x 700 x 620 mm		200 x 900 x 620 mm	
Weight	21 kg		25 kg	
Airflow rate (H)	8.7 m <sup>3</sup> /min		9.5 m <sup>3</sup> /min   10 m <sup>3</sup> /min	
External static pressure	30 Pa		40 Pa	



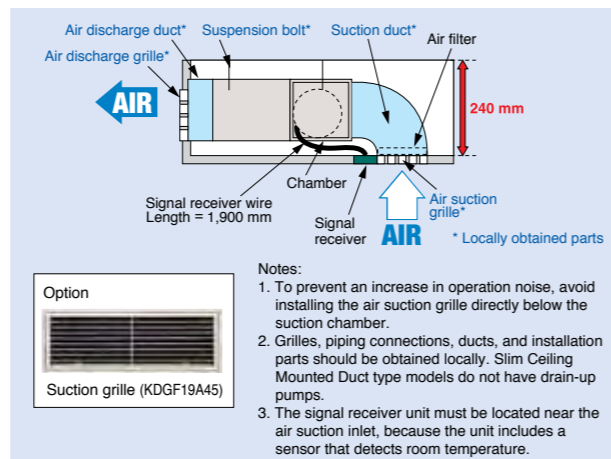
Signals from the wireless remote controller are transmitted to the signal receiver.

Low operation sound level (H/L/SL)

FDKS25 C(F)DXS25	FDKS35 C(F)DXS35	FDKS50 FDXS50	FDKS60 FDXS60
35/31/29 dB (A)	35/31/29 dB (A)	37/33/31 dB (A)	38/34/32 dB (A)

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

\* Home Leave Operation can be selected for any temperature from 18 to 32°C for cooling operation and 10 to 30°C for heating operation.  
 \* Home Leave Operation function must be set using the remote controller when going to sleep or leaving the house, and after waking up or returning home.



### Wall Mounted Type

(Cooling Only) FTKS25D / FTKS35D  
 (Heat Pump) FTXS20D / FTXS25E / FTXS35E

(Cooling Only) FTKS50B

(Cooling Only) FTKS50F / FTKS60F / FTKS71F  
 (Heat Pump) FTXS50F / FTXS60F / FTXS71F



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

### Stylish flat panel harmonises with your interior décor

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

(H/L/SL)

FTK(X)S20/25	FTK(X)S35	FTK(X)S50	FTK(X)S60	FTK(X)S71
37/25/22 dB (A)	39/26/23 dB (A)	43/34/31 dB (A)	45/36/33 dB (A)	46/37/34 dB (A)

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



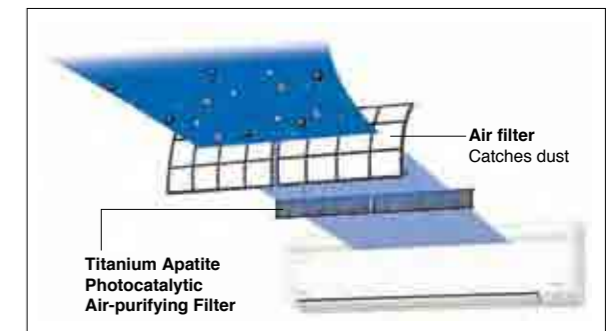
3-D Airflow combines Vertical and Horizontal Auto-Swing to circulate air to every part of a room for even large spaces.



\* This function is available for FTK(X)S50/60/71F.

A uniform temperature is achieved throughout the entire room.

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



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

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



## VRV Indoor Units

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



MODEL		FXFQ25SVM	FXFQ32SVM	FXFQ40SVM	FXFQ50SVM	FXFQ63SVM	FXFQ80SVM	FXFQ100SVM	FXFQ125SVM	
Power supply		1-phase, 220-240 V/220-230 V, 50/60 Hz								
Cooling capacity	kcal/h	2,400	3,100	3,900	4,800	6,100	7,700	9,600	12,000	
	Btu/h	9,600	12,300	15,400	19,100	24,200	30,700	38,200	47,800	
	kW	2.8	3.6	4.5	5.6	7.1	9.0	11.2	14.0	
Heating capacity	kcal/h	2,800	3,400	4,300	5,400	6,900	8,600	10,800	13,800	
	Btu/h	10,900	13,600	17,100	21,500	27,300	34,100	42,700	54,600	
	kW	3.2	4.0	5.0	6.3	8.0	10.0	12.5	16.0	
Power consumption	Cooling	kW	0.031	0.031	0.041	0.080	0.095	0.095	0.194	0.219
	Heating	kW	0.027	0.027	0.037	0.075	0.090	0.090	0.180	0.199
Casing		Galvanised steel plate								
Airflow rate (H/M/L)	m <sup>3</sup> /min	12.5/11.5/10.0	12.5/11.5/10.0	14.5/13.0/11.0	22.0/17.5/13.5	23.5/18.5/13.5	23.5/19.5/15.0	33.0/26.0/19.0	34.5/27.5/21.0	
	cfm	441/406/353	441/406/353	512/459/388	777/618/477	830/653/477	830/688/530	1,165/918/671	1,218/971/741	
Sound level (H/M/L)	dB(A)	30/28.5/27	30/28.5/27	31/29/27	36/32/28	38/33/28	38/35/31	44/38/32	45/40/35	
Dimensions (HxWxD)	mm	246x840x840						288x840x840		
Machine weight	kg	19			23			26		
Piping connections	Liquid (Flare)	φ 6.4			φ 9.5					
	Gas (Flare)	φ 12.7			φ 15.9					
	Drain	I.D. φ 25xO.D. φ 32(VP25)								
Panel (Option)	Model	BYCQ125B-W1								
	Colour	Fresh white								
	Dimensions(HxWxD)	50x950x950								
	Weight	5.5								

### Ceiling Mounted Cassette (Round Flow) Type



MODEL		FXFQ25LUV1	FXFQ32LUV1	FXFQ40LUV1	FXFQ50LUV1	FXFQ63LUV1	FXFQ80LUV1	FXFQ100LUV1	FXFQ125LUV1	
Power supply		1-phase, 220-240 V, 50 Hz								
Cooling capacity	kcal/h	2,400	3,100	3,900	4,800	6,100	7,700	9,600	12,000	
	Btu/h	9,600	12,300	15,400	19,100	24,200	30,700	38,200	47,800	
	kW	2.8	3.6	4.5	5.6	7.1	9.0	11.2	14.0	
Heating capacity	kcal/h	2,800	3,400	4,300	5,400	6,900	8,600	10,800	13,800	
	Btu/h	10,900	13,600	17,100	21,500	27,300	34,100	42,700	54,600	
	kW	3.2	4.0	5.0	6.3	8.0	10.0	12.5	16.0	
Power consumption	Cooling	kW	0.033	0.033	0.047	0.052	0.066	0.093	0.187	0.209
	Heating	kW	0.027	0.027	0.034	0.038	0.053	0.075	0.174	0.200
Casing		Galvanised steel plate								
Airflow rate (HH/H/L)	m <sup>3</sup> /min	13/11.5/10	13/11.5/10	15/13/11	16/13.5/11	19/16.5/13.5	21/18/15	32/26/20	33/28/22.5	
	cfm	459/406/353	459/406/353	530/459/388	565/477/388	671/583/477	742/636/530	1,130/918/706	1,165/989/794	
Sound level (HH/H/L)	dB(A)	30/28.5/27	30/28.5/27	31/29/27	32/29.5/27	34/31/28	36/33.5/31	43/37.5/32	44/39/34	
Dimensions (HxWxD)	mm	246x840x840						288x840x840		
Machine weight	kg	19.5			22			25		
Piping connections	Liquid (Flare)	φ 6.4			φ 9.5					
	Gas (Flare)	φ 12.7			φ 15.9					
	Drain	VP25 (External Dia, 32/Internal Dia, 25)								
Panel (Option)	Model	BYCP125K-W1								
	Colour	Fresh white								
	Dimensions(HxWxD)	50x950x950								
	Weight	5.5								

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

### Ceiling Mounted Cassette (Compact Multi Flow) Type



MODEL		FXZQ20MVE	FXZQ25MVE	FXZQ32MVE	FXZQ40MVE	FXZQ50MVE	
Power supply		1-phase, 220-240 V/220 V, 50/60 Hz					
Cooling capacity	kcal/h	1,900	2,400	3,100	3,900	4,800	
	Btu/h	7,500	9,600	12,300	15,400	19,100	
	kW	2.2	2.8	3.6	4.5	5.6	
Heating capacity	kcal/h	2,200	2,800	3,400	4,300	5,400	
	Btu/h	8,500	10,900	13,600	17,100	21,500	
	kW	2.5	3.2	4.0	5.0	6.3	
Power consumption	Cooling	kW	0.073		0.076	0.089	0.115
	Heating	kW	0.064		0.068	0.080	0.107
Casing		Galvanised steel plate					
Airflow rate (H/L)	m <sup>3</sup> /min	9/7		9.5/7.5	11/8	14/10	
	cfm	318/247		335/265	388/282	493/353	
Sound level (H/L)	230 V	dB(A)	30/25		32/26	36/28	41/33
Dimensions (HxWxD)	mm	286x575x575					
Machine weight	kg	18					
Piping connections	Liquid (Flare)	φ 6.4					
	Gas (Flare)	φ 12.7					
	Drain	VP20 (External Dia, 26/Internal Dia, 20)					
Panel (Option)	Model	BYFQ60B8W1					
	Colour	White (6.5Y9.5/0.5)					
	Dimensions(HxWxD)	55x700x700					
	Weight	2.7					

### 4-way Flow Ceiling Suspended Type



MODEL		FXUQ71AVEB	FXUQ100AVEB	
Power supply		1-phase, 220-240 V/220-230 V, 50/60 Hz		
Cooling capacity	kcal/h	6,900	9,600	
	Btu/h	27,300	38,200	
	kW	8.0	11.2	
Heating capacity	kcal/h	7,700	10,800	
	Btu/h	30,700	42,700	
	kW	9.0	12.5	
Power consumption	Cooling	kW	0.090	0.200
	Heating	kW	0.073	0.179
Casing		Fresh white		
Airflow rate (H/M/L)	m <sup>3</sup> /min	22.5/19.5/16	31/26/21	
	cfm	794/688/565	1,094/918/741	
Sound level (H/M/L)	dB(A)	40/38/36	47/44/40	
Dimensions (HxWxD)	mm	198x950x950		
Machine weight	kg	26	27	
Piping connections	Liquid (Flare)	φ 9.5		
	Gas (Flare)	φ 15.9		
	Drain	VP20 (External Dia, 26/Internal Dia, 20)		

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

## VRV Indoor Units

### Ceiling Mounted Cassette (Double Flow) Type



MODEL		FXCQ20MVE	FXCQ25MVE	FXCQ32MVE	FXCQ40MVE	FXCQ50MVE	FXCQ63MVE	FXCQ80MVE	FXCQ125MVE	
Power supply		1-phase, 220-240 V/220 V, 50/60 Hz								
Cooling capacity	kcal/h	1,900	2,400	3,100	3,900	4,800	6,100	7,700	12,000	
	Btu/h	7,500	9,600	12,300	15,400	19,100	24,200	30,700	47,800	
	kW	2.2	2.8	3.6	4.5	5.6	7.1	9.0	14.0	
	kcal/h	2,200	2,800	3,400	4,300	5,400	6,900	8,600	13,800	
Heating capacity	Btu/h	8,500	10,900	13,600	17,100	21,500	27,300	34,100	54,600	
	kW	2.5	3.2	4.0	5.0	6.3	8.0	10.0	16.0	
Power consumption	Cooling	kW	0.077	0.092	0.092	0.130	0.130	0.161	0.209	0.256
	Heating	kW	0.044	0.059	0.059	0.097	0.097	0.126	0.176	0.223
Casing		Galvanised steel plate								
Airflow rate (HH/M/L)	m <sup>3</sup> /min	7/5	9/6.5	9/6.5	12/9	12/9	16.5/13	26/21	33/25	
	cfm	247/177	318/230	318/230	424/318	424/318	582/459	918/741	1,165/883	
Sound level (H/L)   220 V	dB(A)	32/27	34/28	34/28	34/29	34/29	37/32	39/34	44/38	
Dimensions (HxWxD)	mm	305x775x600	305x775x600	305x775x600	305x990x600	305x990x600	305x1,175x600	305x1,665x600	305x1,665x600	
Machine weight	kg	26.0	26.0	26.0	31.0	32.0	35.0	47.0	48.0	
Piping connections	Liquid (Flare)	mm	φ 6.4	φ 6.4	φ 6.4	φ 6.4	φ 6.4	φ 9.5	φ 9.5	
	Gas (Flare)	mm	φ 12.7	φ 12.7	φ 12.7	φ 12.7	φ 12.7	φ 15.9	φ 15.9	
	Drain	VP25 (External Dia, 32/Internal Dia, 25)								
Panel (Option)	Model	BYBC32G-W1		BYBC50G-W1		BYBC63G-W1	BYBC125G-W1			
	Colour	White (10Y9/0.5)								
	Dimensions(HxWxD)	mm	53x1,030x680	53x1,030x680	53x1,030x680	53x1,245x680	53x1,245x680	53x1,430x680	53x1,920x680	
	Weight	kg	8.0	8.0	8.0	8.5	8.5	9.5	12.0	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	
	kcal/h	2,800	3,400	4,300	6,900	
Heating capacity	Btu/h	10,900	13,600	17,100	27,300	
	kW	3.2	4.0	5.0	8.0	
Power consumption	Cooling	kW	0.066	0.066	0.076	0.105
	Heating	kW	0.046	0.046	0.056	0.085
Casing		Galvanised steel plate				
Airflow rate (H/L)	m <sup>3</sup> /min	11/9	11/9	13/10	18/15	
	cfm	388/318	388/318	459/353	635/530	
Sound level (H/L)   220 V	dB(A)	38/33	38/33	40/34	42/37	
Dimensions (HxWxD)	mm	215x1,110x710	215x1,110x710	215x1,110x710	215x1,310x710	
Machine weight	kg	31	31	31	34	
Piping connections	Liquid (Flare)	mm	φ 6.4	φ 6.4	φ 6.4	φ 9.5
	Gas (Flare)	mm	φ 12.7	φ 12.7	φ 12.7	φ 15.9
	Drain	VP25 (External Dia, 32/Internal Dia, 25)				
Panel (Option)	Model	BYK45FJW1		BYK71FJW1		
	Colour	White (10Y9/0.5)				
	Dimensions(HxWxD)	mm	70x1,240x800	70x1,240x800	70x1,240x800	70x1,440x800
	Weight	kg	8.5	8.5	8.5	9.5

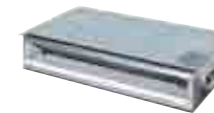
Note: Specifications are based on the following conditions:  
 • Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.  
 • Heating: Indoor temp.: 20°CDB, Outdoor temp.: 7°CDB, 6°CWB, Equivalent piping length: 7.5 m, Level difference: 0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

### Slim Ceiling Mounted Duct Type (700 mm width type)



MODEL	with drain pump	FXDQ20PBVE	FXDQ25PBVE	FXDQ32PBVE	
	without drain pump	FXDQ20PBVET	FXDQ25PBVET	FXDQ32PBVET	
Power supply		1-phase, 220-240 V/220 V, 50/60 Hz			
Cooling capacity	kcal/h	1,900	2,400	3,100	
	Btu/h	7,500	9,600	12,300	
	kW	2.2	2.8	3.6	
	kcal/h	2,200	2,800	3,400	
Heating capacity	Btu/h	8,500	10,900	13,600	
	kW	2.5	3.2	4.0	
Power consumption (FXDQ-PBVE)*1	Cooling	kW	0.086	0.086	0.089
	Heating	kW	0.067	0.067	0.070
Power consumption (FXDQ-PBVET)*1	Cooling	kW	0.067	0.067	0.070
	Heating	kW	0.067	0.067	0.070
Casing		Galvanised steel plate			
Airflow rate (HH/H/L)	m <sup>3</sup> /min	8.0/7.2/6.4	8.0/7.2/6.4	8.0/7.2/6.4	
	cfm	282/254/226	282/254/226	282/254/226	
External static pressure	Pa	30-10*2			
Sound level (HH/H/L)*1*3	dB(A)	33/31/29	33/31/29	33/31/29	
Dimensions (HxWxD)	mm	200x700x620	200x700x620	200x700x620	
Machine weight	kg	23.0	23.0	23.0	
Piping connections	Liquid (Flare)	mm	φ 6.4	φ 6.4	φ 6.4
	Gas (Flare)	mm	φ 12.7	φ 12.7	φ 12.7
	Drain	VP20 (External Dia, 26/Internal Dia, 20)			

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



MODEL	with drain pump	FXDQ40NBVE	FXDQ50NBVE	FXDQ63NBVE	
	without drain pump	FXDQ40NBVET	FXDQ50NBVET	FXDQ63NBVET	
Power supply		1-phase, 220-240 V/220 V, 50/60 Hz			
Cooling capacity	kcal/h	3,900	4,800	6,100	
	Btu/h	15,400	19,100	24,200	
	kW	4.5	5.6	7.1	
	kcal/h	4,300	5,400	6,900	
Heating capacity	Btu/h	17,100	21,500	27,300	
	kW	5.0	6.3	8.0	
Power consumption (FXDQ-PBVE)*1	Cooling	kW	0.160	0.165	0.181
	Heating	kW	0.147	0.152	0.168
Power consumption (FXDQ-PBVET)*1	Cooling	kW	0.147	0.152	0.168
	Heating	kW	0.147	0.152	0.168
Casing		Galvanised steel plate			
Airflow rate (HH/H/L)	m <sup>3</sup> /min	10.5/9.5/8.5	12.5/11.0/10.0	16.5/14.5/13.0	
	cfm	371/335/300	441/388/353	583/512/459	
External static pressure	Pa	44-15*2			
Sound level (HH/H/L)*1*3	dB(A)	34/32/30	35/33/31	36/34/32	
Dimensions (HxWxD)	mm	200x900x620	200x900x620	200x1,100x620	
Machine weight	kg	27.0	28.0	31.0	
Piping connections	Liquid (Flare)	mm	φ 6.4	φ 6.4	φ 6.4
	Gas (Flare)	mm	φ 12.7	φ 12.7	φ 12.7
	Drain	VP20 (External Dia, 26/Internal Dia, 20)			

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

## VRV 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	Cooling	kW 0.056 *1	0.056 *1	0.060 *1	0.151 *1	0.128 *1
	Heating	kW 0.069 *1	0.069 *1	0.073 *1	0.182 *1	0.203 *1
Casing		Galvanised steel plate				
Airflow rate (HH/H/L)	m <sup>3</sup> /min	9/7.5/6.5	9/7.5/6.5	9.5/8/7	16/13/11	18/16.5/15
	cfm	318/265/230	318/265/230	335/282/247	565/459/388	635/582/530
External static pressure	Pa	30-100 (50)*2	30-100 (50)*2	30-100 (50)*2	30-160 (100)*2	50-200 (100)*2
Sound level (HH/H/L)	dB(A)	33/31/29	33/31/29	34/32/30	39/37/35	41/39/37
Dimensions (HxWxD)	mm	300X550X700	300X550X700	300X550X700	300X700X700	300X1,000X700
Machine weight	kg	25	25	25	28	36
Piping connections	Liquid (Flare)	mm $\phi$ 6.4	$\phi$ 6.4	$\phi$ 6.4	$\phi$ 6.4	$\phi$ 6.4
	Gas (Flare)	mm $\phi$ 12.7	$\phi$ 12.7	$\phi$ 12.7	$\phi$ 12.7	$\phi$ 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	Cooling	kW 0.138 *1	0.185 *1	0.215 *1	0.284 *1	0.405 *1
	Heating	kW 0.218 *1	0.286 *1	0.364 *1	0.449 *1	0.449 *1
Casing		Galvanised steel plate				
Airflow rate (HH/H/L)	m <sup>3</sup> /min	19.5/17.5/16	25/22.5/20	32/27/23	39/33/28	46/39/32
	cfm	688/618/565	883/794/706	1,130/953/812	1,377/1,165/988	1,624/1,377/1,130
External static pressure	Pa	50-200 (100)*2	50-200 (100)*2	50-200 (100)*2	50-200 (100)*2	50-140 (100)*2
Sound level (HH/H/L)	dB(A)	42/40/38	43/41/39	43/41/39	44/42/40	46/45/43
Dimensions (HxWxD)	mm	300X1,000X700	300X1,000X700	300X1,400X700	300X1,400X700	300X1,400X700
Machine weight	kg	36	36	46	46	47
Piping connections	Liquid (Flare)	mm $\phi$ 9.5	$\phi$ 9.5	$\phi$ 9.5	$\phi$ 9.5	$\phi$ 9.5
	Gas (Flare)	mm $\phi$ 15.9	$\phi$ 15.9	$\phi$ 15.9	$\phi$ 15.9	$\phi$ 15.9
	Drain	VP25 (External Dia, 32/Internal Dia, 25)				

Note: Specifications are based on the following conditions:  
 • Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.  
 • Heating: Indoor temp.: 20°CDB, Outdoor temp.: 7°CDB, 6°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.  
 • Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index.  
 (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 1.294 *1	1.465 *1
	Heating	kW 1.294 *1	1.465 *1
Casing		Galvanised steel plate	
Airflow rate (H/L)	m <sup>3</sup> /min	58/50	72/62
	cfm	2,047/1,765	2,542/2,189
External static pressure	Pa	132-221 *2	191-270 *2
Sound level(H/L)   220 V	dB(A)	48/45	48/45
Dimensions (HxWxD)	mm	470X1,380X1,100	470X1,380X1,100
Machine weight	kg	137	137
Piping connections	Liquid (Flare)	mm $\phi$ 9.5	$\phi$ 9.5
	Gas (Flare)	mm $\phi$ 19.1	$\phi$ 22.2
	Drain	PS1B	

### Ceiling Suspended Type



MODEL		FXHQ32MAVE	FXHQ63MAVE	FXHQ100MAVE
Power supply		1-phase, 220-240 V/220 V, 50/60 Hz		
Cooling capacity	kcal/h	3,100	6,100	9,600
	Btu/h	12,300	24,200	38,200
	kW	3.6	7.1	11.2
Heating capacity	kcal/h	3,400	6,900	10,800
	Btu/h	13,600	27,300	42,700
	kW	4.0	8.0	12.5
Power consumption	Cooling	kW 0.111	0.115	0.135
	Heating	kW 0.111	0.115	0.135
Casing		White (10Y9/0.5)		
Airflow rate (H/L)	m <sup>3</sup> /min	12/10	17.5/14	25/19.5
	cfm	424/353	618/494	883/688
Sound level (H/L)	dB(A)	36/31	39/34	45/37
Dimensions (HxWxD)	mm	195X960X680	195X1,160X680	195X1,400X680
Machine weight	kg	24.0	28.0	33.0
Piping connections	Liquid (Flare)	mm $\phi$ 6.4	$\phi$ 9.5	$\phi$ 9.5
	Gas (Flare)	mm $\phi$ 12.7	$\phi$ 15.9	$\phi$ 15.9
	Drain	VP20 (External Dia, 26/Internal Dia, 20)		

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

## VRV 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	0.050
	Heating	kW	0.029	0.034	0.035	0.020	0.039	0.060
Casing		White (3.0Y8.5/0.5)						
Airflow rate (H/L)	m <sup>3</sup> /min	7.5/4.5	8/5	8.5/5.5	12/9	15/12	19/14	
	cfm	265/159	282/177	300/194	424/318	530/424	671/494	
Sound level (H/L)	dB(A)	35/31	36/31	38/31	39/34	42/37	47/41	
Dimensions (HxWxD)	mm	290x795x238	290x795x238	290x795x238	290x1,050x238	290x1,050x238	290x1,050x238	
Machine weight	kg	11.0	11.0	11.0	14.0	14.0	14.0	
Piping connections	Liquid (Flare)	mm	φ6.4	φ6.4	φ6.4	φ6.4	φ9.5	
	Gas (Flare)	mm	φ12.7	φ12.7	φ12.7	φ12.7	φ15.9	
	Drain	VP13 (External Dia, 18/Internal Dia, 13)						

### Floor Standing Type/Concealed Floor Standing Type



FXLQ



FXNQ

MODEL		FXLQ20MAVE	FXLQ25MAVE	FXLQ32MAVE	FXLQ40MAVE	FXLQ50MAVE	FXLQ63MAVE	
		FXNQ20MAVE	FXNQ25MAVE	FXNQ32MAVE	FXNQ40MAVE	FXNQ50MAVE	FXNQ63MAVE	
Power supply		1-phase, 220-240 V/220 V, 50/60 Hz						
Cooling capacity	kcal/h	1,900	2,400	3,100	3,900	4,800	6,100	
	Btu/h	7,500	9,600	12,300	15,400	19,100	24,200	
	kW	2.2	2.8	3.6	4.5	5.6	7.1	
Heating capacity	kcal/h	2,200	2,800	3,400	4,300	5,400	6,900	
	Btu/h	8,500	10,900	13,600	17,100	21,500	27,300	
	kW	2.5	3.2	4.0	5.0	6.3	8.0	
Power consumption	Cooling	kW	0.049	0.049	0.090	0.090	0.110	0.110
	Heating	kW	0.049	0.049	0.090	0.090	0.110	0.110
Casing		FXLQ: Ivory white (5Y7.5/1)/FXNQ: Galvanised steel plate						
Airflow rate (H/L)	m <sup>3</sup> /min	7/6	7/6	8/6	11/8.5	14/11	16/12	
	cfm	247/212	247/212	282/212	388/300	494/388	565/424	
Sound level (H/L)	220 V dB(A)	35/32	35/32	35/32	38/33	39/34	40/35	
Dimensions (HxWxD)	FXLQ	mm	600x1,000x222	600x1,000x222	600x1,140x222	600x1,140x222	600x1,420x222	
	FXNQ	mm	610x930x220	610x930x220	610x1,070x220	610x1,070x220	610x1,350x220	
Machine weight	FXLQ	kg	25.0	25.0	30.0	30.0	36.0	
	FXNQ	kg	19.0	19.0	23.0	23.0	27.0	
Piping connections	Liquid (Flare)	mm	φ6.4	φ6.4	φ6.4	φ6.4	φ9.5	
	Gas (Flare)	mm	φ12.7	φ12.7	φ12.7	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: (FXLQ-P) Anechoic chamber conversion value, measured at a point 1 m in front of the unit and 1 m downward.  
 (FXLQ-MA, FXNQ-MA) Anechoic chamber conversion value, measured at a point 1.5 m in front of the unit at a height of 1.5 m.  
 During actual operation, these values are normally somewhat higher as a result of ambient conditions.

### Floor Standing Duct Type



MODEL		FXVQ125MY1	FXVQ200MY1	FXVQ250MY1	FXVQ400MY1	FXVQ500MY1	FXVQ500MY16	
Power supply		3-phase 4-wire system, 380-415 V, 50 Hz						
Cooling capacity	kcal/h	12,000	19,300	24,100	38,700	48,200		
	Btu/h	47,800	76,400	95,500	154,000	191,000		
	kW	14.0	22.4	28.0	45.0	56.0		
Heating capacity	kcal/h	13,800	21,500	27,100	43,000	54,200		
	Btu/h	54,600	85,300	107,500	171,000	215,000		
	kW	16.0	25.0	31.5	50.0	63.0		
Power consumption	Cooling	kW	0.59	1.41	1.68	3.97	2.62	5.02
	Heating	kW	0.59	1.41	1.68	3.97	2.62	5.02
Casing colour		Ivory white (5Y7.5/1)						
Dimensions (HxWxD)	mm	1,670x750x510	1,670x950x510	1,670x1,170x510	1,900x1,170x720	1,900x1,470x720		
Machine weight	kg	115	140	165	225	270	295	
Sound level *1	dB(A)	52	55	59	64	61	67	
Piping connections	Liquid	mm	φ9.5 (Brazeing)			φ12.7 (Brazeing)	φ15.9 (Brazeing)	
	Gas	mm	φ15.9 (Brazeing)	φ19.1 (Brazeing)	φ22.2 (Brazeing)	φ28.6 (Brazeing)	φ28.6 (Brazeing)	
	Drain	mm	Rp1 (PS 1B internal thread)					
Air filter	Type	Long-life filter (anti-mould resin net)						
Fan	Motor output	kW	0.75	1.5	1.5	3.7	3.7	5.5
	Airflow rate	m <sup>3</sup> /min	43	69	86	134	165	172
		cfm	1,518	2,436	3,036	4,730	5,825	6,072
	External static pressure *2	Pa	150	210	270	380	125	480
Drive system	Belt drive system							

Notes: Specifications are based on the following conditions:  
 •Cooling: Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB.  
 •Heating: Indoor temp.: 20°CDB, Outdoor temp.: 7°CDB, 6°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.  
 •Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index.  
 (See Engineering Data Book for details.)  
 \*1 Sound level: measured when the air discharge outlet duct (2 m) is attached (anechoic chamber conversion value).  
 It increases by approximately 5 dB(A) when the plenum chamber is installed to deliver direct airflow.  
 \*2 The value is the external static pressure with standard pulley.

## Residential indoor units with connection to BP units

### Ceiling Mounted Cassette Type



MODEL		FCQ35BVE	FCQ50BVE	FCQ60BVE	FCQ71BVE
Power supply		1-phase, 220-240 V/220 V, 50/60 Hz			
Airflow rates (H)	m <sup>3</sup> /min (cfm)	14.0 (494)	15.0 (530)	19.0 (671)	
Sound levels (H/L)*	dB (A)	33/29		35/30	
Fan speed		2 steps			
Temperature control		Microcomputer control			
Dimensions (HxWxD)		230x840x840			
Machine weight		24			
Piping connections	Liquid (Flare)	φ 6.4		φ 9.5	
	Gas (Flare)	φ 9.5		φ 12.7	
	Drain	I.D. ø25xO.D. ø32			
Heat insulation		Both liquid and gas pipes			
Panel (Option)	Model	BYC125K-W1			
	Colour	White			
	Dimensions (HxWxD)	40x950x950			
Weight	kg	5			

Note: \* For 220 V operation.

### Ceiling Mounted Cassette (Compact Multi Flow) Type

600 x 600



MODEL		FFQ25BV1B	FFQ35BV1B	FFQ50BV1B	FFQ60BV1B
Power supply		1-phase, 220-240 V, 50 Hz			
Airflow rates (H)	m <sup>3</sup> /min (cfm)	9.0 (318)	10.0 (353)	12.0 (424)	15.0 (530)
Sound levels (H/L)*	dB (A)	29.5/24.5	32/25	36/27	41/32
Fan speed		2 steps			
Temperature control		Microcomputer control			
Dimensions (HxWxD)		286x575x575			
Machine weight		17.5			
Piping connections	Liquid (Flare)	φ 6.4			
	Gas (Flare)	φ 9.5		φ 12.7	
	Drain	VP20 (External Dia. 26/Internal Dia. 20)			
Heat insulation		Both liquid and gas pipes			
Panel (Option)	Model	BYFQ60B8W1			
	Colour	White			
	Dimensions (HxWxD)	55x700x700			
Weight	kg	2.7			

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

### Ceiling Mounted Built-in Type



MODEL		FBQ60BV1	FBQ71BV1
Power supply		1-phase, 220-240 V, 50 Hz	
Airflow rates (H)	m <sup>3</sup> /min (cfm)	17.0 (600)	19.0 (670)
Sound levels (H/L)*	dB (A)	41/35	
Fan speed		2 steps	
Temperature control		Microcomputer control	
Dimensions (HxWxD)		300x1,000x800	
Machine weight		41	
Piping connections	Liquid (Flare)	φ 6.4	
	Gas (Flare)	φ 12.7	
	Drain	I.D. ø25xO.D. ø32	
Heat insulation		Both liquid and gas pipes	
Panel (Option)	Model	BYBS71DJW1	
	Colour	White	
	Dimensions (HxWxD)	55x1,100x500	
Weight	kg	4.5	

Note: \* For 220 V operation.

### Slim Ceiling Mounted Duct Type



MODEL	Cooling Only		FDKS25EAVMB	FDKS35EAVMB	FDKS25CAVMB	FDKS35CAVMB	FDKS50CVMB	FDKS60CVMB
	Heat Pump		CDXS25EAVMA	CDXS35EAVMA	FDXS25CVMA	FDXS35CVMA	FDXS50CVMA	FDXS60CVMA
Power supply		1-phase, 220-240 V/220-230 V, 50/60 Hz						
Airflow rates (H)	m <sup>3</sup> /min (cfm)	8.7 (307)		9.5 (335)		10.0 (353)		12.0 (424)
Sound levels (H/L/SL)*	dB (A)	35/31/29		37/33/29		37/33/31		38/34/32
Fan speed		5 steps, quiet and automatic						
Temperature control		Microcomputer control						
Dimensions (HxWxD)		200x700x620		200x900x620		200x1,100x620		
Machine weight		21		25		27		30
Piping connections	Liquid (Flare)	φ 6.4						
	Gas (Flare)	φ 9.5			φ 12.7			
	Drain	VP20 (External Dia. 26/Internal Dia. 20)						
Heat insulation		Both liquid and gas pipes						
External static pressure		30		40				

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

### Wall Mounted Type



MODEL	Cooling Only		FTKS25DVM	FTKS35DVM	FTKS50BVM	FTKS50FVM	FTKS60FVM	FTKS71FVM
	Heat Pump		FTXS20DVMA	FTXS25EVMA	FTXS35EVMA	FTXS50FVMA	FTXS60FVMA	FTXS71FVMA
Power supply		1-phase, 220-240 V/220-230 V, 50/60 Hz						
Front panel colour		White						
Airflow rates (H)	Cooling	m <sup>3</sup> /min (cfm)	8.7 (307)	8.9 (314)	11.4 (402)	14.7 (519)	16.2 (572)	17.4 (614)
	Heating*		9.4 (332)	9.7 (342)	—	16.2 (572)	17.4 (614)	21.5 (759)
Sound levels (H/L/SL)	Cooling	dB (A)	37/25/22	39/26/23	44/35/32	43/34/31	45/36/33	46/37/34
	Heating*		37/28/25	38/29/26	—	42/33/30	44/35/32	46/37/34
Fan speed		5 steps, quiet and automatic						
Temperature control		Microcomputer control						
Dimensions (HxWxD)		283x800x195		290x795x238		290x1,050x238		
Machine weight		9		12				
Piping connections	Liquid (Flare)	φ 6.4						
	Gas (Flare)	φ 9.5			φ 12.7		φ 15.9	
	Drain	φ 18.0						
Heat insulation		Both liquid and gas pipes						

Note: \* For Heat Pump type only.

### BP Units for connection to residential indoor units



MODEL		BPMKS967A3		BPMKS967A2	
Power supply		1-phase, 220-240 V/220-230 V, 50/60 Hz			
Number of ports		3 (connectable to 1-3 indoor units)		2 (connectable to 1-2 indoor units)	
Power consumption		W			
Running current		A			
Dimensions (HxWxD)		mm			
Machine weight		kg		kg	
Number of wiring connections		3 for power supply (including earth wiring), 2 for interunit wiring (outdoor unit-BP, BP-BP), 4 for interunit wiring (BP-indoor unit)			
Piping connections (Brazeing)	Liquid	Main	mm		
		Branch	mm		
	Gas	Main	mm		
		Branch	mm		
Heat insulation		Both liquid and gas pipes			
Connectable indoor units		2.5 kW class to 7.1 kW class residential indoor units			
Min. rated capacity of connectable indoor units		kW			
Max. rated capacity of connectable indoor units		kW		kW	

Note: \* Total auxiliary piping length.



## Outdoor Units

Cooling Only

### High-COP Type

MODEL		RXQ12THY1(E)	RXQ14THY1(E)	RXQ16THY1(E)	RXQ18THY1(E)	RXQ20THY1(E)	RXQ22THY1(E)	RXQ24THY1(E)	RXQ26THY1(E)	RXQ28THY1(E)	RXQ30THY1(E)	RXQ32THY1(E)	RXQ34THY1(E)	RXQ36THY1(E)	RXQ38THY1(E)	RXQ40THY1(E)
Combination units		RXQ6TY1(E)	RXQ6TY1(E)	RXQ8TY1(E)	RXQ6TY1(E)	RXQ6TY1(E)	RXQ6TY1(E)	RXQ8TY1(E)	RXQ8TY1(E)	RXQ8TY1(E)	RXQ8TY1(E)	RXQ8TY1(E)	RXQ8TY1(E)	RXQ8TY1(E)	RXQ12TY1(E)	RXQ12TY1(E)
		RXQ6TY1(E)	RXQ8TY1(E)	RXQ8TY1(E)	RXQ6TY1(E)	RXQ6TY1(E)	RXQ8TY1(E)	RXQ8TY1(E)	RXQ8TY1(E)	RXQ8TY1(E)	RXQ10TY1(E)	RXQ12TY1(E)	RXQ12TY1(E)	RXQ14TY1(E)	RXQ12TY1(E)	RXQ14TY1(E)
		—	—	—	RXQ6TY1(E)	RXQ8TY1(E)	RXQ8TY1(E)	RXQ8TY1(E)	RXQ10TY1(E)	RXQ12TY1(E)	RXQ12TY1(E)	RXQ12TY1(E)	RXQ14TY1(E)	RXQ14TY1(E)	RXQ14TY1(E)	RXQ14TY1(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	27,500	33,000	38,500	41,300	46,800	52,300	57,800	62,600	67,300	72,200	76,900	82,500	87,700	92,000	98,000
	Btu/h	109,000	131,000	153,000	164,000	186,000	207,000	229,000	248,000	267,000	286,000	305,000	327,000	348,000	365,000	389,000
	kW	32.0	38.4	44.8	48.0	54.4	60.8	67.2	72.8	78.3	83.9	89.4	95.9	102	107	114
Power consumption	kW	7.26	8.84	10.4	10.9	12.5	14.1	15.6	17.7	19.4	21.5	23.2	25.1	27.0	28.9	30.8
Capacity control	%	10-100	10-100	10-100	7-100	7-100	7-100	7-100	6-100	6-100	5-100	5-100	5-100	4-100	4-100	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	(2.4X1)+ (2.4X1)	(2.4X1)+ (3.4X1)	(3.4X1)+ (3.4X1)	(2.4X1)+ (2.4X1)	(2.4X1)+ (3.4X1)	(2.4X1)+ (3.4X1)	(3.4X1)+ (3.4X1)	(3.4X1)+ (3.4X1)+ (4.1X1)	(3.4X1)+ (3.4X1)+ (5.2X1)	(3.4X1)+ (4.1X1)+ (5.2X1)	(3.4X1)+ (5.2X1)+ (5.2X1)	(3.4X1)+(5.2X1)+ (2.9X1)+(3.3X1)	(3.4X1)+(2.9X1)+ (3.3X1)+(2.9X1)+ (3.3X1)	(5.2X1)+(5.2X1)+ (2.9X1)+(3.3X1)
Airflow rate	m <sup>3</sup> /min	119+119	119+157	157+157	119+119+119	119+119+157	119+157+157	157+157+157	157+157+165	157+157+178	157+165+178	157+178+178	157+178+233	157+233+233	178+178+233	178+233+233
Dimensions (HxWxD)	mm	(1,657x930x765)+ (1,657x930x765)	(1,657x930x765)+ (1,657x930x765)	(1,657x930x765)+ (1,657x930x765)	(1,657x930x765)+ (1,657x930x765)	(1,657x930x765)+ (1,657x930x765)	(1,657x930x765)+ (1,657x930x765)	(1,657x930x765)+ (1,657x930x765)	(1,657x930x765)+ (1,657x930x765)	(1,657x930x765)+ (1,657x930x765)	(1,657x930x765)+ (1,657x930x765)	(1,657x930x765)+ (1,657x930x765)	(1,657x930x765)+ (1,657x1,240x765)	(1,657x930x765)+ (1,657x1,240x765)	(1,657x930x765)+ (1,657x1,240x765)	(1,657x930x765)+ (1,657x1,240x765)
Machine weight	kg	185+185	185+185	185+185	185+185+185	185+185+185	185+185+185	185+185+185	185+185+195	185+185+195	185+195+195	185+195+195	185+195+285	185+285+285	195+195+285	195+285+285
Sound level	dB(A)	58	59	59	60	60	60	61	61	62	62	63	63	64	64	64
Operation range	°CDB	-5 to 43							-5 to 43							
Refrigerant	Type	R-410A							R-410A							
	Charge	kg	5.9+5.9	5.9+5.9	5.9+5.9	5.9+5.9+5.9	5.9+5.9+5.9	5.9+5.9+5.9	5.9+5.9+5.9	5.9+5.9+6.0	5.9+5.9+6.3	5.9+6.0+6.3	5.9+6.3+6.3	5.9+6.3+10.3	5.9+10.3+10.3	6.3+6.3+10.3
Piping connections	Liquid	mm	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)	φ19.1 (Brazing)	φ19.1 (Brazing)
	Gas	mm	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)	φ41.3 (Brazing)	φ41.3 (Brazing)

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

2. Specifications are based on the following conditions;

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

•Sound level: Anechoic chamber conversion value, measured at a point 1 m in front of the unit at a height of 1.5 m.

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

## Outdoor Units

## Cooling Only

### High-COP Type



MODEL	RXQ42THY1(E)	RXQ44THY1(E)	RXQ46THY1(E)	RXQ48THY1(E)	RXQ50THY1(E)		
Combination units	RXQ14TY1(E)	RXQ14TY1(E)	RXQ14TY1(E)	RXQ16TY1(E)	RXQ16TY1(E)		
	RXQ14TY1(E)	RXQ14TY1(E)	RXQ16TY1(E)	RXQ16TY1(E)	RXQ16TY1(E)		
	RXQ14TY1(E)	RXQ16TY1(E)	RXQ16TY1(E)	RXQ16TY1(E)	RXQ18TY1(E)		
Power supply	3-phase 4-wire system, 380–415 V, 50 Hz						
Cooling capacity	kcal/h	103,000	108,000	112,000	116,000	120,000	
	Btu/h	409,000	427,000	444,000	461,000	478,000	
	kW	120	125	130	135	140	
Power consumption	kW	32.7	34.8	36.9	39.0	41.4	
Capacity control	%	4-100	3-100	3-100	3-100	3-100	
Casing colour	Ivory white (5Y7.5/1)						
Compressor	Type	Hermetically Sealed Scroll Type					
	Motor output	kW	(2.9X1)+(3.3X1)+ (2.9X1)+(3.3X1)+ (2.9X1)+(3.3X1)	(2.9X1)+(3.3X1)+ (2.9X1)+(3.3X1)+ (3.6X1)+(3.7X1)	(2.9X1)+(3.3X1)+ (3.6X1)+(3.7X1)+ (3.6X1)+(3.7X1)	(3.6X1)+(3.7X1)+ (3.6X1)+(3.7X1)+ (3.6X1)+(3.7X1)	(3.6X1)+(3.7X1)+ (3.6X1)+(3.7X1)+ (4.4X1)+(4.0X1)
Airflow rate	m <sup>3</sup> /min	233+233+233	233+233+233	233+233+233	233+233+233	233+233+233	
Dimensions (HxWxD)	mm	(1,657X1,240X765)+ (1,657X1,240X765)+ (1,657X1,240X765)	(1,657X1,240X765)+ (1,657X1,240X765)+ (1,657X1,240X765)	(1,657X1,240X765)+ (1,657X1,240X765)+ (1,657X1,240X765)	(1,657X1,240X765)+ (1,657X1,240X765)+ (1,657X1,240X765)	(1,657X1,240X765)+ (1,657X1,240X765)+ (1,657X1,240X765)	
Machine weight	kg	285+285+285	285+285+285	285+285+285	285+285+285	285+285+285	
Sound level	dB(A)	65	65	65	66	66	
Operation range	°CDB	-5 to 43					
Refrigerant	Type	R-410A					
	Charge	kg	10.3+10.3+10.3	10.3+10.3+10.4	10.3+10.4+10.4	10.4+10.4+10.4	10.4+10.4+10.5
Piping connections	Liquid	mm	φ 19.1 (Brazing)	φ 19.1 (Brazing)	φ 19.1 (Brazing)	φ 19.1 (Brazing)	φ 19.1 (Brazing)
	Gas	mm	φ 41.3 (Brazing)	φ 41.3 (Brazing)	φ 41.3 (Brazing)	φ 41.3 (Brazing)	φ 41.3 (Brazing)

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

2. Specifications are based on the following conditions;

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

•Sound level: Anechoic chamber conversion value, measured at a point 1 m in front of the unit at a height of 1.5 m.

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

### Standard Type



MODEL	RXQ6TY1(E)	RXQ8TY1(E)	RXQ10TY1(E)	RXQ12TY1(E)	RXQ14TY1(E)	RXQ16TY1(E)	
Combination units	—	—	—	—	—	—	
	—	—	—	—	—	—	
	—	—	—	—	—	—	
Power supply	3-phase 4-wire system, 380–415 V, 50 Hz						
Cooling capacity	kcal/h	13,800	19,300	24,100	28,800	34,400	38,700
	Btu/h	54,600	76,400	95,500	114,000	136,000	154,000
	kW	16.0	22.4	28.0	33.5	40.0	45.0
Power consumption	kW	3.63	5.21	7.29	9.01	10.9	13.0
Capacity control	%	20-100	20-100	16-100	15-100	11-100	10-100
Casing colour	Ivory white (5Y7.5/1)						
Compressor	Type	Hermetically Sealed Scroll Type					
	Motor output	kW	2.4X1	3.4X1	4.1X1	5.2X1	(2.9X1)+(3.3X1)
Airflow rate	m <sup>3</sup> /min	119	157	165	178	233	233
Dimensions (HxWxD)	mm	1,657X930X765	1,657X930X765	1,657X930X765	1,657X930X765	1,657X1,240X765	1,657X1,240X765
Machine weight	kg	185	185	195	195	285	285
Sound level	dB(A)	55	56	57	59	60	61
Operation range	°CDB	-5 to 43					
Refrigerant	Type	R-410A					
	Charge	kg	5.9	5.9	6.0	6.3	10.3
Piping connections	Liquid	mm	φ 9.5 (Brazing)			φ 12.7 (Brazing)	
	Gas	mm	φ 19.1 (Brazing)		φ 22.2 (Brazing)	φ 28.6 (Brazing)	

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

2. Specifications are based on the following conditions;

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

•Sound level: Anechoic chamber conversion value, measured at a point 1 m in front of the unit at a height of 1.5 m.

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

## Outdoor Units

Cooling Only

### Standard Type

MODEL		RXQ18TNY1(E)	RXQ20TNY1(E)	RXQ22TNY1(E)	RXQ24TNY1(E)	RXQ26TNY1(E)	RXQ28TNY1(E)	RXQ30TNY1(E)	RXQ32TNY1(E)	RXQ34TNY1(E)	RXQ36TNY1(E)	RXQ38TNY1(E)	RXQ40TNY1(E)	RXQ42TNY1(E)	RXQ44TNY1(E)	RXQ46TNY1(E)
Combination units		RXQ8TY1(E)	RXQ8TY1(E)	RXQ8TY1(E)	RXQ10TY1(E)	RXQ12TY1(E)	RXQ14TY1(E)	RXQ14TY1(E)	RXQ14TY1(E)	RXQ10TY1(E)	RXQ12TY1(E)	RXQ8TY1(E)	RXQ12TY1(E)	RXQ12TY1(E)	RXQ12TY1(E)	RXQ14TY1(E)
		RXQ10TY1(E)	RXQ12TY1(E)	RXQ14TY1(E)	RXQ14TY1(E)	RXQ14TY1(E)	RXQ14TY1(E)	RXQ16TY1(E)	RXQ18TY1(E)	RXQ12TY1(E)	RXQ12TY1(E)	RXQ12TY1(E)	RXQ12TY1(E)	RXQ14TY1(E)	RXQ16TY1(E)	RXQ14TY1(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	43,300	48,100	53,700	58,500	63,200	68,800	73,100	77,400	81,700	86,900	91,200	96,300	102,000	107,000	112,000
	Btu/h	172,000	191,000	213,000	232,000	251,000	273,000	290,000	307,000	324,000	345,000	362,000	382,000	406,000	423,000	444,000
	kW	50.4	55.9	62.4	68.0	73.5	80.0	85.0	90.0	95.0	101	106	112	119	124	130
Power consumption	kW	12.5	14.2	16.1	18.2	19.9	21.8	23.9	26.3	25.3	27.0	29.6	31.0	32.9	35.0	37.2
Capacity control	%	8-100	8-100	7-100	6-100	6-100	5-100	5-100	5-100	5-100	5-100	4-100	4-100	4-100	4-100	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)+ (4.1X1)	(3.4X1)+ (5.2X1)	(3.4X1)+ (2.9X1)+ (3.3X1)	(4.1X1)+ (2.9X1)+ (3.3X1)	(5.2X1)+ (2.9X1)+ (3.3X1)	(2.9X1)+(3.3X1)+ (2.9X1)+(3.3X1)	(2.9X1)+(3.3X1)+ (3.6X1)+(3.7X1)	(2.9X1)+(3.3X1)+ (4.4X1)+(4.0X1)	(4.1X1)+(5.2X1)+ (5.2X1)	(5.2X1)+(5.2X1)+ (5.2X1)	(3.4X1)+(5.2X1)+ (4.4X1)+(4.0X1)	(5.2X1)+(5.2X1)+ (3.6X1)+(3.7X1)	(5.2X1)+(2.9X1)+ (3.3X1)+(3.6X1)+ (3.7X1)	(5.2X1)+(3.6X1)+ (3.7X1)+(3.6X1)+ (3.7X1)	(2.9X1)+(3.3X1)+ (2.9X1)+(3.3X1)+ (4.4X1)+(4.0X1)
Airflow rate	m <sup>3</sup> /min	157+165	157+178	157+233	165+233	178+233	233+233	233+233	233+233	165+178+178	178+178+178	157+178+233	178+178+233	178+233+233	178+233+233	233+233+233
Dimensions (HxWxD)	mm	(1,657x930x765)+ (1,657x930x765)	(1,657x930x765)+ (1,657x930x765)	(1,657x930x765)+ (1,657x1,240x765)	(1,657x930x765)+ (1,657x1,240x765)	(1,657x930x765)+ (1,657x1,240x765)	(1,657x1,240x765)+ (1,657x1,240x765)	(1,657x1,240x765)+ (1,657x1,240x765)	(1,657x1,240x765)+ (1,657x1,240x765)	(1,657x930x765)+ (1,657x930x765)	(1,657x930x765)+ (1,657x930x765)	(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)
Machine weight	kg	185+195	185+195	185+285	195+285	195+285	285+285	285+285	285+285	195+195+195	195+195+195	185+195+285	195+195+285	195+285+285	195+285+285	285+285+285
Sound level	dB(A)	60	61	61	62	63	63	64	64	63	64	64	65	65	65	66
Operation range	°CDB	-5 to 43							-5 to 43							
Refrigerant	Type	R-410A							R-410A							
	Charge kg	5.9+6.0	5.9+6.3	5.9+10.3	6.0+10.3	6.3+10.3	10.3+10.3	10.3+10.4	10.3+10.5	6.0+6.3+6.3	6.3+6.3+6.3	5.9+6.3+10.5	6.3+6.3+10.4	6.3+10.3+10.4	6.3+10.4+10.4	10.3+10.3+10.5
Piping connections	Liquid mm	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)	φ19.1 (Brazing)	φ19.1 (Brazing)	φ19.1 (Brazing)	φ19.1 (Brazing)	φ19.1 (Brazing)	φ19.1 (Brazing)
	Gas mm	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)	φ41.3 (Brazing)	φ41.3 (Brazing)	φ41.3 (Brazing)	φ41.3 (Brazing)	φ41.3 (Brazing)	φ41.3 (Brazing)

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

2. Specifications are based on the following conditions;

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


•Sound level: Anechoic chamber conversion value, measured at a point 1 m in front of the unit at a height of 1.5 m.

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

## Outdoor Units

## Cooling Only

### Standard Type



MODEL	RXQ48TNY1(E)	RXQ50TNY1(E)	RXQ52TNY1(E)	RXQ54TNY1(E)	RXQ56TNY1(E)	RXQ58TNY1(E)	RXQ60TNY1(E)			
Combination units	RXQ14TY1(E)	RXQ14TY1(E)	RXQ16TY1(E)	RXQ18TY1(E)	RXQ18TY1(E)	RXQ18TY1(E)	RXQ20TY1(E)			
	RXQ16TY1(E)	RXQ18TY1(E)	RXQ18TY1(E)	RXQ18TY1(E)	RXQ18TY1(E)	RXQ20TY1(E)	RXQ20TY1(E)			
	RXQ18TY1(E)	RXQ18TY1(E)	RXQ18TY1(E)	RXQ18TY1(E)	RXQ20TY1(E)	RXQ20TY1(E)	RXQ20TY1(E)			
	RXQ18TY1(E)	RXQ18TY1(E)	RXQ18TY1(E)	RXQ18TY1(E)	RXQ20TY1(E)	RXQ20TY1(E)	RXQ20TY1(E)			
Power supply	3-phase 4-wire system, 380–415 V, 50 Hz									
Cooling capacity	kcal/h	116,000	120,000	125,000	129,000	134,000	139,000	144,000		
	Btu/h	461,000	478,000	495,000	512,000	532,000	553,000	573,000		
	kW	135	140	145	150	156	162	168		
Power consumption	kW	39.3	41.7	43.8	46.2	48.8	51.4	54.0		
Capacity control	%	3-100	3-100	3-100	3-100	3-100	3-100	3-100		
Casing colour	Ivory white (5Y7.5/1)									
Compressor	Type	Hermetically Sealed Scroll Type								
	Motor output	kW	(2.9X1)+(3.3X1)+(3.6X1)+(3.7X1)+(4.4X1)+(4.0X1)	(2.9X1)+(3.3X1)+(4.4X1)+(4.0X1)	(3.6X1)+(3.7X1)+(4.4X1)+(4.0X1)	(4.4X1)+(4.0X1)+(4.4X1)+(4.0X1)	(4.4X1)+(4.0X1)+(4.4X1)+(4.0X1)	(4.4X1)+(4.0X1)+(4.6X1)+(5.5X1)	(4.6X1)+(5.5X1)+(4.6X1)+(5.5X1)	
Airflow rate	m <sup>3</sup> /min	233+233+233	233+233+233	233+233+233	233+233+233	233+233+268	233+268+268	268+268+268		
Dimensions (HxWxD)	mm	(1,657X1,240X765)+(1,657X1,240X765)+(1,657X1,240X765)	(1,657X1,240X765)+(1,657X1,240X765)+(1,657X1,240X765)	(1,657X1,240X765)+(1,657X1,240X765)+(1,657X1,240X765)	(1,657X1,240X765)+(1,657X1,240X765)+(1,657X1,240X765)	(1,657X1,240X765)+(1,657X1,240X765)+(1,657X1,240X765)	(1,657X1,240X765)+(1,657X1,240X765)+(1,657X1,240X765)	(1,657X1,240X765)+(1,657X1,240X765)+(1,657X1,240X765)		
		Machine weight	kg	285+285+285	285+285+285	285+285+285	285+285+285	285+285+320	285+320+320	320+320+320
		Sound level	dB(A)	66	66	66	67	68	69	70
Operation range	°CDB	-5 to 43								
Refrigerant	Type	R-410A								
	Charge	kg	10.3+10.4+10.5	10.3+10.5+10.5	10.4+10.5+10.5	10.5+10.5+10.5	10.5+10.5+11.8	10.5+11.8+11.8	11.8+11.8+11.8	
Piping connections	Liquid	mm	φ 19.1 (Brazing)	φ 19.1 (Brazing)	φ 19.1 (Brazing)	φ 19.1 (Brazing)	φ 19.1 (Brazing)	φ 19.1 (Brazing)	φ 19.1 (Brazing)	
	Gas	mm	φ 41.3 (Brazing)	φ 41.3 (Brazing)	φ 41.3 (Brazing)	φ 41.3 (Brazing)	φ 41.3 (Brazing)	φ 41.3 (Brazing)	φ 41.3 (Brazing)	

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



2. Specifications are based on the following conditions;

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

•Sound level: Anechoic chamber conversion value, measured at a point 1 m in front of the unit at a height of 1.5 m.

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

### Space Saving Type

MODEL	RXQ18TY1(E)	RXQ20TY1(E)	RXQ22TSY1(E)	RXQ24TSY1(E)			
Combination units	—	—	RXQ10TY1(E)	RXQ12TY1(E)			
	—	—	RXQ12TY1(E)	RXQ12TY1(E)			
	—	—	—	—			
	—	—	—	—			
Power supply	3-phase 4-wire system, 380–415 V, 50 Hz						
Cooling capacity	kcal/h	43,000	48,200	52,900	57,600		
	Btu/h	171,000	191,000	210,000	229,000		
	kW	50.0	56.0	61.5	67.0		
Power consumption	kW	15.4	18.0	16.3	18.0		
Capacity control	%	10-100	8-100	8-100	8-100		
Casing colour	Ivory white (5Y7.5/1)						
Compressor	Type	Hermetically Sealed Scroll Type					
	Motor output	kW	(4.4X1)+(4.0X1)	(4.6X1)+(5.5X1)	(4.1X1)+(5.2X1)	(5.2X1)+(5.2X1)	
Airflow rate	m <sup>3</sup> /min	233	268	165+178	178+178		
Dimensions (HxWxD)	mm	1,657X1,240X765	1,657X1,240X765	(1,657X930X765)+(1,657X930X765)	(1,657X930X765)+(1,657X930X765)		
		Machine weight	kg	285	320	195+195	195+195
		Sound level	dB(A)	62	65	61	62
Operation range	°CDB	-5 to 43					
Refrigerant	Type	R-410A					
	Charge	kg	10.5	11.8	6.0+6.3	6.3+6.3	
Piping connections	Liquid	mm	φ 15.9 (Brazing)	φ 15.9 (Brazing)	φ 15.9 (Brazing)	φ 15.9 (Brazing)	
	Gas	mm	φ 28.6 (Brazing)	φ 28.6 (Brazing)	φ 28.6 (Brazing)	φ 34.9 (Brazing)	

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

2. Specifications are based on the following conditions;

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

•Sound level: Anechoic chamber conversion value, measured at a point 1 m in front of the unit at a height of 1.5 m.

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

## Outdoor Units

Cooling Only

### Space Saving Type

<b>MODEL</b>		RXQ26TSY1(E)	RXQ28TSY1(E)	RXQ30TSY1(E)	RXQ32TSY1(E)	RXQ34TSY1(E)	RXQ36TSY1(E)	RXQ38TSY1(E)	RXQ40TSY1(E)	RXQ42TSY1(E)	RXQ44TSY1(E)	RXQ46TSY1(E)	RXQ48TSY1(E)	RXQ50TSY1(E)	
<b>Combination units</b>		RXQ8TY1(E)	RXQ12TY1(E)	RXQ12TY1(E)	RXQ12TY1(E)	RXQ16TY1(E)	RXQ18TY1(E)	RXQ18TY1(E)	RXQ20TY1(E)	RXQ12TY1(E)	RXQ12TY1(E)	RXQ12TY1(E)	RXQ12TY1(E)	RXQ12TY1(E)	
		RXQ18TY1(E)	RXQ16TY1(E)	RXQ18TY1(E)	RXQ20TY1(E)	RXQ18TY1(E)	RXQ18TY1(E)	—	—	RXQ18TY1(E)	RXQ20TY1(E)	RXQ18TY1(E)	RXQ18TY1(E)	RXQ20TY1(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	62,300	67,500	71,800	77,000	81,700	86,000	91,200	96,300	101,000	106,000	111,000	115,000	120,000
		Btu/h	247,000	268,000	285,000	305,000	324,000	341,000	362,000	382,000	399,000	420,000	440,000	457,000	478,000
		kW	72.4	78.5	83.5	89.5	95.0	100	106	112	117	123	129	134	140
Power consumption		kW	20.6	22.0	24.4	27.0	28.4	30.8	33.4	36.0	33.4	36.0	37.4	39.8	42.4
Capacity control		%	7-100	6-100	6-100	5-100	5-100	5-100	4-100	4-100	4-100	4-100	4-100	4-100	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)+(4.4X1)+(4.0X1)	(5.2X1)+(3.6X1)+(3.7X1)	(5.2X1)+(4.4X1)+(4.0X1)	(5.2X1)+(4.6X1)+(5.5X1)	(3.6X1)+(3.7X1)+(4.4X1)+(4.0X1)	(4.4X1)+(4.0X1)+(4.4X1)+(4.0X1)	(4.4X1)+(4.0X1)+(4.6X1)+(5.5X1)	(4.6X1)+(5.5X1)+(4.6X1)+(5.5X1)	(5.2X1)+(5.2X1)+(4.4X1)+(4.0X1)	(5.2X1)+(5.2X1)+(4.6X1)+(5.5X1)	(5.2X1)+(3.6X1)+(3.7X1)+(4.4X1)+(4.0X1)	(5.2X1)+(4.4X1)+(4.0X1)+(4.4X1)+(4.0X1)
Airflow rate		m <sup>3</sup> /min	157+233	178+233	178+233	178+268	233+233	233+233	233+268	268+268	178+178+233	178+178+268	178+233+233	178+233+233	178+233+268
Dimensions (HxWxD)		mm	(1,657x930x765)+(1,657x1,240x765)	(1,657x930x765)+(1,657x1,240x765)	(1,657x930x765)+(1,657x1,240x765)	(1,657x930x765)+(1,657x1,240x765)	(1,657x1,240x765)+(1,657x1,240x765)	(1,657x1,240x765)+(1,657x1,240x765)	(1,657x1,240x765)+(1,657x1,240x765)	(1,657x1,240x765)+(1,657x1,240x765)	(1,657x930x765)+(1,657x930x765)+(1,657x1,240x765)	(1,657x930x765)+(1,657x930x765)+(1,657x1,240x765)	(1,657x930x765)+(1,657x1,240x765)+(1,657x1,240x765)	(1,657x930x765)+(1,657x1,240x765)+(1,657x1,240x765)	(1,657x930x765)+(1,657x1,240x765)+(1,657x1,240x765)
Machine weight		kg	185+285	195+285	195+285	195+320	285+285	285+285	285+320	320+320	195+195+285	195+195+320	195+285+285	195+285+285	195+285+320
Sound level		dB(A)	63	63	64	66	65	65	67	68	65	67	66	66	67
Operation range		°CDB	-5 to 43						-5 to 43						
Refrigerant		Type	R-410A						R-410A						
		Charge	kg	5.9+10.5	6.3+10.4	6.3+10.5	6.3+11.8	10.4+10.5	10.5+10.5	10.5+11.8	11.8+11.8	6.3+6.3+10.5	6.3+6.3+11.8	6.3+10.4+10.5	6.3+10.5+10.5
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)
		Gas	mm	φ34.9 (Brazing)	φ34.9 (Brazing)	φ34.9 (Brazing)	φ34.9 (Brazing)	φ34.9 (Brazing)	φ41.3 (Brazing)	φ41.3 (Brazing)	φ41.3 (Brazing)	φ41.3 (Brazing)	φ41.3 (Brazing)	φ41.3 (Brazing)	φ41.3 (Brazing)

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

2. Specifications are based on the following conditions:

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

•Sound level: Anechoic chamber conversion value, measured at a point 1 m in front of the unit at a height of 1.5 m.

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

## Outdoor Units

## Heat Pump

### High-COP Type

MODEL			RXYQ12THY1(E)	RXYQ14THY1(E)	RXYQ16THY1(E)	RXYQ18THY1(E)	RXYQ20THY1(E)	RXYQ22THY1(E)	RXYQ24THY1(E)	RXYQ26THY1(E)	RXYQ28THY1(E)	RXYQ30THY1(E)	RXYQ32THY1(E)	RXYQ34THY1(E)	RXYQ36THY1(E)	RXYQ38THY1(E)	RXYQ40THY1(E)	
Combination units			RXYQ6TY1(E)	RXYQ6TY1(E)	RXYQ8TY1(E)	RXYQ6TY1(E)	RXYQ6TY1(E)	RXYQ6TY1(E)	RXYQ8TY1(E)	RXYQ8TY1(E)	RXYQ8TY1(E)	RXYQ8TY1(E)	RXYQ8TY1(E)	RXYQ8TY1(E)	RXYQ8TY1(E)	RXYQ12TY1(E)	RXYQ12TY1(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	27,500	33,000	38,500	41,300	46,800	52,300	57,800		62,600	67,300	72,200	76,900	82,500	87,700	92,000	98,000	
	Btu/h	109,000	131,000	153,000	164,000	186,000	207,000	229,000		248,000	267,000	286,000	305,000	327,000	348,000	365,000	389,000	
	kW	32.0	38.4	44.8	48.0	54.4	60.8	67.2		72.8	78.3	83.9	89.4	95.9	102	107	114	
Heating capacity	kcal/h	31,000	37,000	43,000	46,400	52,500	58,500	64,500		70,100	75,300	80,800	86,000	92,900	98,900	103,000	110,000	
	Btu/h	123,000	147,000	171,000	184,000	208,000	232,000	256,000		278,000	299,000	321,000	341,000	368,000	392,000	409,000	437,000	
	kW	36.0	43.0	50.0	54.0	61.0	68.0	75.0		81.5	87.5	94.0	100	108	115	120	128	
Power consumption	Cooling	kW	7.26	8.84	10.4	10.9	12.5	14.1	15.6	17.7	19.4	21.5	23.2	25.1	27.0	28.9	30.8	
	Heating	kW	7.98	9.68	11.4	12.0	13.7	15.4	17.1	18.7	20.4	22.0	23.8	25.9	27.9	29.2	31.3	
Capacity control		%	10-100	10-100	10-100	7-100	7-100	7-100	7-100	6-100	6-100	5-100	5-100	5-100	4-100	4-100	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	(2.4X1)+ (2.4X1)	(2.4X1)+ (3.4X1)	(3.4X1)+ (3.4X1)	(2.4X1)+ (2.4X1)	(2.4X1)+ (3.4X1)	(2.4X1)+ (3.4X1)	(3.4X1)+ (3.4X1)		(3.4X1)+ (3.4X1) (4.1X1)	(3.4X1)+ (3.4X1) (5.2X1)	(3.4X1)+ (4.1X1)+ (5.2X1)	(3.4X1)+ (5.2X1)+ (5.2X1)	(3.4X1)+(2.9X1)+ (3.3X1)+(2.9X1)+ (3.3X1)	(5.2X1)+(5.2X1)+ (2.9X1)+(3.3X1)	(5.2X1)+(2.9X1)+ (3.3X1)+(2.9X1)+ (3.3X1)	
Airflow rate		m <sup>3</sup> /min	119+119	119+157	157+157	119+119+119	119+119+157	119+157+157	157+157+157	157+157+165	157+157+178	157+165+178	157+178+178	157+178+233	157+233+233	178+178+233	178+233+233	
Dimensions (HxWxD)		mm	(1,657x930x765)+ (1,657x930x765)	(1,657x930x765)+ (1,657x930x765)	(1,657x930x765)+ (1,657x930x765)	(1,657x930x765)+ (1,657x930x765)	(1,657x930x765)+ (1,657x930x765)	(1,657x930x765)+ (1,657x930x765)	(1,657x930x765)+ (1,657x930x765)	(1,657x930x765)+ (1,657x930x765)	(1,657x930x765)+ (1,657x930x765)	(1,657x930x765)+ (1,657x930x765)	(1,657x930x765)+ (1,657x930x765)	(1,657x930x765)+ (1,657x1,240x765)	(1,657x930x765)+ (1,657x1,240x765)	(1,657x930x765)+ (1,657x1,240x765)	(1,657x930x765)+ (1,657x1,240x765)	
Machine weight		kg	185+185	185+185	185+185	185+185+185	185+185+185	185+185+185	185+185+185	185+185+195	185+185+195	185+195+195	185+195+195	185+195+285	185+285+285	195+195+285	195+285+285	
Sound level		dB(A)	58	59	59	60	60	60	61	61	62	62	63	63	64	64	64	
Operation range	Cooling	°CDB	-5 to 43								-5 to 43							
	Heating	°CWB	-20 to 15.5								-20 to 15.5							
Refrigerant	Type	R-410A								R-410A								
	Charge	kg	5.9+5.9	5.9+5.9	5.9+5.9	5.9+5.9+5.9	5.9+5.9+5.9	5.9+5.9+5.9	5.9+5.9+5.9	5.9+5.9+6.0	5.9+5.9+6.3	5.9+6.0+6.3	5.9+6.3+6.3	5.9+6.3+10.3	5.9+10.3+10.3	6.3+6.3+10.3	6.3+10.3+10.3	
Piping connections	Liquid	mm	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)	φ19.1 (Brazing)	φ19.1 (Brazing)	φ19.1 (Brazing)	
	Gas	mm	φ28.6 (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)	φ41.3 (Brazing)	φ41.3 (Brazing)	φ41.3 (Brazing)	

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


2. Specifications are based on the following conditions:

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

### High-COP Type





MODEL	RXYQ42THY1(E)	RXYQ44THY1(E)	RXYQ46THY1(E)	RXYQ48THY1(E)	RXYQ50THY1(E)		
Combination units	RXYQ14TY1(E)	RXYQ14TY1(E)	RXYQ14TY1(E)	RXYQ16TY1(E)	RXYQ16TY1(E)		
	RXYQ14TY1(E)	RXYQ14TY1(E)	RXYQ16TY1(E)	RXYQ16TY1(E)	RXYQ16TY1(E)		
	RXYQ14TY1(E)	RXYQ16TY1(E)	RXYQ16TY1(E)	RXYQ16TY1(E)	RXYQ18TY1(E)		
Power supply	3-phase 4-wire system, 380–415 V, 50 Hz						
Cooling capacity	kcal/h	103,000	108,000	112,000	116,000	120,000	
	Btu/h	409,000	427,000	444,000	461,000	478,000	
	kW	120	125	130	135	140	
Heating capacity	kcal/h	116,000	120,000	125,000	129,000	134,000	
	Btu/h	461,000	478,000	495,000	512,000	532,000	
	kW	135	140	145	150	156	
Power consumption	Cooling	kW	32.7	34.8	36.9	39.0	41.4
	Heating	kW	33.3	35.0	36.7	38.4	40.7
Capacity control	%	4-100	3-100	3-100	3-100	3-100	
Casing colour	Ivory white (5Y7.5/1)						
Compressor	Type	Hermetically Sealed Scroll Type					
	Motor output	kW	(2.9X1)+(3.3X1)+ (2.9X1)+(3.3X1)+ (2.9X1)+(3.3X1)	(2.9X1)+(3.3X1)+ (2.9X1)+(3.3X1)+ (3.6X1)+(3.7X1)	(2.9X1)+(3.3X1)+ (3.6X1)+(3.7X1)+ (3.6X1)+(3.7X1)	(3.6X1)+(3.7X1)+ (3.6X1)+(3.7X1)+ (3.6X1)+(3.7X1)	(3.6X1)+(3.7X1)+ (3.6X1)+(3.7X1)+ (4.4X1)+(4.0X1)
Airflow rate	m <sup>3</sup> /min	233+233+233	233+233+233	233+233+233	233+233+233	233+233+233	
Dimensions (HxWxD)	mm	(1,657X1,240X765)+ (1,657X1,240X765)+ (1,657X1,240X765)	(1,657X1,240X765)+ (1,657X1,240X765)+ (1,657X1,240X765)	(1,657X1,240X765)+ (1,657X1,240X765)+ (1,657X1,240X765)	(1,657X1,240X765)+ (1,657X1,240X765)+ (1,657X1,240X765)	(1,657X1,240X765)+ (1,657X1,240X765)+ (1,657X1,240X765)	
Machine weight	kg	285+285+285	285+285+285	285+285+285	285+285+285	285+285+300	
Sound level	dB(A)	65	65	65	66	66	
Operation range	Cooling	°CDB -5 to 43					
	Heating	°CWB -20 to 15.5					
Refrigerant	Type	R-410A					
	Charge	kg	10.3+10.3+10.3	10.3+10.3+10.4	10.3+10.4+10.4	10.4+10.4+10.4	10.4+10.4+11.7
Piping connections	Liquid	mm	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)

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.

### Standard Type

MODEL	RXYQ6TY1(E)	RXYQ8TY1(E)	RXYQ10TY1(E)	RXYQ12TY1(E)	RXYQ14TY1(E)	RXYQ16TY1(E)		
Combination units	—	—	—	—	—	—		
Power supply	3-phase 4-wire system, 380–415 V, 50 Hz							
Cooling capacity	kcal/h	13,800	19,300	24,100	28,800	34,400	38,700	
	Btu/h	54,600	76,400	95,500	114,000	136,000	154,000	
	kW	16.0	22.4	28.0	33.5	40.0	45.0	
Heating capacity	kcal/h	15,500	21,500	27,100	32,300	38,700	43,000	
	Btu/h	61,400	85,300	107,000	128,000	154,000	171,000	
	kW	18.0	25.0	31.5	37.5	45.0	50.0	
Power consumption	Cooling	kW	3.63	5.21	7.29	9.01	10.9	13.0
	Heating	kW	3.99	5.69	7.29	9.06	11.1	12.8
Capacity control	%	20-100	20-100	16-100	15-100	11-100	10-100	
Casing colour	Ivory white (5Y7.5/1)							
Compressor	Type	Hermetically Sealed Scroll Type						
	Motor output	kW	2.4X1	3.4X1	4.1X1	5.2X1	(2.9X1)+(3.3X1)	(3.6X1)+(3.7X1)
Airflow rate	m <sup>3</sup> /min	119	157	165	178	233	233	
Dimensions (HxWxD)	mm	1,657X930X765	1,657X930X765	1,657X930X765	1,657X930X765	1,657X1,240X765	1,657X1,240X765	
Machine weight	kg	185	185	195	195	285	285	
Sound level	dB(A)	55	56	57	59	60	61	
Operation range	Cooling	°CDB -5 to 43						
	Heating	°CWB -20 to 15.5						
Refrigerant	Type	R-410A						
	Charge	kg	5.9	5.9	6.0	6.3	10.3	10.4
Piping connections	Liquid	mm	φ9.5 (Brazing)			φ12.7 (Brazing)		
	Gas	mm	φ19.1 (Brazing)		φ22.2 (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 Pump

### Standard Type

MODEL			RXYQ18TNY1(E)	RXYQ20TNY1(E)	RXYQ22TNY1(E)	RXYQ24TNY1(E)	RXYQ26TNY1(E)	RXYQ28TNY1(E)	RXYQ30TNY1(E)									RXYQ32TNY1(E)	RXYQ34TNY1(E)	RXYQ36TNY1(E)	RXYQ38TNY1(E)	RXYQ40TNY1(E)	RXYQ42TNY1(E)	RXYQ44TNY1(E)	RXYQ46TNY1(E)	
Combination units			RXYQ8TY1(E)	RXYQ8TY1(E)	RXYQ8TY1(E)	RXYQ10TY1(E)	RXYQ12TY1(E)	RXYQ14TY1(E)	RXYQ14TY1(E)									RXYQ14TY1(E)	RXYQ10TY1(E)	RXYQ12TY1(E)	RXYQ8TY1(E)	RXYQ12TY1(E)	RXYQ12TY1(E)	RXYQ12TY1(E)	RXYQ14TY1(E)	RXYQ14TY1(E)
			RXYQ10TY1(E)	RXYQ12TY1(E)	RXYQ14TY1(E)	RXYQ14TY1(E)	RXYQ14TY1(E)	RXYQ14TY1(E)	RXYQ16TY1(E)									RXYQ18TY1(E)	RXYQ12TY1(E)	RXYQ12TY1(E)	RXYQ12TY1(E)	RXYQ12TY1(E)	RXYQ14TY1(E)	RXYQ16TY1(E)	RXYQ14TY1(E)	RXYQ18TY1(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	43,300	48,100	53,700	58,500	63,200	68,800	73,100								77,400	81,700	86,900	91,200	96,300	102,000	107,000	112,000		
		Btu/h	172,000	191,000	213,000	232,000	251,000	273,000	290,000								307,000	324,000	345,000	362,000	382,000	406,000	423,000	444,000		
		kW	50.4	55.9	62.4	68.0	73.5	80.0	85.0								90.0	95.0	101	106	112	119	124	130		
Heating capacity		kcal/h	48,600	53,800	60,200	65,800	71,000	77,400	81,700								86,900	92,000	97,200	102,000	108,000	114,000	119,000	126,000		
		Btu/h	193,000	213,000	239,000	261,000	281,000	307,000	324,000							345,000	365,000	386,000	406,000	427,000	454,000	471,000	498,000			
		kW	56.5	62.5	70.0	76.5	82.5	90.0	95.0							101	107	113	119	125	133	138	146			
Power consumption	Cooling	kW	12.5	14.2	16.1	18.2	19.9	21.8	23.9								26.3	25.3	27.0	29.6	31.0	32.9	35.0	37.2		
	Heating	kW	13.0	14.8	16.8	18.4	20.2	22.2	23.9								26.2	25.4	27.2	29.9	30.9	33.0	34.7	37.3		
Capacity control		%	8-100	8-100	7-100	6-100	6-100	5-100	5-100								5-100	5-100	5-100	4-100	4-100	4-100	4-100	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)+(4.1X1)	(3.4X1)+(5.2X1)	(3.4X1)+(2.9X1)+(3.3X1)	(4.1X1)+(2.9X1)+(3.3X1)	(5.2X1)+(2.9X1)+(3.3X1)	(2.9X1)+(3.3X1)+(2.9X1)+(3.3X1)	(2.9X1)+(3.3X1)+(3.6X1)+(3.7X1)								(2.9X1)+(3.3X1)+(4.4X1)+(4.0X1)	(4.1X1)+(5.2X1)+(5.2X1)	(5.2X1)+(5.2X1)+(5.2X1)	(3.4X1)+(5.2X1)+(4.4X1)+(4.0X1)	(5.2X1)+(5.2X1)+(3.6X1)+(3.7X1)	(5.2X1)+(2.9X1)+(3.3X1)+(3.6X1)+(3.7X1)	(5.2X1)+(3.6X1)+(3.7X1)	(2.9X1)+(3.3X1)+(2.9X1)+(3.3X1)+(4.4X1)+(4.0X1)		
Airflow rate		m <sup>3</sup> /min	157+165	157+178	157+233	165+233	178+233	233+233	233+233								233+233	165+178+178	178+178+178	157+178+233	178+178+233	178+233+233	178+233+233	233+233+233		
Dimensions (HxWxD)		mm	(1,657x930x765)+(1,657x930x765)	(1,657x930x765)+(1,657x930x765)	(1,657x930x765)+(1,657x1,240x765)	(1,657x930x765)+(1,657x1,240x765)	(1,657x930x765)+(1,657x1,240x765)	(1,657x1,240x765)+(1,657x1,240x765)	(1,657x1,240x765)+(1,657x1,240x765)								(1,657x1,240x765)+(1,657x1,240x765)	(1,657x930x765)+(1,657x930x765)	(1,657x930x765)+(1,657x930x765)	(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)		
Machine weight		kg	185+195	185+195	185+285	195+285	195+285	285+285	285+285								285+300	195+195+195	195+195+195	185+195+300	195+195+285	195+285+285	195+285+285	285+285+300		
Sound level		dB(A)	60	61	61	62	63	63	64								64	63	64	64	65	65	65	66		
Operation range	Cooling	°CDB	-5 to 43							-5 to 43																
	Heating	°CWB	-20 to 15.5							-20 to 15.5																
Refrigerant		Type	R-410A							R-410A																
		Charge	kg	5.9+6.0	5.9+6.3	5.9+10.3	6.0+10.3	6.3+10.3	10.3+10.3	10.3+10.4								10.3+11.7	6.0+6.3+6.3	6.3+6.3+6.3	5.9+6.3+11.7	6.3+6.3+10.4	6.3+10.3+10.4	6.3+10.4+10.4	10.3+10.3+11.7	
Piping connections	Liquid	mm	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)	φ19.1 (Brazing)	φ19.1 (Brazing)	φ19.1 (Brazing)	φ19.1 (Brazing)	φ19.1 (Brazing)	φ19.1 (Brazing)		
	Gas	mm	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)	φ41.3 (Brazing)	φ41.3 (Brazing)	φ41.3 (Brazing)	φ41.3 (Brazing)	φ41.3 (Brazing)	φ41.3 (Brazing)		

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

2. Specifications are based on the following conditions:


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

### Standard Type





MODEL		RXYQ48TNY1(E)	RXYQ50TNY1(E)	RXYQ52TNY1(E)	RXYQ54TNY1(E)	RXYQ56TNY1(E)	RXYQ58TNY1(E)	RXYQ60TNY1(E)	
Combination units		RXYQ14TY1(E)	RXYQ14TY1(E)	RXYQ16TY1(E)	RXYQ18TY1(E)	RXYQ18TY1(E)	RXYQ18TY1(E)	RXYQ20TY1(E)	
Power supply		3-phase 4-wire system, 380–415 V, 50 Hz							
Cooling capacity	kcal/h	116,000	120,000	125,000	129,000	134,000	139,000	144,000	
	Btu/h	461,000	478,000	495,000	512,000	532,000	553,000	573,000	
	kW	135	140	145	150	156	162	168	
Heating capacity	kcal/h	130,000	135,000	139,000	144,000	151,000	157,000	163,000	
	Btu/h	515,000	536,000	553,000	573,000	597,000	621,000	645,000	
	kW	151	157	162	168	175	182	189	
Power consumption	Cooling	kW	39.3	41.7	43.8	46.2	48.8	51.4	54.0
	Heating	kW	39.0	41.3	43.0	45.3	47.7	50.1	52.5
Capacity control	%	3-100	3-100	3-100	3-100	3-100	3-100	3-100	
Casing colour		Ivory white (5Y7.5/1)							
Compressor	Type	Hermetically Sealed Scroll Type							
	Motor output	kW	(2.9X1)+(3.3X1)+ (3.6X1)+(3.7X1)+ (4.4X1)+(4.0X1)	(2.9X1)+(3.3X1)+ (4.4X1)+(4.0X1)+ (4.4X1)+(4.0X1)	(3.6X1)+(3.7X1)+ (4.4X1)+(4.0X1)+ (4.4X1)+(4.0X1)	(4.4X1)+(4.0X1)+ (4.4X1)+(4.0X1)+ (4.4X1)+(4.0X1)	(4.4X1)+(4.0X1)+ (4.4X1)+(4.0X1)+ (4.6X1)+(5.5X1)	(4.4X1)+(4.0X1)+ (4.4X1)+(4.0X1)+ (4.6X1)+(5.5X1)	(4.6X1)+(5.5X1)+ (4.6X1)+(5.5X1)+ (4.6X1)+(5.5X1)
Airflow rate	m <sup>3</sup> /min	233+233+233	233+233+233	233+233+233	233+233+233	233+233+268	233+268+268	268+268+268	
Dimensions (HxWxD)	mm	(1,657X1,240X765)+ (1,657X1,240X765)+ (1,657X1,240X765)	(1,657X1,240X765)+ (1,657X1,240X765)+ (1,657X1,240X765)	(1,657X1,240X765)+ (1,657X1,240X765)+ (1,657X1,240X765)	(1,657X1,240X765)+ (1,657X1,240X765)+ (1,657X1,240X765)	(1,657X1,240X765)+ (1,657X1,240X765)+ (1,657X1,240X765)	(1,657X1,240X765)+ (1,657X1,240X765)+ (1,657X1,240X765)	(1,657X1,240X765)+ (1,657X1,240X765)+ (1,657X1,240X765)	
Machine weight	kg	285+285+300	285+300+300	285+300+300	300+300+300	300+300+320	300+320+320	320+320+320	
Sound level	dB(A)	66	66	66	67	68	69	70	
Operation range	Cooling	°CDB	-5 to 43						
	Heating	°CWB	-20 to 15.5						
Refrigerant	Type	R-410A							
	Charge	kg	10.3+10.4+11.7	10.3+11.7+11.7	10.4+11.7+11.7	11.7+11.7+11.7	11.7+11.7+11.8	11.7+11.8+11.8	11.8+11.8+11.8
Piping connections	Liquid	mm	φ 19.1 (Brazing)	φ 19.1 (Brazing)	φ 19.1 (Brazing)	φ 19.1 (Brazing)	φ 19.1 (Brazing)	φ 19.1 (Brazing)	
	Gas	mm	φ 41.3 (Brazing)	φ 41.3 (Brazing)	φ 41.3 (Brazing)	φ 41.3 (Brazing)	φ 41.3 (Brazing)	φ 41.3 (Brazing)	

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

2. Specifications are based on the following conditions;

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

### Space Saving Type

MODEL		RXYQ18TY1(E)	RXYQ20TY1(E)	RXYQ22TSY1(E)	RXYQ24TSY1(E)	
Combination units		—	—	RXYQ10TY1(E)	RXYQ12TY1(E)	
Power supply		3-phase 4-wire system, 380–415 V, 50 Hz				
Cooling capacity	kcal/h	43,000	48,200	52,900	57,600	
	Btu/h	171,000	191,000	210,000	229,000	
	kW	50.0	56.0	61.5	67.0	
Heating capacity	kcal/h	48,200	54,200	59,300	64,500	
	Btu/h	191,000	215,000	235,000	256,000	
	kW	56.0	63.0	69.0	75.0	
Power consumption	Cooling	kW	15.4	18.0	16.3	18.0
	Heating	kW	15.1	17.5	16.4	18.1
Capacity control	%	10-100	8-100	8-100	8-100	
Casing colour		Ivory white (5Y7.5/1)				
Compressor	Type	Hermetically Sealed Scroll Type				
	Motor output	kW	(4.4X1)+(4.0X1)	(4.6X1)+(5.5X1)	(4.1X1)+(5.2X1)	(5.2X1)+(5.2X1)
Airflow rate	m <sup>3</sup> /min	233	268	165+178	178+178	
Dimensions (HxWxD)	mm	1,657X1,240X765	1,657X1,240X765	(1,657X930X765)+ (1,657X930X765)	(1,657X930X765)+ (1,657X930X765)	
Machine weight	kg	300	320	195+195	195+195	
Sound level	dB(A)	62	65	61	62	
Operation range	Cooling	°CDB	-5 to 43			
	Heating	°CWB	-20 to 15.5			
Refrigerant	Type	R-410A				
	Charge	kg	11.7	11.8	6.0+6.3	6.3+6.3
Piping connections	Liquid	mm	φ 15.9 (Brazing)	φ 15.9 (Brazing)	φ 15.9 (Brazing)	φ 15.9 (Brazing)
	Gas	mm	φ 28.6 (Brazing)	φ 28.6 (Brazing)	φ 28.6 (Brazing)	φ 34.9 (Brazing)

Note: 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 Pump

### Space Saving Type

<b>MODEL</b>			RXYQ26TSY1(E)	RXYQ28TSY1(E)	RXYQ30TSY1(E)	RXYQ32TSY1(E)	RXYQ34TSY1(E)	RXYQ36TSY1(E)								
<b>Combination units</b>			RXYQ8TY1(E)	RXYQ12TY1(E)	RXYQ12TY1(E)	RXYQ12TY1(E)	RXYQ16TY1(E)	RXYQ18TY1(E)								
			RXYQ18TY1(E)	RXYQ16TY1(E)	RXYQ18TY1(E)	RXYQ20TY1(E)	RXYQ18TY1(E)	RXYQ18TY1(E)								
<b>Power supply</b>			3-phase 4-wire system, 380-415 V, 50 Hz						3-phase 4-wire system, 380-415 V, 50 Hz							
<b>Cooling capacity</b>		kcal/h	62,300	67,500	71,800	77,000	81,700	86,000								
		Btu/h	247,000	268,000	285,000	305,000	324,000	341,000								
		kW	72.4	78.5	83.5	89.5	95.0	100								
<b>Heating capacity</b>		kcal/h	69,700	75,300	80,400	86,900	91,200	96,300								
		Btu/h	276,000	299,000	319,000	345,000	362,000	382,000								
		kW	81.0	87.5	93.5	101	106	112								
<b>Power consumption</b>	Cooling	kW	20.6	22.0	24.4	27.0	28.4	30.8								
	Heating	kW	20.8	21.9	24.2	26.6	27.9	30.2								
<b>Capacity control</b>		%	7-100	6-100	6-100	5-100	5-100	5-100								
<b>Casing colour</b>			Ivory white (5Y7.5/1)						Ivory white (5Y7.5/1)							
<b>Compressor</b>		Type	Hermetically Sealed Scroll Type						Hermetically Sealed Scroll Type							
		Motor output kW	(3.4X1)+(4.4X1)+(4.0X1)	(5.2X1)+(3.6X1)+(3.7X1)	(5.2X1)+(4.4X1)+(4.0X1)	(5.2X1)+(4.6X1)+(5.5X1)	(3.6X1)+(3.7X1)+(4.4X1)+(4.0X1)	(4.4X1)+(4.0X1)+(4.4X1)+(4.0X1)								
<b>Airflow rate</b>		m <sup>3</sup> /min	157+233	178+233	178+233	178+268	233+233	233+233								
<b>Dimensions (HxWxD)</b>		mm	(1,657x930x765)+(1,657x1,240x765)	(1,657x930x765)+(1,657x1,240x765)	(1,657x930x765)+(1,657x1,240x765)	(1,657x930x765)+(1,657x1,240x765)	(1,657x1,240x765)+(1,657x1,240x765)	(1,657x1,240x765)+(1,657x1,240x765)								
<b>Machine weight</b>		kg	185+300	195+285	195+300	195+320	285+300	300+300								
<b>Sound level</b>		dB(A)	63	63	64	66	65	65								
<b>Operation range</b>		Cooling	°CDB -5 to 43						°CDB -5 to 43							
		Heating	°CWB -20 to 15.5						°CWB -20 to 15.5							
<b>Refrigerant</b>		Type	R-410A						R-410A							
		Charge kg	5.9+11.7	6.3+10.4	6.3+11.7	6.3+11.8	10.4+11.7	11.7+11.7								
<b>Piping connections</b>		Liquid	mm	φ19.1 (Brazing)	φ19.1 (Brazing)	φ19.1 (Brazing)	φ19.1 (Brazing)	φ19.1 (Brazing)	φ19.1 (Brazing)							
		Gas	mm	φ34.9 (Brazing)	φ34.9 (Brazing)	φ34.9 (Brazing)	φ34.9 (Brazing)	φ34.9 (Brazing)	φ41.3 (Brazing)							

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

2. Specifications are based on the following conditions;

- Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
  - Heating: Indoor temp.: 20°CDB, Outdoor temp.: 7°CDB, 6°CWB, Equivalent piping length: 7.5 m, Level difference: 0 m.
  - Sound level: Anechoic chamber conversion value, measured at a point 1 m in front of the unit at a height of 1.5 m.
- During actual operation, these values are normally somewhat higher as a result of ambient conditions.

## Outdoor Unit Combinations

### For connection of only VRV indoor units

#### High-COP Type

HP	Capacity index	Model name	Combination	Outdoor unit multi connection piping kit <sup>*1</sup>	Total capacity index of connectable indoor units <sup>*2</sup>	Maximum number of connectable indoor units <sup>*2</sup>
12	300	RX(Y)Q12TH	RX(Y)Q6Tx 2	BHFP22P100	150 to 390 (480)	19 (24)
14	350	RX(Y)Q14TH	RX(Y)Q6T+ RX(Y)Q8T		175 to 455 (560)	22 (28)
16	400	RX(Y)Q16TH	RX(Y)Q8T x 2	BHFP22P151	200 to 520 (640)	26 (32)
18	450	RX(Y)Q18TH	RX(Y)Q6T x 3		225 to 585 (585)	29 (29)
20	500	RX(Y)Q20TH	RX(Y)Q6Tx 2+ RX(Y)Q8T		250 to 650 (650)	32 (32)
22	550	RX(Y)Q22TH	RX(Y)Q6T+ RX(Y)Q8Tx 2		275 to 715 (715)	35 (35)
24	600	RX(Y)Q24TH	RX(Y)Q8Tx 3		300 to 780 (780)	39 (39)
26	650	RX(Y)Q26TH	RX(Y)Q8Tx 2 + RX(Y)Q10T		325 to 845 (845)	42 (42)
28	700	RX(Y)Q28TH	RX(Y)Q8Tx 2 + RX(Y)Q12T		350 to 910 (910)	45 (45)
30	750	RX(Y)Q30TH	RX(Y)Q8T+ RX(Y)Q10T+ RX(Y)Q12T		375 to 975 (975)	48 (48)
32	800	RX(Y)Q32TH	RX(Y)Q8T+ RX(Y)Q12Tx 2		400 to 1,040 (1,040)	52 (52)
34	850	RX(Y)Q34TH	RX(Y)Q8T+ RX(Y)Q12T+ RX(Y)Q14T		425 to 1,105 (1,105)	55 (55)
36	900	RX(Y)Q36TH	RX(Y)Q8T+ RX(Y)Q14T x 2	450 to 1,170 (1,170)	58 (58)	
38	950	RX(Y)Q38TH	RX(Y)Q12Tx 2+ RX(Y)Q14T	475 to 1,235 (1,235)	61 (61)	
40	1,000	RX(Y)Q40TH	RX(Y)Q12T+ RX(Y)Q14Tx 2	500 to 1,300 (1,300)	64 (64)	
42	1,050	RX(Y)Q42TH	RX(Y)Q14Tx 3	525 to 1,365 (1,365)		
44	1,100	RX(Y)Q44TH	RX(Y)Q14Tx 2+ RX(Y)Q16T	550 to 1,430 (1,430)		
46	1,150	RX(Y)Q46TH	RX(Y)Q14T+ RX(Y)Q16Tx 2	575 to 1,495 (1,495)		
48	1,200	RX(Y)Q48TH	RX(Y)Q16Tx 3	600 to 1,560 (1,560)		
50	1,250	RX(Y)Q50TH	RX(Y)Q16Tx 2 + RX(Y)Q18T	625 to 1,625 (1,625)		

Note: <sup>\*1</sup> The outdoor unit multi connection piping kit (separately sold) is required for multiple connection.  
<sup>\*2</sup> Values inside brackets are based on connection of indoor units rated at maximum capacity, 200% for single outdoor units, 160% for double outdoor units, and 130% for triple outdoor units. Refer to page 7 for notes on connection capacity of indoor units.

#### Space Saving Type

HP	Capacity index	Model name	Combination	Outdoor unit multi connection piping kit <sup>*1</sup>	Total capacity index of connectable indoor units <sup>*2</sup>	Maximum number of connectable indoor units <sup>*2</sup>
18	450	RX(Y)Q18T	RX(Y)Q18T	—	225 to 585 (900)	29 (45)
20	500	RX(Y)Q20T	RX(Y)Q20T	—	250 to 650 (1,000)	32 (50)
22	550	RX(Y)Q22TS	RX(Y)Q10T + RX(Y)Q12T	BHFP22P100	275 to 715 (880)	35 (44)
24	600	RX(Y)Q24TS	RX(Y)Q12T x 2		300 to 780 (960)	39 (48)
26	650	RX(Y)Q26TS	RX(Y)Q8T + RX(Y)Q18T		325 to 845 (1,040)	42 (52)
28	700	RX(Y)Q28TS	RX(Y)Q12T + RX(Y)Q16T		350 to 910 (1,120)	45 (56)
30	750	RX(Y)Q30TS	RX(Y)Q12T + RX(Y)Q18T		375 to 975 (1,200)	48 (60)
32	800	RX(Y)Q32TS	RX(Y)Q12T + RX(Y)Q20T		400 to 1,040 (1,280)	52 (64)
34	850	RX(Y)Q34TS	RX(Y)Q16T + RX(Y)Q18T		425 to 1,105 (1,360)	55 (64)
36	900	RX(Y)Q36TS	RX(Y)Q18T x 2		450 to 1,170 (1,440)	58 (64)
38	950	RX(Y)Q38TS	RX(Y)Q18T + RX(Y)Q20T		475 to 1,235 (1,520)	61 (64)
40	1,000	RX(Y)Q40TS	RX(Y)Q20T x 2		500 to 1,300 (1,600)	64 (64)
42	1,050	RX(Y)Q42TS	RX(Y)Q12T x 2 + RX(Y)Q18T	525 to 1,365 (1,365)		
44	1,100	RX(Y)Q44TS	RX(Y)Q12T x 2 + RX(Y)Q20T	550 to 1,430 (1,430)		
46	1,150	RX(Y)Q46TS	RX(Y)Q12T + RX(Y)Q16T + RX(Y)Q18T	575 to 1,495 (1,495)		
48	1,200	RX(Y)Q48TS	RX(Y)Q12T + RX(Y)Q18T x 2	600 to 1,560 (1,560)		
50	1,250	RX(Y)Q50TS	RX(Y)Q12T + RX(Y)Q18T + RX(Y)Q20T	625 to 1,625 (1,625)		

Note: <sup>\*1</sup> For multiple connection of 22 HP and above the outdoor unit multi connection piping kit (separately sold) is required.  
<sup>\*2</sup> Values inside brackets are based on connection of indoor units rated at maximum capacity, 200% for single outdoor units, 160% for double outdoor units, and 130% for triple outdoor units. Refer to page 7 for notes on connection capacity of indoor units.

#### Standard Type

HP	Capacity index	Model name	Combination	Outdoor unit multi connection piping kit <sup>*1</sup>	Total capacity index of connectable indoor units <sup>*2</sup>	Maximum number of connectable indoor units <sup>*2</sup>
6	150	RX(Y)Q6T	RX(Y)Q6T	—	75 to 195 (300)	9 (15)
8	200	RX(Y)Q8T	RX(Y)Q8T	—	100 to 260 (400)	13 (20)
10	250	RX(Y)Q10T	RX(Y)Q10T	—	125 to 325 (500)	16 (25)
12	300	RX(Y)Q12T	RX(Y)Q12T	—	150 to 390 (600)	19 (30)
14	350	RX(Y)Q14T	RX(Y)Q14T	—	175 to 455 (700)	22 (35)
16	400	RX(Y)Q16T	RX(Y)Q16T	—	200 to 520 (800)	26 (40)
18	450	RX(Y)Q18TN	RX(Y)Q8T + RX(Y)Q10T	BHFP22P100	225 to 585 (720)	29 (36)
20	500	RX(Y)Q20TN	RX(Y)Q8T + RX(Y)Q12T		250 to 650 (800)	32 (40)
22	550	RX(Y)Q22TN	RX(Y)Q8T + RX(Y)Q14T		275 to 715 (880)	35 (44)
24	600	RX(Y)Q24TN	RX(Y)Q10T + RX(Y)Q14T		300 to 780 (960)	39 (48)
26	650	RX(Y)Q26TN	RX(Y)Q12T + RX(Y)Q14T		325 to 845 (1,040)	42 (52)
28	700	RX(Y)Q28TN	RX(Y)Q14T x 2		350 to 910 (1,120)	45 (56)
30	750	RX(Y)Q30TN	RX(Y)Q14T + RX(Y)Q16T		375 to 975 (1,200)	48 (60)
32	800	RX(Y)Q32TN	RX(Y)Q14T + RX(Y)Q18T		400 to 1,040 (1,280)	52 (64)
34	850	RX(Y)Q34TN	RX(Y)Q10T + RX(Y)Q12T x 2		425 to 1,105 (1,105)	55 (55)
36	900	RX(Y)Q36TN	RX(Y)Q12T x 3		450 to 1,170 (1,170)	58 (58)
38	950	RX(Y)Q38TN	RX(Y)Q8T + RX(Y)Q12T + RX(Y)Q18T	475 to 1,235 (1,235)	61 (61)	
40	1,000	RX(Y)Q40TN	RX(Y)Q12T x 2 + RX(Y)Q16T	500 to 1,300 (1,300)	64 (64)	
42	1,050	RX(Y)Q42TN	RX(Y)Q12T + RX(Y)Q14T + RX(Y)Q16T	525 to 1,365 (1,365)		
44	1,100	RX(Y)Q44TN	RX(Y)Q12T + RX(Y)Q16T x 2	550 to 1,430 (1,430)		
46	1,150	RX(Y)Q46TN	RX(Y)Q14T x 2 + RX(Y)Q18T	575 to 1,495 (1,495)		
48	1,200	RX(Y)Q48TN	RX(Y)Q14T + RX(Y)Q16T + RX(Y)Q18T	600 to 1,560 (1,560)		
50	1,250	RX(Y)Q50TN	RX(Y)Q14T + RX(Y)Q18T x 2	625 to 1,625 (1,625)		
52	1,300	RX(Y)Q52TN	RX(Y)Q16T + RX(Y)Q18T x 2	650 to 1,690 (1,690)		
54	1,350	RX(Y)Q54TN	RX(Y)Q18T x 3	675 to 1,755 (1,755)		
56	1,400	RX(Y)Q56TN	RX(Y)Q18T x 2 + RX(Y)Q20T	700 to 1,820 (1,820)		
58	1,450	RX(Y)Q58TN	RX(Y)Q18T + RX(Y)Q20T x 2	725 to 1,885 (1,885)		
60	1,500	RX(Y)Q60TN	RX(Y)Q20T x 3	750 to 1,950 (1,950)		

Note: <sup>\*1</sup> For multiple connection of 18 HP systems and above, the outdoor unit multi connection piping kit (separately sold) is required.  
<sup>\*2</sup> Values inside brackets are based on connection of indoor units rated at maximum capacity, 200% for single outdoor units, 160% for double outdoor units, and 130% for triple outdoor units. Refer to page 7 for notes on connection capacity of indoor units.

### For mixed combination of VRV and residential indoor units or connection of only residential indoor units

Model name <sup>*1</sup>	kW	HP	Capacity index	Total capacity index of connectable indoor units <sup>*2</sup>				Maximum number of connectable indoor units
				Combination (%) <sup>*2</sup>				
				50% <sup>*2</sup> (minimum for RXQ)	80% <sup>*2</sup> (minimum for RXYQ)	100%	130%	
RX(Y)Q6TY1	16.0	6 HP	150	75	120	150	195	9
RX(Y)Q8TY1	22.4	8 HP	200	100	160	200	260	13
RX(Y)Q10TY1	28.0	10 HP	250	125	200	250	325	16
RX(Y)Q12TY1	33.5	12 HP	300	150	240	300	390	19
RX(Y)Q14TY1	40.0	14 HP	350	175	280	350	455	22
RX(Y)Q16TY1	45.0	16 HP	400	200	320	400	520	26
RX(Y)Q18TY1	50.0	18 HP	450	225	360	450	585	29
RX(Y)Q20TY1	56.0	20 HP	500	250	400	500	650	32

<sup>\*1</sup> Only single outdoor unit (RX(Y)Q6-20TY1) can be connected.  
<sup>\*2</sup> Total capacity index of connectable indoor units must be 50%–130% of the capacity index of the outdoor unit for cooling only RXQ models and 80% to 130% of the capacity index of the outdoor unit for heat pump RXYQ models.

## VRV Indoor Units

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

No.	Item	Type	FXFQ25S	FXFQ32S	FXFQ40S	FXFQ50S	FXFQ63S	FXFQ80S	FXFQ100S	FXFQ125S	
1	Decoration panel						BYCQ125B-W1				
2	Sealing material of air discharge outlet						KDBHQ55B140				
3	Panel spacer						KDBP55H160FA				
4	Filter related	High efficiency filter unit 65%				KAFP556B80			KAFP556B160		
		High efficiency filter unit 90%				KAFP557B80			KAFP557B160		
		Replacement high efficiency filter 65%				KAFP552B80			KAFP552B160		
		Replacement high efficiency filter 90%				KAFP553B80			KAFP553B160		
		Filter chamber						KDDFP55B160			
		Long life replacement filter						KAFP551K160			
		Ultra long-life filter						KAFP55B160			
5	Fresh air intake kit	Chamber type									
		Without T joint-pipe and fan						KDDQ55B140			
		With T joint-pipe without fan							KDDP55B160K		
6	Branch duct chamber	Direct installation type									
								KDJP55B80		KDJP55B160	
7	Insulation kit for high humidity									KDTP55K80	

### Ceiling Mounted Cassette (Round Flow) Type

No.	Item	Type	FXFQ25LU	FXFQ32LU	FXFQ40LU	FXFQ50LU	FXFQ63LU	FXFQ80LU	FXFQ100LU	FXFQ125LU	
1	Decoration panel						BYCP125K-W1				
2	Sealing material of air discharge outlet						KDBH55K160F				
3	Panel spacer						KDBP55H160FA				
4	Filter related	High efficiency filter unit 65%					KAFP556B80			KAFP556B160	
		High efficiency filter unit 90%					KAFP557B80			KAFP557B160	
		Replacement high efficiency filter 65%					KAFP552B80			KAFP552B160	
		Replacement high efficiency filter 90%					KAFP553B80			KAFP553B160	
		Filter chamber							KDDFP55B160		
		Long life replacement filter							KAFP551K160		
		Ultra long-life filter							KAFP55B160		
5	Fresh air intake kit	Chamber type									
		Without T joint-pipe and fan								KDDP55B160	
		With T joint-pipe without fan									KDDP55B160K
6	Branch duct chamber	Direct installation type									
										KDJP55B80	
7	Chamber connection kit									KKSJ55KA160	
8	Insulation kit for high humidity									KDTP55K80	

### Ceiling Mounted Cassette (Compact Multi Flow) Type

No.	Item	Type	FXZQ20M	FXZQ25M	FXZQ32M	FXZQ40M	FXZQ50M
1	Decoration panel						BYFQ60B8W1
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		KPB52F56W		KPB52F80W
2	Air inlet and air discharge outlet related	Long life replacement filter		KAFJ521F56		KAFJ521F80
		Air discharge grille		K-HV7AW		K-HV9AW
		Air discharge blind panel		KDBJ52F56W		KDBJ52F80W
		Flexible duct (with shutter)		KFDJ52FA56		KFDJ52FA80

### Slim Ceiling Mounted Duct Type (700 mm width type)

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

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

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

### 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	KTBJ25K56W	KTBJ25K80W	KTBJ25K160W	
		Fresh white	KTBJ25K36F	KTBJ25K56F	KTBJ25K80F	KTBJ25K160F	
		Brown	KTBJ25K36T	KTBJ25K56T	KTBJ25K80T	KTBJ25K160T	
7	Air discharge adaptor		KDAJ25K36A	KDAJ25K56A	KDAJ25K71A	KDAJ25K140A	

### Ceiling Suspended Type

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

## VRV Indoor Units

### Wall Mounted Type

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

### Floor Standing Type

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

### Concealed Floor Standing Type

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

### Floor Standing Duct Type

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

\*1 A front suction base flange and suction grille are required (option). \*2 A filter chamber for high efficiency is required (option).  
 \*3 Different from the filter attached as standard. \*4 Use the plenum chamber and pulley for plenum chamber in combination.

## Residential Indoor Units with connection to BP units

### Ceiling Mounted Cassette Type

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

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

### Ceiling Mounted Cassette (Compact Multi Flow) Type

No.	Item	Type	FFQ25BV1B	FFQ35BV1B	FFQ50BV1B	FFQ60BV1B
1	Decoration panel		BYFQ60B8W1			
2	Replacement long-life filter		KAFQ441BA60			
3	Fresh air intake kit	Direct installation type	KDDQ44XA6			
4	Sealing member for air discharge outlet		KDBH44BA60			
5	Panel spacer		KDBQ44BA60A			

### Ceiling Mounted Built-in Type

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

### Slim Ceiling Mounted Duct Type

No.	Item	Type	FDKS25EAVMB CDXS25EAVMA	FDKS35EAVMB CDXS35EAVMA	FDKS25CAVMB FDXS25CAVMA	FDKS35CAVMB FDXS35CAVMA	FDKS50CVMB FDXS50CVMA	FDKS60CVMB FDXS60CVMA
1	Suction grille		KDG19A45					
2	Insulation kit for high humidity		KDT25N32		KDT25N50		KDT25N63	

### Wall Mounted Type

No.	Item	Type	FTXS20DVMA	FTKS25DVM FTXS25EVMA	FTKS35DVM FTXS35EVMA	FTKS50BVMA	FTKS50FVM FTXS50FVMA	FTKS60FVM FTXS60FVMA	FTKS71FVM FTXS71FVMA
1	Titanium apatite photocatalytic air-purifying filter		KAF970A46		KAF952A42		KAF952B42		

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

### BP Units for connection to residential indoor units

No.	Item	Type	BPMKS967A2	BPMKS967A3
1	REFNET joint		KHRP26A22T	

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

## Outdoor Units

### High-COP Type type

Optional Accessories		<b>RX(Y)Q12THY1(E)</b> <b>RX(Y)Q14THY1(E)</b> <b>RX(Y)Q16THY1(E)</b>
Distributive piping	REFNET header	KHRP26M22H, KHRP26M33H, KHRP26M72H (Max. 4 branch) (Max. 8 branch) (Max. 8 branch)
	REFNET joint	KHRP26A22T, KHRP26A33T, KHRP26A72T
Outdoor unit multi connection piping kit		BHFP22P100
Cool / Heat selector		KRC19-26A (Applies to RXYQ only)

Optional Accessories		<b>RX(Y)Q18THY1(E)</b> <b>RX(Y)Q20THY1(E)</b> <b>RX(Y)Q22THY1(E)</b>	<b>RX(Y)Q24THY1(E)</b> <b>RX(Y)Q26THY1(E)</b> <b>RX(Y)Q28THY1(E)</b> <b>RX(Y)Q30THY1(E)</b> <b>RX(Y)Q32THY1(E)</b>	<b>RX(Y)Q34THY1(E)</b>
Distributive piping	REFNET header	KHRP26M22H (Max. 4 branch), KHRP26M33H (Max. 8 branch), KHRP26M72H (Max. 8 branch)	KHRP26M22H, KHRP26M33H, KHRP26M72H, KHRP26M73H (Max. 4 branch) (Max. 8 branch) (Max. 8 branch) (Max. 8 branch)	
	REFNET joint	KHRP26A22T, KHRP26A33T, KHRP26A72T	KHRP26A22T, KHRP26A33T, KHRP26A72T, KHRP26A73T	
Pipe size reducer		-	KHRP26M73TP, KHRP26M73HP	
Outdoor unit multi connection piping kit		BHFP22P151		
Cool / Heat selector		KRC19-26A (Applies to RXYQ only)		

Optional Accessories		<b>RX(Y)Q36THY1(E)</b>	<b>RX(Y)Q38THY1(E)</b>	<b>RX(Y)Q40THY1(E)</b>	<b>RX(Y)Q42THY1(E)</b> <b>RX(Y)Q44THY1(E)</b> <b>RX(Y)Q46THY1(E)</b> <b>RX(Y)Q48THY1(E)</b> <b>RX(Y)Q50THY1(E)</b>
Distributive piping	REFNET header	KHRP26M22H, KHRP26M33H, KHRP26M72H, KHRP26M73H (Max. 4 branch) (Max. 8 branch) (Max. 8 branch) (Max. 8 branch)			
	REFNET joint	KHRP26A22T, KHRP26A33T, KHRP26A72T, KHRP26A73T			
Pipe size reducer		KHRP26M73TP, KHRP26M73HP			
Outdoor unit multi connection piping kit		BHFP22P151			
Cool / Heat selector		KRC19-26A (Applies to RXYQ only)			

### Standard Type

Optional Accessories		<b>RX(Y)Q6TY1(E)</b> <b>RX(Y)Q8TY1(E)</b> <b>RX(Y)Q10TY1(E)</b>	<b>RX(Y)Q12TY1(E)</b>	<b>RX(Y)Q14TY1(E)</b> <b>RX(Y)Q16TY1(E)</b>
Distributive piping	REFNET header	KHRP26M22H, (Max. 4 branch) KHRP26M33H (Max. 8 branch)	KHRP26M22H, KHRP26M33H, KHRP26M72H (Max. 4 branch) (Max. 8 branch) (Max. 8 branch)	
	REFNET joint	KHRP26A22T KHRP26A33T	KHRP26A22T, KHRP26A33T, KHRP26A72T	
Cool / Heat selector		KRC19-26A (Applies to RXYQ only)		

Optional Accessories		<b>RX(Y)Q18TNY1(E)</b> <b>RX(Y)Q20TNY1(E)</b>	<b>RX(Y)Q22TNY1(E)</b>	<b>RX(Y)Q24TNY1(E)</b> <b>RX(Y)Q26TNY1(E)</b>	<b>RX(Y)Q28TNY1(E)</b> <b>RX(Y)Q30TNY1(E)</b> <b>RX(Y)Q32TNY1(E)</b>
Distributive piping	REFNET header	KHRP26M22H, KHRP26M33H, (Max. 4 branch) (Max. 8 branch) KHRP26M72H (Max. 8 branch)	KHRP26M22H, KHRP26M33H, (Max. 4 branch) (Max. 8 branch) KHRP26M72H, KHRP26M73H (Max. 8 branch) (Max. 8 branch)		
	REFNET joint	KHRP26A22T, KHRP26A33T, KHRP26A72T	KHRP26A22T, KHRP26A33T, KHRP26A72T, KHRP26A73T		
Pipe size reducer		-			
Outdoor unit multi connection piping kit		BHFP22P100			
Cool / Heat selector		KRC19-26A (Applies to RXYQ only)			

Optional Accessories		<b>RX(Y)Q34TNY1(E)</b> <b>RX(Y)Q36TNY1(E)</b>	<b>RX(Y)Q38TNY1(E)</b> <b>RX(Y)Q40TNY1(E)</b>	<b>RX(Y)Q42TNY1(E)</b> <b>RX(Y)Q44TNY1(E)</b>	<b>RX(Y)Q46TNY1(E)</b> <b>RX(Y)Q48TNY1(E)</b> <b>RX(Y)Q50TNY1(E)</b> <b>RX(Y)Q52TNY1(E)</b> <b>RX(Y)Q54TNY1(E)</b> <b>RX(Y)Q56TNY1(E)</b> <b>RX(Y)Q58TNY1(E)</b> <b>RX(Y)Q60TNY1(E)</b>
Distributive piping	REFNET header	KHRP26M22H, KHRP26M33H, KHRP26M72H, KHRP26M73H (Max. 4 branch) (Max. 8 branch) (Max. 8 branch) (Max. 8 branch)			
	REFNET joint	KHRP26A22T, KHRP26A33T, KHRP26A72T, KHRP26A73T			
Pipe size reducer		KHRP26M73TP, KHRP26M73HP			
Outdoor unit multi connection piping kit		BHFP22P151			
Cool / Heat selector		KRC19-26A (Applies to RXYQ only)			

### Space Saving Type

Optional Accessories		<b>RX(Y)Q18TY1(E)</b> <b>RX(Y)Q20TY1(E)</b>
Disinbutive piping	REFNET header	KHRP26M22H, KHRP26M33H, KHRP26M72H (Max.4 branch) (Max.8 branch) (Max.8 branch)
	REFNET joint	KHRP26A22T, KHRP26A33T, KHRP26A72T
Cool / Heat selector		KRC19-26A (Applies to RXYQ only)

Optional Accessories		<b>RX(Y)Q22TSY1(E)</b>	<b>RX(Y)Q24TSY1(E)</b>	<b>RX(Y)Q26TSY1(E)</b> <b>RX(Y)Q28TSY1(E)</b> <b>RX(Y)Q30TSY1(E)</b> <b>RX(Y)Q32TSY1(E)</b>	<b>RX(Y)Q34TSY1(E)</b> <b>RX(Y)Q36TSY1(E)</b> <b>RX(Y)Q38TSY1(E)</b> <b>RX(Y)Q40TSY1(E)</b>
Disinbutive piping	REFNET header	KHRP26M22H (Max.4 branch), KHRP26M33H (Max.8 branch), KHRP26M72H (Max.8 branch),	KHRP26M22H, KHRP26M33H, KHRP26M72H, KHRP26M73H (Max.4 branch) (Max.8 branch) (Max.8 branch) (Max.8 branch)		
	REFNET joint	KHRP26A22T, KHRP26M33T, KHRP26M72T,	KHRP26A22T, KHRP26A33T, KHRP26A72T, KHRP26A73T		
Pipe size reducer		-	KHRP26M73TP, KHRP26M73HP		
Outdoor unit connection piping kit		BHFP22P100			
Cool / Heat selector		KRC19-26A (Applies to RXYQ only)			

Optional Accessories		<b>RX(Y)Q42TSY1(E)</b> <b>RX(Y)Q44TSY1(E)</b>	<b>RX(Y)Q46TSY1(E)</b> <b>RX(Y)Q48TSY1(E)</b> <b>RX(Y)Q50TSY1(E)</b>
Disinbutive piping	REFNET header	KHRP26M22H, KHRP26M33H, KHRP26M72H, KHRP26M73H (Max.4 branch) (Max.8 branch) (Max.8 branch) (Max.8 branch)	
	REFNET joint	KHRP26A22T, KHRP26A33T, KHRP26A72T, KHRP26A73T	
Pipe size reducer		KHRP26M73TP, KHRP26M73HP	
Outdoor unit connection piping kit		BHFP22P151	
Cool / Heat selector		KRC19-26A (Applies to RXYQ only)	

## Individual Control Systems for VRV Indoor Units

### Navigation remote controller (Wired remote controller) (Option)

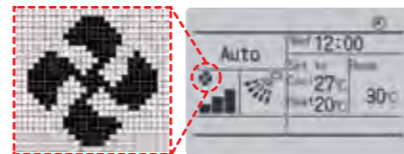
New



BRC1E62

#### Clear display

- **Dot matrix display**
  - A combination of fine dots enables various icons. Large text display is easy to see.
- **Backlight display**
  - Backlight display helps operating in dark rooms.



#### Simple operation

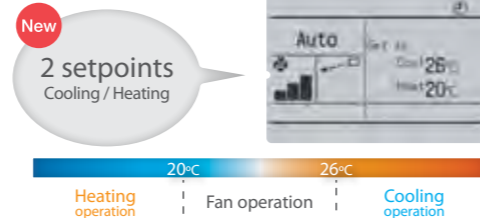
- **Large buttons and arrow keys**
  - Large buttons and arrow keys enable easy operation. Basic setting such as fan speed and temperature can be intuitively operated. For other settings just select the function from the menu list.
- **Guide on display**
  - The display gives an explanation of each setting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



### Energy saving

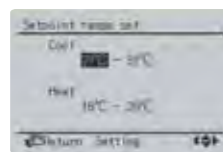
#### • Auto operation mode

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



#### • Setpoint range set New

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



#### • Off timer

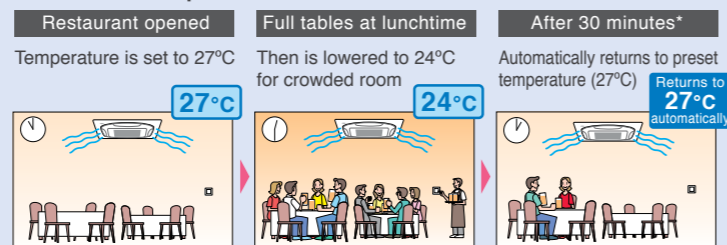
- Turns off the air conditioner after a preset period of time.
- Period can be preset from 30 to 180 minutes in 10-minute increments.

#### • Setpoint auto reset New

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



#### Restaurant sample



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

### Convenience

#### • Setback (default:OFF) New

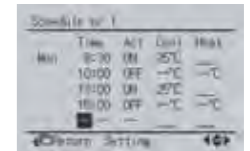
Maintains the room temperature in a specific range during unoccupied period by temporarily starting air conditioner that was turned OFF.

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.

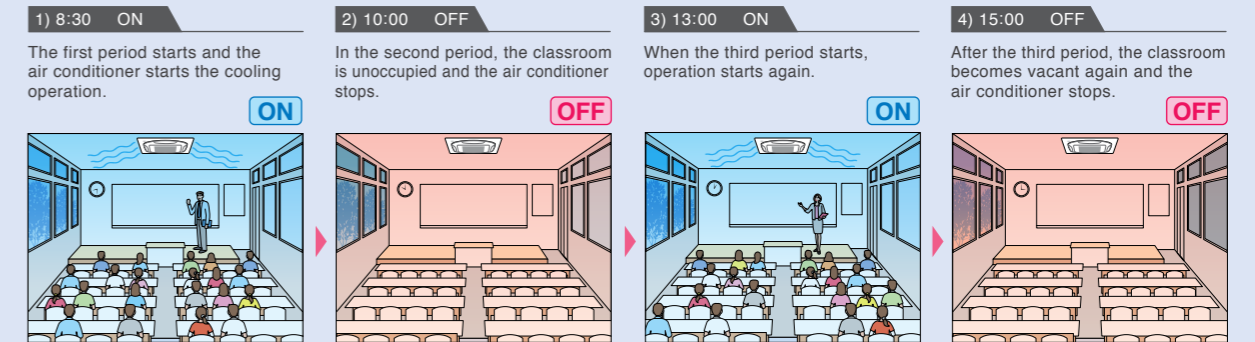
	Setback temperature	Recovery differential
Cooling	33 — 37°C	-2 — -8°C
Heating	10 — 15°C	+2 — +8°C

#### • 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) New



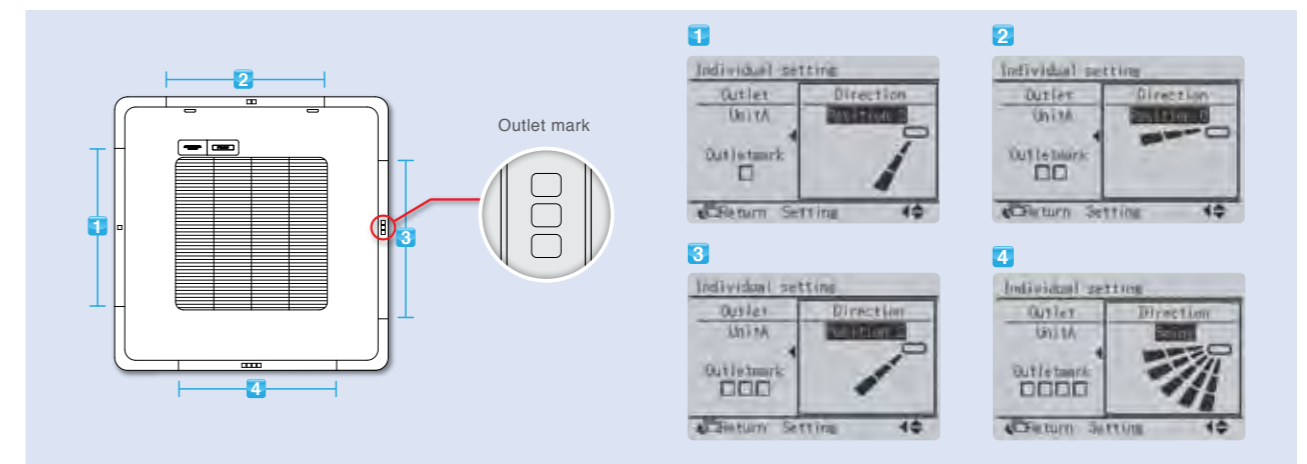
#### College classroom sample (a summer Monday case)



### Comfort

#### • Individual airflow direction (\*1) New

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



#### • Auto airflow rate (\*2) New

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

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

## Individual Control Systems for VRV Indoor Units

### Wired remote controller (Option)



BRC1E62

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

\* 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.

### Wireless remote controller (Option)



Wireless remote controller

Signal receiver unit (Separate type)

- The same operation modes and settings as with wired remote controllers are possible.

\* Individual airflow direction, auto airflow rate and sensing sensor control can be set only via wired remote controller BRC1E62. Cannot be set via other remote controllers.

- A compact signal receiver unit (separate type) to be mounted into a wall or ceiling is included.

• A signal receiver unit (installed type) for a Ceiling Mounted Cassette (Round Flow, Compact Multi Flow, Double Flow) type, Ceiling Suspended type and Wall Mounted type is mounted into the indoor unit.



Signal receiver unit can be installed on the panel

ex. Ceiling Mounted Cassette (Round Flow) type



Signal receiver unit (Installed type)

\* Wireless remote controller and signal receiver unit are sold as a set.  
\* Refer to page 87 for the name of each model.

### Simplified remote controller (Option)



Exposed type (BRC2C51)

Concealed type (For hotel use) (BRC3A61)

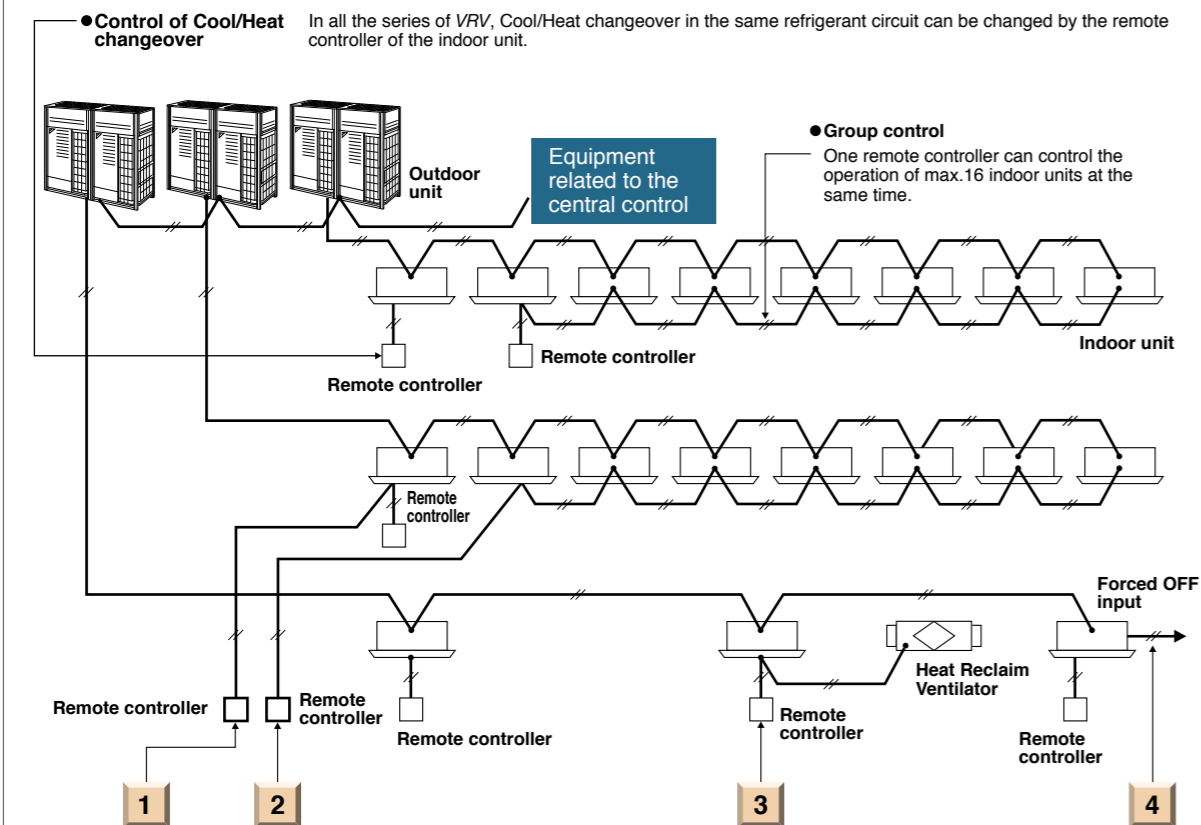
- The remote controller has centralised its frequently used operation selectors and switches (on/off, operation mode, temperature setting and airflow volume), making itself suitable for use in hotel rooms or conference rooms.



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

- The exposed type remote controller is fitted with a thermostat sensor.

### 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.

### Wide variation of remote controllers for VRV indoor units

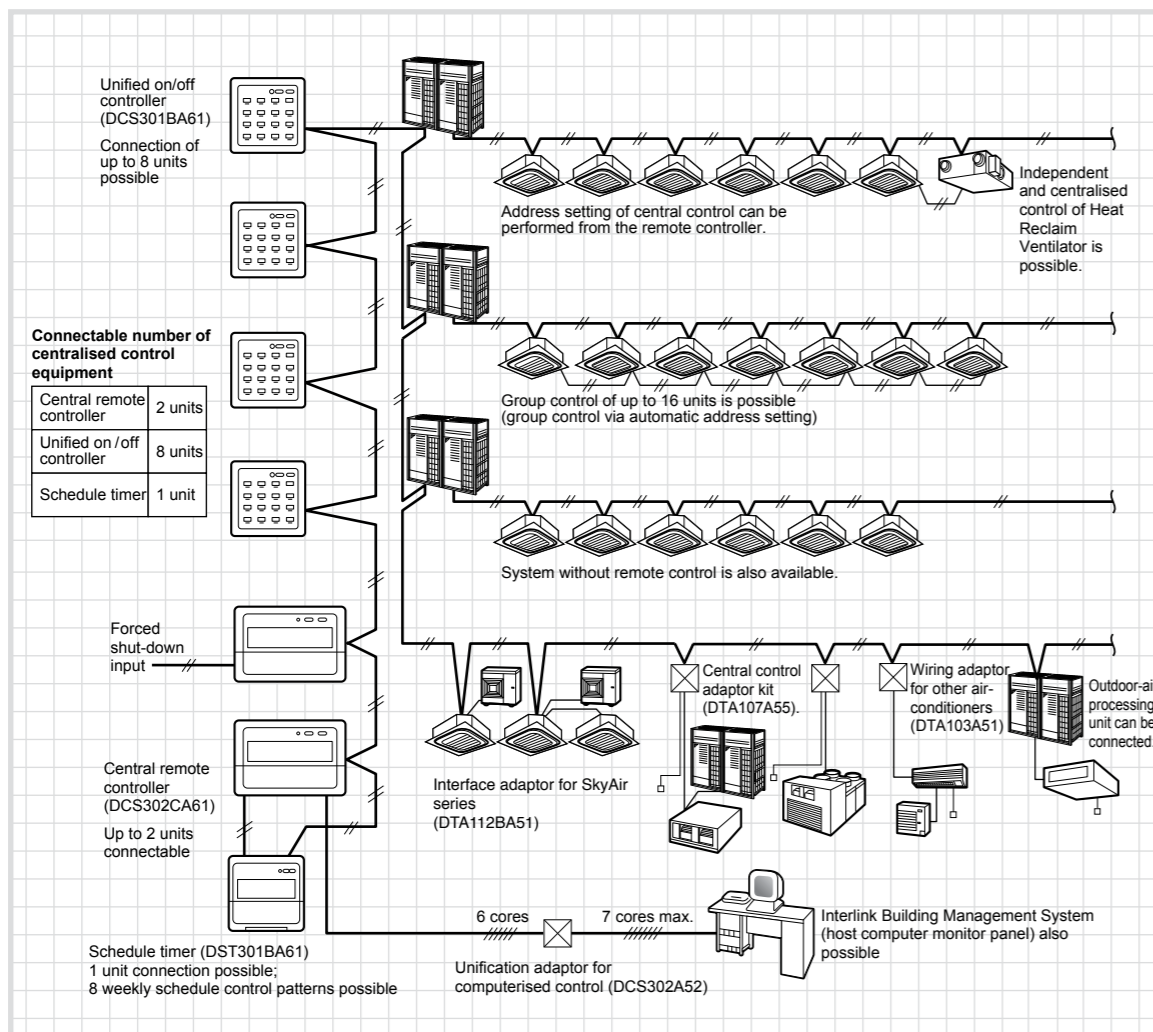
	FXFQ-S	FXFQ-LU	FXZQ	FXCQ	FXUQ	FXKQ	FXDQ	FXMQ	FXHQ	FXAQ	FXL(N)Q	FXVQ
<b>Navigation remote controller</b> (Wired remote controller) (BRC1E62)	●	●	●	●	●	●	●	●	●	●	●	●
<b>Wired remote controller</b> (BRC1E62)	●	●	●	●	●	●	●	●	●	●	●	●
<b>Wireless remote controller*</b> (Installed type signal receiver unit)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

\*Refer to page 87 for the name of each model.



## Centralised Control Systems for VRV Indoor Units

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



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

### Residential central remote controller\* (Option)



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

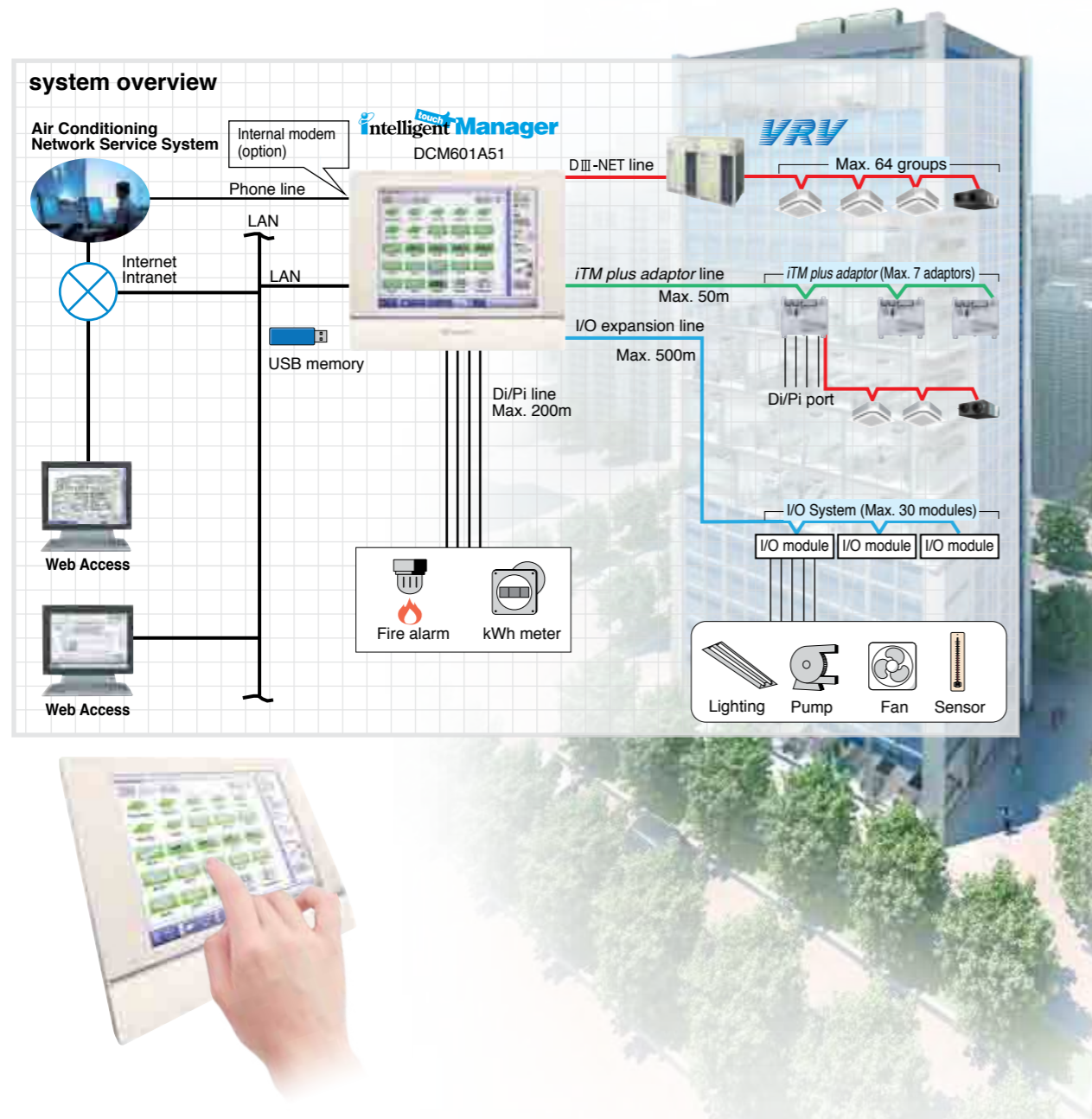
## Advanced Control Systems for VRV Indoor Units



### One touch selection to total air comfort

Daikin proudly introduces its *intelligent Touch Manager*, a VRV system controller featuring an array of simple, useful system management functions for added value.

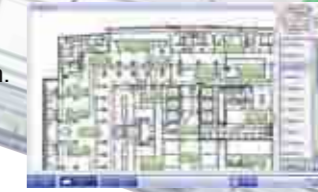
Up to 512 groups can be controlled by one *intelligent Touch Manager*



## Features

### Central control

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



### Remote access

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

### Automatic control

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

### Energy management

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



### Troubleshooting

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

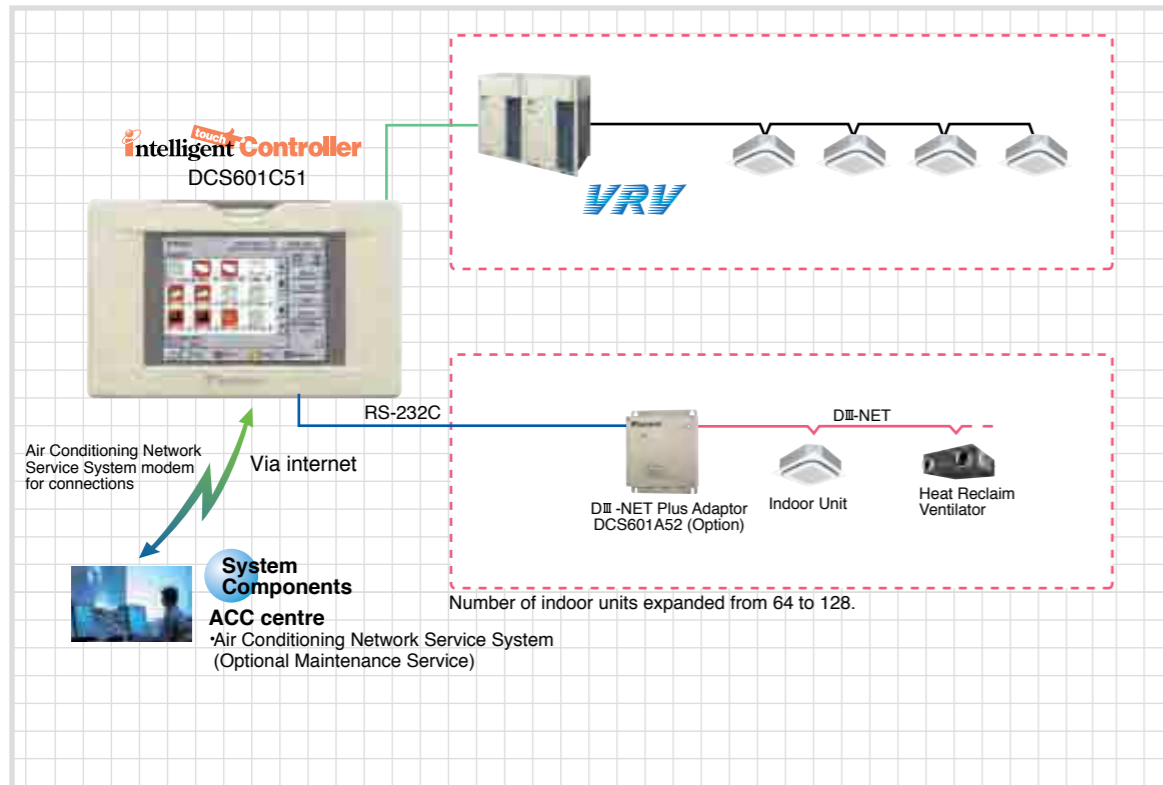
### Scalability

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

## Advanced Control Systems for VRV Indoor Units

### Intelligent Controller

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



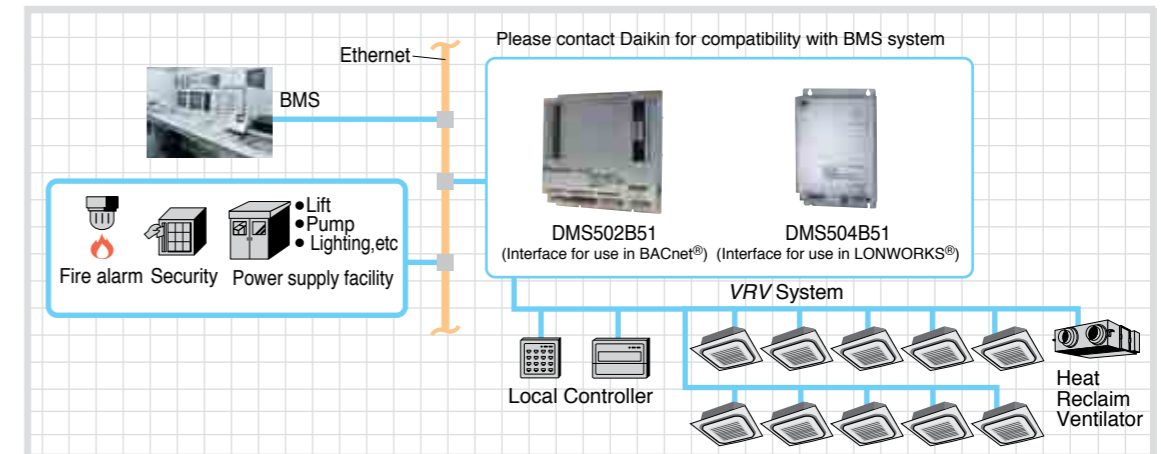
## Features

- Colour LCD touch panel icon display
- Small manageable size
- Simplified engineering
- Multi language (English, French, Italian, German, Spanish, Dutch, Portuguese, Chinese and Korean)
- Yearly schedule
- Auto heat/cool change-over
- Temperature limitation
- Enhanced history function
- 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®

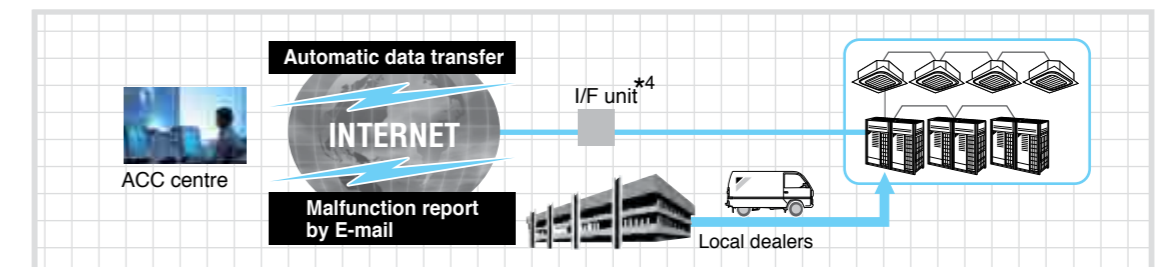
- Support for Heat Reclaim Ventilator VAM series
- Selectable temperature unit
- BTL Certification
- PPD data (Optional Di board is required.)
- ISO 16484-5 (Does not support IEEE 802.3 protocol for BACnet®)
- Up to 40 outdoor units and 256 indoor unit groups on one gateway (optional adaptor)

#### 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.

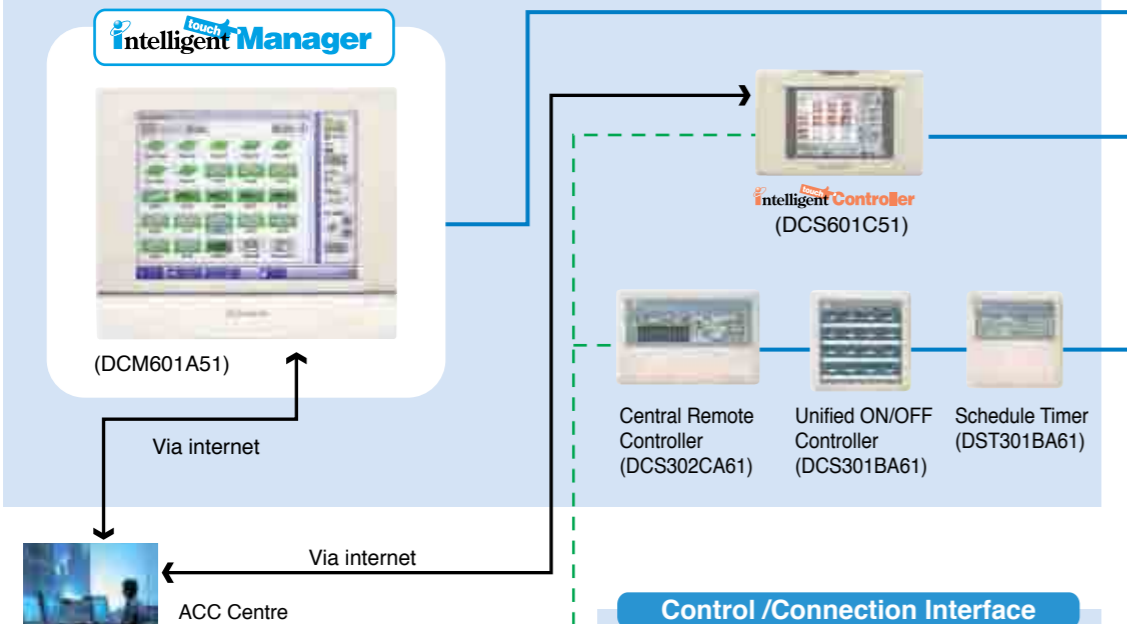
\*4. For an I/F unit, one of the following can be selected: **Local Controller**, intelligent touch Controller, or intelligent touch Manager.

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

## Integrated Building Monitoring System

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

### Controllers for Centralised Control



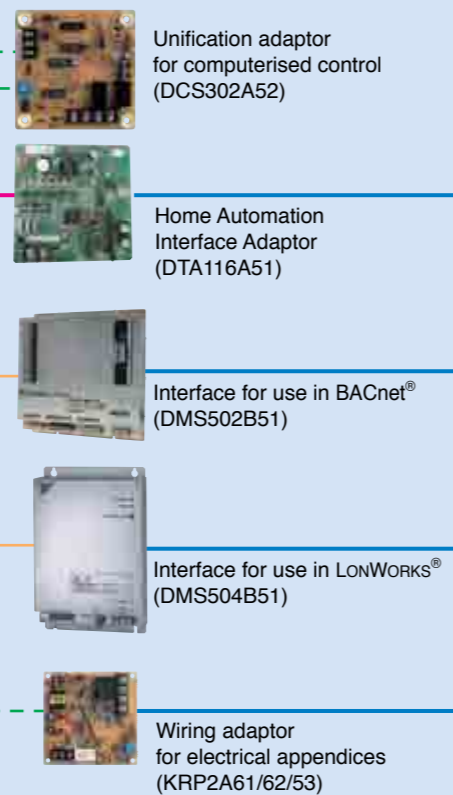
**ACC Centre**  
Air Conditioning Network Service System  
(There are restrictions in applicable areas and release times, therefore please consult us separately for details.)  
(Optional Maintenance Service)

Home Automation Master Controller

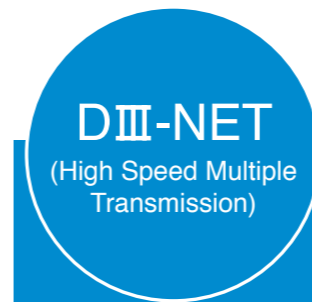
**BMS**  
(Obtain locally)



### Control /Connection Interface



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



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

### The DIII-NET system provides for:

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



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



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

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

## Option List

### Operation Control System Optional Accessories

#### For VRV indoor unit use

No.	Item	Type		FXFQ-S	FXFQ-LU	FXZQ-M	FXUQ-A	FXCQ-M	FXKQ-MA	FXDQ-PB FXDQ-NB
		C/O	H/P							
1	Remote controller	Wireless		BRC7F635F	BRC7E531W	BRC7CB59	BRC7C67	BRC4C63	BRC4C66	
				BRC7F634F	BRC7E530W	BRC7CB58	BRC4C62	BRC4C61	BRC4C65	
		Wired		BRC1C62						
2	Navigation remote controller (Wired remote controller)			BRC1E62 Note 7						
3	Simplified remote controller (Exposed type)			BRC2C51						
4	Remote controller for hotel use (Concealed type)			BRC3A61						
5	Adaptor for wiring			★KRP1C63	★KRP1BA57	—	★KRP1B61	KRP1B61	★KRP1B56	
6-1	Wiring adaptor for electrical appendices (1)			★KRP2A62	★KRP2A62	—	★KRP2A61	KRP2A61	★KRP2A53	
6-2	Wiring adaptor for electrical appendices (2)			★KRP4AA53	★KRP4AA53	★KRP4AA53	★KRP4AA51	KRP4AA51	★KRP4A54	
7	Remote sensor (for indoor temperature)			KRCS01-4B	KRCS01-1B					KRCS01-1B
8	Installation box for adaptor PCB ☆			Note 2, 3 KRP1H98	Note 4, 6 KRP1BA101	KRP1BA97	Note 2, 3 KRP1B96	—	Note 4, 6 KRP1BA101	
9	External control adaptor for outdoor unit			★DTA104A62	★DTA104A62	—	★DTA104A61	DTA104A61	★DTA104A53	
10	Adaptor for multi tenant			★DTA114A61	—					

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

- Notes: 1. Installation box ☆ is necessary for each adaptor marked ★.  
 2. Up to 2 adaptors can be fixed for each installation box.  
 3. Only one installation box can be installed for each indoor unit.  
 4. Up to 2 installation boxes can be installed for each indoor unit.  
 5. Installation box ☆ is necessary for second adaptor.  
 6. Installation box ☆ is necessary for each adaptor.  
 7. Individual airflow direction, auto airflow rate and sensing sensor control can be set only via wired remote controller BRC1E62. Cannot be set via other remote controllers.  
 8. Since the control panel is equipped as standard, use the option for 2 remote control system.  
 9. When using BRC1E62, be sure to remove the control panel and since BRC1E62 cannot be stored inside the indoor unit, please place it separately.

#### For residential indoor unit use

No.	Item	Type		FCQ-B	FFQ-B	FBQ-B	F(C)DK(X)S-EA FDK(X)S-C(A)	FTKS-D,B,F FTXS-D,E,F
		Wired type Note 1	Wireless type					
1	Remote controller	Wired type Note 1		BRC1C61				
		Wireless type	C/O	BRC7C613W	BRC7E531W	—	—	Note 2
			H/P	BRC7C612W	BRC7E530W	—	—	Note 2
2	Adaptor for wiring			Note 3 KRP1BA57	Note 3 KRP1BA57	KRP1BA54	—	—
3	Wiring adaptor for electrical appendices			Note 3 KRP4AA53	Note 4 KRP4AA53	KRP4AA51	—	—
4	Installation box for adaptor PCB			KRP1B98	KRP1BA101	—	—	—
5	Remote sensor (for indoor temperature)			—	KRCS01-1B	—	—	—
6	Wiring adaptor for time clock/remote controller Note 5 (Normal open pulse contact/normal open contact)			—	—	—	KRP413AB1S	—
7	Remote controller loss prevention chain			—	—	—	KKF917A4	—

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

### System Configuration

No.	Item	Type	Model No.	Function
1	Residential central remote controller		Note 2 DCS303A51	• Up to 16 groups of indoor units (128 units) can be easily controlled using the large LCD panel. ON/OFF, temperature settings and scheduling can be controlled individually for indoor units.
2	Central remote controller		DCS302CA61	• Up to 64 groups of indoor units (128 units) can be connected, and ON/OFF, temperature setting and monitoring can be accomplished individually or simultaneously. Connectable up to 2 controllers in one system.
2-1	Electrical box with earth terminal (3 blocks)		KJB311AA	• Up to 16 groups of indoor units (128 units) can be turned, ON/OFF individually or simultaneously, and operation and malfunction can be displayed. Can be used in combination with up to 8 controllers.
3	Unified ON/OFF controller		DCS301BA61	
3-1	Electrical box with earth terminal (2 blocks)		KJB212AA	
3-2	Noise filter (for electromagnetic interface use only)		KEK26-1A	
4	Schedule timer		DST301BA61	• Programmed time weekly schedule can be controlled by unified control for up to 64 groups of indoor units (128 units). Can turn units ON/OFF twice per day.
5	5-room centralised controller for residential indoor units	For CDXS, FDK(X)S, FTK(X)S	Note 3 KRC72A	• Up to 5 indoor units can be controlled. This is a low cost system which can only control ON/OFF.
6	Interface adaptor for residential indoor units	For CDXS, FDK(X)S, FTK(X)S	KRP928BB2S	• Adaptors required to connect products other than those of the VRV System to the high-speed DIII-NET communication system adopted for the VRV System. * To use any of the above optional controllers, an appropriate adaptor must be installed on the product unit to be controlled.
7	Interface adaptor for SkyAir-series	For FCQ-B, FFQ-B, FHQ-BV, FBQ-B	★DTA112BA51	
8	Central control adaptor kit	For UAT(Y)-K(A), FD-K	★DTA107A55	
9	Wiring adaptor for other air-conditioner		★DTA103A51	
10	DIII-NET Expander Adaptor		DTA109A51	• Up to 1024 units can be centrally controlled in 64 different groups. • Wiring restrictions (max. length: 1,000m, total wiring length: 2,000m, max. number of branches: 16) apply to each adaptor.
10-1	Mounting plate		KRP4A92	• Fixing plate for DTA109A51

- Note: 1. Installation box for ★ adaptor must be obtained locally.  
 2. For residential use only. Cannot be used with other centralised control equipment.  
 3. A wiring adaptor (KRP413AB1S) is also required for each indoor unit.

### Building Management System

No.	Item	Type	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.
		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			Hardware	iTM plus adaptor	DCM601A52	• Additional 64 groups (10 outdoor units) is possible. Max. 7 iTM plus adaptors can be connected to intelligent Touch Manager.
2-2		Option		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			Software	iTM energy navigator	DCM008A51	• Building energy consumption is visualised. Wasted air-conditioning energy can be found out.
2-4						
2-5	Di unit		DEC101A51	• 8 pairs based on a pair of ON/OFF input and abnormality input.		
2-6	Dio unit		DEC102A51	• 4 pairs based on a pair of ON/OFF input and abnormality input.		
3		*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	Communication interface	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		Home Automation Interface Adaptor	DTA116A51	• Use of the Modbus protocol enables the connection of the VRV system with a variety of home automation systems from other manufacturers.		
6	Contact/analogue signal	Unification adaptor for computerised control	★DCS302A52	• Interface between the central monitoring board and central control units.		

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

Daikin's air treatment systems creating a higher air quality environment

**Components of Indoor Air Quality**

Ventilation, Humidification, Air Processing\*

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

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<sup>★1</sup>, due to the greatly enhanced performance of the thin film element. Furthermore, improved external static pressure<sup>★2</sup> offers more flexibility for installation. The Heat Reclaim Ventilator VKM-GAM series units, equipped with a DX-coil and a humidifier, provide further advanced features, such as temperature adjustment to suit conditions indoors and to prevent cold air from blowing on people directly during heating operation. The series also realises significant energy savings by exercising heat recovery.

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

	Outdoor-Air Processing Unit	Heat Reclaim Ventilator		
		VKM-GAM Type	VKM-GA Type	VAM-GJ Type
Connections with VRV IV	Refrigerant Piping	Connectable	Connectable	Not connectable
	Wiring	Connectable	Connectable	Connectable
	After-cool & After-heat Control	Available	Available	Not available
Heat Exchange Element	—	Energy savings obtained		Energy savings obtained
Humidifier	—	Fitted	—	—
High Efficiency Filter	Option	Option		Option
Ventilation System	Air supply only	Air supply & air exhaust		Air supply & air exhaust
Power Supply	220-240 V, 50 Hz	220-240 V, 50 Hz		220-240 V/220 V, 50 Hz/60 Hz
Airflow Rate				150 m <sup>3</sup> /h
				250 m <sup>3</sup> /h
				350 m <sup>3</sup> /h
			500 m <sup>3</sup> /h	500 m <sup>3</sup> /h
				650 m <sup>3</sup> /h
			800 m <sup>3</sup> /h	800 m <sup>3</sup> /h
		1080 m <sup>3</sup> /h	1000 m <sup>3</sup> /h	1000 m <sup>3</sup> /h
		1680 m <sup>3</sup> /h		1500 m <sup>3</sup> /h
	2100 m <sup>3</sup> /h		2000 m <sup>3</sup> /h	

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

## Outdoor-Air Processing Unit

For outdoor units of 8 HP and above

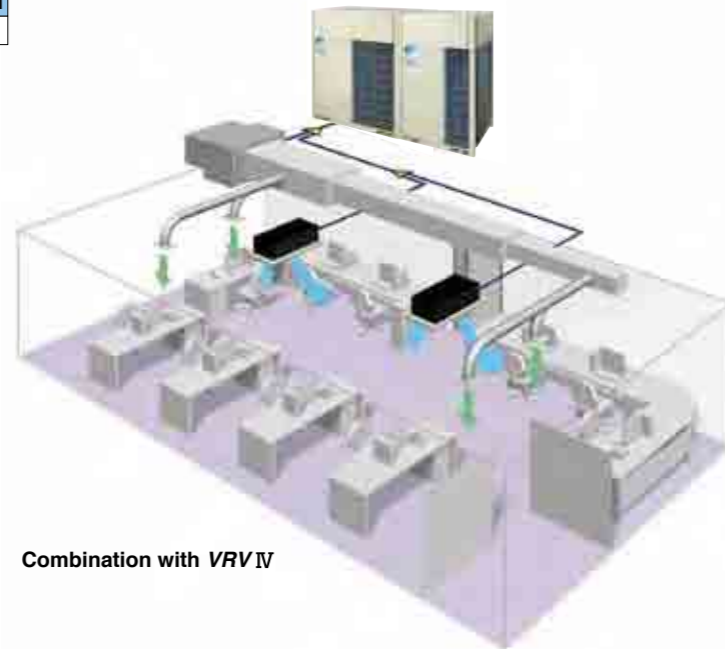
Combine fresh air treatment and air conditioning, supplied from a single system.

### Lineup

Model Name	FXMQ125MFV1	FXMQ200MFV1	FXMQ250MFV1
Capacity Index	125	200	250

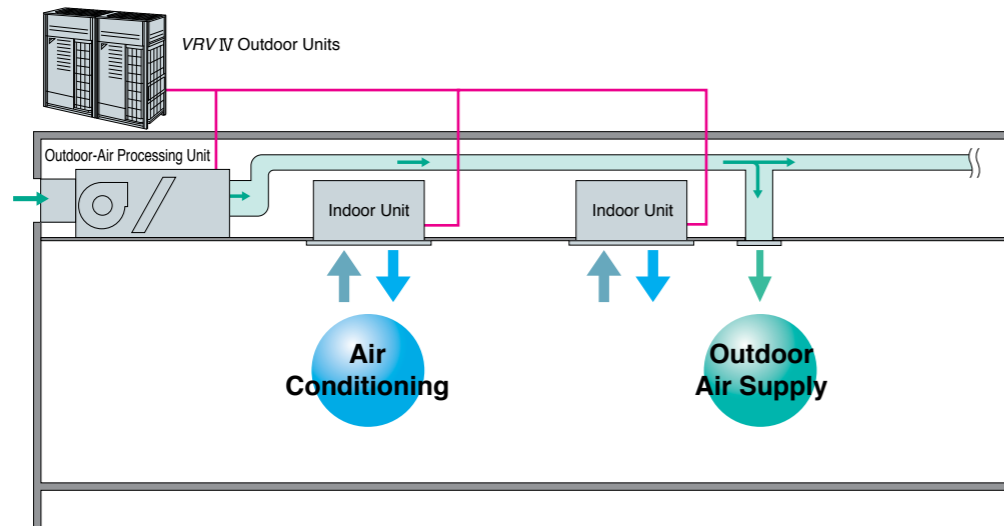


Fresh air treatment and air conditioning can be achieved with a single system by using heat pump technology—without the usual troublesome air supply and air discharge balance design. Fan coil units for air conditioning and an outdoor-air processing unit can be connected to the same refrigerant line.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

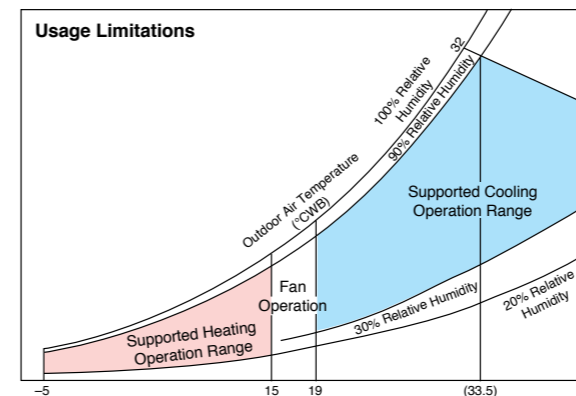
- When outdoor-air processing units are connected, the total connection capacity index must be 50% to 100% of the capacity index of the outdoor units.
- When outdoor-air processing units and standard indoor units are connected, the total connection capacity index of the outdoor-air processing units must 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 m <sup>3</sup> /h
FXMQ200MFV1	1,680 m <sup>3</sup> /h
FXMQ250MFV1	2,100 m <sup>3</sup> /h

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



### Notes:

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

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

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



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

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

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

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



DCS302CA61  
Central remote controller  
(option)

- It is not possible to change the discharge air temperature settings from the central control system.

- Do not associate this equipment into zones with standard indoor units, as central control will not be possible.

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

### Notes:

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

## STANDARD SPECIFICATIONS

### Indoor unit

Type		Ceiling Mounted Duct Type		
Model		FXMQ125MFV1	FXMQ200MFV1	FXMQ250MFV1
Power supply		1-phase 220-240 V (also required for indoor units), 50 Hz		
Cooling capacity *1	kcal/h	12,000	19,300	24,100
	Btu/h	47,800	76,400	95,500
	kW	14.0	22.4	28.0
Heating capacity *1	kcal/h	7,700	12,000	15,000
	Btu/h	30,400	47,400	59,400
	kW	8.9	13.9	17.4
Power consumption	kW	0.359	0.548	0.638
Casing		Galvanised steel plate		
Dimensions (HXWXD)		470X744X1,100		470X1,380X1,100
Fan	Motor output	kW		
	Airflow rate	m <sup>3</sup> /min		
	External static pressure	Pa		
	220 V/240 V	185/225	225/275	205/255
Air filter		*2		
Refrigerant piping	Liquid	mm		
	Gas	mm		
	Drain	mm		
Machine weight		kg		kg
Sound level *3		dB(A)		dB(A)
Connectable outdoor units *4 *5		8 HP and above		10 HP and above
Operation range (Fan mode operation between 15 and 19°C)	Cooling	19 to 43°C		
	Heating	-5 to 15°C		
Range of the discharge temperature *6	Cooling	13 to 25°C		
	Heating	18 to 30°C		

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

\*4. It is possible to connect to the outdoor unit if the total capacity of the indoor units is 50% to 100% of the capacity index of the outdoor units.  
 \*5. It is not possible to connect to the 8 HP outdoor unit.  
 \*6. Local setting mode. Not displayed on the remote controller.  
 • This equipment cannot be incorporated into the remote group control of the VRV system.

## OPTIONS

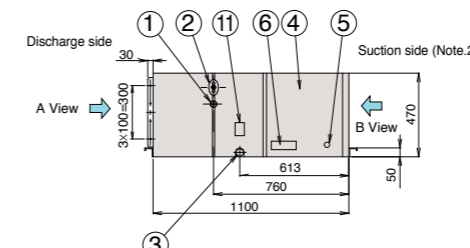
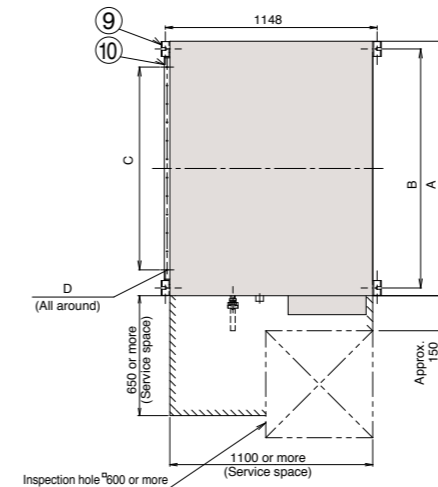
### Indoor unit

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

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

## DIMENSIONS

### FXMQ125/200/250MFV1



\*These diagrams are based on FXMQ200 and FXMQ250MFV1.

### Local connection piping size

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

### Table of dimensions

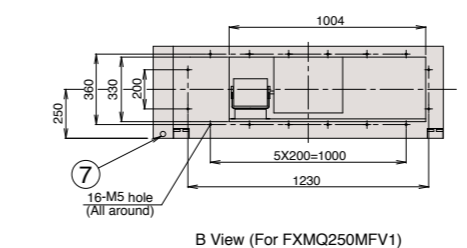
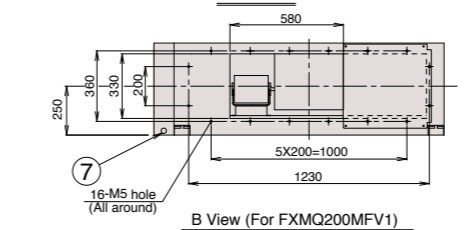
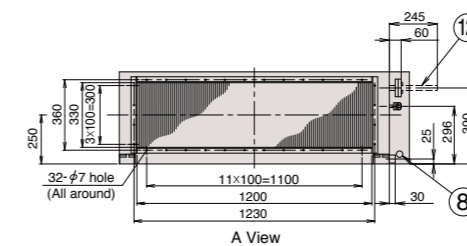
Model	A	B	C	D
FXMQ125MFV1	744	685	5X100=500	20-φ4.7 hole
FXMQ200MFV1	1380	1296	11X100=1100	32-φ4.7 hole
FXMQ250MFV1	1380	1296	11X100=1100	32-φ4.7 hole

### Notes:

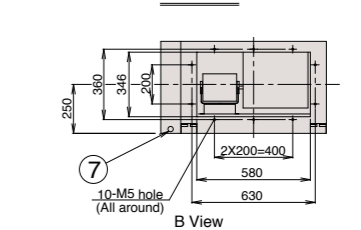
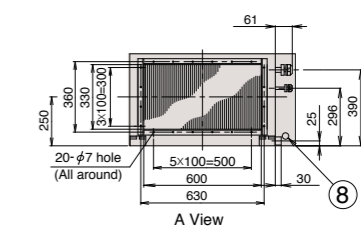
- The attached piping in the diagram is for FXMQ200MFV1 and FXMQ250MFV1 only. The gas piping connection port (② in the diagram) has a different bore form with FXMQ125MFV1.
- An air filter is not supplied with this unit. Be sure to mount an air filter in the suction side. [Use a filter with dust collection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

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

### FXMQ200/250MFV1



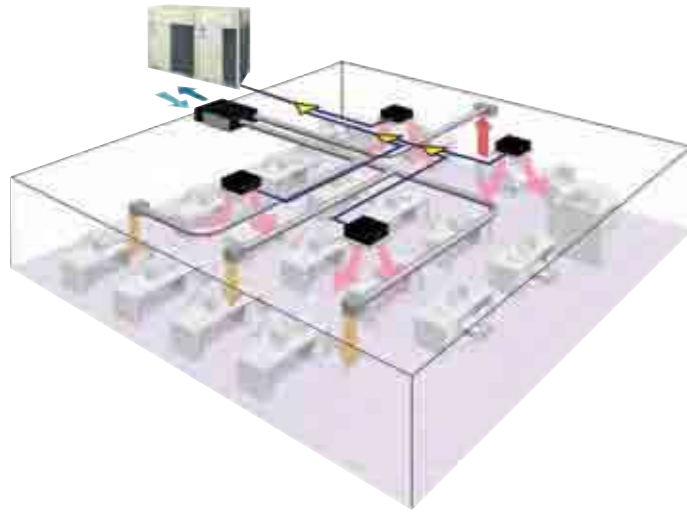
### FXMQ125MFV1





## 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.

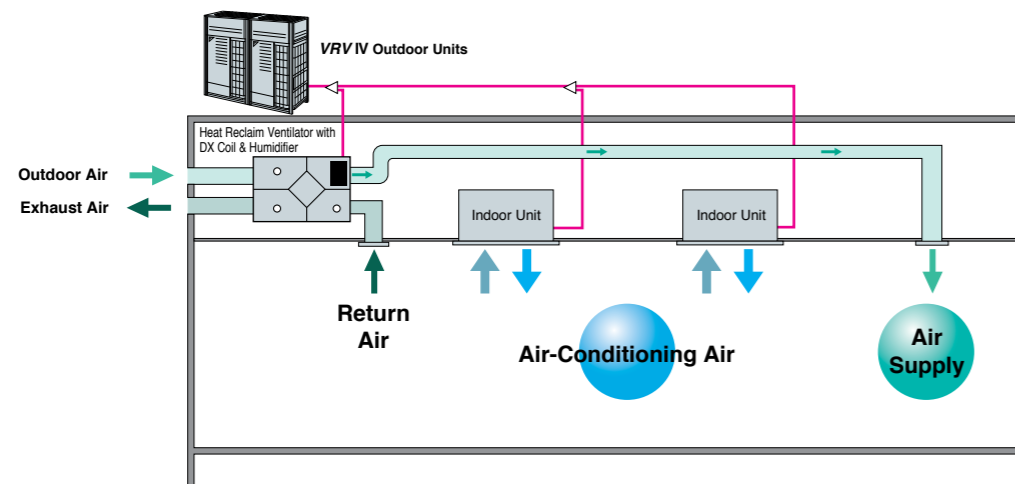
### High static pressure

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.

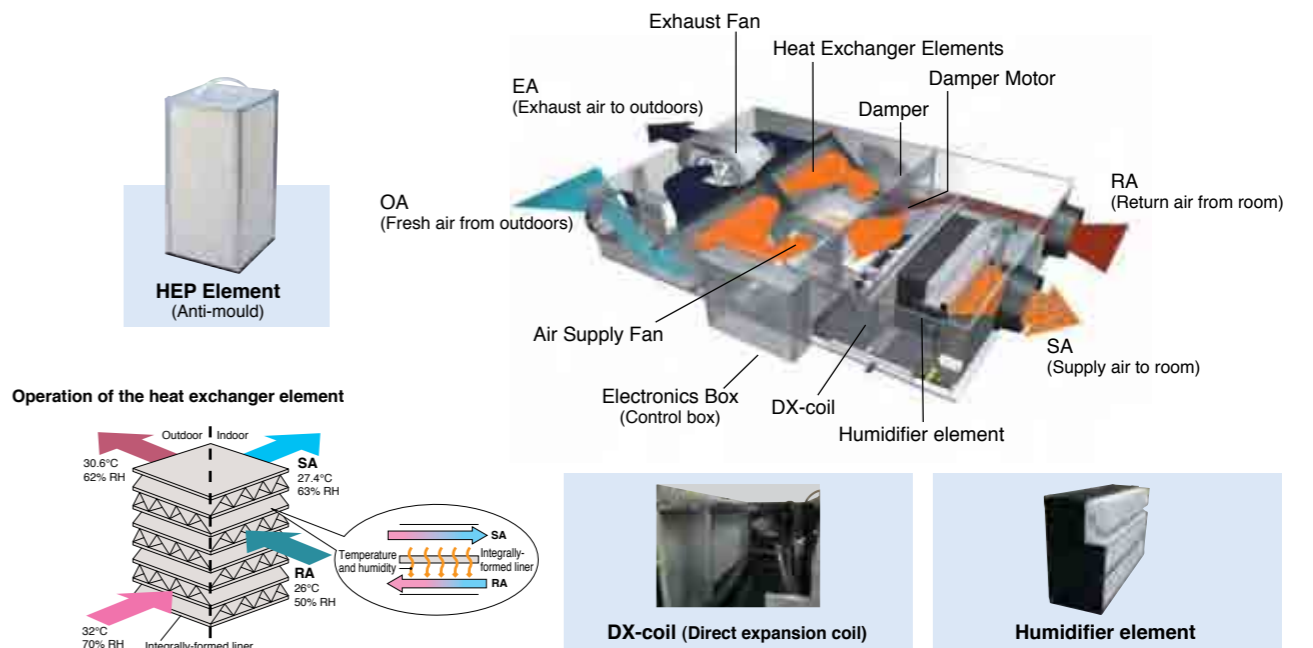


### Connection Conditions

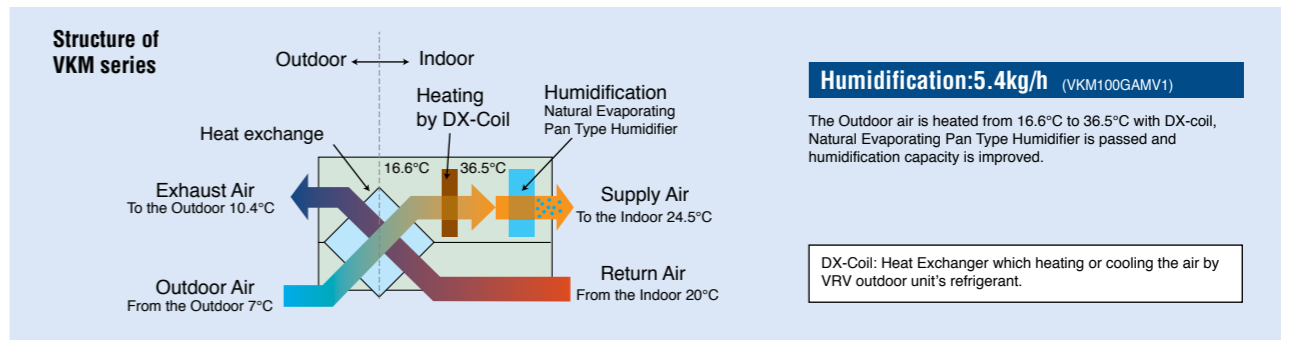
The following restrictions must be observed in order to maintain the indoor units connected to the same system.

- 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



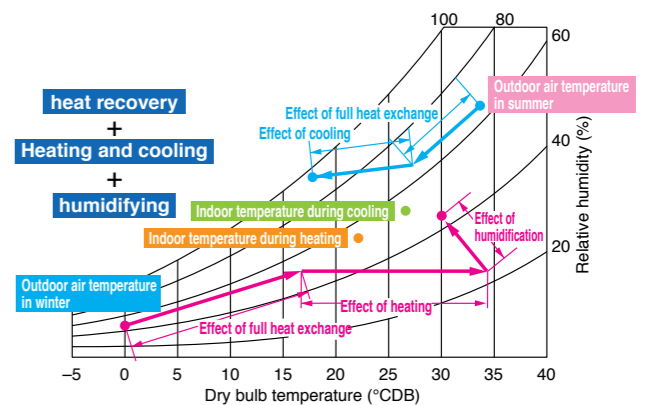
### Efficient outdoor air introduction with heat exchanger and cooling/heating operation

#### 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.



## SPECIFICATIONS

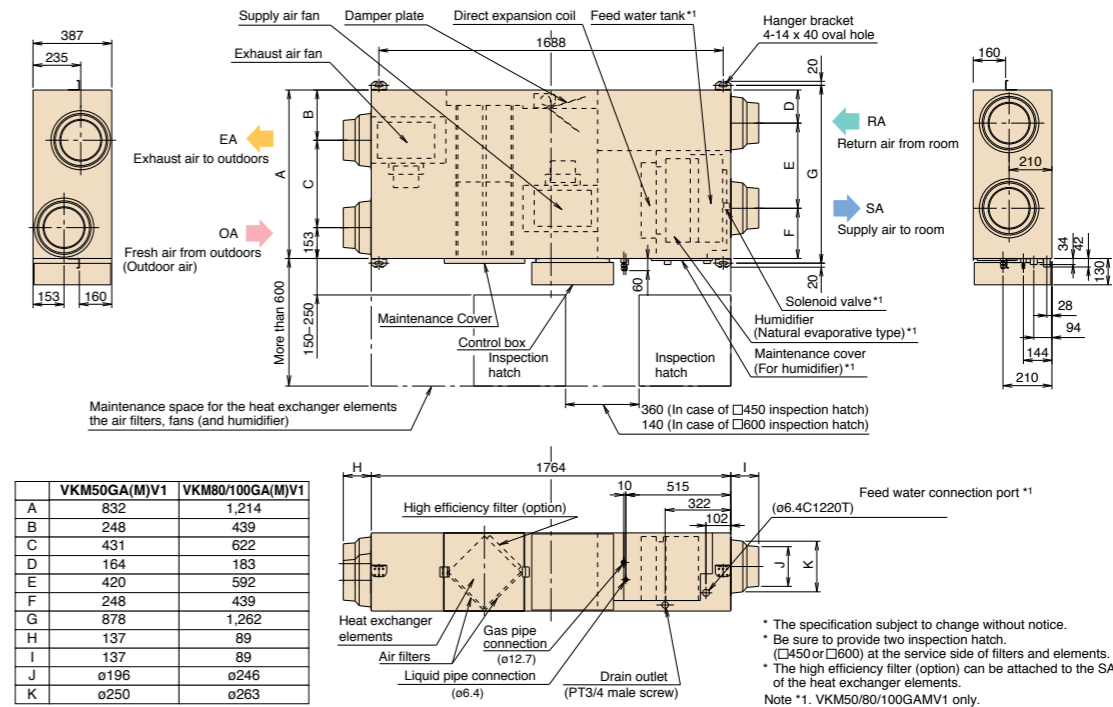
MODEL			VKM50GAMV1*	VKM80GAMV1*	VKM100GAMV1*	VKM50GAV1	VKM80GAV1	VKM100GAV1	
Refrigerant			R-410A						
Power Supply			1-phase, 220-240 V, 50 Hz						
Airflow Rate & Static Pressure (Note 7)	Ultra-high	Airflow rate	m <sup>3</sup> /h	500	750	950	500	750	950
		Static pressure	Pa	160	140	110	180	170	150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

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

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

## DIMENSIONS

### VKM50/80/100GA(M)V1



## OPTIONS

Item	Type	VKM50/80/100GA(M)V1
Remote controller		BRC1E62/BRC1C62 *1
	Residential central remote controller	DCS303A51 *2
	Central remote controller	DCS302CA61
	Unified ON/OFF controller	DCS301BA61
	Schedule timer	DST301BA61
Wiring adaptor for electrical appendices		KRP2A61
	For humidifier running ON signal output	KRP50-2
For wiring		BRP4A50
	Type (indoor unit of VRV)	FXFQ-S FXFQ-LU FXZQ-M FXUQ-A FXCQ-M FXKQ-MA FXDQ-PB FXDQ-NB FXMQ-P FXMQ-MA FXHQ-MA FXAQ-P FXLQ-MA FXNQ-MA FXVQ-M
Installation box for adaptor PCB*		KRP1C63* KRP1BA57* KRP1C67 KRP1B61* KRP1B61 KRP1B56* KRP1C64* KRP1B61 KRP1BA54 - KRP1B61 KRP1C67
		Notes 2, 3 KRP1H98 KRP1BA101 Note 4, 6 - Notes 2, 3 KRP1B96 - Notes 4, 6 KRP1BA101 Notes 2, 3 - 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 Necessary when operating a Heat Reclaim Ventilator (VKM) independently. When operating interlocked with other air conditioners, use the remote controllers of the air conditioners.  
\*2 For residential use only. When connected with a Heat Reclaim Ventilator (VKM), you can only switch the power ON/OFF. Cannot be used with other centralised control equipment.

Item	Type	VKM50GA(M)V1	VKM80GA(M)V1	VKM100GA(M)V1
Silencer		-	-	KDDM24B100
	Nominal pipe diameter	mm	-	φ 250 mm
	White	mm	K-DGL200B	K-DGL250B
Air suction/ Discharge grille	Nominal pipe diameter	mm	φ 200	φ 250
	High efficiency filter		KAF242H80M	KAF242H100M
Air filter for replacement		KAF241G80M	KAF241G100M	
Flexible duct (1 m)		K-FDS201D	K-FDS251D	
Flexible duct (2 m)		K-FDS202D	K-FDS252D	

## 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



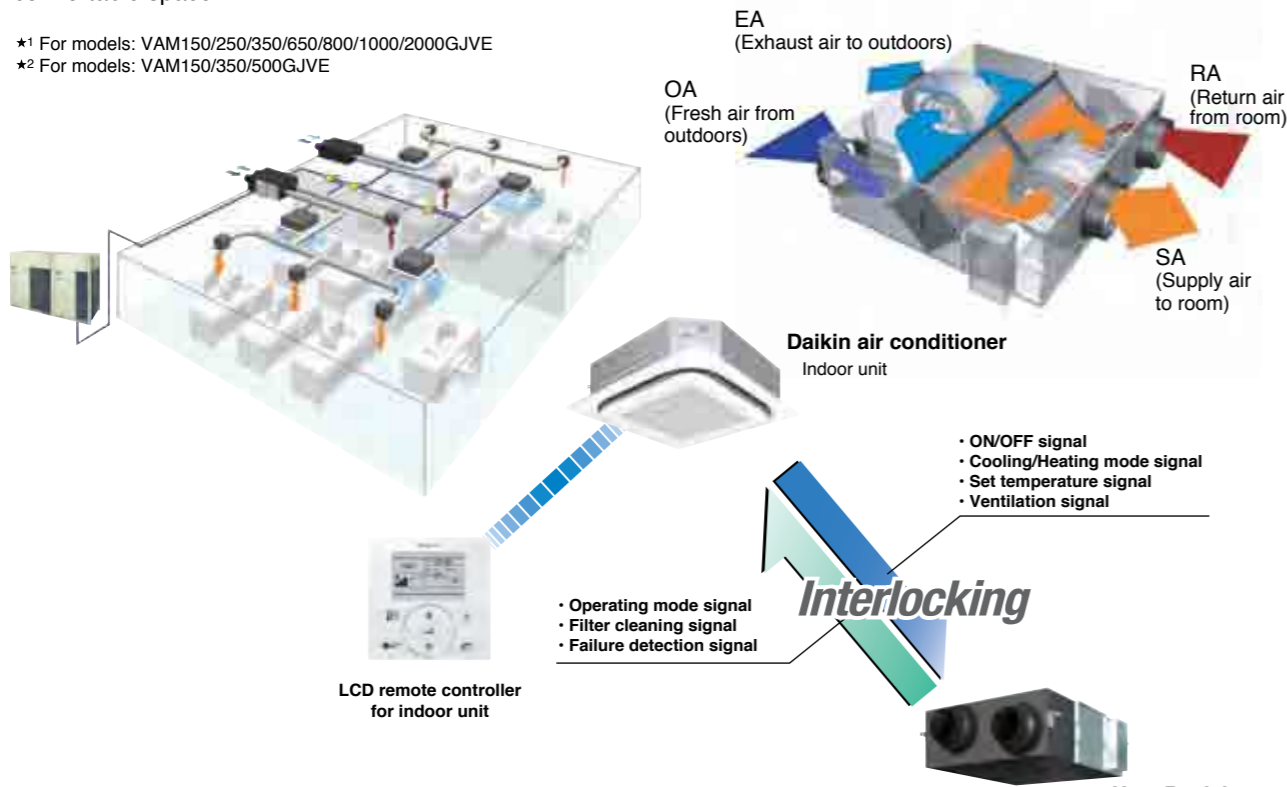
**Improved Enthalpy Efficiency\*<sup>1</sup>**  
**Higher External Static Pressure\*<sup>2</sup>**  
**Enhanced Energy Saving Functions**



Heat Reclaim Ventilator remote controller\* BRC301B61 (Option)  
 \* This remote controller is used in case of independent operation of Heat Reclaim Ventilator.

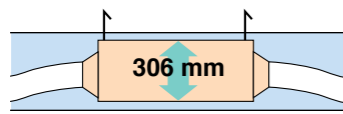
This VAM series provides higher enthalpy efficiency\*<sup>1</sup>, due to the greatly enhanced performance of the thin film element. Furthermore, improved external static pressure\*<sup>2</sup> offers more flexibility for installation. Along with these three outstanding improvements, the nighttime free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

\*<sup>1</sup> For models: VAM150/250/350/650/800/1000/2000GJVE  
 \*<sup>2</sup> 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.



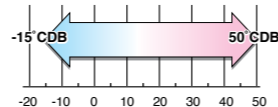
\* For VAM500GJVE

### 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%!

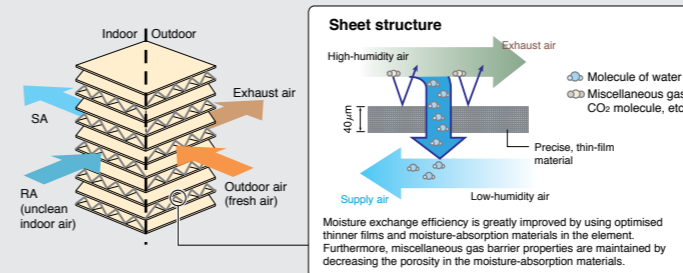
### Total heat exchange ventilation 23%

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) 6%

Due to the thinner film...  
 • Decreases the moisture resistance of the partition sheets drastically.  
 • Realises more space for extra layers in the element, resulting in increased effective area that supply and exhaust air can be exposed to.  
 Moisture absorption increased by approx. 10%!

Thickness of the partition sheet  
**40 μm**



### Auto-ventilation Mode Changeover Switching 2%

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

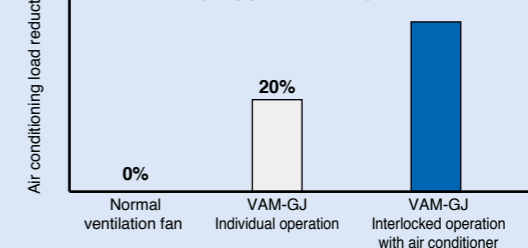
### Pre-cool, Pre-heat Control 2%

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

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

• The air conditioning load reduction values are based on the following conditions:  
 Application: Tokyo office building  
 Building form: 6 floors above ground, 2 floors underground, floor area 2,100 m<sup>2</sup>  
 Personnel density: 0.25 person/m<sup>2</sup>  
 Ventilation volume: 25 m<sup>3</sup>/h  
 Indoor air conditioning level: summer 25°C 50% RH, intermediate seasons 24°C 50% RH, winter 22°C 40% RH  
 Operating time: 2745 hours (9 hours per day, approx. 25 days per month)  
 Calculation method: simulation based on "MICRO-HASP/1982" of the Japan Building Mechanical and Electrical Engineers Association.

### Air Conditioning Load Reduced by Approximately 31%



## Nighttime free cooling operation\*<sup>1</sup>

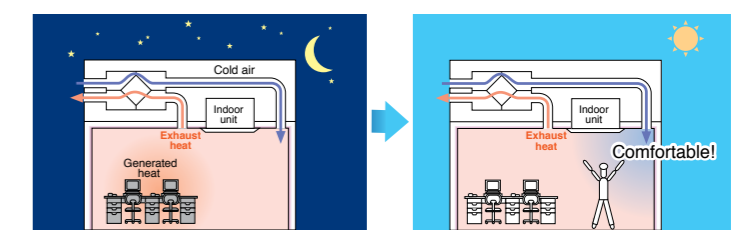
Nighttime free cooling operation is an energy-conserving function that works at night when air conditioners are off. By ventilating rooms containing office equipment that raises the room temperature, nighttime free cooling operation reduces the cooling load when air conditioners are turned on in the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

\*<sup>1</sup> This function can be operated only when interlocked with air conditioners.  
 \*<sup>2</sup> 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%!<sup>2</sup>

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



\* Interlocked operation with an air conditioner

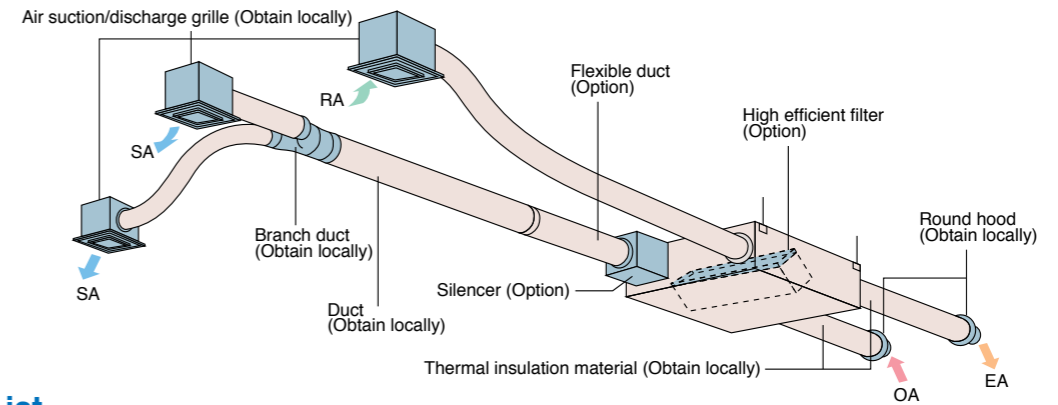
## SPECIFICATIONS

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

- Notes:
1. Sound level is measured at 1.5m below the centre of the body.
  2. Airflow rate can be changed over to Low mode or High mode.
  3. Sound level is measured in an anechoic chamber. Sound level generally becomes greater than this value depending on the operating conditions, reflected sound, and peripheral noise.
  4. The sound level at the air discharge port is about 8 dB(A) higher than the unit's sound level.
  5. The specifications, designs and information given here are subject to change without notice.
  6. Temperature Exchange Efficiency is the mean value between cooling and heating.
  7. Efficiency is measured under the following conditions: Ratio of rated external static pressure has been maintained as follows: outdoor side to indoor side = 7 to 1.
  8. In conformance with JIS standards (JIS B 8628), operating sound level is based on the value when one unit is operated, with the value converted for an anechoic chamber. This 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.
  9. Sound level from the discharge port causes the value to be approximately 8 dB(A) (models with the airflow rate of less than 150 to 500m³/h) to approximately 11 dB(A) (models with the airflow rate of 650m³/h or more) greater than the indicated value. Furthermore, fan rotation and noise from the discharge grille may increase depending on the on-site duct resistance conditions. Please consider noise countermeasures when installing the unit.

10. With large models in particular (1500 and 2000m³/h models), if the supply air (SA) grille is installed near the main unit, the noise of the main unit may be heard from the discharge grille via the duct, and this will result in a marked increase in noise. In such cases, if peripheral effects are included (such as reverberation of the floor and walls, combination with other equipment, and background noise), sound level may be as much as 15 dB(A) higher than the indicated value. When installing a large model, please provide as much separation as possible between the main unit and the discharge grille. If the equipment and discharge grille are near each other, please consider countermeasures such as the following:
  - Use a sound-muffling box, flexible duct and sound-muffling air supply/discharge grilles
  - Decentralised installation of discharge grilles
11. When installing in a location with particularly low background noise such as a classroom, please consider the following measures to avoid transmission sound from the main unit:
  - Use of ceiling materials with high sound insulating properties (high transmission loss)
  - Methods of blocking sound transmission, for example, by adding sound insulating materials around the bottom of the sound source.
 Alternatively, consider supplementary methods such as installing the equipment in a different location (corridor, etc.)

## OPTIONS



### Option List

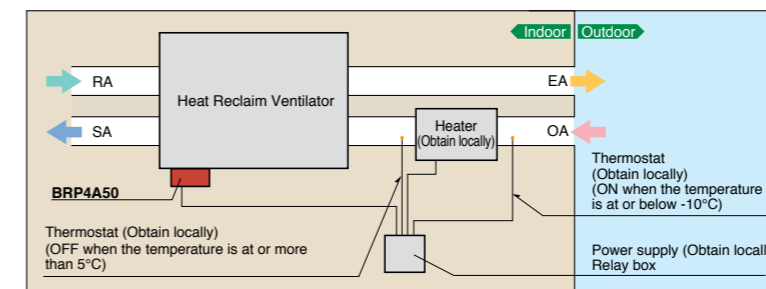
Item	Type	VAM150 · 250 · 350 · 500 · 650 · 800 · 1000 · 1500 · 2000 GJVE														
Controlling device	Heat Reclaim Ventilator remote controller	BRC301B61														
	Centralised controlling device	Residential central remote controller	DCS303A51 *1													
		Central remote controller	DCS302CA61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

- Notes:
1. Installation box \* is necessary for each adaptor marked \*.
  2. Up to 2 adaptors can be fixed for each installation box.
  3. Only one installation box can be installed for each indoor unit.
  4. Up to 2 installation boxes can be installed for each indoor unit.
  5. Installation box \* is necessary for second adaptor.
  6. Installation box \* is necessary for each adaptor.
  7. \*1 For residential use only. When connected with a Heat Reclaim Ventilator (VAM), you can only switch the power ON/OFF. Cannot be used with other centralised control equipment.

Item	Type	VAM150GJVE	VAM250GJVE	VAM350GJVE	VAM500GJVE	VAM650GJVE	VAM800GJVE	VAM1000GJVE	VAM1500GJVE	VAM2000GJVE	
Additional function	Silencer	—				KDDM24B50		KDDM24B100		KDDM24B100×2	
		Nominal pipe diameter mm φ 200									
	High efficiency filter	KAF242H25M		KAF242H50M		KAF242H65M		KAF242H80M	KAF242H100M	KAF242H80MX2	KAF242H100MX2
Air filter for replacement	KAF241G25M		KAF241G50M		KAF241G65M		KAF241G80M	KAF241G100M	KAF241G80MX2	KAF241G100MX2	
Flexible duct (1 m)	K-FDS101D	K-FDS151D	K-FDS201D			K-FDS251D					
Flexible duct (2 m)	K-FDS102D	K-FDS152D	K-FDS202D			K-FDS252D					
Duct adaptor	Nominal pipe diameter mm	—									YDFA25A1
		φ 250									

### PC board adaptor for heater control kit (BRP4A50)

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



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

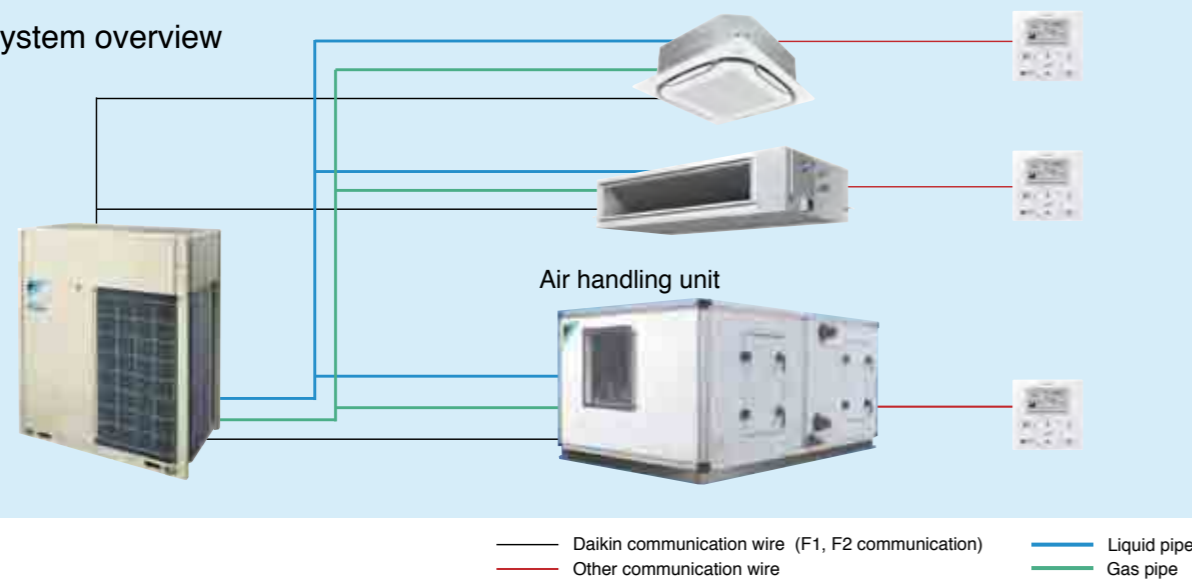
## Air Handling Unit

**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

### System overview



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

