

Note:

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

For any enquiry, either call the numbers mentioned below or contact your nearest Daikin dealer.



WORLD'S LEADING AIR CONDITIONING COMPANY FROM JAPAN

PRESENTING THE NEW



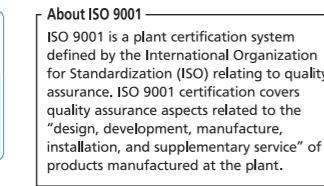
Heat Pump | Cooling Only

Cautions on product corrosion

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



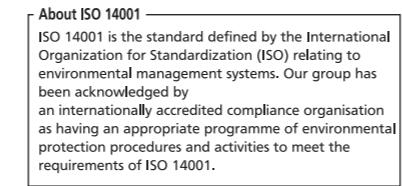
JMI-0107



JQA-1452



EC99J2044



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

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CUSTOMER CONTACT CENTRE:
011-40319300, 1860-180-3900
customerservice@daikinindia.com

SALES & SERVICE OFFICES

Ahmedabad-Tel: 079-40013100
Bengaluru-Tel: 080-25722337/25722338
Bhubaneswar-Tel: 0674-2554677
Chandigarh-Tel: 0172-4947200/30
Chennai-Tel: 044-40807676
Cochin-Tel: 0484-4038646
Delhi-Tel: 011-43834400/5500
Ghaziabad-Tel: 0120-4205851
Indore-Tel: 0731-4005864
Jaipur-Tel: 0141-2218903/04/05/06

Karnal-Tel: 0184-4006855
Kolkata-Tel: 033-40608019/40659544
Lucknow-Tel: 0522-4309858/59/60
Ludhiana-Tel: 0161-5011122 Mumbai-Tel: 022-62321666
Patna-Tel: 0612-2582282
Pune-Tel: 020-25560300
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Secunderabad-Tel: 040-49134283
Vijayawada-Tel: 0866-295222624

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High Energy Efficiency



Superior Cooling



Weatherproof Performance



Powerful Expandable Solution



AI Solutions for Smart Maintenance

X

W

D

Z



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Driven by intelligent innovation, VRV Alpha delivers reliable performance with unmatched efficiency. This quiet dominance gives every space the confidence of lasting comfort while contributing to a smarter, sustainable future.



What Daikin Stands For



The world leader in air conditioning

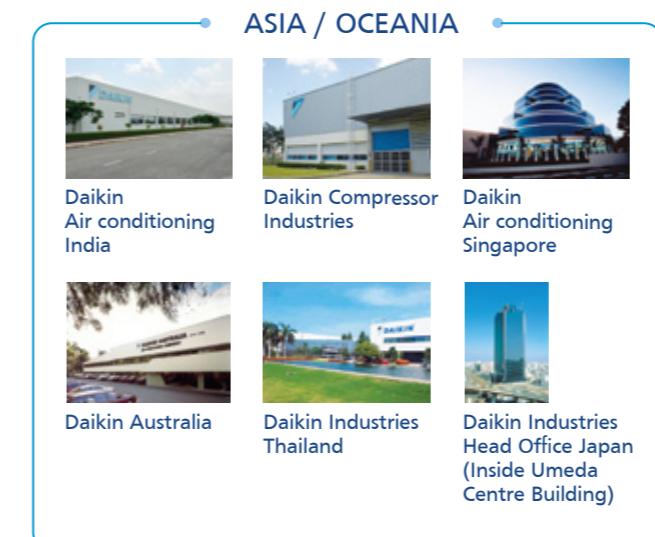
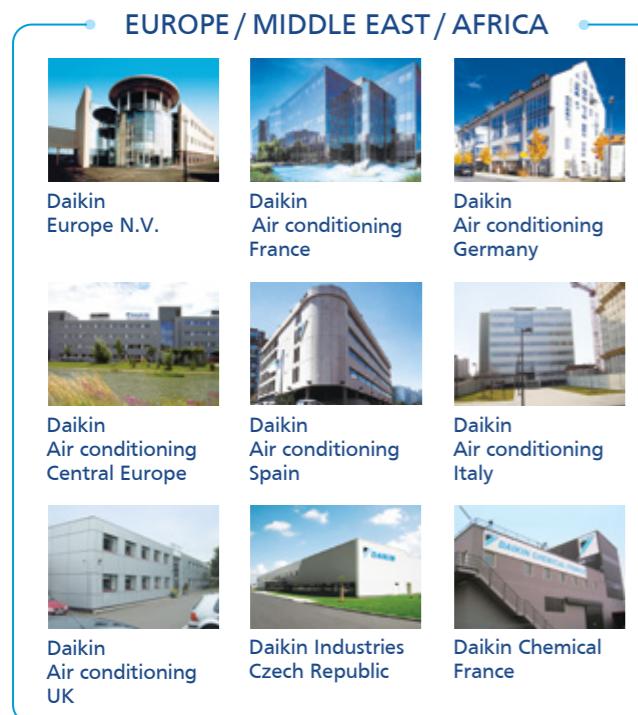
At Daikin, we are a leading innovator and provider of advanced, high-quality air conditioning solutions for residential, commercial and industrial applications.

As the world's leading air conditioning company, we are committed to deliver air conditioning solutions that enhance the quality of life all around the world.

Established in 1924, Daikin Industries Ltd., is a diverse multinational company, active in air conditioning, chemicals and oil hydraulics. With headquarters at Osaka, Japan, our Daikin family has more than 1,03,544 members, working across 133 production bases and 350 consolidated subsidiaries worldwide.

As the world's sole manufacturer that develops a long line of products from refrigerants to air conditioners, we advocate comfortable living on the strength of advanced technologies.

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



Exploring new R&D frontiers

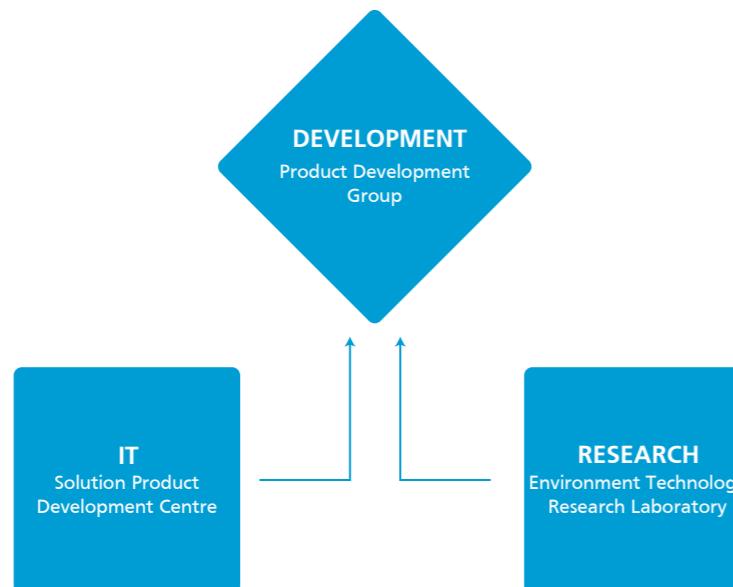


At Daikin, we are creating value through innovative technologies. As a global industry front-runner, we are carrying out research and development on the world's most advanced air conditioning technology. Our strong R&D edge has helped us create futuristic products that enrich people's lives. As symbolised by the VRV, Daikin has put forth a multitude of products and varied technology that have always been and continue to be, at the forefront of innovation.

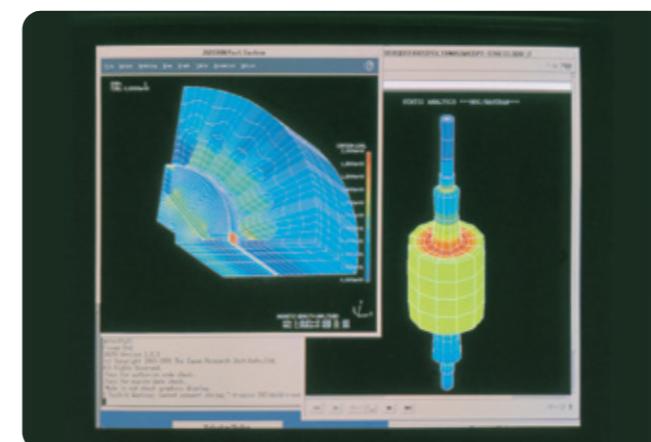
To be able to offer such products and services that delight and astound our customers, we have constructed an advanced R&D architecture.



Formation of a three-division system of research, IT and development to support our superior products. To create more advanced functions and new value, we have instituted specialised R&D divisions: the 'Environmental Technology Research Laboratory' and the 'Solution Product Development Centre'. In combination with the product development group, each of the three divisions work in close co-operation to precisely ascertain the customers' needs and to enable commercialisation of products, incorporating advanced technology that take the lead over our competitors.



Environmental Technology Research Laboratory:
Intensive Research on Environmentally Conscious, Energy Saving Air Conditioning Technology. Accelerating globalisation of our air conditioning business and varied needs of customers across geographies are increasing our research challenges. We have established a research laboratory devoted to the two fields of 'air conditioning' and 'the environment'. With our mission to promote energy savings in air conditioners, we are engaged in R&D on cutting-edge technologies. Our aim is to create futuristic products from fundamental research on motor inverters and other areas to support individual product development. Going forward, we will elevate our technology edge to achieve further business expansion globally.



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



Technology & Innovation Centre, Japan:
Aiming for new value creation as a core base for technology development.



Research & Development Centre, India:
Reiterating to its commitment to Indian market, Daikin India R&D is dedicated to provide customised solutions to its customers.



Significant improvement in total performance

6 class - 78 class
(16.8 kW) (220 kW)



Next Generation VRV system

Offers a wide variety of new functions that benefit everyone involved.

VRV α series enables cooling and heating operation with a single VRV system.

VRV α series adopt a new casing to realise a single module of up to 26 class. In addition, the new models have achieved significant energy savings with improved technology. The operating performance has been improved in all directions by introducing unique ideas, technologies and a wide variety of functions to strengthen design flexibility, easy installation and reliability.

We provide higher benefits to various users related to air conditioning systems, for example, building owners, consultants, installers and even building management.



New Casing



Offers advanced design and new structure with excellent workability.
The larger single module casing reduces installation space.



ODU Combination- Heat Pump

System capacity			Units	M				L				XL			
ODU HP	Cooling(KW)	Heating(KW)		6	8	10	12	14	16	18	20	22	24	26	
6	16	18	Single	1											
8	22.4	25			1										
10	28	31.5				1									
12	33.5	37.5					1								
14	40	45						1							
16	45	50							1						
18	50	56								1					
20	56	63									1				
22	61.5	69										1			
24	67	73											1		
26	73	73												1	1
28	78.5	87.5	Double					1		1					
30	83.5	93.5							1						
32	89.5	100							1						
34	95	106								1					
36	100	110									1				
38	106	110										1			
40	112	126											1		
42	118	123												1	
44	123	136													1
46	129	136													1
48	134	142													2
50	140	146	Triple												
52	146	146													2
54	151	160													1
56	156	167													1
58	162	173													1
60	167	183													1
62	173	183													1
64	179	183													2
66	185	199													1
68	191	196													2
70	196	209													1
72	202	209													1
74	207	215													2
76	213	219													1
78	219	219													3

ODU Combination- Cooling Only

System capacity		Units	M				L				XL			
ODU HP	Cooling(KW)		6	8	10	12	14	16	18	20	22	24	26	
6	16	1												
8	22.4	1												
10	28	1												
12	33.5	1												
14	40	1												
16	45	1												
18	50	1												
20	56	1												
22	61.5	1												
24	67	1												
26	73	1												
28	80	2												
30	83.5	1												
32	90	1												
34	95	1												
36	100	1												
38	107	1												
40	113	1												
42	117	1												
44	123	1												
46	129	1												
48	134	1												
50	140	1												
52	146	1												
54	150	3												
56	156	1												
58	163	1												
60	167	2												
62	173	2												
64	179	1												
66	184	1												
68	190	1												
70	196	1												
72	201	3												
74	207	2												
76	213	1												
78	219	1												



New Casing

VRV α TM

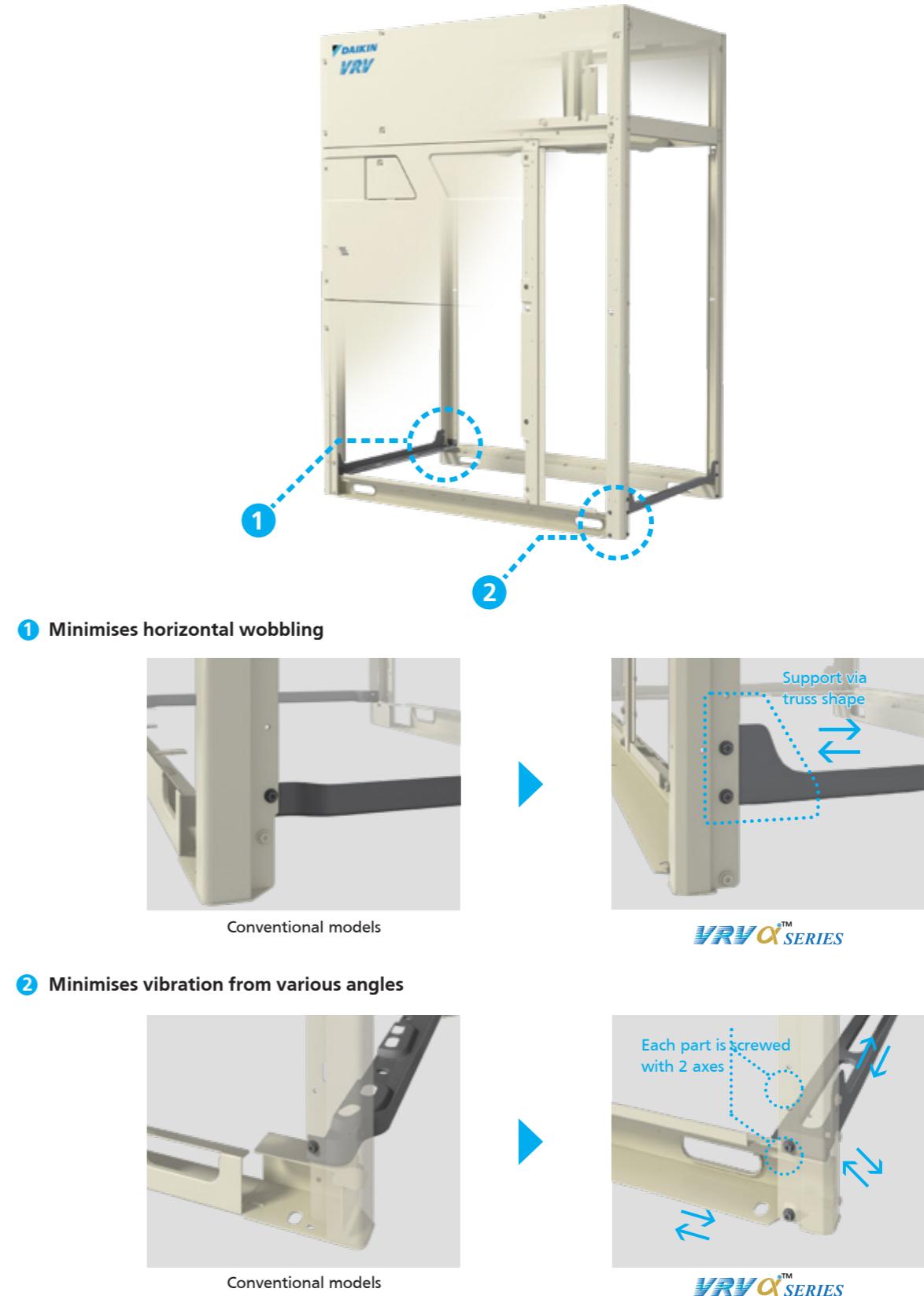
Large-capacity single module

Single module reduces installation space



New reinforced design

The frame structure has been strengthened to improve resistance to earthquakes and wind while protecting against falling damage.



Energy Savings

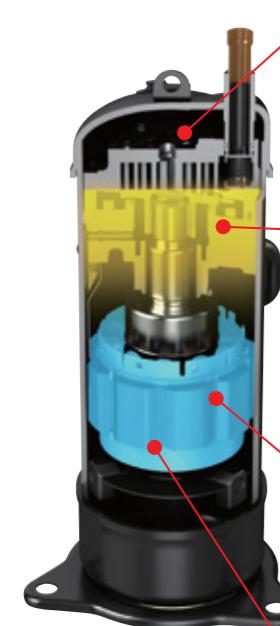


High ISEER

Energy savings during actual operation have been further improved by the evolution of software and hardware technologies.

Hardware technology High Efficiency Compressor

New technologies increase seasonal energy efficiency and enable a compact design.



Improvement of the discharge port

By improving the shape of the refrigerant discharge port, the pressure increase near the discharge port of the gas refrigerant after compression is suppressed and the compression loss is reduced.

Optimising the back pressure control / New oil control function

In addition to the conventional intermediate pressure adjustment port, the pressing pressure of the orbiting scroll during operation has been optimised, and the newly adopted oil control mechanism has reduced gas leakage and mechanical loss.

Adoption of a high-performance concentrated motor

The coil circumference is greatly reduced, which makes the coil denser and thicker, and the electrical resistance of the coil is dramatically reduced to improve motor efficiency. Furthermore, the motor is light-weighted and downsized.

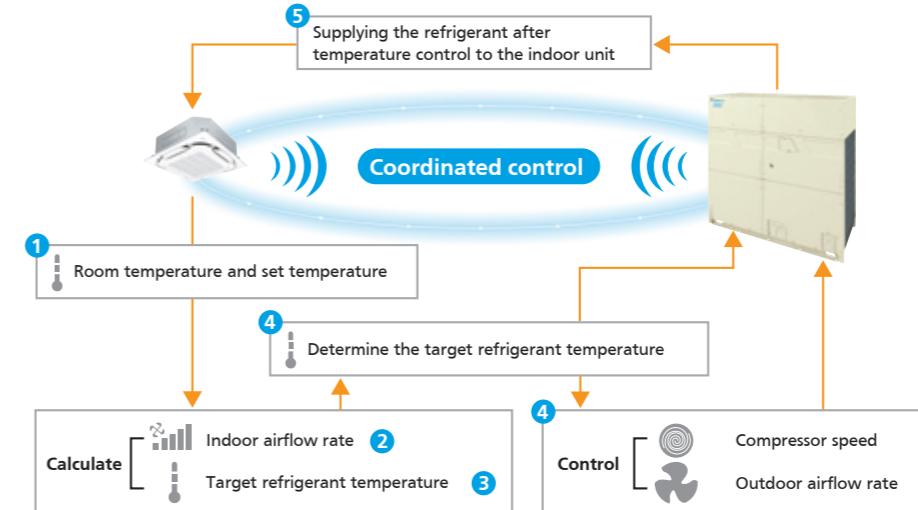
Improved partial load performance and higher ISEER

The introduction of **new 8-pole motors with 12-slot designs**, featuring concentrated windings, helps reduce vibration, noise and provides better part-load efficiency with increased ISEER.

Software technology VRT Smart II control

Further improvement of energy savings is achieved due to optimal control of the outdoor airflow rate.

Optimal supply exactly meets the required capacity of indoor units

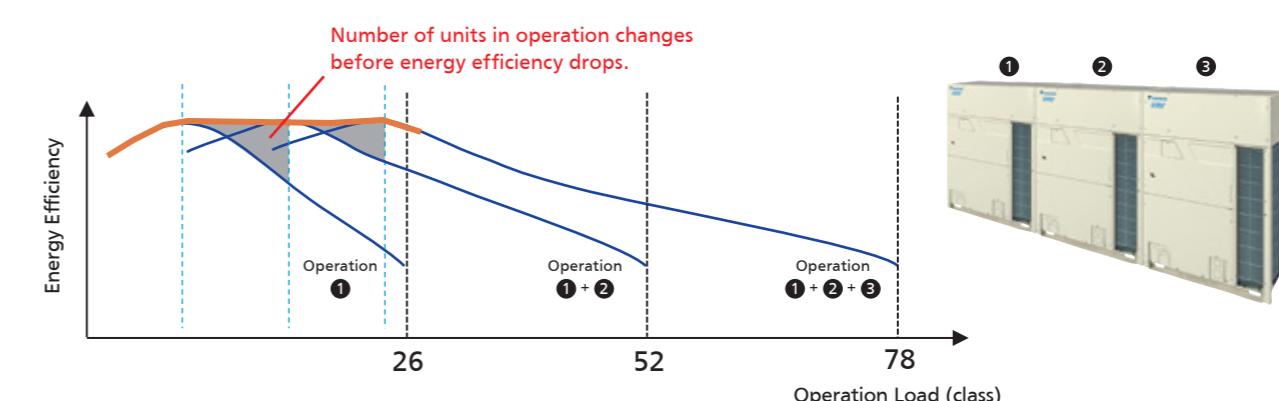


- 1 Indoor unit will calculate capacity needed based on ΔT (Room temperature vs set temperature) and room temperature trend.
- 2 Indoor unit will try to regulate with fan speed control.
- 3 If fan cannot control speed, indoor unit request T_e change from outdoor unit.
- 4 Outdoor unit determines the refrigerant temperature based on the demands, and controls the compressor speed and outdoor airflow rate to change the refrigerant temperature.
- 5 The outdoor unit supplies the refrigerant adjusted to moderate temperature to the indoor unit.

Optimal operating unit in multi-system

- In outdoor multi-systems, the number of units operated is automatically controlled to ensure the best total efficiency according to the air-conditioning load.
- As the operating efficiency at low loads has been dramatically improved, the system controls each unit automatically in order to maintain operation at a lower load, operating at the highest possible efficiency.

■ Overview of multi-unit control for triple units (78 class)

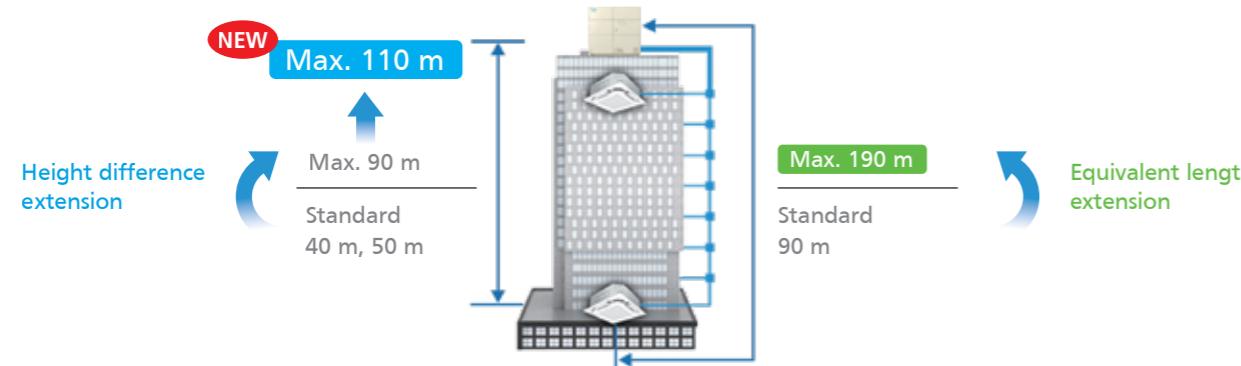


Design Flexibility



Simultaneous extension of height difference and equivalent length

Design flexibility is further improved by simultaneous extension of height difference, improved from 90 m to 110 m, and equivalent length (up to 190 m).



• Height difference extension Max. 110 m

For height differences exceeding 50 m with the outdoor unit above the indoor unit and 40 m with the outdoor unit below, the main liquid piping size must be increased.

The minimum connection capacity index of the indoor unit shall be 63 or more (Outdoor units above indoor units only).

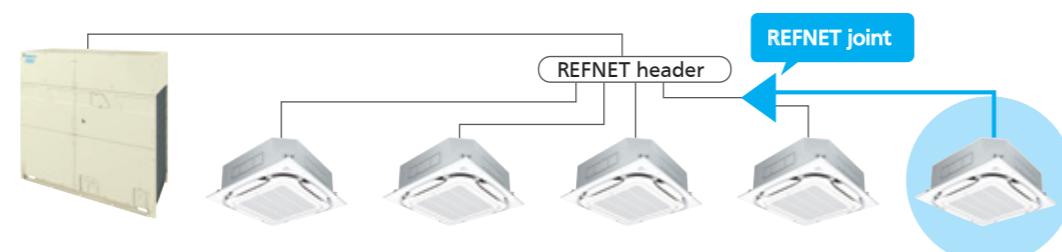
• Equivalent length Max. 190 m

When the equivalent piping length from outdoor unit to indoor unit is 90 m or more, be sure to increase the size of the liquid and gas pipes of the main piping.

* In addition to increasing the size of the main pipe, there are other piping restrictions regarding height difference extension and equivalent length. Check the Installation Manual for details.

REFNET header downstream branching supported

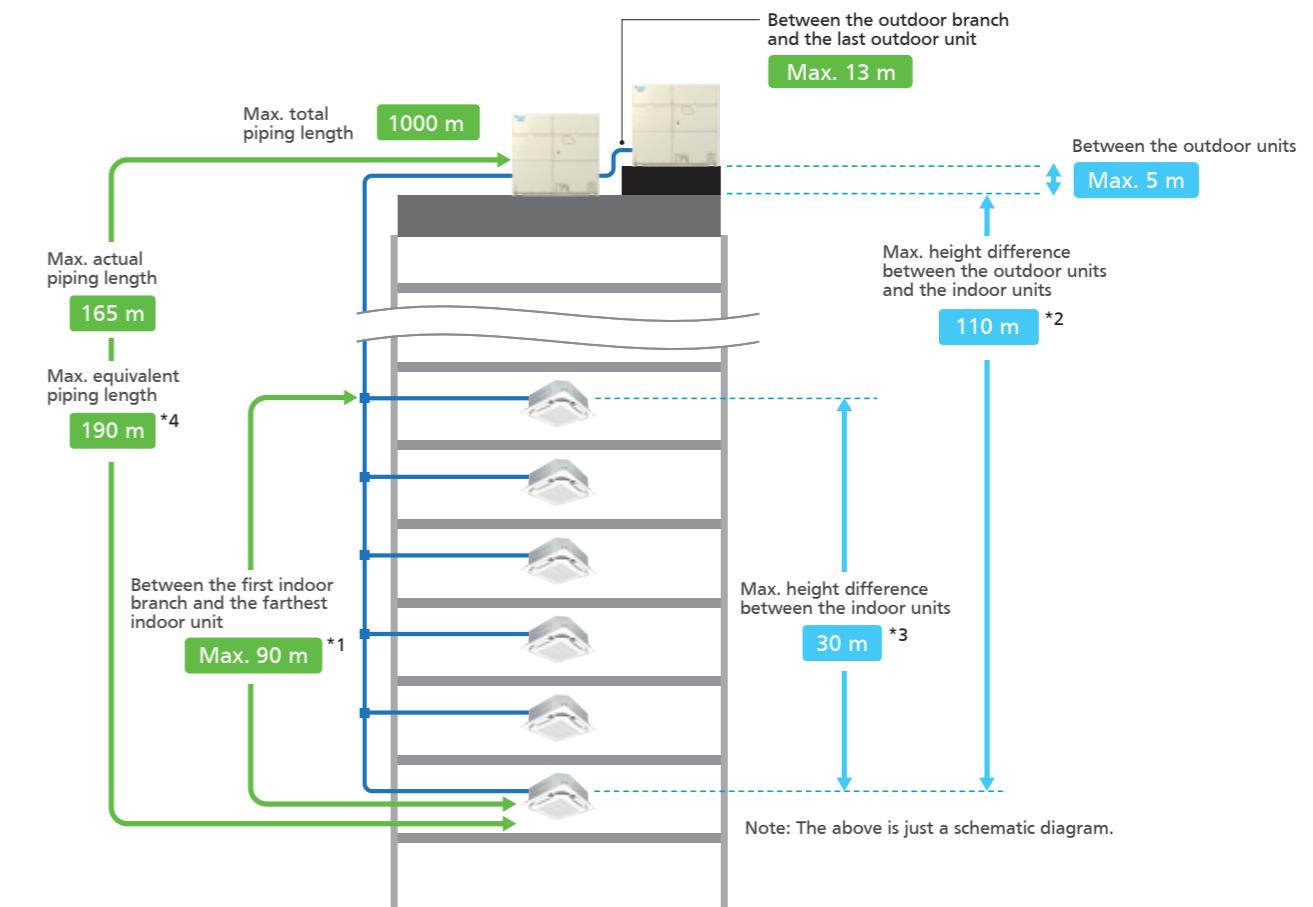
Piping branch by REFNET joint is possible downstream of REFNET header. The indoor unit arrangement can be more flexible.



REFNET header	Indoor unit total capacity at REFNET joint
KHRP26M22H, KHRP26M33H, KHRP26M72H	< 50
KHRP26M73H + KHRP26M73HP	≤ 140

Long piping length

Long piping length enhances design flexibility, enabling support for large buildings



Note: The above is just a schematic diagram.

Actual piping length (Equivalent)	165 m (190 m) ^{*4}
Total piping length	1000 m
Between the first indoor branch and the farthest indoor unit	90 m ^{*1}
Between the outdoor branch and the last outdoor unit (Equivalent)	10 m (13 m)
Between the outdoor units (Multiple use)	5 m
Between the indoor units	30 m ^{*3}
Between the outdoor units and the indoor units	110 m ^{*2}

*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 Height differences above 50 m if the outdoor unit is above the indoor unit and 40 m if the outdoor unit is below the indoor unit, a dedicated setting on the outdoor unit is required. Refer to the Engineering Data Book and contact your local dealer for more information.

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

*4. If equivalent piping length from outdoor unit to indoor unit is 90 m or more, make sure to size up the liquid and gas pipes of the main piping.

Design Flexibility

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	Indoor units			Other VRV indoor unit models*1
	FXDQ	FXMQ-PB	FXAQ, Models	
Single outdoor units	6~20 HP 22~24 HP 26 HP	200%		200% 180% 160% 160%
Double outdoor units				130%
Triple outdoor units				

*1 For the FXFQ25 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 no. 75 for outdoor unit combination details.

Easy Installation

Improved refrigerant piping workability

By dividing piping and wiring holes to the left and right, piping and wiring work can be easily performed on site.



Work becomes easier with sufficient space

Process visualization (Test run only*)

In the new models, in addition to the actual step (t01 to t10), a progress rate (0% to 99%) is available as a guideline when making arrangements for on-site work.

* Effective when test run is carried out independently after manual refrigerant charging.



Electrical component service window

An electrical component service window is newly installed on the front panel. Main PCB 7-segment LED can be accessed without removing the front panel.

Workability is greatly improved during on-site setting or test run. You can also quickly check the error code during service.

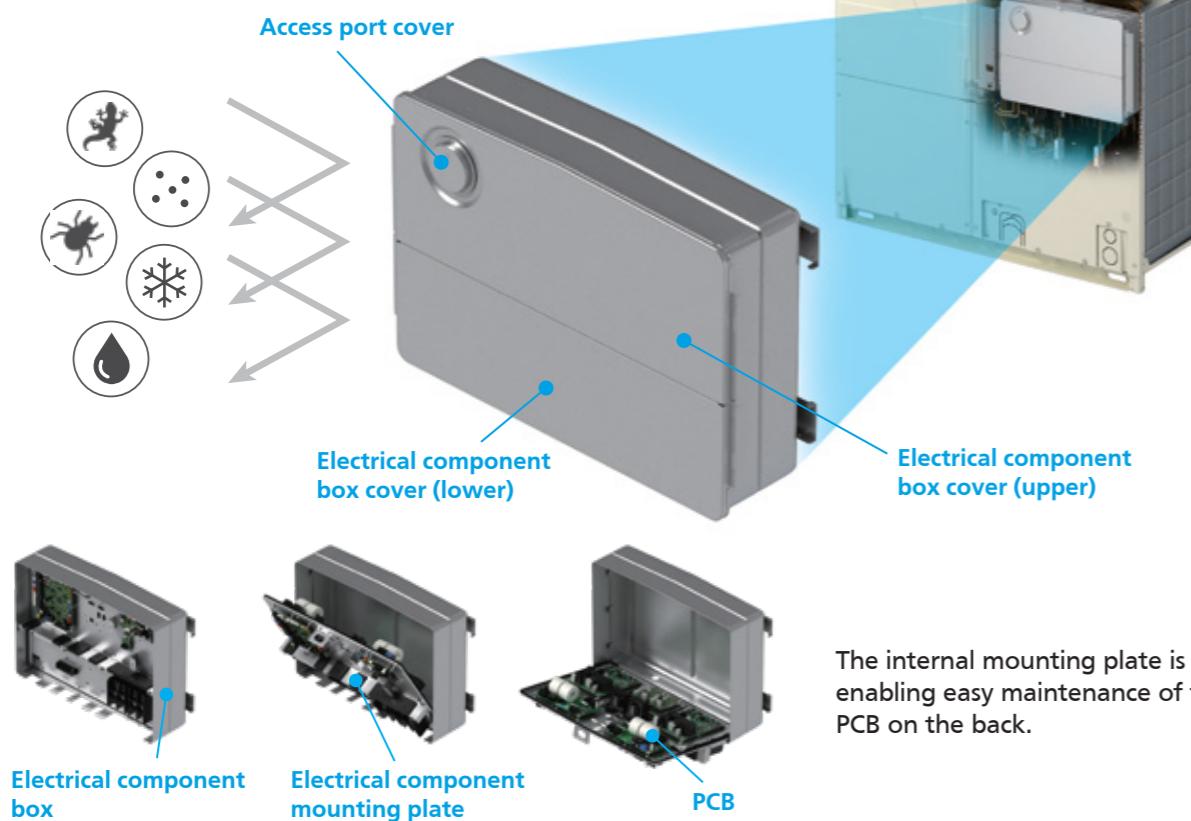


Reliability & Comfort



IP55-compliant sealed component box

IP55 sealed component box protects electrical component from a cause of failure, that is the ingress of debris (lizards, bugs, sand, water, snow).



The internal mounting plate is hinged, enabling easy maintenance of the PCB on the back.

What is IP55?

IP55 is the degrees of dust and water protection for the electrical component box equipped on the product.

IP55

Liquid ingress protection **Grade 5**

Water projected by a nozzle (6.3 mm) against enclosure from any direction shall have no harmful effects.

Solid particle protection **Grade 5**

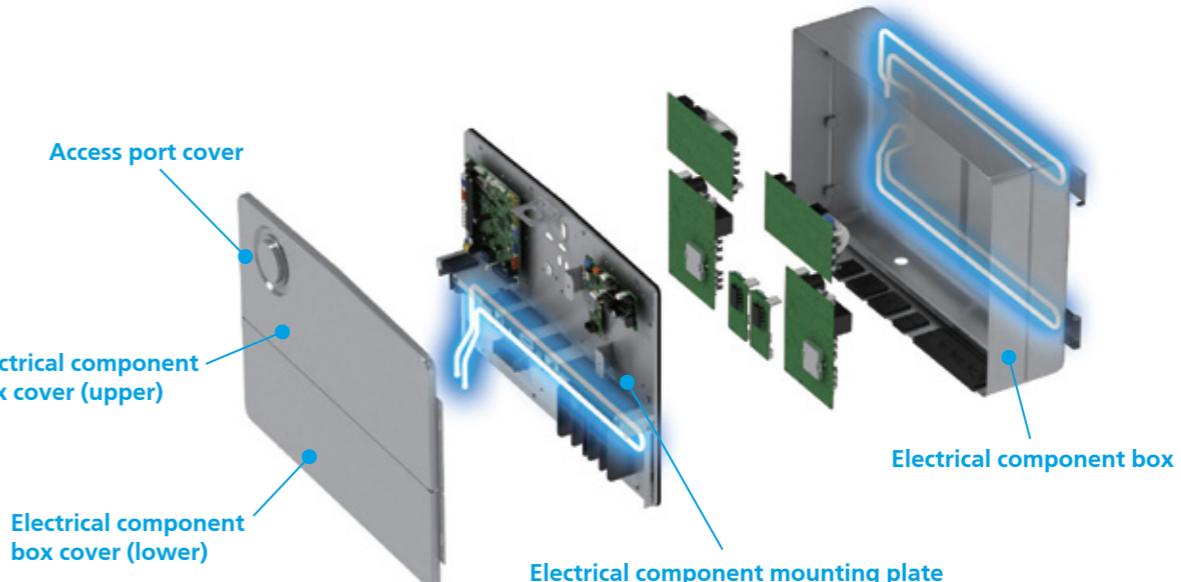
Ingress of dust is not entirely prevented, but it must not enter in sufficient quantity to interfere with the satisfactory operation of the equipment.

Ingress Protection

*IP55 is the protection degree of the wiring box as a single unit.

Enables operation in high outdoor temperature

Three refrigerant cooling circuits enable stable operation even in high outdoor temperatures by suppressing a temperature rise for the PCB mounted in the sealed electrical component box.



Improved DC Fan Motor:

To enhance the durability and reliability of Daikin VRV units, the ingress protection rating has been upgraded to IP44. This improvement provides better protection against solid objects and water ingress, ensuring superior performance in challenging environmental conditions.

IP44

Liquid ingress protection **Grade 4**

Protection against water splashing (enclosure from any direction)

Solid particle protection **Grade 4**

Protection against the solid foreign objects of 1.0mm diameter or greater.

Ingress Protection



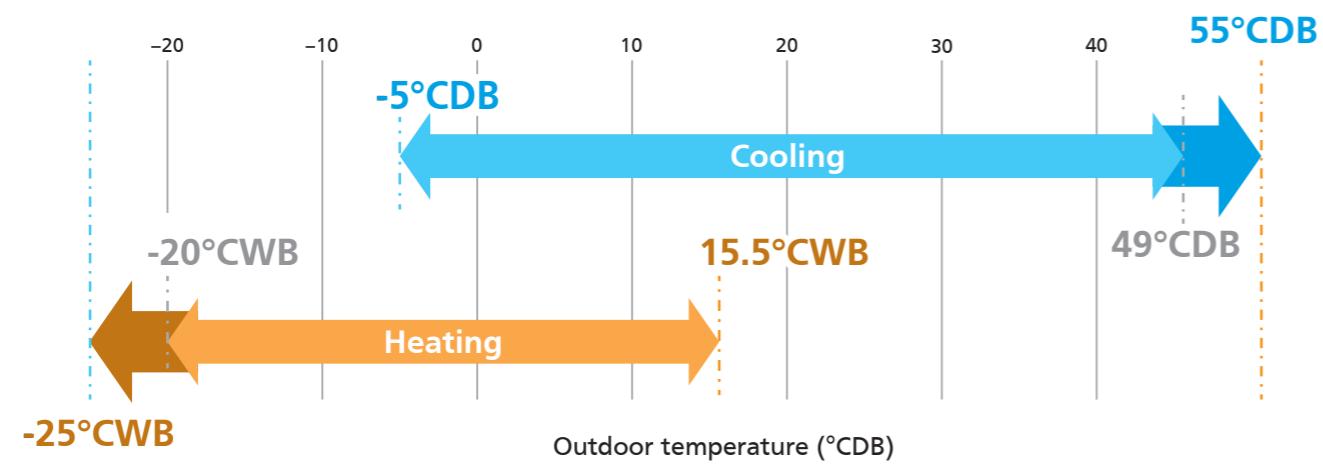
Reliability & Comfort



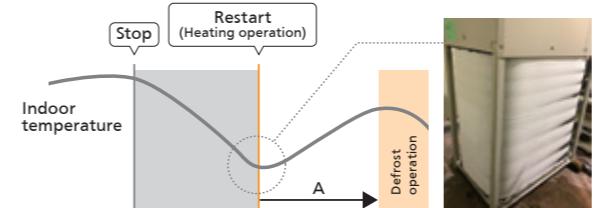
Extended operation temperature range

Operation is now possible for a wider range of outdoor temperatures.

Upper limit up to 55°CDB in Cooling mode
Lower limit down to -25°CWB in Heating mode



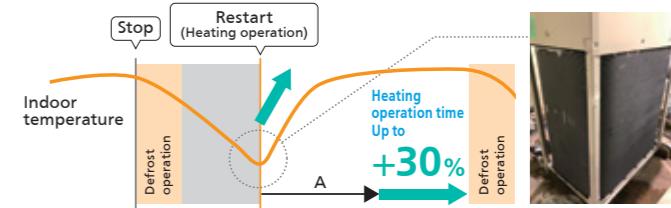
Conventional defrost operation



Due to the low discharge air temperature, the defrost operation starts before the room temperature has fully increased.
Frost from the previous heating operation remains in the heat exchanger before restarting.

* Conditions for effectiveness estimation : Outdoor air temperature 2°C
Round flow cassette with sensing operating at 100% capacity

Defrost before stop

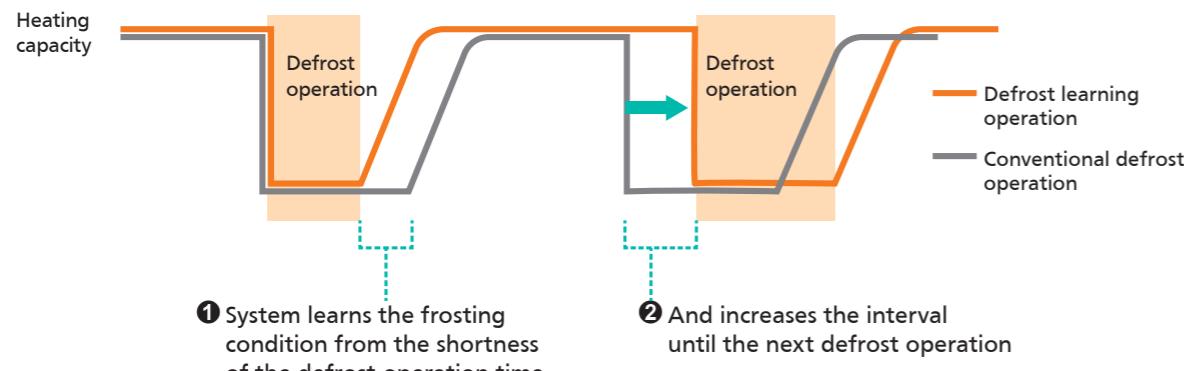


Defrost operation is performed before the unit is shut down.
Discharge air temperature in heating operation rises quickly
There is no frost on the heat exchanger before restarting.

Defrost learning function

If defrost operation time is short, the system will optimise defrost start conditions for the next cycle, improving comfort by extending the heating operation time.

Heating operation time improved by up to 10%!



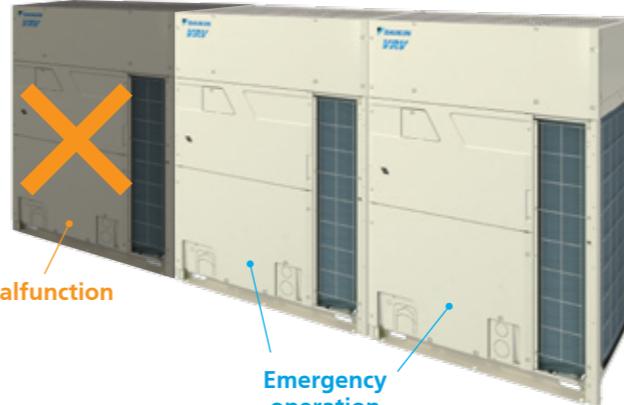
Defrost before stop

Defrost operation before the equipment is shut down speeds up the increase of discharge air temperature of the next heating operation, and extends the continuous heating operation time after restarting, thereby improving comfort.

Heating operation time is improved by up to 30%!

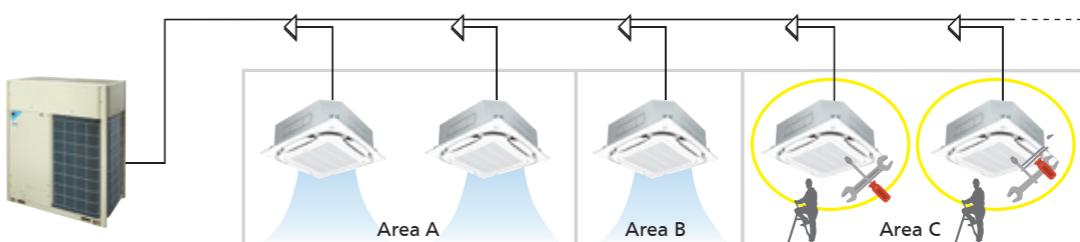
Unit backup operation function

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).



Ease of Maintenance

VRV Alpha series provides a maintenance feature* which allows the shut down of indoor unit without shutting down the whole VRV system. This feature comes in handy during maintenance period as the remaining indoor units continue to operate.



* Field setting is required.
This feature does not apply to residential indoor unit connection.
For more information, please contact Daikin sales office.

Free phase technology

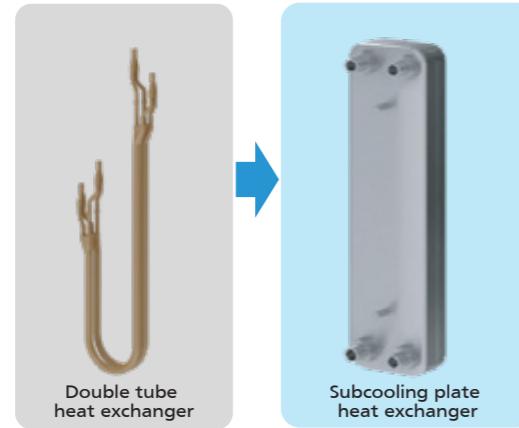
Phase reversal occurs in areas where power supply is frequent. At the time of power recovery, phase reversal may take place due to AC source and device may stop for PCB protection. By employing Free Phase technology, continued operation is achieved.

Reliability & Comfort



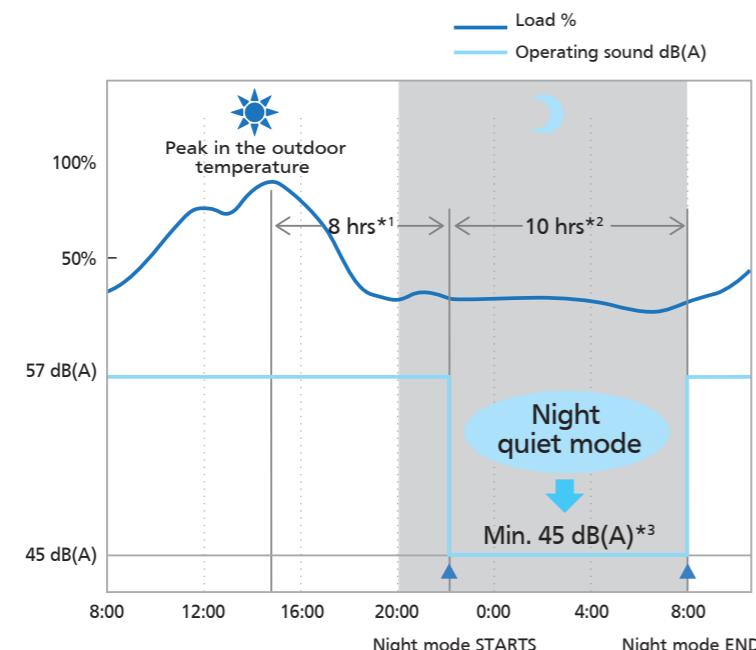
Subcooling Plate Heat Exchanger

The plate heat exchanger has a larger heat exchange capacity than the conventional double tube type and the amount of refrigerant supplied to the indoor unit can be reduced. As a result, pressure loss in the indoor/outdoor connection pipes can be reduced to achieve high energy saving performance.



Nighttime quiet operation function

The nighttime quiet operation function automatically suppresses the nighttime operating sound by reducing operation capacity to maintain the quiet environment of the neighborhood. Three selectable modes are available depending on the required level.



*1. Initial setting is 8 hours. Can be selected from 6, 8 and 10 hours.
 *2. Initial setting is 9 hours. Can be selected from 8, 9 and 10 hours.
 *3. In case of 10 class outdoor unit.

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.
 • Automatic Refrigerant charge function

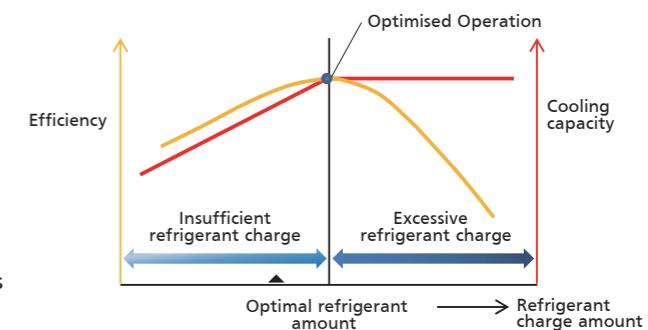
Automatic Refrigerant Charge Function

Contribute to optimised operation efficiency, higher quality and easier installation

Optimised operation efficiency

The automatic refrigerant charge function automatically determines the optimal amount of refrigerant to be charged.

This function prevents a capacity shortage or energy loss due to excessive or insufficient refrigerant.



Higher quality and easier installation

The automatic refrigerant charge function automates the charging of the proper refrigerant amount and the closing of shut-off valves with just one press of the switch after pre-charging. Simplified installation eliminates excessive and insufficient refrigerant charge amounts due to calculation mistakes and this has led to higher installation quality.

Conventional

- 1 Calculate necessary refrigerant amount from design drawing
- 2 Recalculate refrigerant amount from final installation drawing
- 3 Charge refrigerant
- 4 Regularly check refrigerant weight on weighing scale
- 5 Complete by manually closing valves when proper weight is reached



- 1 Calculation of necessary refrigerant amount from design drawing
- 2 Pre-charge of refrigerant*
- 3 Start of automatic refrigerant charge operation

- Automatic completion with optimal refrigerant amount
- Monitoring refrigerant charging is not required
- No recalculation of charge amounts due to minor design changes at site

*Pre-charge amount changes according to conditions, and there are cases when pre-charging is unnecessary.

Multiple advanced features ensuring more accurate test operation and stable system

Efficient automatic test operation

Automatically checks the wirings between outdoor units and indoor units to confirm whether there is a defective wiring.

Confirms and corrects the actual piping length.

Automatically checks whether the stop valve in each outdoor unit is in normal status to ensure the smooth operation of air conditioning system.

Automatic check



Indoor Unit Line-Up



Enhanced Range Of Choices

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

VRV Indoor Units

Type	Model Name	Capacity Range	16 types 77 models																	
			0.8 HP Capacity Index 20	1 HP 25	1.25 HP 32	1.6 HP 40	2 HP 50	2.5 HP 63	3 HP 71	3.2 HP 80	3.6 HP 90	4 HP 100	5 HP 125	6 HP 140	7 HP 170	8 HP 200	10 HP 250	16 HP 400	20 HP 500	
Ceiling Mounted Cassette Round Flow & Round Flow with Sensing (Optional)	VRT FXFSQ-ARV16 VRT Smart Control																			
Ceiling Mounted Cassette (Compact Multi Flow)	VRT FXZQ-CRV16 VRT Smart Control																			
Ceiling Mounted Cassette (Double Flow)	VRT FXCQ-BVM6																			
Ceiling Mounted Cassette Corner	New FFKQ-AV																			
Slim Ceiling Mounted Duct	VRT FXDQ-PDV36 (with drain pump) VRT Smart Control	(700mm width type)																		
	VRT FXDQ-NDV36 (with drain pump) VRT Smart Control	(900/1,100mm width type)																		
Ceiling Mounted Duct	VRT FXMQ-PAVE/PBV36 VRT Smart Control																			
	VRT FXMQ-NVE																			
Mid Static Ceiling Mounted Duct	VRT FXMQ-ARV16																			
	VRT																			
Ceiling Suspended	VRT FXHQ-MAVE/BVM6																			
4-Way Flow Ceiling Suspended	VRT FXUQ-AVEB																			
Wall Mounted	VRT FXAQ VRT Smart Control																			
Floor Standing	VRT FXLQ-MAVE																			
Concealed Floor Standing	VRT FXNQ-MAVE																			
Multi Cube/Spot	New FXPQ-AVM																			
Floor Standing Duct	VRT FXVQ-NY1(6)																			

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

VRV Indoor Units

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

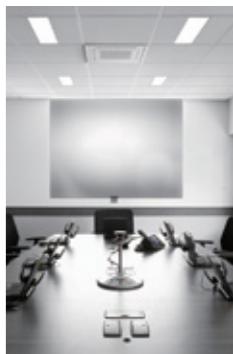
FXFSQ-ARV16



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

Ceiling Mounted Cassette (Compact Multi Flow) Type

FXZQ-CRV16



Quiet, compact and designed for users comfort.

Ceiling Mounted Cassette (Double Flow) Type

FXCQ-BVM6



Add finishing touch to your ceiling, with enhancing function and design.

Ceiling Mounted Cassette Corner Type

FFKQ-AV



Slim design for flexible installation.

Slim Ceiling Mounted Duct Type

FXDQ-PDV36



FXDQ-NDV36



Slim design, quietness and static pressure switching.

Ceiling Mounted Duct Type

FXMQ-PBV36



FXMQ-ARV16



High/Mid external static pressure allows flexible installations.

4-Way Flow Ceiling Suspended Type

FXUQ-AVEB



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

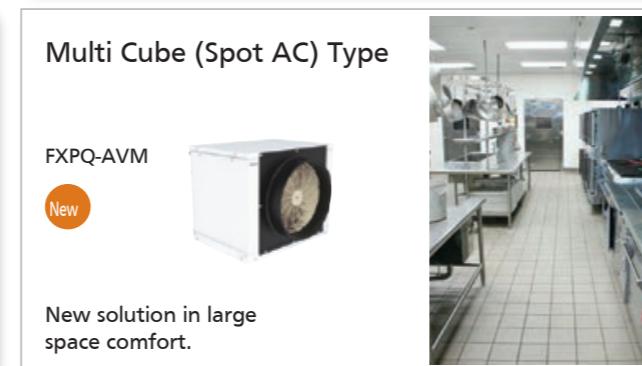
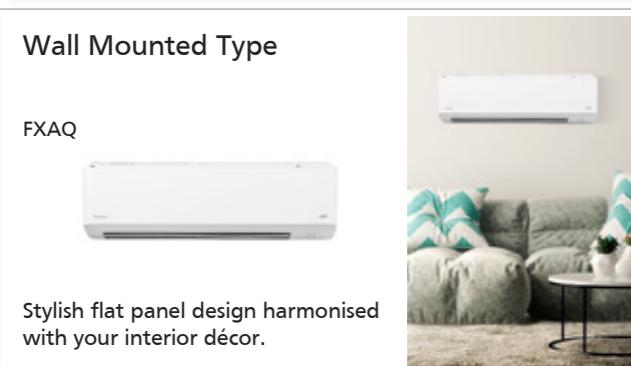
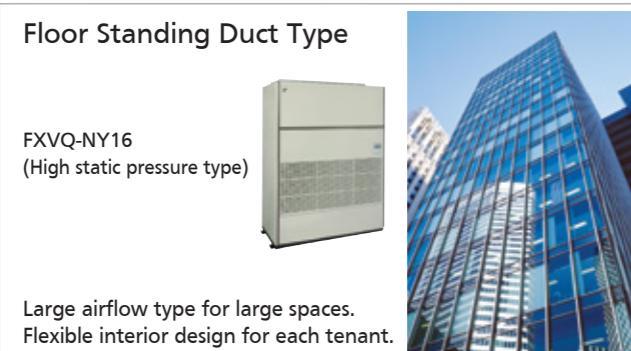
Ceiling Suspended Type

FXHQ-MAVE/BVM6



Slim body with quiet and wide airflow.

Indoor Unit Line-Up



VRV Indoor Units

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

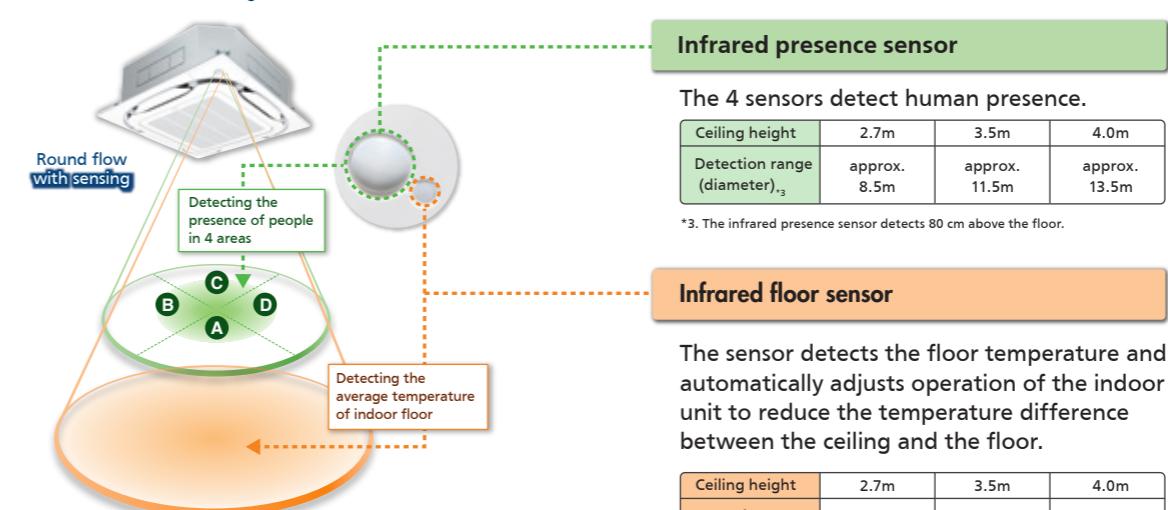
FXFSQ25A / FXFSQ32A / FXFSQ40A /
FXFSQ50A / FXFSQ63A / FXFSQ80A /
FXFSQ100A / FXFSQ125A /
FXFSQ140A



Round flow with sensing
(Optional)

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

Dual sensors^{*1}



Various sensing functions

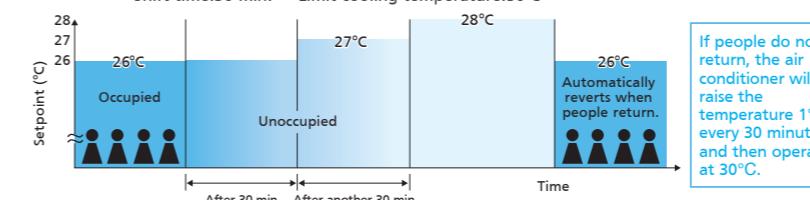
Sensing sensor mode^{*5*6}

Sensing sensor low mode (default: OFF)

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

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

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



For More information
'Scan Me'

*1. Applicable when sensing panel (BYCQ140EEF6/BYCQ125EEK) is installed.

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

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

Indoor Unit Line-Up

VRV TM

VRV Indoor Units

Sensing sensor stop mode (default: OFF)

When there are no people in a room, the system stops automatically.⁷

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

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

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

⁷ Please note that upon re-entering the room, air conditioner will not switch on automatically.



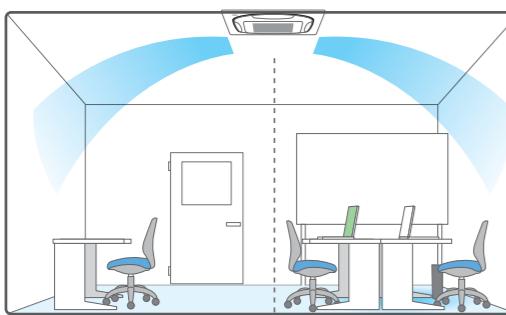
Auto airflow function⁸

New Direct Airflow (default: OFF)

Cooling

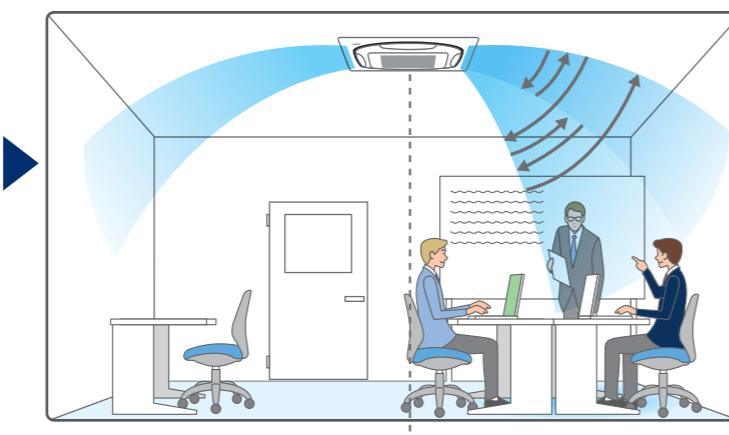
Dry

When human presence is not detected



Optimal air direction by "Auto"

When human presence is detected



Swing (narrow)

- With Auto airflow direction mode, flaps are controlled to deliver optimal airflow when the room is unoccupied.

- When human is detected, air direction is set to "Swing (narrow)" to deliver cool air to users.

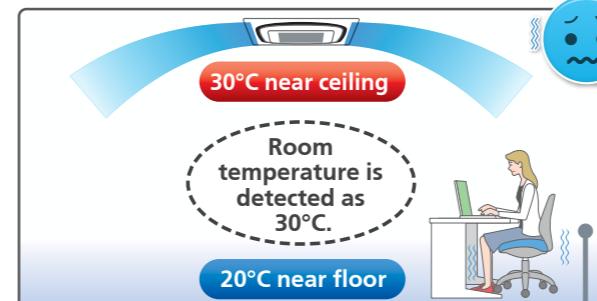
⁸ Airflow direction should be set to "Auto".

Comfort and energy saving preventing over cooling⁹

⁹ Airflow direction and airflow rate should be set to "Auto".

Floor temperature is detected and over cooling prevented.

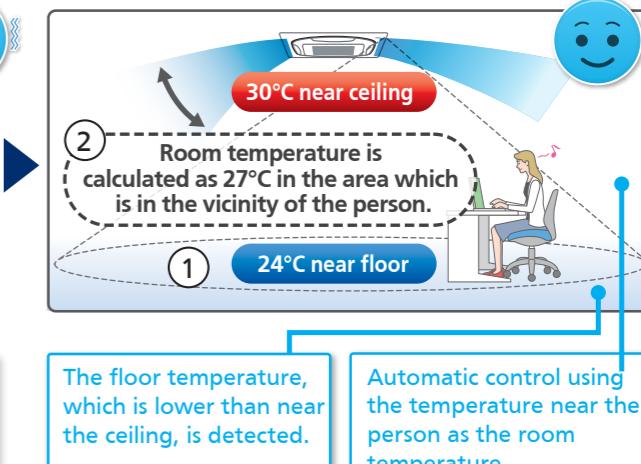
Without sensing function



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

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.

With sensing function



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

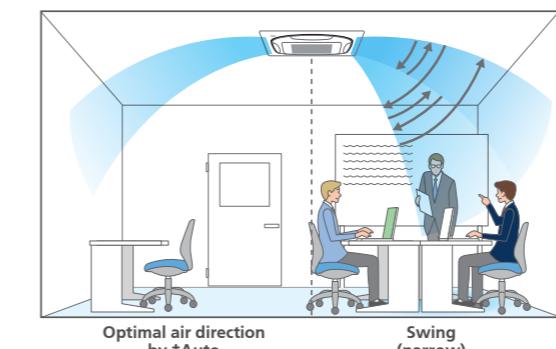
Automatic control using the temperature near the person as the room temperature.

New Circulation Airflow

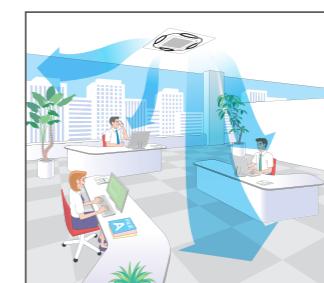


The illustration shows typical airflow. Effectiveness may differ according to room conditions, room size and distance to walls.

New Direct Airflow



Optimal air direction by "Auto" Swing (narrow)



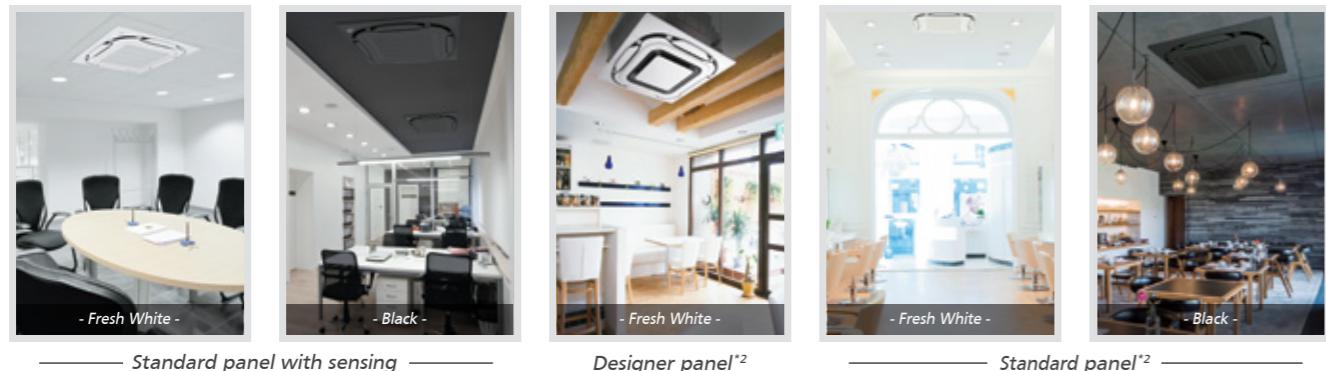
The illustration shows typical airflow.

Indoor Unit Line-Up

VRV TM

New Wide variety of decoration panels (Option)

- Designer choice has been given a boost with the increase in number of new types of decoration panels.



New Designer panel (Option)



Decoration Panel Line-up (Option)



*1. Sensing function is applicable when sensing panel is installed.

New Auto grille panel (Option)*1

- Clogged filters strain performance of the indoor unit and may result in breakdowns. Impeded airflow through the filter also lowers operational efficiency, which increases electricity bills. With the auto grille, anyone can easily clean the filter, which translates to lower maintenance cost and longer life of the air conditioner.
- With the auto grille panel, motorised raising and lowering allows suction panel and air filter cleaning to be carried out without the need for a step ladder.

A dedicated wireless remote controller is supplied with the auto grille panel.

For these situations recommended

- Where the air is dusty and likely to soil the air conditioner.
- Where simple and quick filter and grille cleaning is a worthwhile benefit.

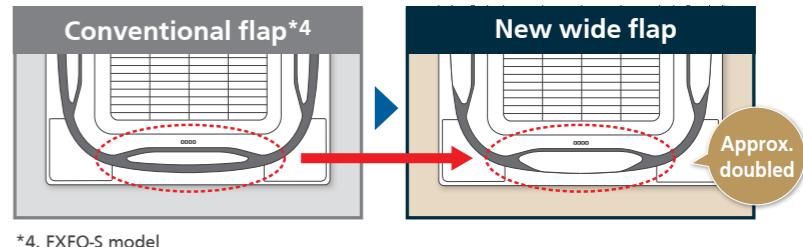


Three technologies that achieved circulation airflow

Flow-out is straight, horizontally and strong, so the air travels far and even reaches the wall from which it falls to the floor. This approach and technology makes circulation airflow possible.

1 Use of new wide flaps (Straight)

Compared to conventional models, the new wide flap increases straightness of the airflow, so coverage is approximately doubled.



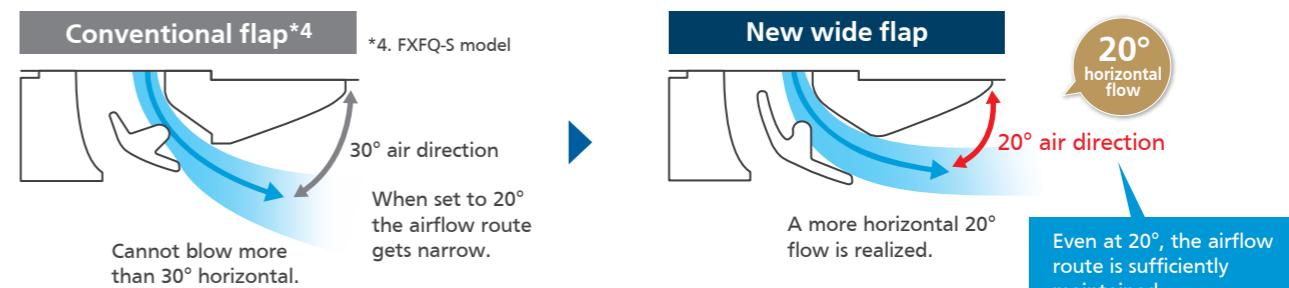
New wide flap construction inhibits ceiling dirt and grime

By tapering both flap ends, the airflow that causes dirty ceilings is directed downward.



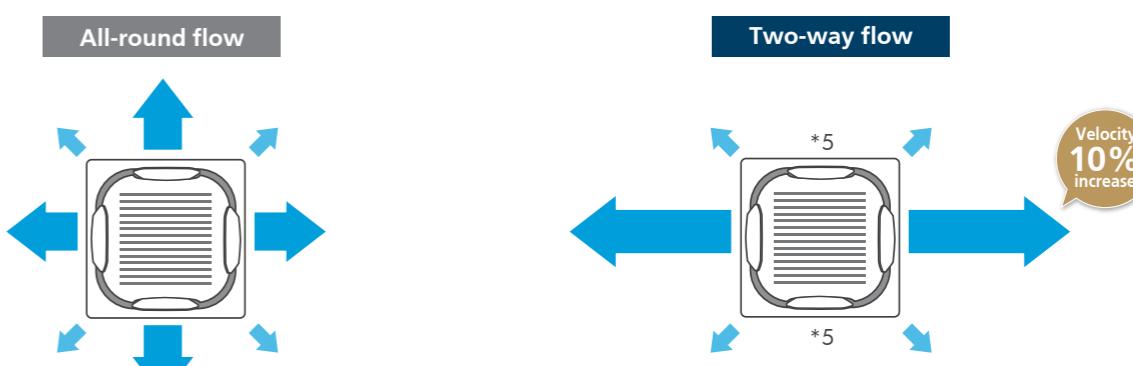
2 Optimising airflow angle (Horizontally)

Even with the flap angle raised, a sufficient airflow route is maintained to realize a more horizontal airflow angle.



3 Increased velocity in 2-way flow (Strongly)

Velocity increased by making 2-way flow. Powerful airflow was realized.

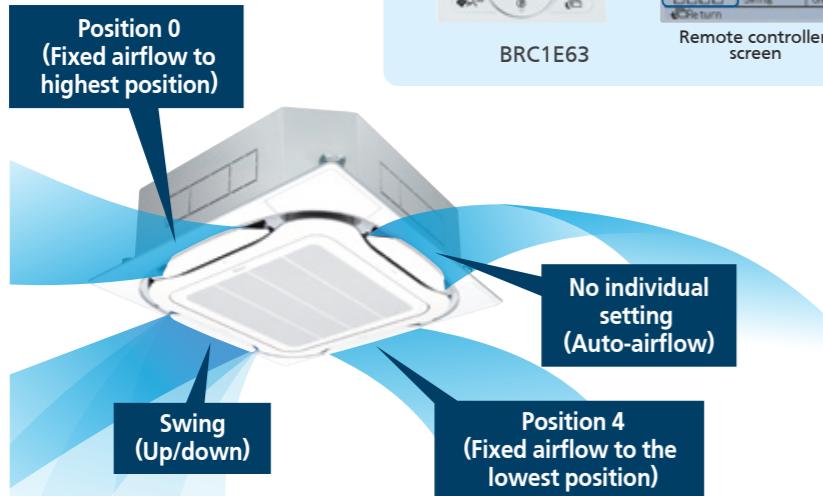


Indoor Unit Line-Up

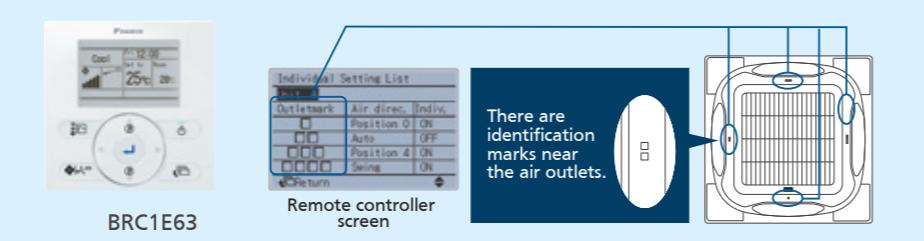
VRV TM

Comfortable air conditioning for all room layouts and conditions

Airflow direction can be individually adjusted for each air discharge outlet to deliver optimal air distribution.



Easy setting is possible with a wired remote controller.



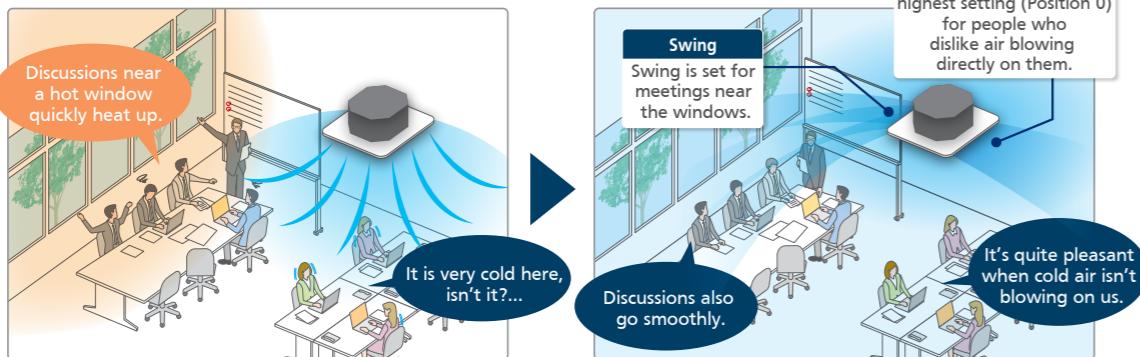
Individual airflow settings

- No individual setting (Auto airflow)
- Position 0 (Highest point)
- Position 1
- Position 2
- Position 3
- Position 4 (Lowest point)
- Swing

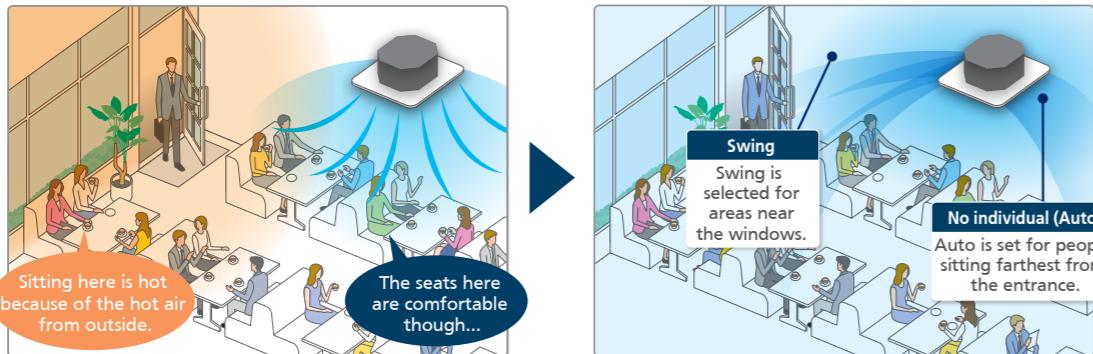
Individual settings are possible as stated above.

When individual airflow is selected, airflow direction can be adjusted to room layout.

For offices



For shops and restaurant



*1. Applicable when wired remote controller BRC1E63 is used.

Circulation Air Flow

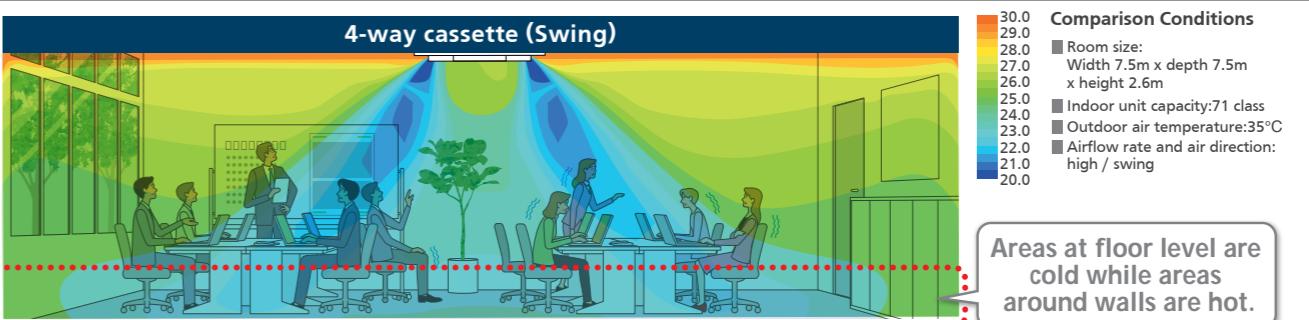
*1. Applicable when wired remote controller BRC1E62 is used.
*2. Not applicable when using individual airflow direction control.

Circulation airflow cools the entire room to deliver comfort that never feels cold

During 2-way horizontal flow

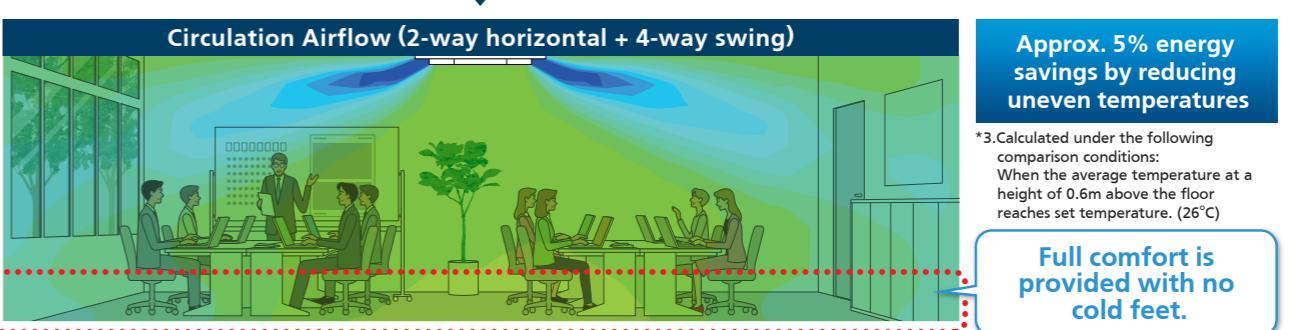


Comfort to the entire room with even temperatures and no cold air pockets at floor level

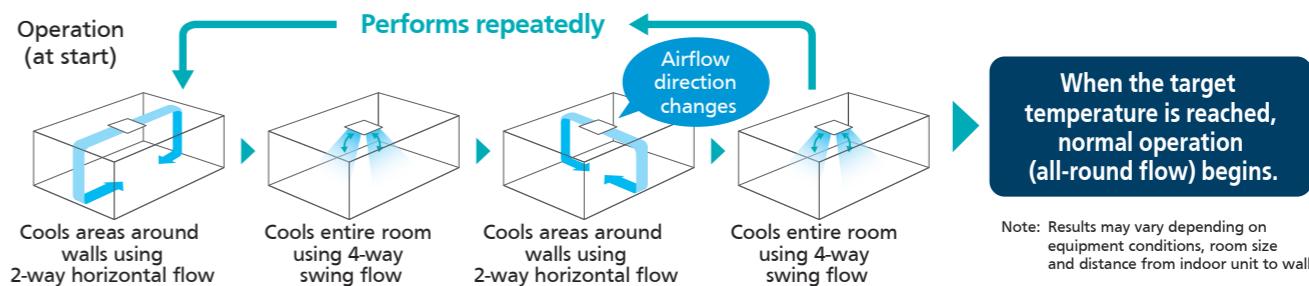


Areas at floor level are cold while areas around walls are hot.

Circulation Airflow (2-way horizontal + 4-way swing)



Configurations of Circulation Airflow



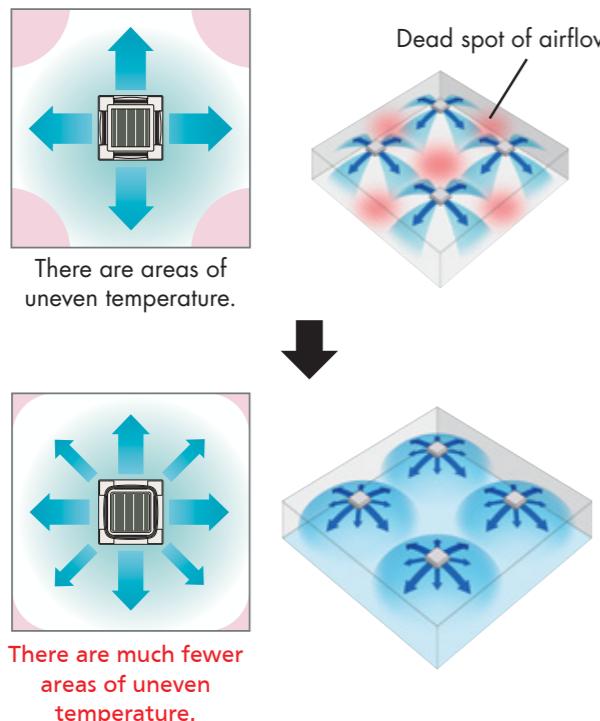
Note: Results may vary depending on equipment conditions, room size and distance from indoor unit to walls.

Indoor Unit Line-Up

VRV TM

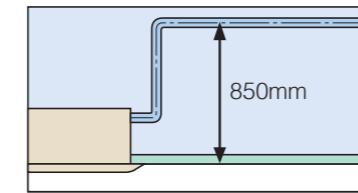
Comfortable airflow

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



Easy installation

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



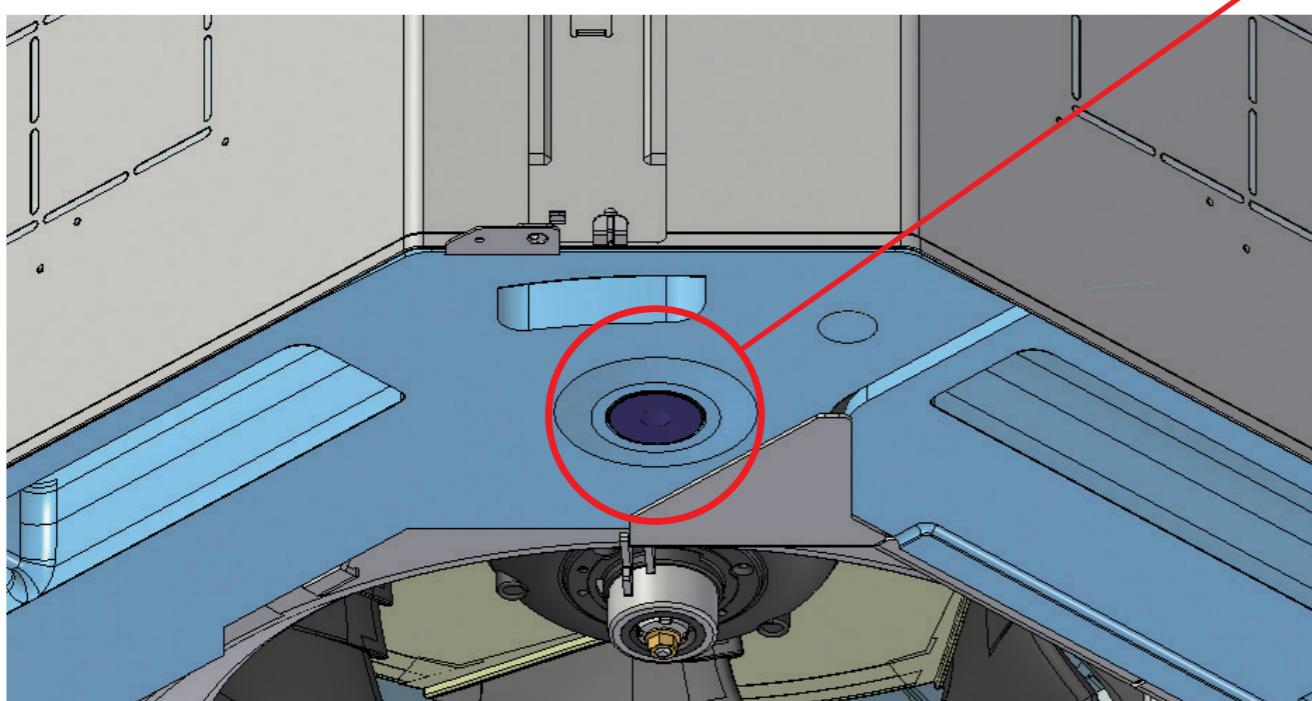
Easy maintenance

- Internal hygiene can be easily checked without removing the whole panel. Simply opening the suction panel allows the internal drain pan to be checked.

New

- 24mm diameter drain outlet

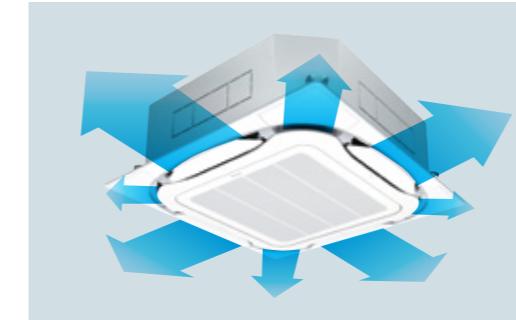
The drain outlet allows insertion of a finger or dental mirror for inspection of the internal cleanliness of the drain pan. Removal of the suction panel enables access.



Example of airflow patterns

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

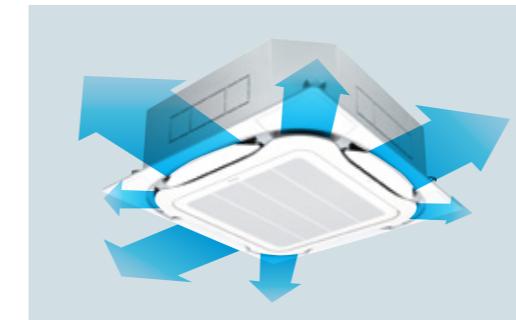
All-round flow



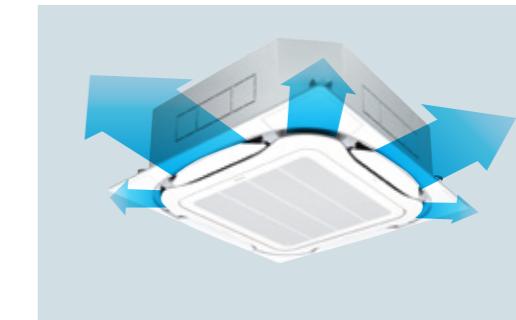
4-way flow



3-way flow



L-shaped 2-way flow



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

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

- An antibacterial treatment that uses silver ions has been applied to the drain pan, preventing the growth of slime, mould and bacteria that cause blockages and odours. (The lifespan of a silver ion cartridge depends on the usage environment, but should be changed once every two to three years.)



- 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.

New

- Control of the airflow rate can be selected from 5-step control and auto.

Indoor Unit Line-Up



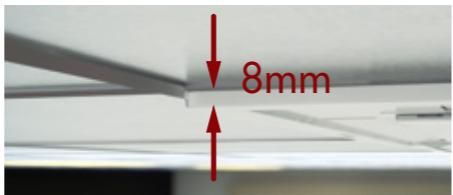
VRV Indoor Units

Ceiling Mounted Cassette (Compact Multi Flow Cassette) Type

FXZQ20CRV16 / FXZQ25CRV16 / FXZQ32CRV16
/ FXZQ40CRV16 / FXZQ50CRV16



No Trap Door requirement



Quiet, Compact, Designed for user comfort

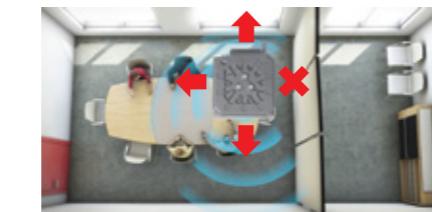
Compact & Elegant Design

- Fully-flat integration in standard architectural ceiling tiles, leaving only 8mm.
- Remarkable blend of iconic design and engineering excellence with an elegant finish in white.
- The newly designed panel integrates fully within one ceiling tile enabling lights, speakers and sprinklers to be installed in the adjoining ceiling tiles.

Efficiency & Comfort

- Two optional intelligent sensors improve energy efficiency and comfort.
- An optional presence and floor sensor kit can be fitted to the cassette for draught prevention, energy-saving operation and to provide optimal control of airflow.

Individual airflow direction control: Flexibility to suit every room layout without changing the location of the unit.



Auto swing (up/down)

Possibility to select automatic vertical moving of the air discharge flaps for efficient air and temperature distribution throughout the room.

Ceiling soiling prevention

- Prevents air from blowing against the ceiling to prevent ceiling stains.
- Reduced energy consumption, thanks to the specially developed small tube heat exchanger, DC fan motor, and drain pump optional fresh air intake kit.

VRV Indoor Units

Ceiling Mounted Cassette (Double Flow) Type

FXCQ25BVM6 / FXCQ32BVM6 / FXCQ40BVM6 /
FXCQ50BVM6 / FXCQ63BVM6 / FXCQ80BVM6 /
FXCQ125BVM6

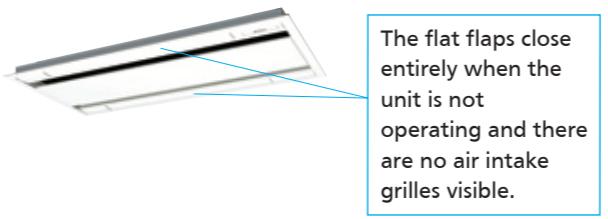


Add finishing touch to your ceiling, with enhancing function and design.

Stylish unit blends easily with any interior. Integrated ceiling surface with sophisticated panel design with the adoption of flat flap. Add finishing touch to your ceiling, with enhancing function and design.

- Individual airflow direction control (Unavailable during automatic airflow mode, airflow angle: configurable from 0 to 4 swing positions.)

Individual flap control

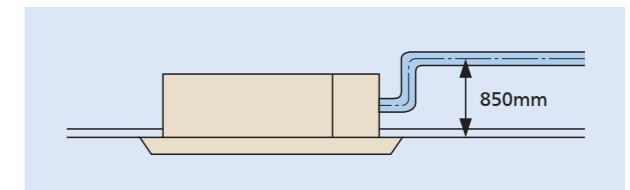


The flat flaps close entirely when the unit is not operating and there are no air intake grilles visible.

- Reduced energy consumption thanks to specially developed small tube heat exchanger, DC fan motor and drain pump.

Enhanced functions from various aspects such as maintenance

- Check contamination in drain pan by simply removing suction grille and panel.
- The flap parts are easy to clean because it is hard to condensate and get dirty.
- Equipped with long life filter which requires only 1-year maintenance interval.
- Adjuster pockets mount at four corners of the unit enable to adjust the main unit without removing the panel.
- Drain pump is equipped as standard accessory with 850mm lift.



- 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 lifespan of a silver ion cartridge depends on the usage environment, but should be changed once every two to three years.)



Adjuster Pocket



Drain socket part

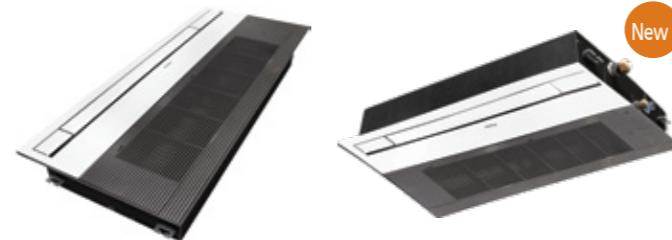
- Easy visual inspection of drainage through the transparent body drain socket.

Indoor Unit Line-Up



Ceiling Mounted Cassette Corner Type

FXKQ32AV / FXKQ40AV
FXKQ50AV / FXKQ63AV



This new Indoor unit has been awarded with Good Design Award



- Very Compact & Elegant Design
- Sleek panel with dual tone styling that give rational choice of elegance
- Flexibility to install on several height false ceiling minimum up to 3.9 inches (100mm) with the help of multiple spacers (Optional).



Base Color: Black
Surface color: White
Model no.: BYKQ63AHW



Base Color: White
Surface color: White
Model no.: BYKQ63AW



Base Color: Black
Surface color: Silver
Model no.: BYKQ63AHS



VRV Indoor Units

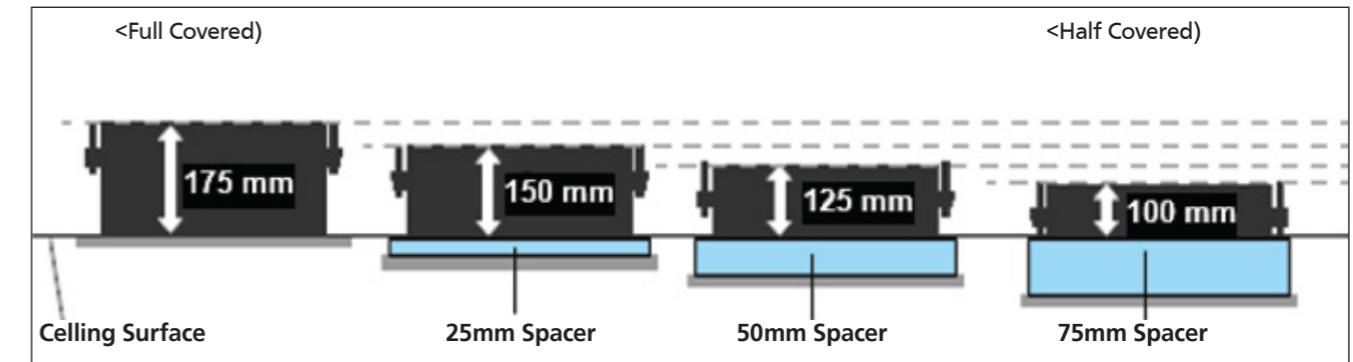
Installation with Panel Spacers

It has the flexibility to install on several height false ceiling i.e its ceiling height can be minimize with multiple optional by spacers (25mm each) from 25mm to 75mm

Note- Spacer colour- Dark gray

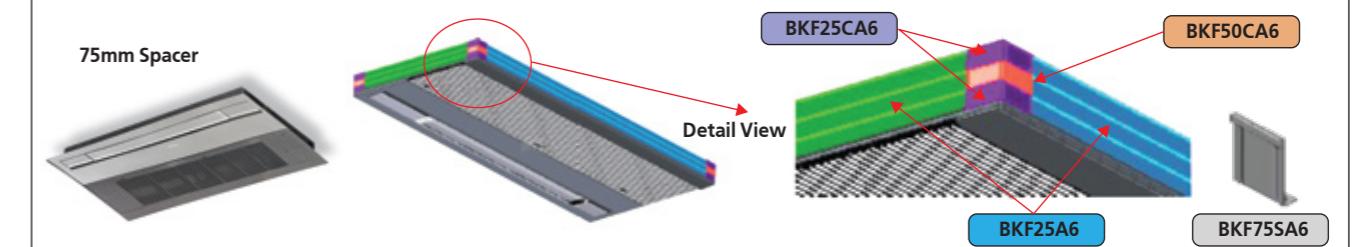
Standard Ceiling Height
175mm (6.88 Inches)
145mm IDU height + 30mm clearance

→ Reduced by 25mm
150mm (5.9 Inches) → Further Reduced by 25mm
125mm (4.9 Inches) → Further Reduced by 25mm
100mm (3.9 Inches)



Optional List Spacer Kit Detail:

Item Name	Required Height (mm)	Spacer Kit-Model Name			
		BKF25A6 Spacers (Nos): 2 + 2	BKF25CA6 Comers 4 Nos + Screws 4 Nos	BKF50CA6 Comers 4 Nos + Screws 4 Nos	BKF75SA6 Installation Hook: 6 Nos
Spacer Assembly	25 (mm)	App. Model/Qty. Item/Images	1	1	X
	50 (mm)	App. Model/Qty. Item/Images	2	2	X
	75 (mm)	App. Model/Qty. Item/Images	3	3	NA



Indoor Unit Line-Up



Slim Ceiling Mounted Duct Type

FXDQ20PD / FXDQ25PD / FXDQ32PD
FXDQ40ND / FXDQ50ND / FXDQ63ND



Slim design, quietness and static pressure switching

Suited to use in drop-ceilings

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



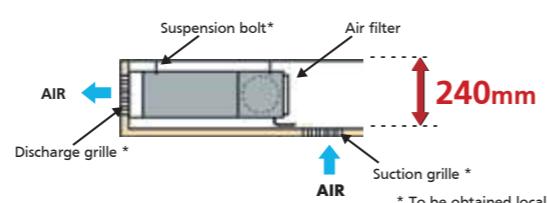
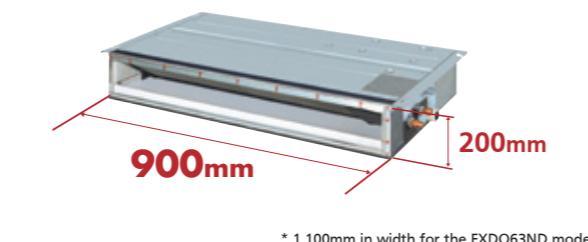
- Control of the airflow rate has been improved from 2-step to 3-step control.

Low operation sound level (dBA)				
FXDQ-PD/ND	20/25/32	40	50	63
Sound level (HH/H/L)	33/31/29	34/32/30	35/33/31	36/34/32

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

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

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

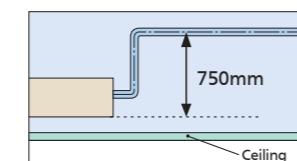


- External static pressure selectable by remote controller switching makes this indoor unit a very comfortable and flexible model.

10 Pa-30 Pa/factory set: 10 Pa for FXDQ-PD models.
15 Pa-44 Pa/factory set: 15 Pa for FXDQ-ND models.

- FXDQ-PD and FXDQ-ND models are available with a drain pump as a standard accessory.

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



VRV Indoor Units

High Static Pressure Ceiling Mounted Duct Type

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



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

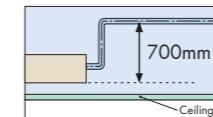
30 Pa-160 Pa for FXMQ40P

50 Pa-200 Pa for FXMQ50P-125P

50 Pa-140 Pa for FXMQ140P

All models are only 300mm in height, an improvement over the 390mm 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 700mm lift.



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

Low operation sound level (dBA)

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).

FXMQ170N/FXMQ200N
FXMQ250N



Improved ease of installation

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

Improved ease of maintenance

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

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.

Indoor Unit Line-Up



Mid Static Pressure Ceiling Mounted Duct Type

FXMQ40A / FXMQ50A / FXMQ63A
FXMQ80A / FXMQ100A

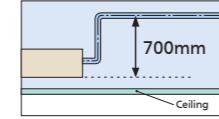


Mid static pressure allows for flexible duct design

- AC fan motor is installed to suit applications where external static pressure is required at nominal capacity.
- 30 Pa-50 Pa for FXMQ40-80ARV16
- 30 Pa-60 Pa for FXMQ100ARV16

All models are only 300mm in height, an improvement over the 390mm 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 700mm lift.



High airflow rate

Airflow rate is optimised to meet wider spectrum of airflow requirements.

Low operation sound level (dBA)					
FXMQ-A	40	50	63	80	100
Sound level (H/L)	39/37	41/39	42/40	43/41	44/42

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.

VRV Indoor Units

Ceiling Suspended Type

FXHQ32 / 63 / 100MA



FXHQ125 / 140A



Slim body with quiet and wide airflow

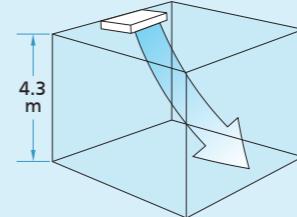
New 125 / 140 models provide greater capacity for large spaces

- The technology of the DC fan motor, wide sirocco fan, and large heat exchanger combine for greater airflow and quiet operation.



- Sophisticated design
 - Flap neatly closes when not in use.

- Suitable for high ceilings



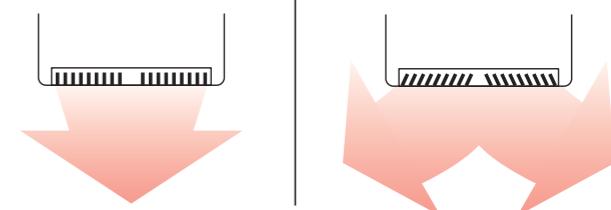
- Switchable fan speed: 3 steps
 - Control of airflow rate has been improved from 2-step to 3-step.

- Drain pump kit (option) includes a silver ion antibacterial agent that assists in preventing the growth of slime, bacteria, and mould that cause smells and clogging.



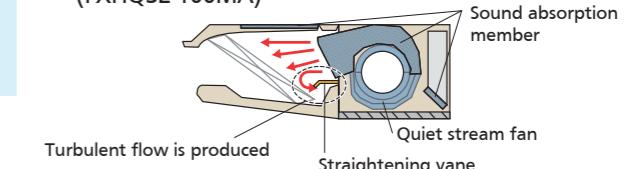
Comfort

- Auto swing (up and down) and louvers (left and right by hand) bring comfort to the room.
- Louver manually adjusts for straight or wide angle airflow.



Quiet operation

- Uses quiet stream fan and other quiet technologies. (FXHQ32-100MA)



Indoor unit	Sound level		
	H	M	L
FXHQ32MA	36	—	31
FXHQ63MA	39	—	34
FXHQ100MA	45	—	37
FXHQ125A	46	41	37
FXHQ140A	48	42	37

Indoor Unit Line-Up

VRV TM

Wall Mounted Type

FXAQ20A / FXAQ25A
FXAQ32A / FXAQ40A
FXAQ50A / FXAQ63A
FXAQ71B / FXAQ80A
FXAQ90A



Stylish flat panel design harmonised with your interior decor



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

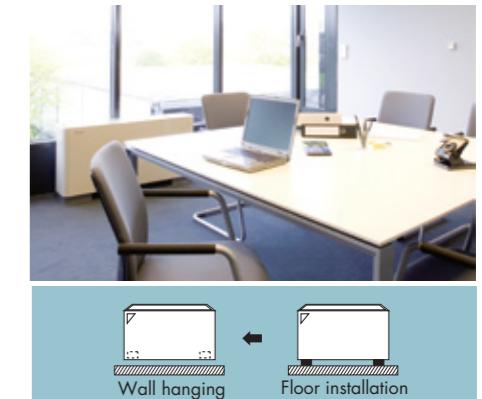
Floor Standing Type

FXLQ32MA / 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 is equipped as standard accessory.
*8 hr/day, 25 day/month. For dust concentration of 0.15 mg/m³



Concealed Floor Standing Type

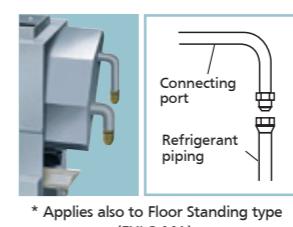
FXNQ32MA / FXNQ50MA
FXNQ63MA



Designed to be concealed in the perimeter skirting-wall

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

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



Indoor Unit Line-Up

VRV TM

VRV Indoor Units

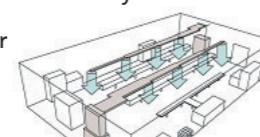
Floor Standing Duct Type

FXVQ125N / FXVQ200N
FXVQ250N / FXVQ400N
FXVQ500NY16



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

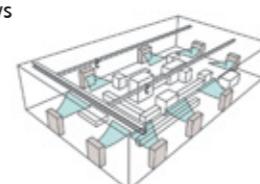
- Large airflow type that fits for spacious areas such as factories and large stores.
- Various installations can be supported from full-scale duct connection airflow to direct airflow that allows for easy installation.
- Full-scale duct connection airflow allows for air conditioning evenly in spacious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



Duct connection airflow type

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

* Note that the operation sound increases by approximately 5 dBA.

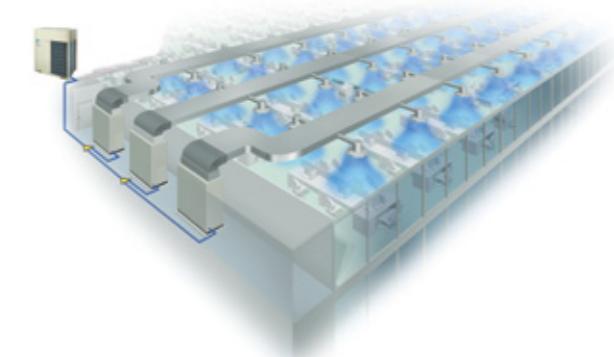


Direct airflow type

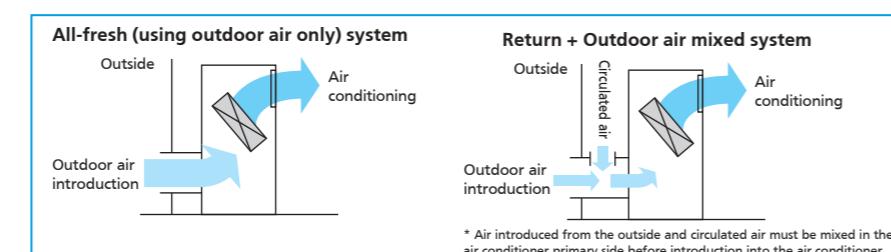
- The high static pressure type driven by the belt drive system allows the usage of air discharge outlets in various shapes as well as long ducts. Highly flexible installation is possible.
- High maintainability design that allows major services and maintenance services to be performed at the front.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

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

- A wide range of optional accessories is available such as high-efficiency filters.
- Outdoor air intake mode is useable as an outdoor-air processing airconditioner.



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



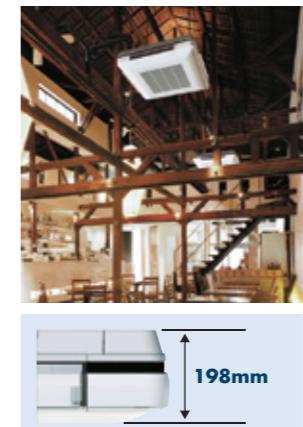
4-Way Flow Ceiling Suspended Type

FXUQ71A / FXUQ100A

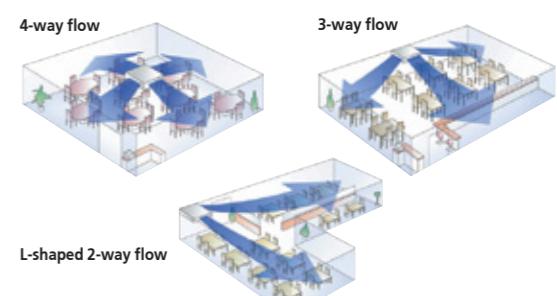
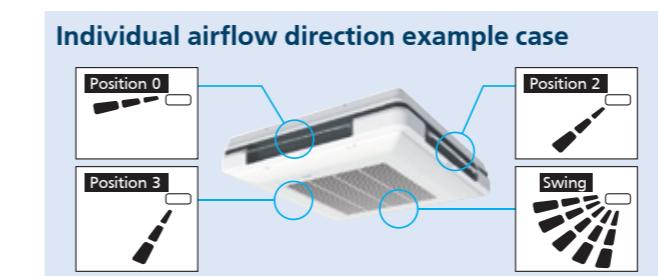


This slim and stylish indoor unit achieves optimum air distribution and can be installed without a ceiling cavity.

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



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



Indoor Unit Line-Up

VRV TM

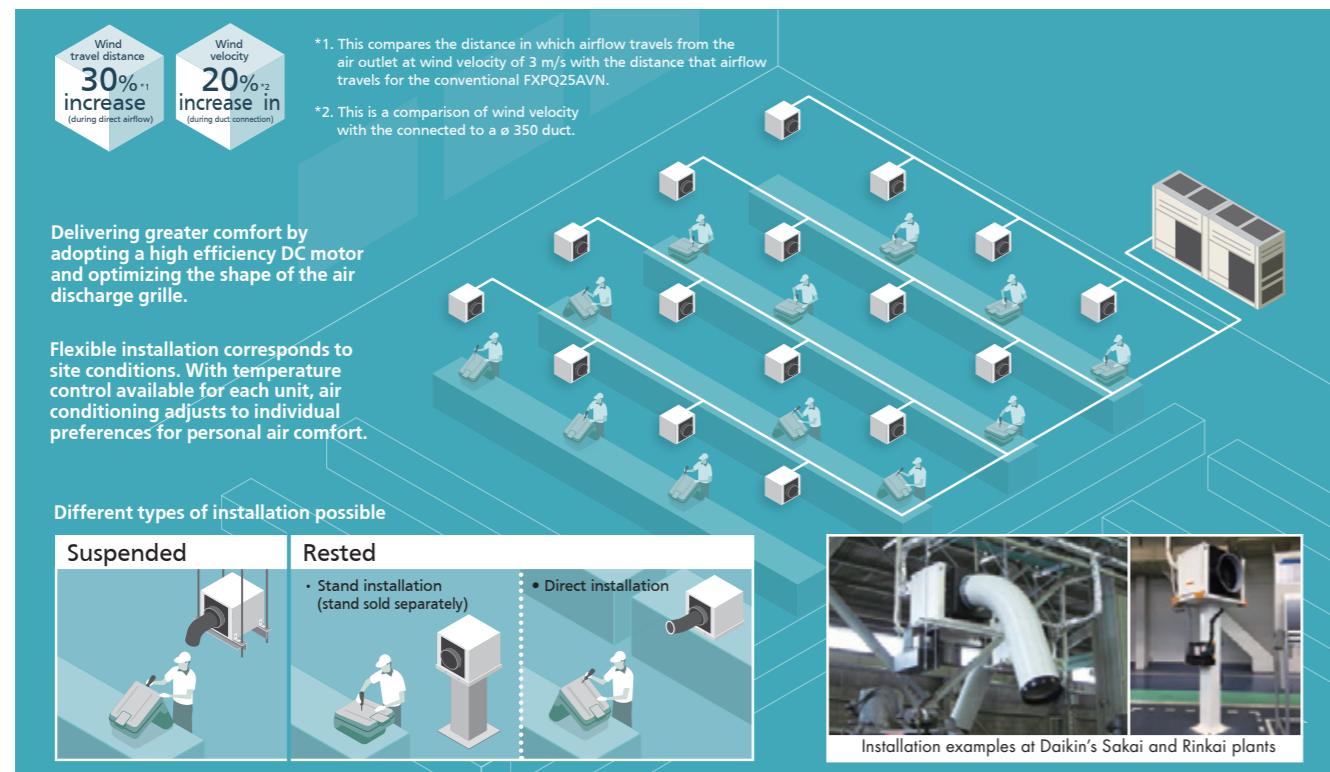
VRV Indoor Units

Multi Cube (Spot AC) type for VRV system

FXPQ25AVM

Personal air comfort delivered to large spaces

Even in large spaces, Daikin ensures individual air comfort for each person. Our compact Spot Air Conditioner was created to serve individual air conditioning needs in large spaces. Compared to commercial buildings and offices, air conditioning factories and other large spaces used to be extremely difficult. With this Spot Air Conditioner, temperatures can now be individually adjusted for a comfortable work environment to suit each person.



Versatile installation options enable free layout

Because VRV systems allow use of long refrigerant piping, unit layout is flexible and can be freely designed to fit large spaces. Not only does this make ductwork unnecessary, it simplifies installation and enables easy unit relocation in the future. Installation costs are also greatly reduced.



Easy relocation/expansion

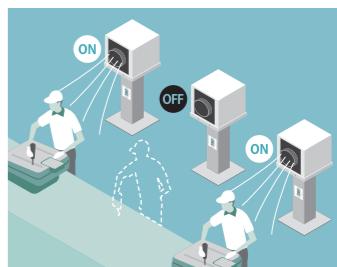
Only requirement is connection to preinstalled Shut-off Valve kit for additional indoor units (Option).



Adjustable comfort for individual users

Each Spot Air Conditioner can be controlled with a dedicated wired remote controller. Individual users can set the temperature and airflow volume.

Moreover, since each unit can be turned ON and OFF, it is possible to reduce power consumption resulting from unnecessary operation and to eliminate associated costs.

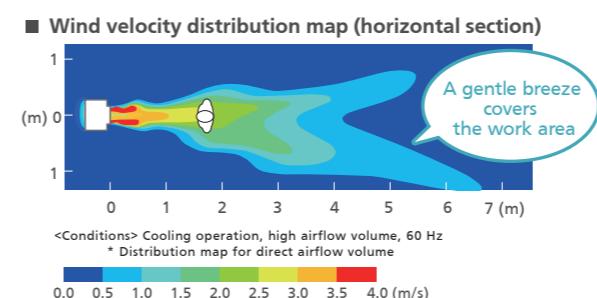


Delivering comfort with a large volume of air

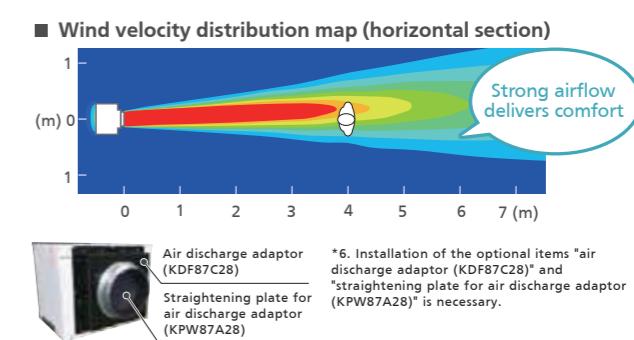
The large propeller fan provides a gentle, comfortable breeze and greater wind volume.

Additionally, by installing an optional air discharge adaptor and straightening plate, strong airflow can be achieved that extends even further.

Comfort for people nearby Standard type



Comfort for people far away Long-distance type ⁶



Designed for installation in any environment

Condensation suppression

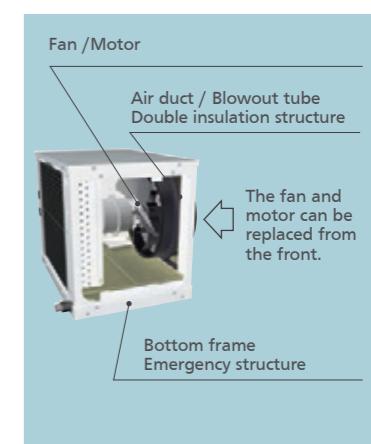
To minimize condensation, the air duct and blowout tubes are **double insulated**. This enables use in kitchens and other highly humid environment.

Simple maintenance

Easy maintenance design includes front access for fan motor replacement.

Leakage failsafe

An **emergency reservoir** is fitted in the underframe beneath the drain pan. This provides reassuring backup against drain pan overflow.



VRV Indoor Units

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



MODEL	FXFSQ25ARV16	FXFSQ32ARV16	FXFSQ40ARV16	FXFSQ50ARV16	FXFSQ63ARV16	FXFSQ80ARV16	FXFSQ100ARV16	FXFSQ125ARV16	FXFSQ140ARV16
Power supply	1-phase, 220-240V, 50Hz								
Cooling capacity	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	Btu/h	10,900	13,600	17,100	21,500	27,300	34,100	42,700	54,600
	kW	3.2	4.0	5.0	6.3	8.0	10.0	12.5	16.0
Casing								Galvanised steel plate	
Airflow rate (H/HM/M/ML/L)	m ³ /min	13/12.5/11.5/11/10	17/13.5/12/11	23/20.5/19/14.5/11	23.5/21/20/16/13.5	24.5/22/20.5/20/15	33.5/30.5/27/23.5/21	34.5/31.5/28.5/25.5/23	35.5/32.5/29.5/26.5/23
	cfm	459/441/406/388/353	600/477/441/424/388	812/724/671/512/388	830/742/706/565/477	865/777/724/706/530	1,183/1,077/954/830/742	1218/1112/1006/901/812	1,254/1,148/1,042/936/812
Sound level (H/HM/M/ML/L)	dBA	30/29.5/28.5/28/27	35/29.5/29/28/27	38/35/34.5/29.5/27	38/36/35.5/31.5/28	39/37/36/35.5/31	44/41/38/35/33	45/42.5/39.5/37/35	46/43.5/40.5/38/35
Dimensions (H×W×D)	mm				256×840×840			298×840×840	
Machine weight	kg	19				22		25	26
Piping connections	Liquid (Flare)		Ø 6.4			Ø 9.5			
	Gas (Flare)		Ø 12.7			Ø 15.9			
	Drain				VP25 (External Dia, 32/Internal Dia, 25)				
Standard panel (Non sensing) (White)	Model				BYCQ125EAF6 (Fresh White)				
	Dimensions (H×W×D)	mm			50×950×950				
	Weight	kg			5.5				
Sensing panel (White)	Model				BYCQ140EEF6 (Fresh White)				
	Dimensions (H×W×D)	mm			50×950×950				
	Weight	kg			5.5				

Note: Specifications are based on the following conditions;

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



For More information
'Scan Me'



VRV αTM

SPECIFICATIONS

Decoration Panel (Option)

Standard panel	ROUND FLOW TYPE		
	MODEL	FXFSQ-A	BYCQ125EAF6 (Fresh White) / BYCQ125EAK (Black)
Dimensions (H×W×D)	mm	50×950×950	
Weight	kg	5.5	
Sensing panel	Model	BYCQ140EEF6 (Fresh White) / BYCQ125EEK	
Dimensions (H×W×D)	mm	50×950×950	
Weight	kg	5.5	
Designer panel	Model	BYCQ125EAPF (Fresh White)	
Dimensions (H×W×D)	mm	97×950×950	
Weight	kg	6.5	
Auto grille panel	Model	BYCQ125EASF (Fresh White)	
Dimensions (H×W×D)	mm	105×950×950	
	Weight	8	



Standard panel
BYCQ125EAF6 (Fresh White)



Standard panel
BYCQ125EAK (Black)



Designer panel
BYCQ125EAPF (Fresh White)



Sensing panel
BYCQ140EEF6 (Fresh White)



Sensing panel
BYCQ125EEK (Black)



Auto grille panel*²
BYCQ125EASF (Fresh White)

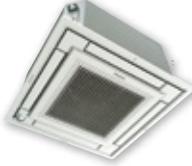
Note: When opting Black panel, wireless remote controller model will be BRC7M634K

Specifications



VRV Indoor Units

Ceiling Mounted Cassette (Compact Multi-Flow) Type



MODEL	FXZQ20CRV16	FXZQ25CRV16	FXZQ32CRV16	FXZQ40CRV16	FXZQ50CRV16		
Power supply	1 phase, 220-240V, 50Hz						
Cooling capacity	Btu/h	7,500	9,600	12,300	15,400		
	kW	2.2	2.8	3.6	4.5		
Heating capacity	Btu/h	8,500	10,900	13,600	17,100		
	kW	2.5	3.2	4	5		
Casing	Galvanised steel plate						
Airflow rate (H/M/L)	m³/min	8.7/7.5/6.5	9.0/8.0/6.5	10.0/8.5/7.0	11.5/9.5/8		
	cfm	307/265/229	318/282/229	353/300/247	406/335/282		
Sound level	dBA	32.0/29.5/25.5	33.0/30.0/25.5	33.5/30.0/26.0	37.0/32.0/28.0		
Machine weight	kg	15.5		16.5	18.5		
Dimensions (HxWxD)	mm	260x575x575					
Piping connections	Liquid (Flare)	Ø 6.4					
	Gas (Flare)	Ø 12.7					
	Drain	VP20 (Internal Dia 20/External Dia 26)					
Decoration Panel (option)	Model	BYFQ60CBW6					
	Colour	White (N9.5)					
	Dimensions	mm	46 x 720 x 720				
	Air Filter	Resin net (with mould resistance)					
	Weight	kg	2.8				

Note: Specifications are based on the following conditions;

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

Ceiling Mounted Cassette (Double Flow) Type



MODEL	FXCQ25BVM6	FXCQ32BVM6	FXCQ40BVM6	FXCQ50BVM6	FXCQ63BVM6	FXCQ80BVM6	FXCQ125BVM6
Power supply	1-phase, 220-240 V/50 Hz						
Cooling capacity	Btu/h	9,600	12,300	15,400	19,100	24,200	30,700
	kW	2.8	3.6	4.5	5.6	7.1	9.0
Heating capacity	Btu/h	10,900	13,600	17,100	21,500	27,300	34,100
	kW	3.2	4.0	5.0	6.3	8.0	10.0
Casing	Galvanised steel plate						
Airflow rate (HH/M/L)	m³/min	11.5/10.5/9.5/8.5	12/11/10.5/9.5/8.5	15/14/13/11.5/10.5	16/15/14/12.5/11.5	26/24/22.5/20.5/18.5	32/29.5/27.5/25/22.5
	cfm	406/371/335/300/282	424/388/371/335/300	530/494/459/406/371	565/530/494/441/406	918/847/794/724/653	1130/1041/971/883/794
Sound level (H/L) 220 V	dBA	34/33/31/30/29	34/33/32/31/30	36/35/33/32/31	37/36/35/33/31	39/38/37/35/32	42/40/38/36/33
Dimensions (HxWxD)	mm	305x775x620					305x1,445x620
Machine weight	kg	19					33
Piping connections	Liquid (Flare)	Ø 6.4					Ø 9.5
	Gas (Flare)	Ø 12.7					Ø 15.9
	Drain	VP25 (External Dia. 32/Internal Dia. 25)					VP25 (External Dia. 32/Internal Dia. 25)
Panel (Option)	Model	BYBCQ40CF		BYBCQ63CF		BYBCQ125CF	
	Colour	Fresh white (6.5Y 9.5/0.5)					
	Dimensions(HxWxD)	mm	55x1,070x700		55x1,285x700		55x1,740x700
	Weight	kg	10		11		13

Ceiling Mounted Cassette Corner Type



MODEL	FXKQ32ARV16	FXKQ40ARV16
Power supply	1 phase, 220-240 V, 50 Hz	1 phase, 220-240 V, 50 Hz
★1 ★3 Cooling capacity	Btu/h	12,300
	kW	3.6
★2 ★3 Heating capacity	Btu/h	12,300
	kW	3.6
Casing / Colour	Galvanized steel plate	
Dimensions: (H x W x D)	mm	145 x 1,210 x 523
		145 x 1,210 x 523
Fan	Airflow rate (H / HM / M / ML / L)	9.7 / 9.3 / 8.9 / 8.7 / 8.5
		11.1 / 10.3 / 9.5 / 9.0 / 8.6
Piping connections	cfm	342 / 328 / 314 / 307 / 300
	Liquid pipes	Ø 6.4 (flare connection)
	Gas pipes	Ø 12.7 (flare connection)
Mass	mm	Ø 26 (hole)
	kg	Ø 26 (hole)
★4 Sound pressure level (H / HM / M / ML / L)	dBA	36 / 35 / 34 / 34 / 33
		39 / 37 / 36 / 35 / 34
Decoration panel (option)	Model	Fuse
		BYKQ63AHW / BYKQ63AHS / BYKQ63AW
	Colour	White / Silver
Dimensions: (H x W x D)	mm	41 x 1390 x 595
		Air filter
Mass	kg	Resin net (with mould resistance)
		6.6

Note:

- ★1. Indoor temp.: 27°CDB, 19°CWB / outdoor temp.: 35°CDB, 24°CWB / Equivalent piping length: 7.5 m, height difference: 0 m.
- ★2. Indoor temp.: 20°CDB, 15°CWB / outdoor temp.: 7°CDB, 6°CWB / Equivalent piping length: 7.5 m, height difference: 0 m.
- ★3. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.
- ★4. Anechoic chamber conversion value, measured at a point 1 m in front of the unit and 1.0 m downward. During actual operation, these values are normally somewhat higher as a result of ambient conditions.

Conversion formulae
kcal/h = kW x 860
Btu/h = kW x 3,412
cfm = m³/min x 35.3
l/s = m³/min x 1,000/60

Specifications



VRV Indoor Units



MODEL		FXKQ50ARV16	FXKQ63ARV16
Power supply		1 phase, 220-240 V, 50 Hz	1 phase, 220-240 V, 50 Hz
★1 ★3 Cooling capacity	Btu/h	19,100	24,200
	kW	5.6	7.1
★2 ★3 Heating capacity	Btu/h	19,100	24,200
	kW	5.6	7.1
Casing / Colour		Galvanized steel plate	Galvanized steel plate
Dimensions: (H x W x D)	mm	145 x 1,210 x 523	145 x 1,210 x 523
Fan	Airflow rate (H / HM / M / ML / L)	m³/min	13.2 / 12.2 / 11.1 / 10.3 / 9.5
		cfm	466 / 431 / 392 / 364 / 335
Piping connections	Liquid pipes	mm	ø6.4 (flare connection)
	Gas pipes	mm	ø12.7 (flare connection)
	Drain pipe	mm	ø26 (hole)
Mass	kg	20	20
★4 Sound pressure level (H / HM / M / ML / L)	dBA	43 / 41 / 39 / 37 / 36	49 / 47 / 45 / 43 / 41
Decoration panel (option)	Model		BYKQ63AHW / BYKQ63AHS / BYKQ63AW
	Colour		White / Silver
	Dimensions: (H x W x D)	mm	41 x 1390 x 595
	Air filter		Resin net (with mould resistance)
	Mass	kg	6.6

Note:

- ★1. Indoor temp.: 27°CDB, 19°CWB / outdoor temp.: 35°CDB, 24°CWB / Equivalent piping length: 7.5 m, height difference: 0 m.
- ★2. Indoor temp.: 20°CDB, 15°CWB / outdoor temp.: 7°CDB, 6°CWB / Equivalent piping length: 7.5 m, height difference: 0 m.
- ★3. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.
- ★4. Anechoic chamber conversion value, measured at a point 1 m in front of the unit and 1.0 m downward. During actual operation, these values are normally somewhat higher as a result of ambient conditions.

Conversion formulae
kcal/h = kW x 860
Btu/h = kW x 3,412
cfm = m³/min x 35.3
l/s = m³/min x 1,000/60

Slim Ceiling Mounted Duct Type (700 mm width type)



MODEL	with drain pump	FXDQ20PDV36	FXDQ25PDV36	FXDQ32PDV36
Power supply		1-phase, 220-240 V/220 V, 50 Hz		
Cooling capacity	Btu/h	7,500	9,600	12,300
	kW	2.2	2.8	3.6
Heating capacity	Btu/h	8,500	10,900	13,600
	kW	2.5	3.2	4.0
Casing				
Galvanised steel plate				
Airflow rate (HH/H/L)	m³/min	8.0/7.2/6.4	8.0/7.2/6.4	8.0/7.2/6.4
	cfm	282/254/226	282/254/226	282/254/226
External static pressure				
Pa				
30-10 ²				
Sound level (HH/H/L) ¹⁺³				
dBA				
33/31/29				
Dimensions (HxWxD)				
mm				
200x700x620				
Machine weight				
kg				
23.0				
Piping connections	Liquid (Flare)	ø 6.4	ø 6.4	ø 6.4
	Gas (Flare)	ø 12.7	ø 12.7	ø 12.7
	Drain			
VP20 (External Dia, 26/Internal Dia, 20)				

Specifications



VRV Indoor Units

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



MODEL	with drain pump	FXDQ40NDV36	FXDQ50NDV36	FXDQ63NDV36
Power supply				
Cooling capacity	Btu/h	15,400	19,100	24,200
	kW	4.5	5.6	7.1
Heating capacity	Btu/h	17,100	21,500	27,300
	kW	5.0	6.3	8.0
Casing				
Galvanised steel plate				
Airflow rate (HH/H/L)	m³/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	dBA	34/32/30	35/33/31	36/34/32
	Pa	200x900x620	200x900x620	200x1,100x620
Dimensions (HxWxD)				
mm				
Machine weight				
kg				
Piping connections	Liquid (Flare)	ø 6.4	ø 6.4	ø 9.5
	Gas (Flare)	ø 12.7	ø 12.7	ø 15.9
	Drain	VP20 (External Dia, 26/Internal Dia, 20)		

Note: Specifications are based on the following conditions:

- Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
- Heating: Indoor temp.: 20°CDB, Outdoor temp.: 7°CDB, 6°CWB Equivalent piping length: 7.5 m, Level difference: 0 m.
- Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index.
- 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-P: external static pressure of 10 Pa; FXDQ-N: external static pressure of 15 Pa.
- 2: External static pressure is changeable to set by remote controller. This pressure means "High static pressure - Standard".
- Factory setting is 10 Pa for FXDQ-P models and 15 Pa for FXDQ-N 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 dBA.

Ceiling Mounted Duct Type



MODEL	FXMQ20PBV36	FXMQ25PBV36	FXMQ32PBV36	FXMQ40PBV36	FXMQ50PBV36
Power supply					
Cooling capacity	Btu/h	7,500	9,600	12,300	15,400
	kW	2.2	2.8	3.6	4.5
Heating capacity	Btu/h	8,500	10,900	13,600	17,100
	kW	2.5	3.2	4.0	5.0
Casing					
Galvanised steel plate					
Airflow rate (HH/H/L)	m³/min	9/7.5/6.5	9.5/8/7	16/13/11	18/16.5/15
	cfm	318/265/230	335/282/247	565/459/388	635/582/530
External static pressure					
Pa					
30-100 (50)*²					
Sound level (HH/H/L)					
dBA					
33/31/29					
Dimensions (HxWxD)					
mm					
300X700X700					
Machine weight					
kg					
Piping connections	Liquid (Flare)	ø 6.4			
	Gas (Flare)	ø 12.7			
	Drain	VP25 (External Dia, 32/Internal Dia, 25)			

Mid Static Pressure Ceiling Mounted Duct Type



MODEL	with drain pump	FXMQ40ARV16	FXMQ50ARV16	FXMQ63ARV16	FXMQ80ARV16	FXMQ100ARV16
Power supply						
Cooling capacity	Btu/h	15,400	19,100	24,200	30,700	38,200
	kW	4.5	5.6	7.1	9.0	11.2
Heating capacity	Btu/h	17,100	21,500	27,300	34,100	42,700
	kW	5.0	6.3	8.0	10.0	12.5
Casing						
Galvanized Steel Plate						
Airflow rate (HH/H/L)	m³/min	15/12	19/16	24/20	30/25	34/29
	cfm	530/425	671/565	848/706	1060/883	1200/1024
External static pressure						
Pa						
30-50						
Sound level (H/L)						
dBA						
39/37						
41/39						
Dimensions (HxWxD)						
mm						
300x700x700						
Machine weight						
kg						
Piping connections	Liquid (Flare)	6.4 (Flare Connection)				9.5 (Flare Connection)
	Gas (Flare)	12.7 (Flare Connection)				15.9 (Flare Connection)
	Drain	VP25 (External Dia, 32, Internal Dia, 25)				

Note: Specifications are based on the following conditions:

- Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
- Heating: Indoor temp.: 20°CDB, Outdoor temp.: 7°CDB, 6°CWB Equivalent piping length: 7.5 m, Level difference: 0 m.
- Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index.
- 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.

MODEL	FXMQ63PBV36	FXMQ80PBV36	FXMQ100PBV36	FXMQ125PBV36	FXMQ140PBV36
Power supply					
Cooling capacity	Btu/h	24,200	30,700	38,200	47,800
	kW	7.1	9.0	11.2	14.0
Heating capacity	Btu/h	27,300	34,100	42,700	54,600
	kW	8.0	10.0	12.5	16.0
Casing					
Galvanised steel plate					
Airflow rate (HH/H/L)	m³/min	19.5/17.5/16	25/22.5/20	32/27/23	39/33/28
	cfm	688/618/565	883/794/706	1,130/953/812	

Specifications



VRV Indoor Units

Ceiling Mounted Duct Type



MODEL		FXMQ170NVE6	FXMQ200NVE6	FXMQ250NVE6	
Power supply		1-phase, 220, 240 V/220 V, 50 Hz			
Cooling capacity	Btu/h	65,800	76,400	95,500	
	kW	19.3	22.4	28	
Heating capacity	Btu/h	71,600	83,300	1,07,500	
	kW	21	25	31.5	
Casing					
Airflow rate (H/L)	m ³ /min	58/50	68/58	80/73	
	cfm	2,047/1,765	2400/2,047	2,825/2,578	
External static pressure	Pa	100-140 * ²	100-200 * ²	190-270 * ²	
Sound level (H/L) 220V	dBA	45/42	47/45	49/47	
Dimensions (HxWxD)	mm	440x1,190x1,090	440x1,490x1,090		
Machine weight	kg	110	130		
Piping connections	Liquid (Flare)	Ø 9.5			
	Gas (Flare)	Ø 19.1			
	Drain	External Dia 32			

4-way Flow Ceiling Suspended Type



MODEL		FXUQ71AVEB	FXUQ100AVEB	
Power supply		1-phase, 220-240 V/220-230V, 50 Hz		
Cooling capacity	Btu/h	27,300	38,200	
	kW	8.0	11.2	
Heating capacity	Btu/h	30,700	42,700	
	kW	9.0	12.5	
Casing				
Airflow rate (H/L)	m ³ /min	22.5/19.5/16	31/26/21	
	cfm	794/688/565	1,094/918/741	
Sound level (H/M/L)	dBA	40/38/36	47/44/40	
Dimensions (HxWxD)	mm	198x950x950		
Machine weight	kg	26	27	
Piping connections	Liquid (Flare)	Ø 9.5		
	Gas (Flare)	Ø 15.9		
	Drain	VP20 (External Dia, 26/Internal Dia, 20)		

- 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.
- 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 Suspended Type



MODEL		FXHQ32MAVE	FXHQ63MAVE	FXHQ100MAVE	FXHQ125BVM6	FXHQ140BVM6
Power supply		1-phase, 220-240 V/220 V, 50/60 Hz				1-phase, 220-240 V/220-230 V, 50/60 Hz
Cooling capacity	Btu/h	12,300	24,200	38,200	48,000	52,900
	kW	3.6	7.1	11.2	14.1	15.5
Heating capacity	Btu/h	13,600	27,300	42,700	54,600	58,000
	kW	4.0	8.0	12.5	16.0	17.0
Airflow rate (H/M/L)	m ³ /min	12/-/10	17.5/-/14	25/-/19.5	34/26/20	36/27/20
	cfm	424/-/353	618/-/494	883/-/688	1,200/918/706	1,271/953/706
Sound level (H/M/L)	dBA	36/-/31	39/-/34	45/-/37	46/41/37	48/42/37
Dimensions (HxWxD)	mm	195x960x680	195x1,160x680	195x1,400x680	235x1,590x690	
Machine weight	kg	24	28	33	41	
Piping connections	Liquid (Flare)	Ø 6.4			Ø 9.5	
	Gas (Flange)	Ø 12.7			Ø 15.9	
	Drain	VP20 (External Dia, 26/Internal Dia, 20)				

Note: Specifications are based on the following conditions

- Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
- Heating: Indoor temp.: 20°CDB, Outdoor temp.: 7°CDB, 6°CWB Equivalent piping length: 7.5 m, Level difference: 0 m.
- Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index.
- 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.
- Power consumption values are based on conditions of standard external static pressure.
- External static pressure is changeable to change over the connectors inside electrical box, this pressure means "Standard-High static pressure".

Wall Mounted Type



Model Name		FXAQ20ARVE6	FXAQ25ARVE6	FXAQ32ARVE6	FXAQ40ARVE6	FXAQ50ARVE6	FXAQ63ARVE6	FXAQ71BRV16	FXAQ80ARV16	FXAQ90ARV16
Power supply		1-phase, 220 V/220 V, 50 Hz								1φ, 220-240V, 50/60 Hz
Cooling capacity	Btu/h	7,500	9,600	12,300	15,400	19,100	24,200	27297	30,708	34,121
	kW	2.2	2.8	3.6	4.5	5.6	7.1	8	9	10
Heating capacity	Btu/h	8,500	10,900	13,600	17,100	21,500	27,300	30,027	34,210	37,533
	kW	2.5	3.2	4.0	5.0	6.3	8.0	8.8	10	11
Casing Color										
Dimensions(H*W*D)										
Airflow rate (H/HM/M/ML/L)	mm	298x929x258						325 X1060 X 278	325 X 1220 X 278	
	m ³ /min	7.5/4.5	9/5	11/5.5	13/9	15/12	19/14	22/20.4/19.8/19.1/18	23.8/22.5/21.3/20.6/19.6	28.9/27.4/25.7/23.8/22
Sound level (H/HM/M/ML/L)	cfm	265/159	318/177	388/194	459/318	530/424	671/494	778/720/698/676/639	839/796/752/726/692	1021/969/909/839/778
	db(A)	35/31	36/31	38/31	39/34	42/37	47/41	51/49/47/46/44	51/49/48/47/46	55/53/52/50/49
Machine weight										
Piping connections	Liquid	Ø 6.4			Ø 9.5			Ø 9.5		
	Gas	Ø 12.7			Ø 15.9			Ø 15.9		
	Drain	VP13 (External Dia, 18/Internal Dia, 13)								

Specifications



VRV Indoor Units

Floor Standing Type/Concealed Floor Standing Type



MODEL		FXLQ32MAVE8	FXLQ50MAVE8	FXLQ63MAVE8
FXNQ32MAVE8		FXNQ50MAVE8	FXNQ63MAVE8	
Power supply				
Cooling capacity	Btu/h	12,300	19,100	24,200
	kW	3.6	5.6	7.1
Heating capacity	Btu/h	13,600	21,500	27,300
	kW	4.0	6.3	8.0
Casing				
FXLQ: Ivory white (5Y7.5/1)/FXNQ: Galvanised steel plate				
Airflow rate (H/L)	m ³ /min	8/6	14/11	16/12
	cfm	282/212	494/388	565/424
Sound level (H/L) 220V	dBA	35/32	39/34	40/35
Dimensions (HxWxD)	FXLQ	600x1,140x222	600x1,420x222	600x1,420x222
	FXNQ	610x1,070x220	610x1,350x220	610x1,350x220
Machine weight	FXLQ	30.0	36.0	36.0
	FXNQ	23.0	27.0	27.0
Piping connections	Liquid (Flare)	Ø 6.4	Ø 6.4	Ø 9.5
	Gas (Flare)	Ø 12.7	Ø 12.7	Ø 15.9
	Drain	21O.D.		

Note: Specifications are based on the following conditions:

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

Floor Standing Duct Type



MODEL		FXVQ125NY1R	FXVQ200NY1R	FXVQ250NY1R	FXVQ400NY1R	FXVQ500NY16R
Power supply						
		3-phase 4-wire system, 380 -415 V, 50 Hz				
Cooling capacity	Btu/h	47,800	76,400	95,500	1,54,000	1,91,000
	kW	14.0	22.4	28.0	45.0	56.0
Heating capacity	Btu/h	54,600	85,300	1,07,500	1,71,000	2,15,000
	kW	16.0	25.0	31.5	50.0	63.0
Casing colour						
Ivory white (5Y7.5/1)						
Dimensions (HxWxD)	mm	1670x750x510	1670x950x510	1670x1170x510	1900x1170x720	1900x1470x720
Machine weight	kg	118	144	169	236	306
Airflow rate	m ³ /min	43	69	86	134	172
	cfm	1,518	2,436	3,036	4,730	6,072
External static Pressure*2	Pa	152	217	281	420	390
Drive system						
Belt drive system						
Air Filter	Type	Long-life filter (anti-mould resin net)				
Sound level *1	dBA	52	56	60	65	66
Piping connections	Liquid (Flare)	mm	9.5 (Brazing)		12.7 (Brazing)	15.9 (Brazing)
	Gas (Flare)		15.9 (Brazing)	19.1 (Brazing)	22.2 (Brazing)	28.6 (Brazing)
	Drain		Rp1 (PS 1B internal thread)			

Note: 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°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.
- *1: Sound level : measured when the air discharge outlet duct (2 m) is attached (anechoic chamber conversion value). It increases by approximately 5 dBA when the plenum chamber is installed to deliver direct airflow.
- *2: The value is the external static pressure with standard pulley.

Multi Cube (Spot AC) type



MODEL		FXPQ25AVM	
Power Supply		1 Phase, 50Hz, 220-240 V	
Capacity (watt)		Cooling	2800
		Heating	3200
Dimension (HXWxD) mm			455X555X470
Casing			Galvanised Steel plate
Fan			Propeller Fan
Airflow Rate (H/L)	CMH	13.5 / 11.0	
	CFM	477 / 393	
External Static Pressure PA		5	
Drive		Direct Drive	
Sound Level		dBA	51
Machine Weight		Kg	30
Piping Connections		Liquid Pipe	6.4mm dia (Flare Connection)
		Gas Pipe	12.7mm dia (Flare Connection)
		Drain Pipe	(External dia 27.2mm, internal dia 21.6mm)
Refrigerant Control			Electronic Expansion Valve
Air Filter			Long Life Filter (Resin Net)

Specifications



Outdoor Units

VRV α™ (Cooling Only)

MODEL		RXQ6BRY16	RXQ8BRY16	RXQ10BRY16	RXQ12BRY16
Combination units		—	—	—	—
Power supply		3 PHASE, 50Hz , 380-415 V			
Cooling capacity	Blu/h	54600	76400	95500	114000
	kW	16	22.4	28	33.5
ISEER		w/w	10.90	9.66	11.44
Capacity Control		%	11-100	11-100	13-100
Compressor	Type	Hermetically Sealed Scroll Type			
	No. of compressor	1			
Airflow rate		m³/min	158	158	174
Dimensions (HxWxD)		mm	1660 x 930 x 765		1660 x 1240 x 765
Machine weight		kg	195	195	202
Sound level		dBA	56	56	59
Operation range	Cooling	°CDB	10 ~ 55		
Refrigerant	Type	R410A			
	Charge	kg	7.1	7.2	7.4
Piping connections	Liquid	mm	Ø 9.5		Ø 12.7
	Gas	mm	Ø 19.1		Ø 22.2
				Ø 28.6	

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
- 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.
- (ES) for anticorrosion treated outdoor unit.

VRV α™ (Cooling Only)

					RXQ28BRY16	RXQ30BRY16	RXQ32BRY16
—	—	—	—	—	RXQ14BRY16	RXQ12BRY16	RXQ14BRY16
—	—	—	—	—	RXQ14BRY16	RXQ18BRY16	RXQ18BRY16
171000	191000	210000	229000	249000	273000	285000	307000
50	56	61.5	67	73	80.0	83.5	90
8.56	8.38	9.09	8.88	8.42	8.67	9.69	8.57
8-100	8-100	8-100	8-100	8-100	5 - 100	5 - 100	5 - 100
3 PHASE, 50Hz , 380-415 V							
Hermetically Sealed Scroll Type							
1					1+1		
266	306	430	430	411	237+237	185+266	237+266
1660 x 1240 x 765		1660 x 1750 x 765			(1660 x 1240 x 765)+(1660 x 1240 x 765)	(1660 x 930 x 765)+(1660 x 1240 x 765)	(1660 x 1240 x 765)+(1660 x 1240 x 765)
262	285	324	324	350	240+240	202+262	240+262
64	66	67	68	68	65	65	66
10~55							
R410A							
10.1	11.7	11.7	11.7	11.7	9.6+9.6	7.5+10.1	9.6+10.1
Ø 15.9				Ø 19.5	Ø 19.1		
Ø 28.6			Ø 34.9		Ø 34.9		

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
- 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.
- (ES) for anticorrosion treated outdoor unit.

Specifications



Outdoor Units

VRV α™ (Cooling Only)

MODEL	RXQ34BRY16	RXQ36BRY16	RXQ38BRY16	RXQ40BRY16	RXQ42BRY16	RXQ44BRY16		
Combination units	RXQ16BRY16	RXQ18BRY16	RXQ14BRY16	RXQ14BRY16	RXQ18BRY16	RXQ18BRY16		
	RXQT8BRY16	RXQT8BRY16	RXQ24BRY16	RXQ26BRY16	RXQ24BRY16	RXQ26BRY16		
	—	—	—	—	—	—		
Power supply	3 PHASE, 50Hz , 380-415 V							
Cooling capacity	Btu/h	324000	341000	365000	386000	399000	420000	
	kW	95	100	107	113	117	123	
ISEER	w/w	8.50	8.34	8.77	8.45	8.73	8.63	
Capacity Control	%	4 - 100	4 - 100	4 - 100	4 - 100	4 - 100	4 - 100	
Compressor	Type	Hermetically Sealed Scroll Type						
	No. of compressor	1+1						
Airflow rate	m³/min	266+266	266+266	237+430	237+411	266+430	266+411	
Dimensions (HxWxD)	mm	(1660 x 1240 x 765)+(1660 x 1240 x 765)		(1660 x 1240 x 765)+(1660 x 1750 x 765)				
Machine weight	kg	262+262	262+262	240+324	240+350	262+324	262+350	
Sound level	dBA	67	68	69	69	70	70	
Operation range	Cooling	°CDB	10 ~ 55					
Refrigerant	Type	R410A						
	Charge	kg	10+10.1	10.1+10.1	9.6+11.7	9.6+11.7	10.1+11.7	10.1+11.7
Piping connections	Liquid	mm	ø 19.1					
	Gas	mm	ø 41.3					

Note: Specifications are based on the following conditions:

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

VRV α™ (Cooling Only)

RXQ46BRY16	RXQ48BRY16	RXQ50BRY16
RXQ22BRY16	RXQ24BRY16	RXQ24BRY16
RXQ24BRY16	RXQ24BRY16	RXQ26BRY16
—	—	RXQ18BRY16
3 PHASE, 50Hz , 380-415 V		
440000	457000	478000
129	134	140
8.39	8.71	8.63
4 - 100	4 - 100	4 - 100
Hermetically Sealed Scroll Type		
1+1		
430+430	430+430	430+411
(1660 x 1750 x 765)+(1660 x 1750 x 765)	(1660 x 1750 x 765)+(1660 x 1750 x 765)	411+411
324+324	324+324	324+350
71	72	72
10 ~ 55		
R410A		
11.7+11.7	11.7+11.7	11.7+11.7
10.1+10.1+10.1	10.1+10.1+10.1	11.7+11.7
7.5+10.1+11.7	7.5+10.1+11.7	9.6+10.1+11.7
10.1+10.1+11.7	10.1+10.1+11.7	10.1+10.1+11.7
ø 19.1		
ø 41.3		

Note: Specifications are based on the following conditions:

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

Specifications



Outdoor Units

VRV α™ (Cooling Only)

MODEL		RXQ62BRY16	RXQ64BRY16	RXQ66BRY16	RXQ68BRY16	RXQ70BRY16	RXQ72BRY16
Combination units		RXQ18BRY16	RXQ12BRY16	RXQ18BRY16	RXQ18BRY16	RXQ18BRY16	RXQ24BRY16
RXQ18BRY16		RXQ26BRY16	RXQ24BRY16	RXQ24BRY16	RXQ26BRY16	RXQ24BRY16	RXQ24BRY16
RXQ26BRY16		RXQ26BRY16	RXQ24BRY16	RXQ24BRY16	RXQ26BRY16	RXQ26BRY16	RXQ24BRY16
Power supply		3 PHASE, 50Hz, 380-415 V					
Cooling capacity	Btu/h	590000	611000	628000	648000	669000	686000
	kW	173	179	184	190	196	201
ISEER		w/w	8.61	9.22	8.36	8.58	8.52
Capacity Control		%	2 - 100	2 - 100	2 - 100	2 - 100	3 - 100
Compressor	Type	Hermetically Sealed Scroll Type					
	No. of compressor	1+1+1					
Airflow rate		m³/min	266+266+430	185+411+411	266+430+430	266+430+411	261+411+411
Dimensions (HxWxD)		mm	(1660x1240x765) (1660x930x765) (1660x1240x765)+ (1,660x1,750x765)+ (1,660x1,750x765)+ (1,660x1,750x765)	(1660x1240x765) (1660x1240x765) (1,660x1,750x765)+ (1,660x1,750x765)+ (1,660x1,750x765)	(1660x1240x765)+ (1,660x1,750x765)+ (1,660x1,750x765)+ (1,660x1,750x765)	(1660x1750x765) (1,660x1,750x765)+ (1,660x1,750x765)+ (1,660x1,750x765)	(1660x1750x765) (1,660x1,750x765)+ (1,660x1,750x765)+ (1,660x1,750x765)
Machine weight		kg	262+262+350	202+350+350	262+324+324	262+324+350	262+350+350
Sound level		dBA	71	72	72	72	73
Operation range	Cooling	°CDB	10 ~ 55				
Refrigerant	Type	R410A					
	Charge	kg	10.1+10.1+11.7	7.5+11.7+11.7	10.1+11.7+11.7	10.1+11.7+11.7	10.1+11.7+11.7
Piping connections	Liquid	mm	ø 19.1				
	Gas	mm	ø 41.3				

Note: Specifications are based on the following conditions:

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

VRV α™ (Cooling Only)

MODEL		RXQ74BRY16	RXQ76BRY16	RXQ78BRY16	RXQ24BRY16	RXQ26BRY16	RXQ28BRY16
Combination units		RXQ24BRY16	RXQ24BRY16	RXQ26BRY16	RXQ24BRY16	RXQ26BRY16	RXQ28BRY16
RXQ24BRY16		RXQ24BRY16	RXQ26BRY16	RXQ28BRY16	RXQ24BRY16	RXQ26BRY16	RXQ28BRY16
Power supply		3 PHASE, 50Hz, 380-415 V					
Cooling capacity	Btu/h	706000	727000	747000	706000	727000	747000
	kW	207	213	219	207	213	219
ISEER		w/w	8.56	8.55	8.40	8.56	8.55
Capacity Control		%	3 - 100	3 - 100	3 - 100	3 - 100	3 - 100
Compressor	Type	Hermetically Sealed Scroll Type					
	No. of compressor	1+1+1					
Airflow rate		m³/min	430+430+411	430+411+411	411+411+411	430+430+411	430+411+411
Dimensions (HxWxD)		mm	(1,660 x 1,750 x 765)+(1,660 x 1,750 x 765)+(1,660 x 1,750 x 765)				
Machine weight		kg	324+324+350	324+350+350	350+350+350	324+324+350	324+350+350
Sound level		dBA	73	73	73	73	73
Operation range	Cooling	°CDB	10 ~ 55				
Refrigerant	Type	R410A					
	Charge	kg	11.7+11.7+11.7	11.7+11.7+11.7	11.7+11.7+11.7	11.7+11.7+11.7	11.7+11.7+11.7
Piping connections	Liquid	mm	ø 22.2				
	Gas	mm	ø 41.3				

Note: Specifications are based on the following conditions:

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

Specifications



Outdoor Units

VRV α™ (Heat Pump)

MODEL		RXYQ6BRY16	RXYQ8BRY16	RXYQ10BRY16	RXYQ12BRY16	RXYQ14BRY16	RXYQ16BRY16			
Combination units		—	—	—	—	—	—			
Power supply		3 PHASE, 50Hz, 380-415 V								
Cooling capacity	Btu/h	54600	76400	95500	114000	136000	154000			
	kW	16	22.4	28	33.5	40	45			
Heating capacity	Btu/h	61400	85300	107000	128000	154000	171000			
	kW	18.0	25.0	31.5	37.5	45.0	50.0			
ISEER		w/w	10.90	9.66	11.40	10.81	8.67	8.47		
Capacity control		%	11-100	11-100	13-100	12-100	7-100	6-100		
Compressor	Type	Hermetically Sealed Scroll Type								
	No. of compressors	1			1+1					
Airflow rate		m³/min	155	155	169	181	260	266		
Dimensions (HxWxD)		mm	1660 x 930 x 765			1660 x 1240 x 765				
Machine weight		kg	210	210	220	220	305	305		
Sound level (C/H)		dBA	56/56	56/56	57/58	60/62	61/61	61/61		
Operation range	Cooling	°CDB	-5 ~ 55					-5 ~ 55		
	Heating	°CWB	-25 ~ 15.5							
Refrigerant	Type	R410A						R410A		
	Charge	kg	6.8	6.9	7.1	7.2	9.7	9.9		
Piping connections	Liquid	mm	ø 9.5		ø 12.7		ø 15.9	ø 19.1		
	Gas	mm	ø 19.1		ø 22.2					

Specifications



Outdoor Units

VRV α™ (Heat Pump)

MODEL		RXYQ30BRY16	RXYQ32BRY16	RXYQ34BRY16	RXYQ36BRY16	RXYQ38BRY16	RXYQ40BRY16	
Combination units	RXYQ12BRY16	RXYQ12BRY16	RXYQ12BRY16	RXYQ12BRY16	RXYQ12BRY16	RXYQ20BRY16		
	RXYQ18BRY16	RXYQ20BRY16	RXYQ22BRY16	RXYQ24BRY16	RXYQ26BRY16	RXYQ20BRY16		
	-	-	-	-	-	-		
Power supply		3 PHASE, 50Hz, 380-415 V						
Cooling capacity	Btu/h	285000	305000	324000	341000	362000	382000	
	kW	83.5	89.5	95	100	106	112	
Heating capacity	Btu/h	319000	341000	362000	375000	375000	430000	
	kW	93.5	100	106	110	110	126	
ISEER		w/w	9.33	9.15	9.96	9.84	9.29	
Capacity control		%	3 - 100	3 - 100	3 - 100	4 - 100	3 - 100	
Compressor	Type	Hermetically Sealed Scroll Type						
	No. of compressors	2+1			2+2			
Airflow rate		m³/min	181+258	181+306	430+181	181+430	181+430	
Dimensions (HxWxD)		mm	(1660 x 1240 x 765) + (1660 x 930 x 765)		(1,660 x 1,750 x 765) + (1660 x 930 x 765)		(1660 x 1240 x 765) + (1660 x 1240 x 765)	
Machine weight		kg	220 + 335	220 + 335	220+380	220+380	335 + 335	
Sound level (C/H)		dBA	64/65	66/67	68/68	69/69	69/69	
Operation range	Cooling	°CDB	-5 ~ 55					
	Heating	°CWB	-25 ~ 15.5					
Refrigerant	Type	R410A						
	Charge	kg	7.2+11.7	7.2+11.7	7.2+11.7	7.2+11.7	11.7+11.7	
Piping connections	Liquid	mm	ø 19.1					
	Gas	mm	ø 34.9		ø 41.3			

Note: Specifications are based on the following conditions:

- Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5m, Level difference: 0.
- Heating: Indoor temp.: 20°CDB, Outdoor temp.: 7°CDB, 6°CWB, Equivalent piping length: 7.5m, Level difference: 0m.
- Sound level: Anechoic chamber conversion value, measured at a point 1m in front of the unit at a height of 1.5m.

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

VRV α™ (Heat Pump)

MODEL		RXYQ42BRY16	RXYQ44BRY16	RXYQ46BRY16	RXYQ48BRY16	RXYQ50BRY16	RXYQ52BRY16
Combination units	RXYQ16BRY16	RXYQ20BRY16	RXYQ20BRY16	RXYQ22BRY16	RXYQ24BRY16	RXYQ26BRY16	RXYQ26BRY16
	RXYQ26BRY16	RXYQ24BRY16	RXYQ26BRY16	RXYQ26BRY16	RXYQ26BRY16	RXYQ26BRY16	RXYQ26BRY16
	-	-	-	-	-	-	-
Power supply		3 PHASE, 50Hz, 380-415 V					
Cooling capacity	Btu/h	403000	420000	440000	457000	478000	498000
	kW	118	123	129	134	140	146
Heating capacity	Btu/h	420000	464000	464000	485000	498000	498000
	kW	123	136.0	136.0	142	146	146
ISEER		w/w	8.12	8.63	8.01	8.31	8.26
Capacity control		%	3 - 100	2 - 100	2 - 100	3 - 100	3 - 100
Compressor	Type	Hermetically Sealed Scroll Type					
	No. of compressors	2+2					
Airflow rate		m³/min	266+430	306+430	430+306	430+430	430+430
Dimensions (HxWxD)		mm	(1660 x 1240 x 765) + (1660 x 1750 x 765)			(1660 x 1750 x 765) + (1660 x 1750 x 765)	
Machine weight		kg	305 + 380	335 + 380	380+335	380+380	380+380
Sound level (C/H)		dBA	69/69	71/71	70/70	71/71	71/71
Operation range	Cooling	°CDB	-5 ~ 55				
	Heating	°CWB	-25 ~ 15.5				
Refrigerant	Type	R410A					
	Charge	kg	11.7 +9.9	11.7+11.7	11.7+11.7	11.7+11.7	11.7+11.7
Piping connections	Liquid	mm	ø 19.1				
	Gas	mm	ø 41.3				

Note: Specifications are based on the following conditions:

- Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5m, Level difference: 0.
- Heating: Indoor temp.: 20°CDB, Outdoor temp.: 7°CDB, 6°CWB, Equivalent piping length: 7.5m, Level difference: 0m.
- Sound level: Anechoic chamber conversion value, measured at a point 1m in front of the unit at a height of 1.5m.

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

Specifications



Outdoor Units

VRV α™ (Heat Pump)

MODEL		RXYQ54BRY16	RXYQ56BRY16	RXYQ58BRY16	RXYQ60BRY16	RXYQ62BRY16	RXYQ64BRY16			
Combination units		RXYQ12BRY16	RXYQ12BRY16	RXYQ12BRY16	RXYQ12BRY16	RXYQ12BRY16	RXYQ12BRY16			
RXYQ16BRY16		RXYQ20BRY16	RXYQ20BRY16	RXYQ24BRY16	RXYQ24BRY16	RXYQ26BRY16	RXYQ26BRY16			
RXYQ26BRY16		RXYQ24BRY16	RXYQ24BRY16	RXYQ24BRY16	RXYQ24BRY16	RXYQ26BRY16	RXYQ26BRY16			
Power supply		3 PHASE, 50Hz, 380-415 V								
Cooling capacity	Btu/h	515000	532000	553000	570000	590000	611000			
	kW	151	156	162	167	173	179			
Heating capacity	Btu/h	546000	590000	590000	624000	624000	624000			
	kW	160	167	173	183	183	183			
ISEER		w/w	9.00	9.36	8.99	9.52	9.15			
Capacity control		%	2 - 100	2 - 100	2~100	2~100	3~100			
Compressor	Type	Hermetically Sealed Scroll Type								
	No. of compressors	1+2+2								
Airflow rate		m³/min	181+266+430	169+430+306	181+430+306	181+430+430	181+430+430			
Dimensions (HxWxD)		mm	(1660 x 930 x 765) + (1660 x 1240 x 765) + (1660 x 1750 x 765)		(1660 x 930 x 765) + (1660 x 1750 x 765) + (1660 x 1750 x 765)					
Machine weight		kg	220+305+380	220+335+380	220+335+380	220+380+380	220+380+380			
Sound level (C/H)		dBA	69/70	70/71	70/71	71/72	71/72			
Operation range	Cooling	°CDB	-5 ~ 55							
	Heating	°CWB	-25 ~ 15.5							
Refrigerant	Type	R410A								
	Charge	kg	7.2+9.9+11.7	7.1+11.7+11.7	7.2+11.7+11.7	7.2+11.7+11.7	7.2+11.7+11.7			
Piping connections	Liquid	mm	ø 19.1							
	Gas	mm	ø 41.3							

Note: Specifications are based on the following conditions:

- Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5m, Level difference: 0.
- Heating: Indoor temp.: 20°CDB, Outdoor temp.: 7°CDB, 6°CWB, Equivalent piping length: 7.5m, Level difference: 0m.
- Sound level: Anechoic chamber conversion value, measured at a point 1m in front of the unit at a height of 1.5m.

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

VRV α™ (Heat Pump)

RXYQ66BRY16		RXYQ68BRY16	RXYQ70BRY16	RXYQ72BRY16	RXYQ74BRY16	RXYQ76BRY16	RXYQ78BRY16						
RXYQ20BRY16		RXYQ16BRY16	RXYQ20BRY16	RXYQ22BRY16	RXYQ24BRY16	RXYQ26BRY16	RXYQ28BRY16						
RXYQ20BRY16		RXYQ26BRY16	RXYQ24BRY16	RXYQ26BRY16	RXYQ26BRY16	RXYQ26BRY16	RXYQ26BRY16						
RXYQ26BRY16		RXYQ26BRY16	RXYQ26BRY16	RXYQ26BRY16	RXYQ26BRY16	RXYQ26BRY16	RXYQ26BRY16						
3 PHASE, 50Hz , 380-415 V													
631000		652000	669000	689000	706000	727000	747000						
185		191	196	202	207	213	219						
679000		669000	713000	713000	734000	747000	747000						
199		196	209	209	215	219	219						
8.09		8.04	8.26	7.88	8.07	8.08	7.75						
2 - 100		2 - 100	2 - 100	2 - 100	2 - 100	2 - 100	2 - 100						
Hermetically Sealed Scroll Type													
2+2+2													
306+306+430		266+430+430	306+430+430	306+430+430	430+430+430	430+430+430	430+430+430						
(1660 x 1240 x 765) + (1660 x 1240 x 765) + (1660 x 1750 x 765)		(1660 x 1240 x 765) + (1660 x 1750 x 765) + (1660 x 1750 x 765)		(1,660 x 1,750 x 765) + (1,660 x 1,750 x 765) + (1,660 x 1,750 x 765)									
+ (1660 x 1750 x 765)		+ (1660 x 1750 x 765)		+ (1,660 x 1,750 x 765) + (1,660 x 1,750 x 765)									
335+335+380		305+380+380	335+380+380	335+380+380	380+380+380	380+380+380	380+380+380						
71/72		71/71	71/71	71/71	69/70	69/70	69/70						
-5 ~ 55													
-25 ~ 15.5													
R410A													
11.7+11.7+11.7		9.9+11.7+11.7	11.7+11.7+11.7	11.7+11.7+11.7	11.7+11.7+11.7	11.7+11.7+11.7	11.7+11.7+11.7						
11.7+11.7+11.7													
ø 19.1													
ø 22.2													
ø 41.3													

OUTDOOR UNIT COMBINATIONS



OUTDOOR UNIT COMBINATIONS							
Capacity (HP)	Capacity Index(CI)	Model Name	Combination for Heat Pump Models	Combination for Cooling only Models	"Outdoor unit multi connection piping kit*1"	"Total capacity index of connectable indoor units*2"	"Maximum number of connectable indoor units*2"
6	150	RX(Y)Q6BRY16	RXYQ6BRY16	RXQ6BRY16	-	75 to 195 (300)	9 (15)
8	200	RX(Y)Q8BRY16	RXYQ8BRY16	RXQ8BRY16	-	100 to 260 (400)	13 (20)
10	250	RX(Y)Q10BRY16	RXYQ10BRY16	RXQ10BRY16	-	125 to 325 (500)	16 (25)
12	300	RX(Y)Q12BRY16	RXYQ12BRY16	RXQ12BRY16	-	150 to 390 (600)	19 (30)
14	350	RX(Y)Q14BRY16	RXYQ14BRY16	RXQ14BRY16	-	175 to 455 (700)	22 (35)
16	400	RX(Y)Q16BRY16	RXYQ16BRY16	RXQ16BRY16	-	200 to 520 (800)	26 (40)
18	450	RX(Y)Q18BRY16	RXYQ18BRY16	RXQ18BRY16	-	225 to 585 (900)	29 (45)
20	500	RX(Y)Q20BRY16	RXYQ20BRY16	RXQ20BRY16	-	250 to 650 (1000)	32 (50)
22	550	RX(Y)Q22BRY16	RXYQ22BRY16	RXQ22BRY16	-	275 to 715 (990)	35 (49)
24	600	RX(Y)Q24BRY16	RXYQ24BRY16	RXQ24BRY16	-	300 to 780 (1080)	39 (54)
26	650	RX(Y)Q26BRY16	RXYQ26BRY16	RXQ26BRY16	-	325 to 845 (1040)	42 (52)
28	700	RX(Y)Q28BRY16	RXYQ12BRY16+RXYQ16BRY16	RXQ14BRY16+RXQ14BRY16	-	350 to 910 (1120)	45 (56)
30	750	RX(Y)Q30BRY16	RXYQ12BRY16+RXYQ18BRY16	RXQ12BRY16+RXQ18BRY16	-	375 to 975 (200)	48 (60)
32	800	RX(Y)Q32BRY16	RXYQ12BRY16+RXYQ20BRY16	RXQ14BRY16+RXQ18BRY16	-	400 to 1040 (1280)	52 (64)
34	850	RX(Y)Q34BRY16	RXYQ12BRY16+RXYQ22BRY16	RXQ16BRY16+RXQ18BRY16	-	425 to 1105 (1360)	55 (64)
36	900	RX(Y)Q36BRY16	RXYQ12BRY16+RXYQ24BRY16	RXQ18BRY16+RXQ18BRY16	-	450 to 1170 (1440)	58 (64)
38	950	RX(Y)Q38BRY16	RXYQ12BRY16+RXYQ26BRY16	RXQ14BRY16+RXQ24BRY16	-	475 to 1235 (1520)	61 (64)
40	1000	RX(Y)Q40BRY16	RXYQ20BRY16+RXYQ20BRY16	RXQ14BRY16+RXQ26BRY16	-	500 to 1300 (1600)	
42	1050	RX(Y)Q42BRY16	RXYQ16BRY16+RXYQ26BRY16	RXQ18BRY16+RXQ24BRY16	-	525 to 1365 (1680)	
44	1100	RX(Y)Q44BRY16	RXYQ20BRY16+RXYQ24BRY16	RXQ18BRY16+RXQ26BRY16	-	550 to 1430 (1760)	
46	1150	RX(Y)Q46BRY16	RXYQ20BRY16+RXYQ26BRY16	RXQ22BRY16+RXQ24BRY16	-	575 to 1495 (1840)	
48	1200	RX(Y)Q48BRY16	RXYQ22BRY16+RXYQ26BRY16	RXQ24BRY16+RXQ24BRY16	-	600 to 1560 (1920)	
50	1250	RX(Y)Q50BRY16	RXYQ24BRY16+RXYQ26BRY16	RXQ24BRY16+RXQ26BRY16	-	625 to 1625 (2000)	
52	1300	RX(Y)Q52BRY16	RXYQ26BRY16+RXYQ26BRY16	RXQ26BRY16+RXQ26BRY16	-	650 to 1690 (2080)	
54	1350	RX(Y)Q54BRY16	RXYQ12BRY16+RXYQ16BRY16	RXQ18BRY16+RXQ18BRY16+RXQ18BRY16	-	675 to 1755 (1755)	
56	1400	RX(Y)Q56BRY16	RXYQ12BRY16+RXYQ20BRY16	RXQ12BRY16+RXQ18BRY16+RXQ26BRY16	-	700 to 1820 (1820)	
58	1450	RX(Y)Q58BRY16	RXYQ12BRY16+RXYQ20BRY16	RXQ14BRY16+RXQ18BRY16+RXQ26BRY16	-	725 to 1885 (1885)	
60	1500	RX(Y)Q60BRY16	RXYQ12BRY16+RXYQ24BRY16	RXQ18BRY16+RXQ18BRY16+RXQ24BRY16	-	750 to 1950 (1950)	
62	1550	RX(Y)Q62BRY16	RXYQ12BRY16+RXYQ24BRY16	RXQ18BRY16+RXQ18BRY16+RXQ26BRY16	-	775 to 2015 (2015)	
64	1600	RX(Y)Q64BRY16	RXYQ12BRY16+RXYQ26BRY16	RXQ12BRY16+RXQ26BRY16+RXQ26BRY16	-	800 to 2080 (2080)	
66	1650	RX(Y)Q66BRY16	RXYQ20BRY16+RXYQ24BRY16	RXQ18BRY16+RXQ24BRY16+RXQ24BRY16	-	825 to 2145 (2145)	
68	1700	RX(Y)Q68BRY16	RXYQ16BRY16+RXYQ26BRY16	RXQ18BRY16+RXQ24BRY16+RXQ26BRY16	-	850 to 2210 (2210)	
70	1750	RX(Y)Q70BRY16	RXYQ20BRY16+RXYQ26BRY16	RXQ18BRY16+RXQ26BRY16+RXQ26BRY16	-	875 to 2275 (2275)	
72	1800	RX(Y)Q72BRY16	RXYQ20BRY16+RXYQ26BRY16	RXQ24BRY16+RXQ24BRY16+RXQ24BRY16	-	900 to 2340 (2340)	
74	1850	RX(Y)Q74BRY16	RXYQ22BRY16+RXYQ26BRY16	RXQ24BRY16+RXQ24BRY16+RXQ26BRY16	-	925 to 2405 (2405)	
76	1900	RX(Y)Q76BRY16	RXYQ24BRY16+RXYQ26BRY16	RXQ24BRY16+RXQ26BRY16+RXQ26BRY16	-	950 to 2470 (2470)	
78	1950	RX(Y)Q78BRY16	RXYQ26BRY16+RXYQ26BRY16	RXQ26BRY16+RXQ26BRY16+RXQ26BRY16	-	975 to 2535 (2535)	

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

*2 Values inside brackets are based on connection of indoor units rated at maximum capacity, 200% for single ODU units till 20HP, 180% for 22HP & 24HP and 160% for 26HP. 160% for double outdoor units, and 130% for triple outdoor units. Refer to page 16 for notes on connection capacity of indoor units.



OUTDOOR UNIT COMBINATIONS & OPTIONS LIST

OPTION LIST



VRV Indoor Units

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

No.	Item	Type	FXFSQ25A FXFSQ32A FXFSQ40A	FXFSQ50A FXFSQ63A FXFSQ80A	FXFSQ100A FXFSQ125A FXFSQ140A
1	Decoration panel	Standard panel	Fresh white Black	BYCQ125EAF6 * BYCQ125EAK *	
		Designer panel ¹	Fresh white	BYCQ125EAPF *	
		Auto grille panel ^{2,3}	Fresh white	BYCQ125EASF *	
		Sensing panel	Fresh white	BYCQ140EEF6 *	
			Black	BYCQ125EEK *	
2	Sealing material of air discharge outlet ⁴	For usage of 3-way flow For usage of 2-way flow		KDBH551C160 KDBH552C160	
3	Panel spacer			KDBP55H160FA	
4	Fresh air intake kit	Chamber type ^{5,6} With T-duct joint Direct installation type ⁷	KDDP55B160 (Components: KDDP55C160-1, KDDP55B160-2) ⁸ KDDP55B160K (Components: KDDP55C160-1, KDDP55B160K2) ⁸ KDDP55X160A		
5	High-efficiency filter unit ⁹ (Including filter chamber)	(Colorimetric method 65%) (Colorimetric method 90%)	KAFP556C80 KAFP557C80	KAFP556C160 KAFP557C160	
6	Replacement high-efficiency filter ^{9,10}	(Colorimetric method 65%) (Colorimetric method 90%)	KAFP552B80 KAFP553B80	KAFP552B160 KAFP553B160	
7	Filter chamber		KDDFP55C160		
8	Replacement long-life filter		KAFP551K160		
9	Replacement long-life filter (Auto grille panel)		KAFP551H160		
10	Ultra long-life filter unit (Including filter chamber) ⁹		KAFP55C160		
11	Replacement ultra long-life filter ^{9,10}		KAFP55H160H		
12	Branch duct chamber ⁴		KDJP55C80 KDTP55K80	KDJP55C160 KDTP55K160	
13	Insulation kit for high humidity ^{9,11}		KDTP55K80	KDTP55K160	

Note:
1. When installing designer panel, body height (ceiling required dimension) is 42 mm higher than standard panel. Designer panel cannot operate 2 and 3 way flow.

2. A dedicated wireless remote controller (BRC16A2) for the auto grille panel is included for lowering and raising the suction grille.

3. When installing auto grille panel, body height (ceiling required dimension) is 55 mm higher than standard panel.

4. Circulation airflow is not available with this option.

5. When installing a fresh air intake kit (chamber type), two air outlet corners are closed.

6. It is recommended that the volume of outdoor air introduced through the kit is limited to 10% of the maximum airflow rate of the indoor unit. Introducing higher quantities will increase the operating sound and may also influence temperature sensing.

7. The volume of fresh air for direct installation type is approximately 1% of the indoor unit airflow. The chamber type is recommended when more fresh air is necessary.

8. Please order using the names of both components instead of set name.

9. This option cannot be installed to designer panel and auto grille panel.

10. Filter chamber is required.

11. Please use in case temperature/humidity inside ceiling may get over 30°C, 80% RH.

*These panels do not contain the sensing function.

Ceiling Mounted Cassette (Compact Multi Flow) Type

FOR UNIT	MODEL
Decorative Panel	BYFQ60CBW6
Sensor Kit	BRYQ60AAW6
Wired Remote Controller	Standard
	Simple
	High End (Madoka)
Wireless Remote Controller	BRC7M530W6+BRC4M150W16
Fresh air intake kit	BAPWS55A61

Notes:

1. Installation box² 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.

Ceiling Mounted Cassette (Double Flow) Type

No.	Item	Type	FXCQ25A	FXCQ32A FXCQ40A	FXCQ50A	FXCQ63A	FXCQ80A	FXCQ125A
1	Decoration panel		BYBCQ40CF		BYBCQ125CF			
2	Filter related	High efficiency filter ¹	65% 90%	KAFP532B50 KAFP533B50	KAFP532B80 KAFP533B80	KAFP532B160 KAFP533B160		
		Filter chamber bottom suction		KDDFP53B50	KDDFP53B80	KDDFP53B160		
3	Remote controller	Wireless	H/P	KAFP531B50		KAFP531B80	KAFP531B160	
4	Navigation remote controller (Wired remote controller)				BRC7M65			
					BRCE63			

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

Ceiling Mounted Cassette Corner Type

Item	MODEL			
	FXKQ32ARV16	FXKQ40ARV16	FXKQ50ARV16	FXKQ63ARV16
Decoration panel	BYKQ63AHW (Surface colour: White / Base colour: Dark gray)			
	BYKQ63AHS (Surface colour: Silver / Base colour: Dark gray)			
PM2.5 filter	BYKQ63AW (Surface Colour: White/ Base Colour: White)			
	Initial installation kit (Frame + PM 2.5 filter) Model: BAF25A6			
Spacer Kit	Only PM 2.5 filter replacement Part No.: 3P454777-3			
	BKF25A6 / BKF25CA6 / BKF50CA6 / BKF75SA6			

C: 4D138977A

Slim Ceiling Mounted Duct Type (700 mm width type)

No.	Item	Type	FXDQ20PD	FXDQ25PD	FXDQ32PD
1	Insulation kit for high humidity			KDT25N32	

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

No.	Item	Type	FXDQ40ND	FXDQ50ND	FXDQ63ND
1	Insulation kit for high humidity		KDT25N50		KDT25N63

High Static Ceiling Mounted Duct Type

No.	Item	Type	FXMQ20P FXMQ25P FXMQ32P	FXMQ40PBV36	FXMQ50PBV36 FXMQ63PBV36	FXMQ100PBV36 FXMQ125PBV36 FXMQ80PBV36
1	Drain pump kit				—	
2	High efficiency filter	65% 90%	KAF372AA36	KAF372AA56	KAF372AA80	KAF372AA160
3	Filter chamber		—	KAF373AA56	KAF373AA80	KAF373AA160
4	Long-life replacement filter		—	BDDF37A40~6	BDDF37A80~6	BDDF37A140~6
5	Long-life filter chamber kit		—	KAF371AA56	KAF371AA80	KAF371AA160
6	Service panel	White	—	KTBJ25K56W	KTBJ25K80W	KTBJ25K160W
		Fresh white	KTBJ25K36F	KTBJ25K56F	KTBJ25K80F	KTBJ25K160F
		Brown	—	KTBJ25K56T	KTBJ25K80T	KTBJ25K160T
7	Air discharge adaptor		KDAJ25K36A	KDAJ25K56A	KDAJ25K71A	KDAJ25K140A
8	Suction flange		—	BDF37A40~6	BDF37A80~6	BDF37A140~6

OPTION LIST



VRV Indoor Units

Ceiling Suspended Type

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



Optional Accessories	RX(Y)Q6BRY16 RX(Y)Q8BRY16 RX(Y)Q10BRY16	RX(Y)Q12BRY16 RX(Y)Q14BRY16 RX(Y)Q16BRY16	RX(Y)Q18BRY16 RX(Y)Q20BRY16 RX(Y)Q22BRY16
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	KHRP26A22T6, KHRP26A33T6	KHRP26A22T6, KHRP26A33T6, KHRP26A72T6

Floor Standing Type/Concealed Floor Standing Type

No.	Item	Type	FXLQ32MA/FXNQ32MA	FXLQ50MA/FXNQ50MA	FXLQ63MA/FXNQ63MA
1	Long-life replacement filter		KAFJ361K45	KAFJ361K71	

Optional Accessories	RX(Y)Q24BRY16 RX(Y)Q26BRY16	RX(Y)Q28BRY16 RX(Y)Q30BRY16 RX(Y)Q32BRY16 RX(Y)Q34BRY16	RX(Y)Q36BRY16 RX(Y)Q38BRY16 RX(Y)40BRY16 RX(Y)Q42BRY16
Distributive piping	REFNET Header	KHRP26M22H, KHRP26M33H, KHRP26M72H, KHRP26M73H (Max. 4 branch) (Max. 8 branch) (Max. 8 branch)	KHRP26A22T6, KHRP26A33T6, KHRP26A72T6, KHRP26A73T6
	REFNET Joint	KHRP26M73HP, KHRP26M73TP7	
Pipe Size reducer			
Outdoor Unit Connecting Piping Kit		BHFP22R1356	

Mid Static Ceiling Mounted Duct Type

No.	Item	Type	Duct Type	
			FXMQ40ARV16, FXMQ50ARV16	FXMQ63ARV16, FXMQ80ARV16, FXMQ100ARV16
1	High efficiency filter	65%	KAF372AA56	KAF372AA80
2	Filter chamber		BDDF37A40-6	BDDF37A80-6
3	Long-life replacement filter		KAF371AA56	KAF371AA80
4	Suction flange		BDF37A40-6	BDF37A80-6
			KTBJ25K56W	KTBJ25K80W
5	Service panel		KTBJ25K56F	KTBJ25K80F
6	Air discharge adaptor		KTBJ25K56T	KTBJ25K80T
			KDAJ25K56A	KDAJ25K71A

Optional Accessories	RX(Y)Q44BRY16 RX(Y)Q46BRY16 RX(Y)48BRY16	RX(Y)Q50BRY16 RX(Y)Q52BRY16	RX(Y)Q54BRY16 RX(Y)Q56BRY16 RX(Y)Q58BRY16 RX(Y)Q60BRY16
Distributive piping	REFNET Header	KHRP26M22H, KHRP26M33H, KHRP26M72H, KHRP26M73H (Max. 4 branch) (Max. 8 branch) (Max. 8 branch)	KHRP26A22T6, KHRP26A33T6, KHRP26A72T6, KHRP26A73T6
	REFNET Joint	KHRP26M73HP, KHRP26M73TP7	
Pipe Size reducer			
Outdoor Unit Connecting Piping Kit		BHFP22R1356	BHFP22R1686

Floor Standing Duct Type

No.	Item	Type	FXVQ125N	FXVQ200N	FXVQ250N	FXVQ400N	FXVQ500N
1	Replacement long life filter		KAFJ261M140	KAFJ261M224	KAFJ261M280	KAFJ261N450	KAFJ261N560
2	Ultra long-life filter			—		KAFSJ9A400	KAFSJ9A560
3	Front suction filter	Filter chamber for high efficiency filter *1	65%	KDDF-92A140	KDDF-92A200	KDDF-92A280	KDDF-92A400
4			90%	KDDF-93A140	KDDF-93A200	KDDF-93A280	KDDF-93A400
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 *3	KAF-91B140	KAF-91B200	KAF-91B280	KAF-91B400	KAF-91B560	
8	filter *2	High efficiency filter	65%	KAF-92B140	KAF-92B200	KAF-92B280	KAF-92B560
9		filter	90%	KAF-93B140	KAF-93B200	KAF-93B280	KAF-93B400
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.

Optional Accessories	RX(Y)Q54BRY16 RX(Y)Q56BRY16 RX(Y)Q58BRY16 RX(Y)Q60BRY16	RX(Y)Q62BRY16 RX(Y)Q64BRY16 RX(Y)Q66BRY16 RX(Y)Q68BRY16	RX(Y)Q70BRY16 RX(Y)Q72BRY16 RX(Y)Q74BRY16 RX(Y)Q76BRY16 RX(Y)Q78BRY16
Distributive piping	REFNET Header	KHRP26M22H, KHRP26M33H, KHRP26M72H, KHRP26M73H (Max. 4 branch) (Max. 8 branch) (Max. 8 branch)	KHRP26A22T6, KHRP26A33T6, KHRP26A72T6, KHRP26A73T6
	REFNET Joint	KHRP26M73HP, KHRP26M73TP7	
Pipe Size reducer			
Outdoor Unit Connecting Piping Kit		BHFP22R1686	



VRVTM α

**CONTROL
SYSTEMS**

VRVTM α

Reiri OFFICE | HOME | HOTEL

Reiri for Office

Reiri for Office is the ideal building management solution for all sizes of commercial buildings, especially for small to medium-sized buildings, regardless of location. This smart building solution provides affordable and scalable building control and energy management, allowing users greater control and automation of building utilities such as air-conditioning and lighting, and to monitor and manage energy performance and indoor air quality.

Expanded Features



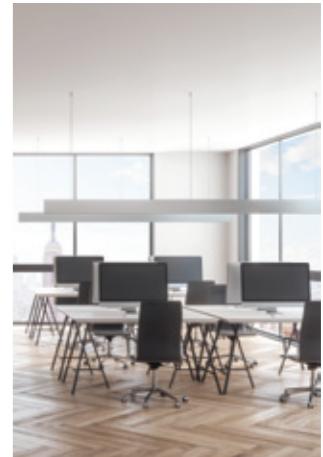
Reiri for Office
DCPF01



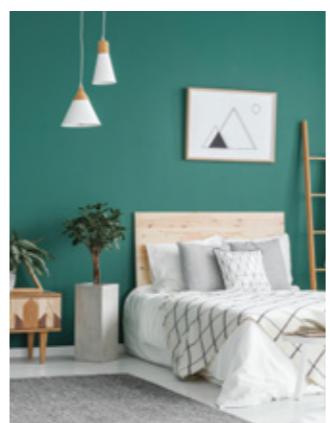
Reiri for Office
Controller Extension
DCPF05



Reiri for Office
Multisite Extension
DCPF10



Reiri for Home



Reiri for Home is the complete smart home solution with seamless integration capabilities, allowing users to control and monitor all smart home devices conveniently from just a single mobile app. From security and safety enhancements to indoor air quality and energy management, Reiri for Home is the ideal home automation system for every homeowner.



Reiri for Home
DCPH01



Reiri for Home
Lite Version
DCPH02

Reiri for Hotel

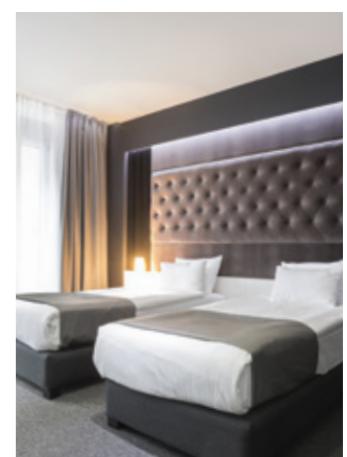
Reiri for Hotel effectively saves energy and cost while prioritizing guests' comfort and satisfaction. With this smart hotel solution, energy consumption is optimised without compromising on the guests' in-room comfort. Hotel managers and staff are also able to conveniently monitor the status and manage the settings of every room.



Reiri for Hotel
DCPL01



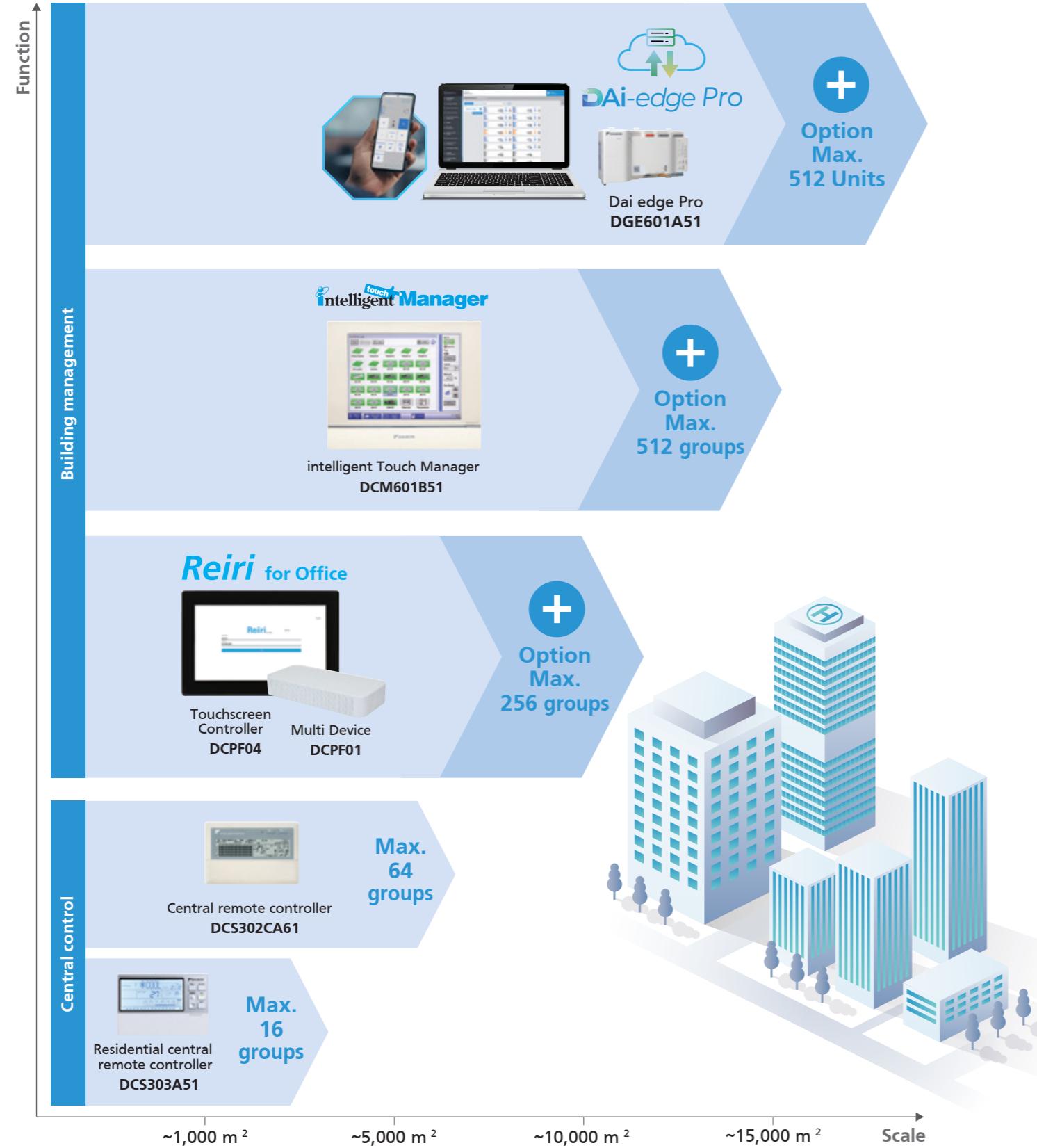
Reiri for Resort
DCPR01



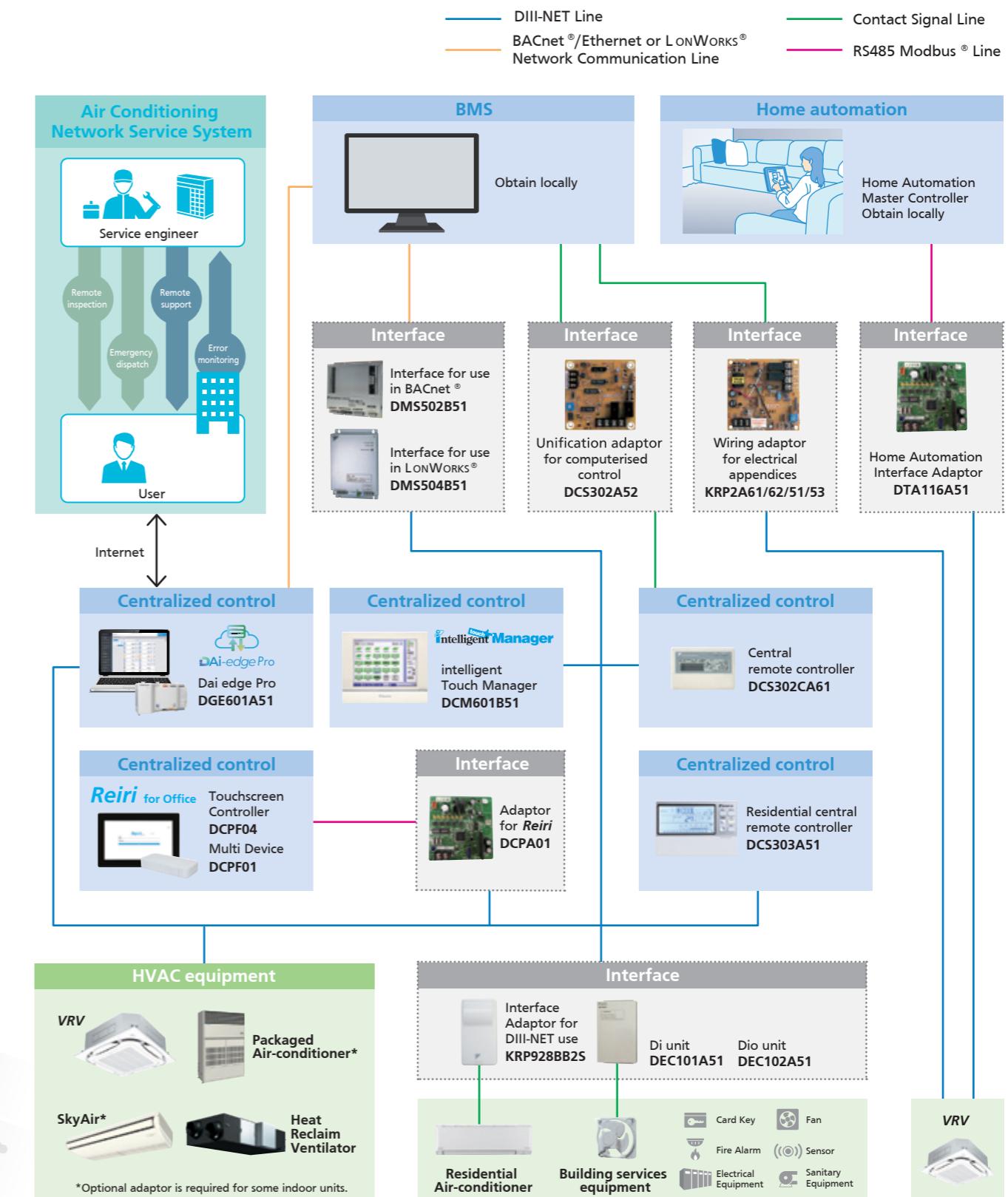
Control Systems



Centralized control lineup



Integrated system overview



Individual Control Systems for VRV Indoor Units

Navigation remote controller (Wired remote controller) (Optional)

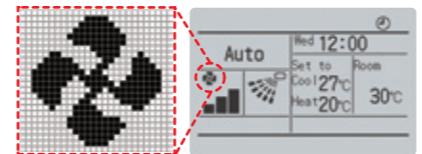


BR1E63 &
BR1F61 (Only for FXEQ Series)

Clear display

- Dot matrix display

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



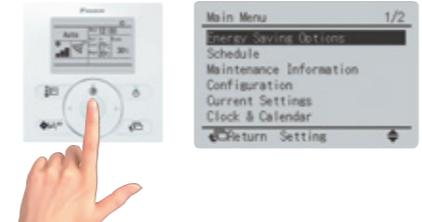
- Backlight display

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.



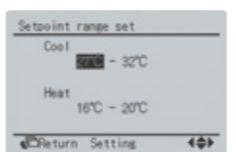
- Guide on display

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

Energy saving

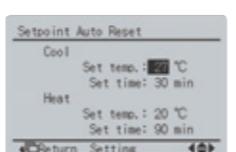
- Set point range set

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



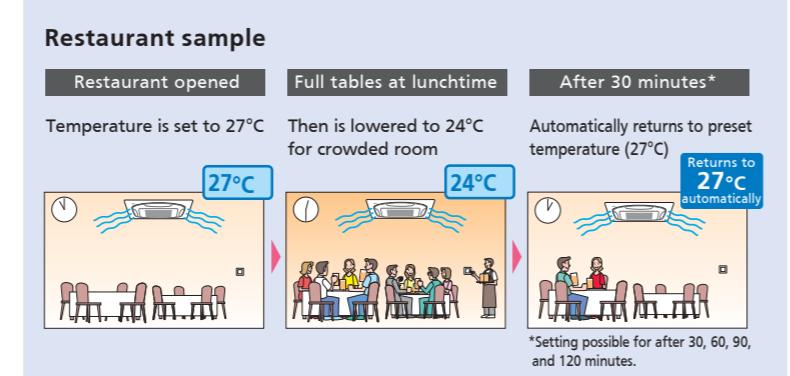
- Set point auto-reset

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



- 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.



Restaurant sample

Restaurant opened
Temperature is set to 27°C
Then is lowered to 24°C for crowded room
Automatically returns to preset temperature (27°C)
Returns to 27°C automatically
*Setting possible for after 30, 60, 90, and 120 minutes.

Convenience

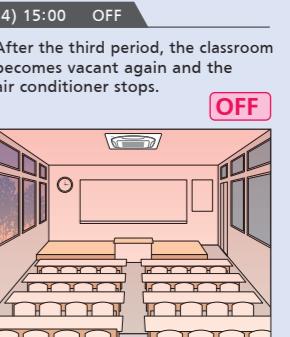
- Setback (default: OFF)

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

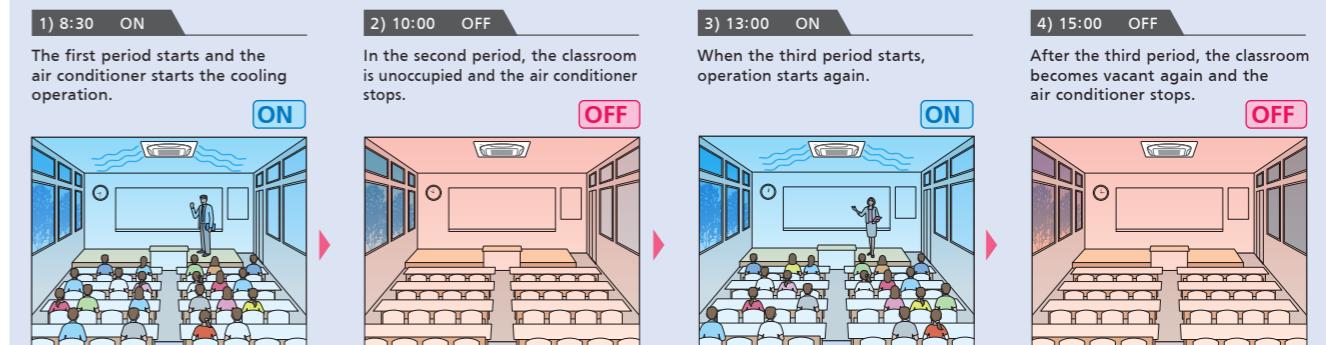
Ex) Setback temperature Cooling : 35°C Recovery differential Cooling : -2°C
When the room temperature goes above 35°C, the air conditioner starts operating in Cooling automatically. When room temperature reaches 33°C, the air conditioner turns OFF.

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

Schedule nr 1	Time	Act	Cool	Heat
Mon	8:30	ON	25°C	—
	10:00	OFF	—	—
	13:00	ON	25°C	—
	15:00	OFF	—	—



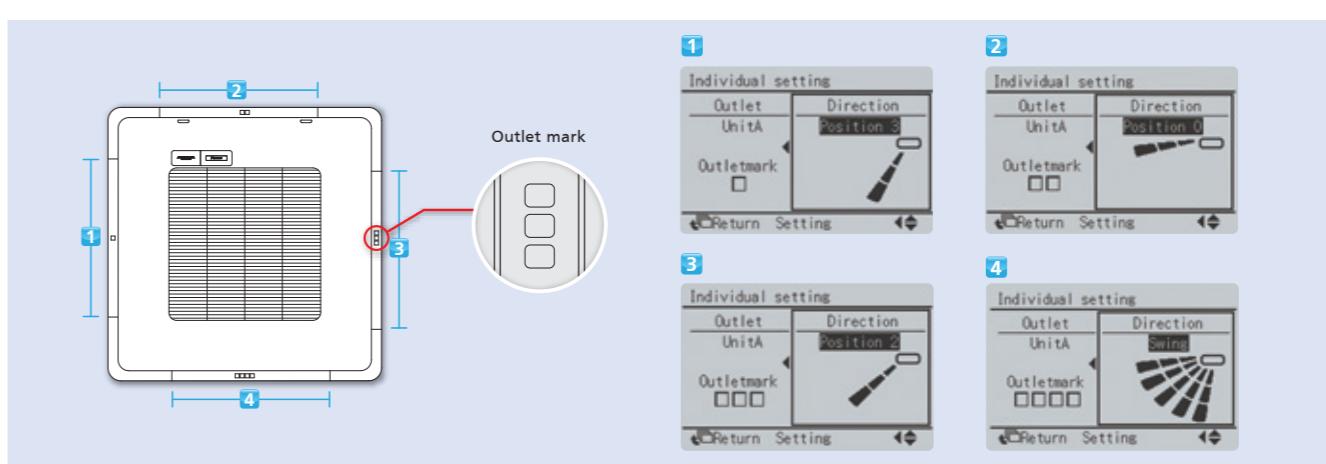
College classroom sample (a summer Monday case)



Comfort

- Individual airflow direction (*1)

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



- Auto airflow rate (*2)

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

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

Control Systems



Individual Control Systems for VRV Indoor Units

Stylish remote controller (Option) - Madoka



A complete redesigned controller focused to enhance user experience



For More information 'Scan'

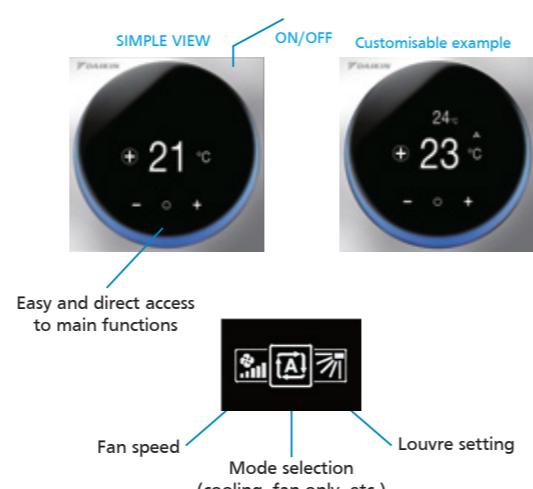
Product Features

- Combines refinement and simplicity.
- Echoes the distinct blue circle and simplicity of design.
- Two attractive colours to match any interior.
- Compact, measures only 85 x 85 mm.



User-friendly interface

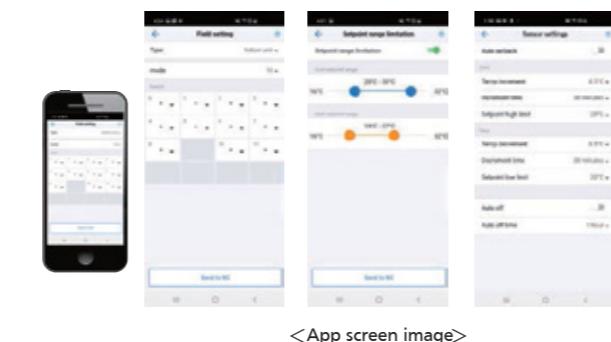
- Just three buttons and a large-figure display.
- Customisable display.
- Direct access to basic functions (ON/OFF, Operation mode, temperature setting, Airflow rate, Airflow direction).



Easy setting via Bluetooth App with smartphone (for Installer/Facility Manager)

Keep hotel room comfortable

- Improved setback function by setting the lower temperature limit in cooling mode.



<App screen image>

Shorter installation time

- Easy to create multiple remote control and field settings via App.
- Prepare a setting in advance at the office and immediately send it to the on-site remote controller.
- Save and reuse settings.

Stylish remote controller (Option)

Easy operation with new intuitive design



BRC2E61

Simple operation

Using only six buttons, users have direct access to basic functions. This enables them to easily set comfort to their preference.

- ON/OFF
- Operation mode
- Temperature setting
- Airflow rate (5-step & Auto)*
- Up and down airflow direction (5-step & Swing)*
- ON/OFF timer

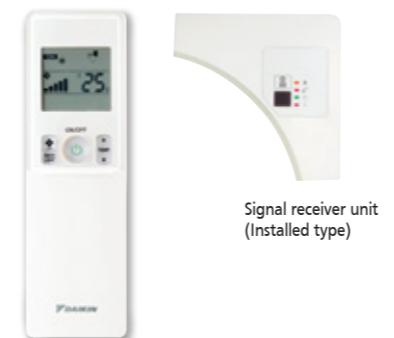
Intuitive design

- By using pictograms, the user-friendly interface enables convenient and easy operation.

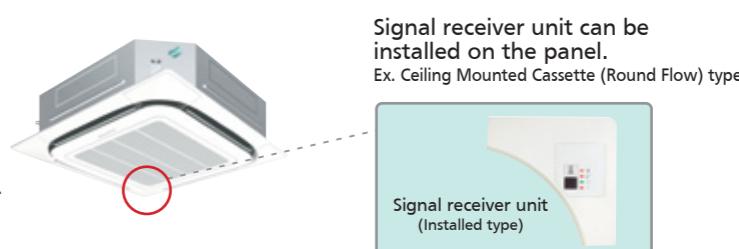
Compact size

- Measuring only 85 x 85 mm, the new remote controller is extremely compact and complements any interior design.

Wireless remote controller (Option)



- The same operation mode and setting as with wired remote controllers are possible.
- *Individual airflow direction, auto air-flow rate and sensor control can be set only via wired remote controller BRC1E62. They cannot be set via other remote controllers.
- A compact signal receiver unit (separate type) to be mounted into 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



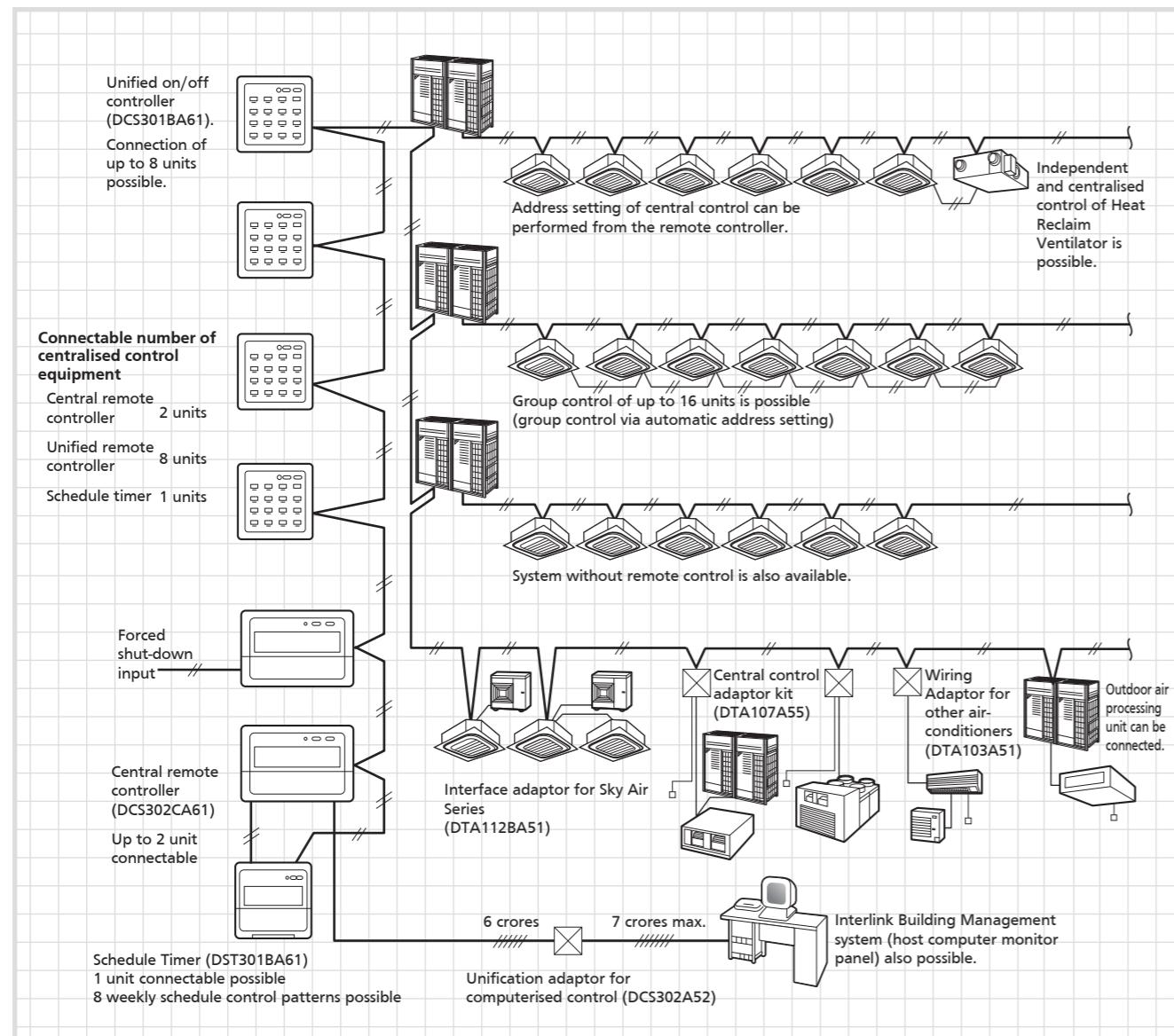
*Wireless remote controller and signal receiver unit are sold as a set.
*Refer to page 90 for the name of each model.

Wide variation of remote controller for VRV indoor unit

	FXFQ-AVM FXFQ-S	FXZQ	FXCQ	FXUQ	FXEQ	FXDQ	FXMQ	FXHQ	FXAQ	FXL(N)Q
Navigation remote controller (Wired remote controller) BRC1E63	●	●	●	●	●	●	●	●	●	●
Wired remote controller (BRC2E61)		●	●	●	●	●	●	●	●	●
Wireless remote controller*	●	●	●	●	●	●	●	●	●	●

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 integrated with various air conditioning peripheral equipment such as Heat Reclaim Ventilator is easy.
- Wiring can be run up to a length of 2km, and adapts easily to large-scale system expansion.



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

Residential remote controller (Optional)



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

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

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

Central remote controller (Optional)



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

- Max. 64 group (128 indoor units) are controllable.
- Max. 128 group (128 indoor units) are controllable by using 2 central remote controllers, which can be controlled from 2 different places.
- Zone control.
- Malfunction code display.
- Max. wiring length of 1,000m (Total: 2,000m).
- 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 (Optional)



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

- Max. 16 group (128 indoor units) are controllable.
- 2 remote controllers can be used to control 2 different places.
- Operating status indication (Normal Operation, Alarm).
- Centralised control indication.
- Max. wiring length of 1,000m (Total: 2,000m).
- Compact size casing (Thickness: 16mm).

Schedule timer (Optional)



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

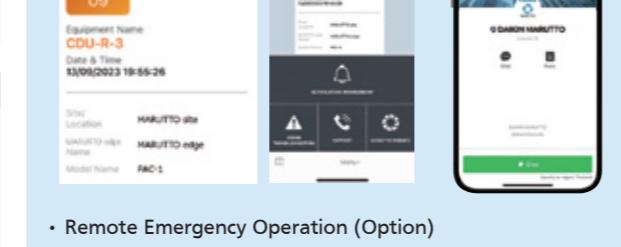
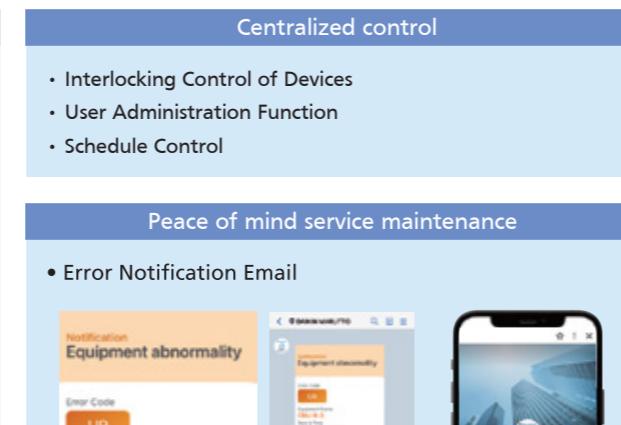
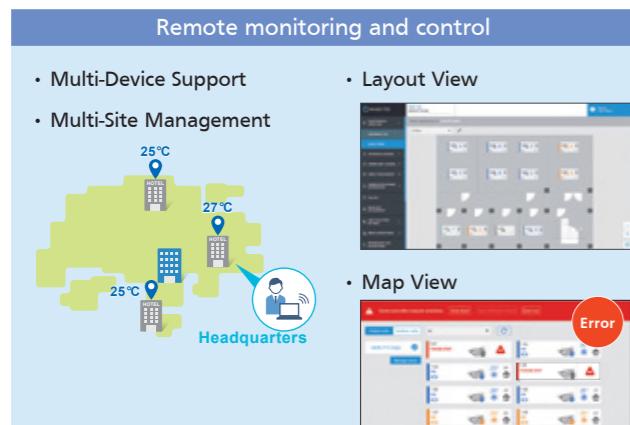
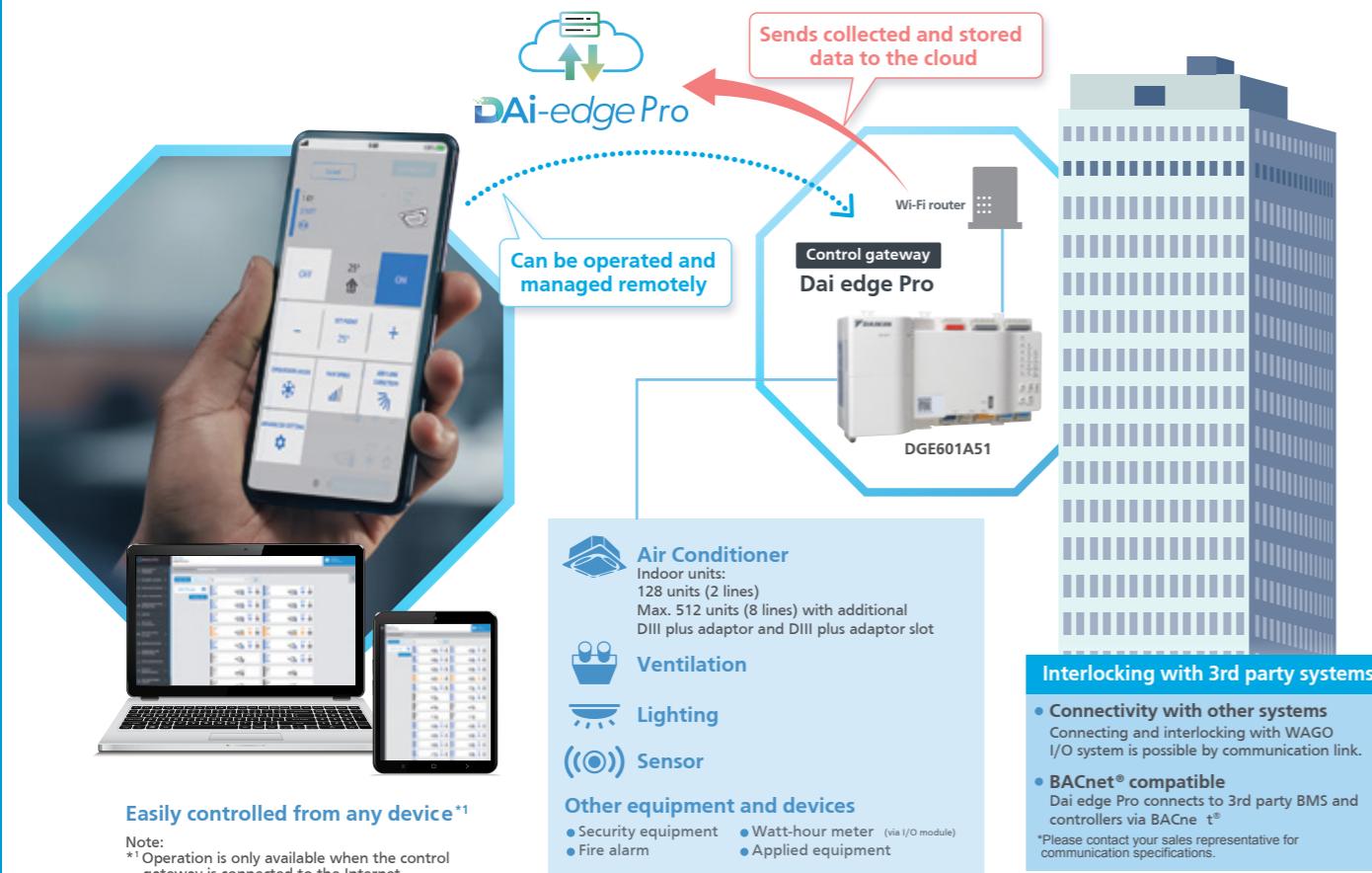
- Max. 128 indoor units are controllable.
- When used in combination with a central remote controller, a maximum of 8 weekly schedule patterns can be set, while the central controller can be used to select desired zones. Up to 2 ON/OFF pairs can be set per day.
- Max. 8 hours back-up power supply.
-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

Control Systems



New Cloud-based HVAC management service

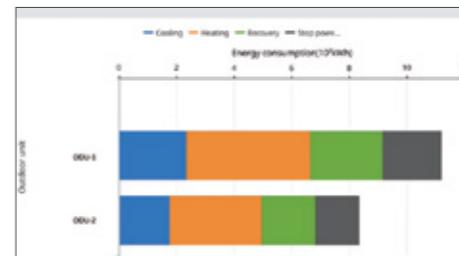
Dai edge Pro is an all-in-one, cloud-based management service that offers real-time control and monitoring, advanced analytics, and customized support to address HVAC lifecycle concerns.



Energy Visualization

Provides graphs of energy consumption to uncover inefficient operation

Energy consumption patterns



Demand Control (Option)

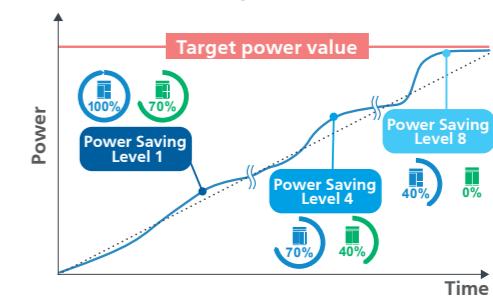
Reliably cuts power peaks without sacrificing comfort

As the power saving level increases, the power consumption reduction effect also increases.

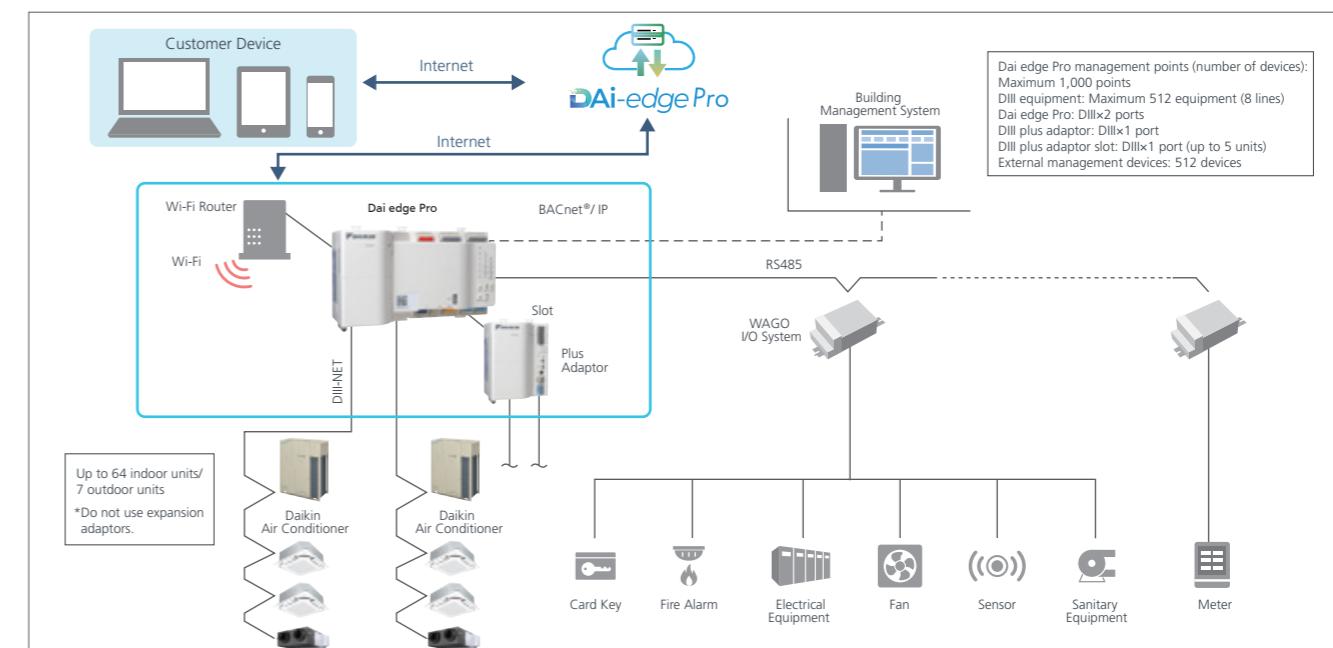
Control power consumption with three measures

- Thermo-Off of indoor unit
- Set temperature shift of indoor unit
- Outdoor unit capacity limit

Demand control image



Dai edge Pro System Overview



Dai edge Pro (standard specifications)

Common Name	Control gateway	Plus adaptor (sold separately)	Slot (sold separately)
Item Name	Dai edge Pro	DIII plus adaptor	DIII plus adaptor slot
Model Name	DGE601A51	DGE601A52	DGE601A53
Power Supply	AC100-240V 50/60Hz	AC100-240V 50/60Hz	Power supply from DIII plus adaptor
Power Consumption	23W	23W	—
Usage Environment	-10 to 50°C 85% or less	-10 to 50°C 85% or less	-10 to 50°C 85% or less
External Dimensions (Width x Height x Depth)	230 x 146 x 81.2 (mm)	97.2 x 146 x 81.2 (mm)	25.2 x 146 x 64.2 (mm)
Weight	0.97kg	0.69kg	0.13kg

* Refer to the Dai edge Pro individual catalogue for details.

Control Systems



Advanced Control Systems for VRV systems



One touch selection enables flexible control of equipment in a building.

Individual air-conditioning control

The flexible control achieved by the VRV system precisely meets different air conditioning needs in each room (e.g. offices, conference rooms, hotel rooms).



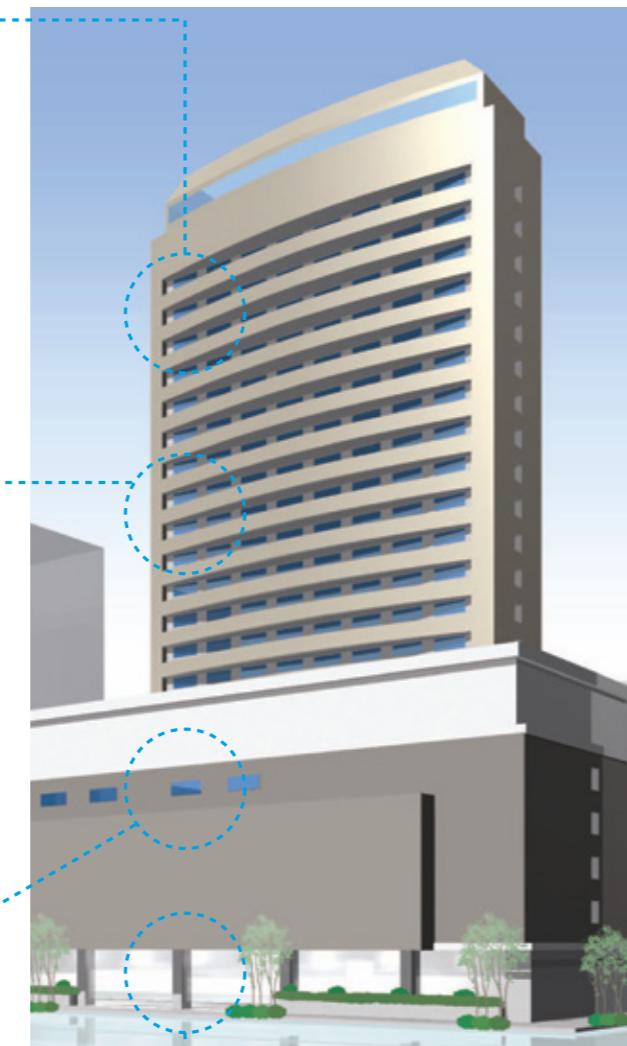
Lighting control DALI-compatible

DALI-compatible LED lighting systems can be controlled and monitored. Lighting control is enhanced through an interlock function with air conditioners and other functions.



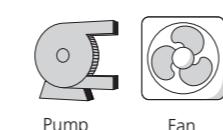
Air-conditioning control for large spaces

Air handling units can also be controlled. Large spaces, such as entrance halls and shopping malls, can be easily controlled to ensure comfort.



Building equipment control

Various types of equipment other than air conditioners, including ventilators, fans, and pumps, can also be controlled.

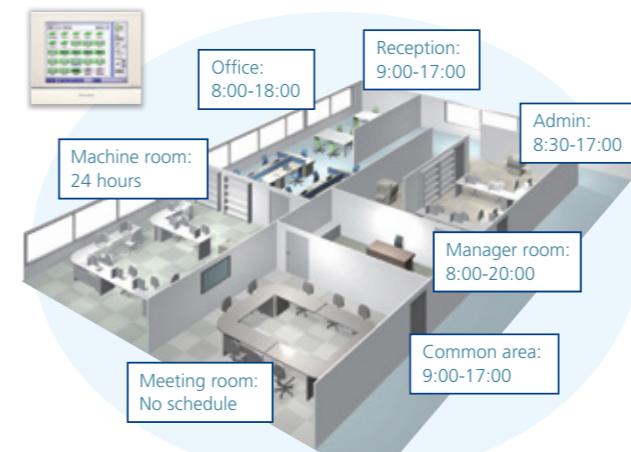


For Energy Saving & Comfort

intelligent Touch Manager maximises the advantages of VRV features

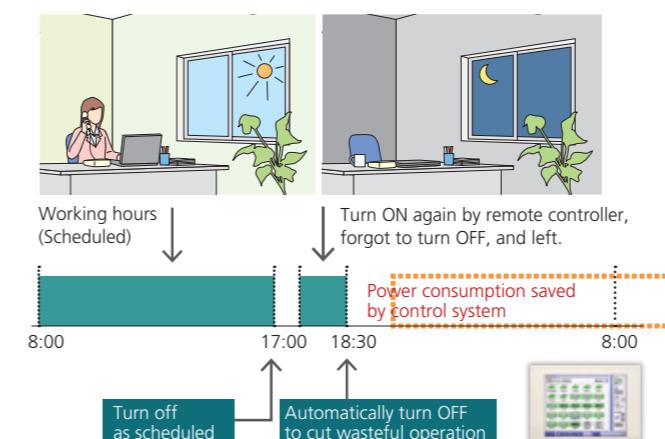
intelligent Touch Manager is an advanced multi-zone controller that provides the most cost-effective way to control and monitor the Daikin VRV system. The 10.4" LCD touch screen is easy to use with three different screen views to include the floor plan layout view, icon view and list view and menus for system configurations. It is also easy to use with standardized remote Web Access from your PC. It can manage a total of 650 management points consisting of up to 512 Daikin indoor unit groups (up to 1024 indoor units) along with building equipment control / monitoring with Digital Inputs / Output (Di/Dio), Analog Inputs / Output (Ai/Ao) and Pulse input (Pi) optional devices.

Schedule the operation time for each application.



Setting the I-demand function and nighttime quiet operation function is also possible.

Turn the unit OFF if a user didn't.

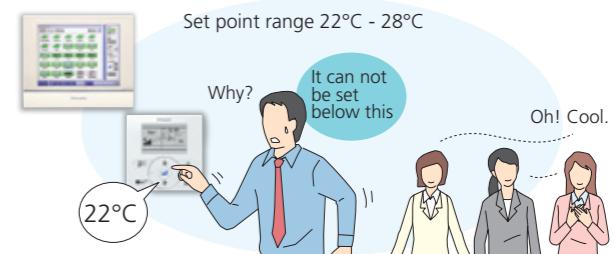


Define the setpoint range that users can change.

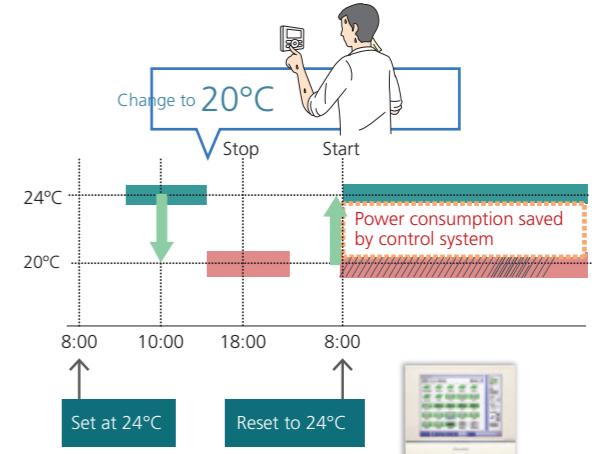
With Remote controller



With Control System



Reset setpoint regularly.



External contact demand control function

This function automatically controls outdoor and indoor unit capacity based on contact signals sent from demand controller (field supply) etc. to save power consumption during peak hours.

- You may set 3 levels that can be switched by ON/OFF signal of 3 contacts
- Control settings are pre-set for each level
- Outdoor unit: I-demand function for peak power limit
- Indoor unit: Set temperature shift, Forced thermostat OFF



Control Systems



Lighting control (Option)

In addition to switching lights on and off, advanced lighting control, such as illuminance adjustment, can be achieved

Connection to DALI-compatible lighting control system

Simple wiring (daisy chain) enables management of LED lighting by the **intelligent Touch Manager**. Various air conditioning and lighting control is enabled through the interlock with occupancy sensors and illuminance sensors.

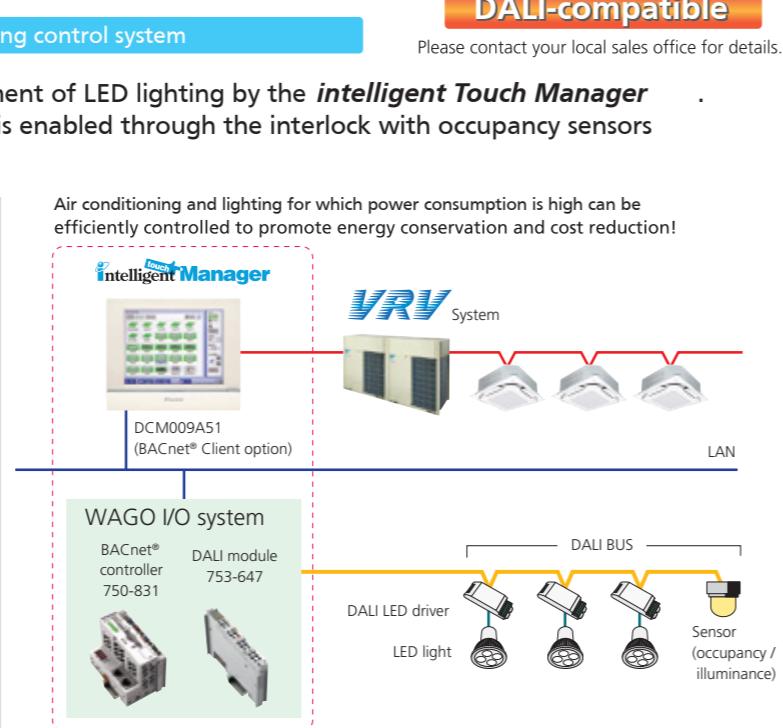
Lighting control achieved by the **intelligent Touch Manager**

[Operation]

- Switch-on/switch-off operation
- Illuminance (1-100%) control
- Various illuminance patterns can be registered
- Registered pattern can be selected from **intelligent Touch Manager**

[Monitoring]

- Switch-on/switch-off status monitoring
- Lighting abnormality monitoring
- Illuminance monitoring
- DALI occupancy sensor monitoring
- DALI illuminance sensor monitoring



DALI-compatible

Please contact your local sales office for details.

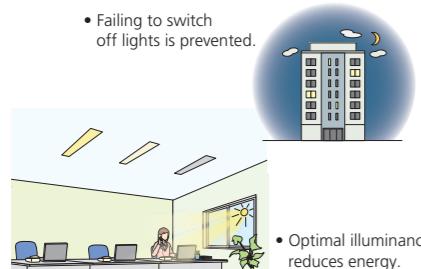
Overview of control

- Up to 5 DALI modules can be connected to a single BACnet® controller.
- Up to 64 DALI LED drivers (64 addresses) can be connected to a single DALI module.
- 64 DALI addresses can be freely assigned to up to 16 groups using a single DALI module. (Each group corresponds to a management point of the **intelligent Touch Manager**.)
- Up to 16 scenes can be set to a single DALI module.
- Up to 12 sensors (occupancy, illuminance) can be connected to a single DALI module.
- DALI BUS simplifies wiring and setting work by daisy chain wiring and automatic address setting.

Easy maintenance and energy saving by lighting control

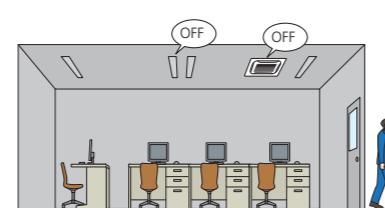
Case 1

Switch-on / switch-off and illuminance are controlled based on a schedule to cut wasteful power consumption.



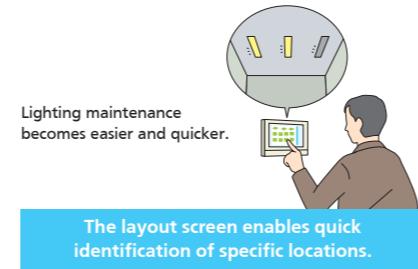
Case 2

Occupancy sensors are used to eliminate both wasteful lighting and air conditioning. When a room is unoccupied, the air conditioning stops and the lighting is switched off.



Case 3

Lighting abnormalities (e.g. burned-out bulbs) can be checked on the **intelligent Touch Manager** screen.



Tenant management

Reporting the power consumption of VRV system for each tenant (PPD* Option)

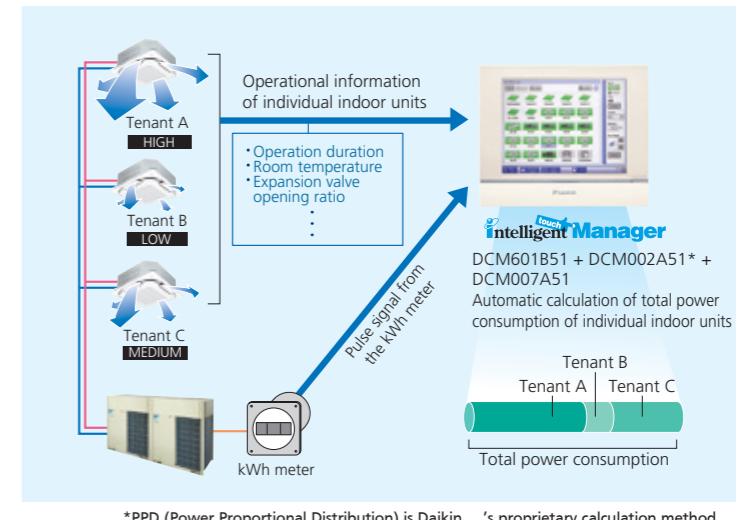
With the PPD function, power consumption can be calculated for each indoor unit (Option)

The energy consumption is proportionally calculated for each indoor unit. The data can be used for energy management and calculation of air conditioning usage fees for respective tenants.

Operational information of individual indoor units are monitored, based on distribution of power consumption of outdoor units.

Daikin's PPD keeps track of power distribution for each indoor unit. It performs air conditioning billing calculations quickly and automatically.

It is easy to output PPD data. PPD data is output in CSV format to a PC or USB memory device and can be freely processed and managed.



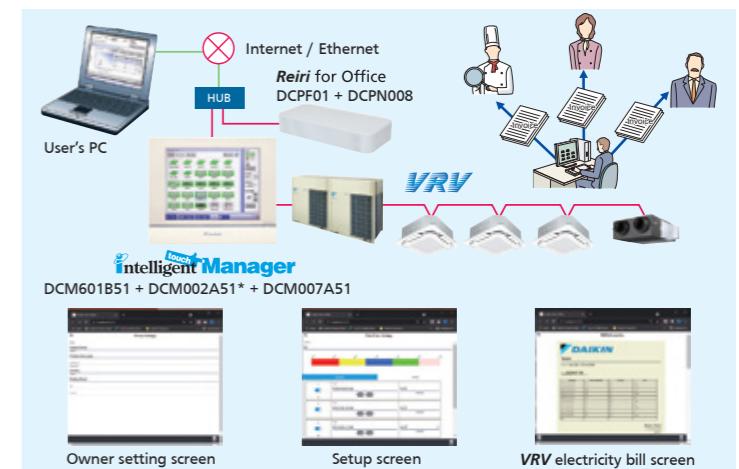
Air conditioning bills can be issued by one click (PPD* Option)

Electricity bills can be easily calculated for each tenant (Option)

The power consumption of VRV controlled by the **intelligent Touch Manager** can be easily managed for each tenant using a PC. The electricity bill settings facilitate billing work through easy calculation and issuance of VRV electricity bills.

Main functions

- Register tenants
- Set the electricity unit price for 5 time zones
- Calculate power consumption and electricity charge for each tenant
- Show aggregation results in the specified period for each tenant
- Output the results (Printout and CSV file)



Effective service functions offered to tenants

Smartphone will be a remote controller of VRV system (Option)

Users can operate and check the status of VRV system from their smartphones via the internet.

It is not necessary to move where a remote controller is located with this feature. VRV system in other rooms can be operated, and their status can be checked. It is also possible to check if air conditioners in other rooms remain switched on etc., helping achieve energy saving.

For buildings VRV Smartphone Remote Controller

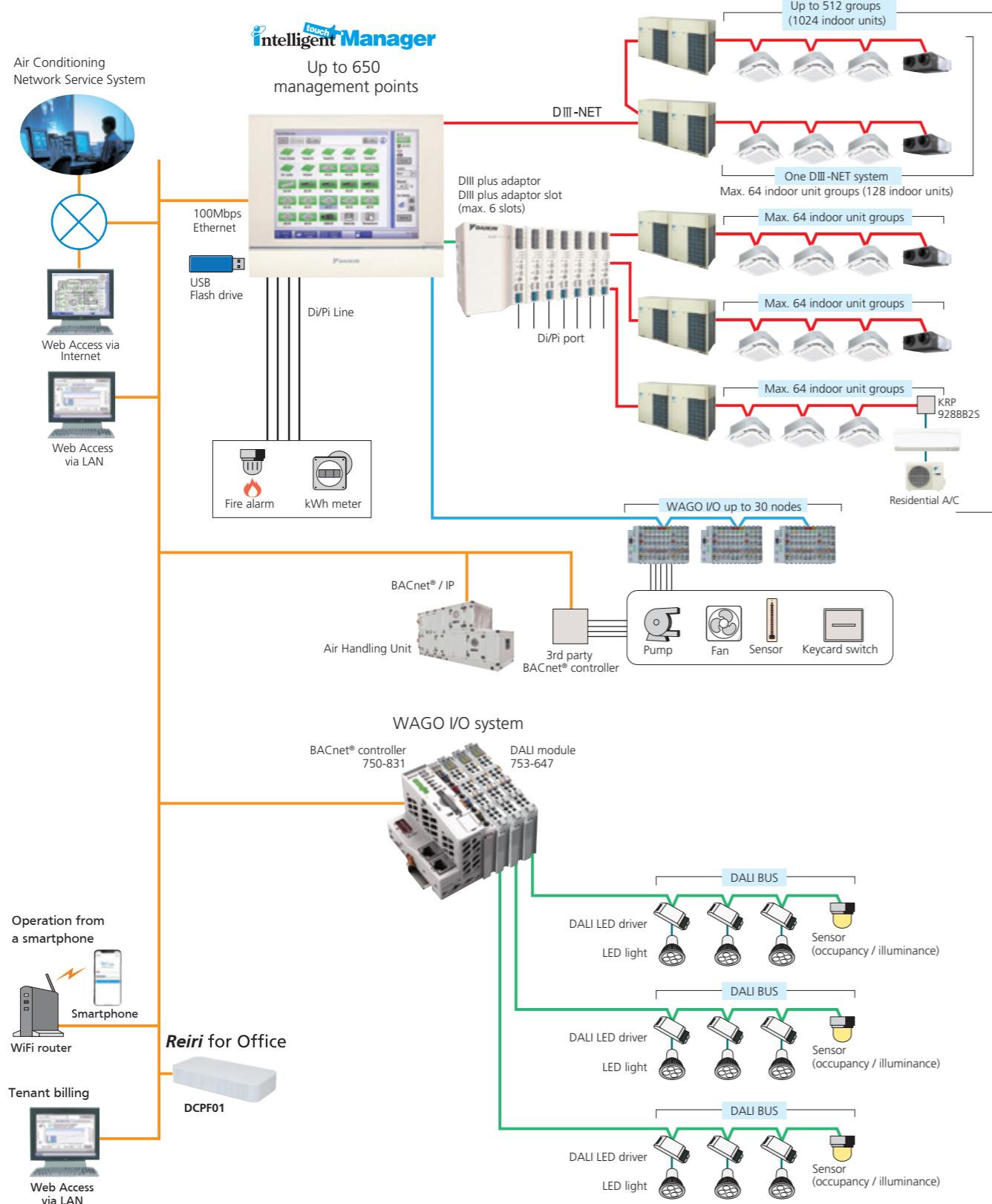
Up to 1024 indoor units can be controlled. Just add **Reiri for Office** DCPF01 to this system



Control Systems



■ intelligent Touch Manager system overview



Air conditioning network service system

Preventive maintenance

The **intelligent Touch Manager** can be connected to Daikin's own Air Conditioning Network Service System for remote monitoring and verification of operation status for **VRV** system. By its ability to predict malfunctions, this service provides customers with additional peace of mind.

Enhanced convenience with link to the Air Conditioning Network Service System

The **intelligent Touch Manager** connects seamlessly to Daikin's 24-hour Air Conditioning Network Service System.



Daikin offers a variety of control systems

Connect VRV system to your BMS via BACnet® or LonWORKS®

Compatible with BACnet® and LonWORKS®, the two leading open network communication protocols, Daikin offers interfaces that provide a seamless connection between **VRV** system and your BMS.

Dedicated interfaces make Daikin air conditioners freely compatible with open networks



DMS502B51 (Interface for use in BACnet®)

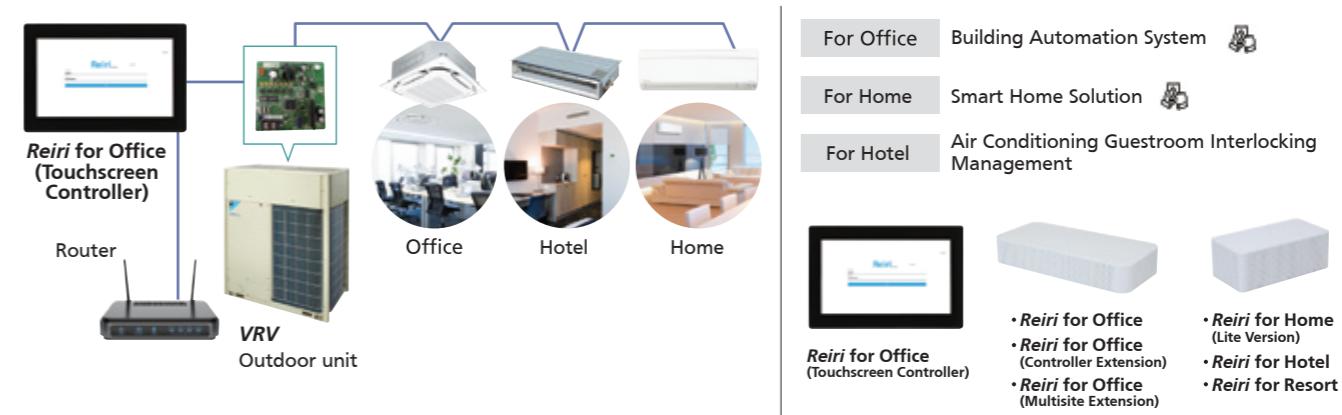


DMS504B51 (Interface for use in LonWORKS®)

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.

Specialised solution for office, home and hotel with **Reiri** Series

Catering to different applications, ranging from 10 indoor units to 2048 indoor units



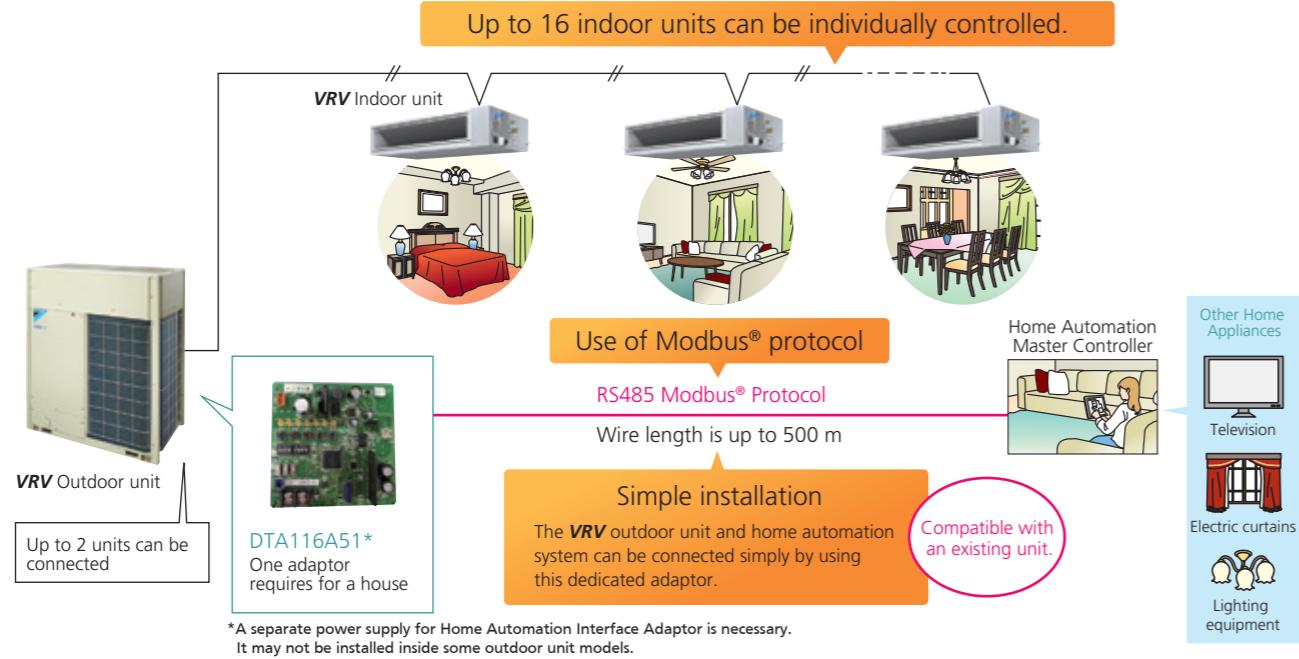
Control Systems



Home automation interface adaptor

The VRV system can be operated from the home automation system.

Image to use home automation interface adaptor DTA116A51



Functions

Monitor

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

Control

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

Retrieve system information

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

* Modbus® is a registered trademark of Schneider Electric S.A.

Complete control system for VRV systems



High value smart solution creation for different application

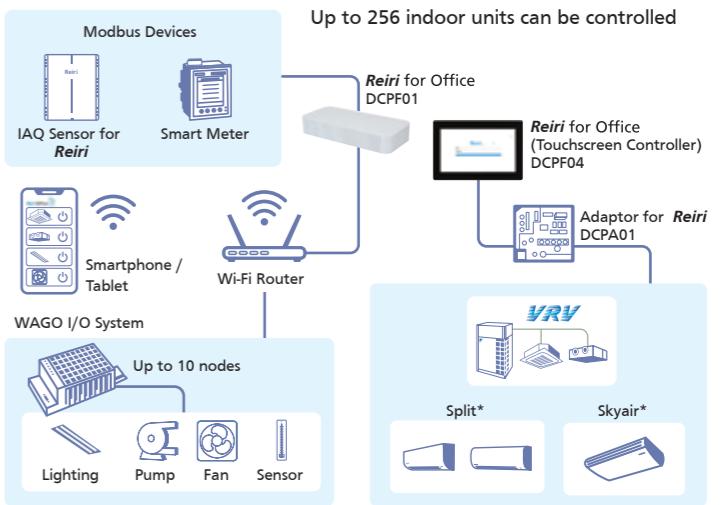
Office Air Conditioning Solution

(Reiri for Office :DCPF01 / Reiri for Office (Touchscreen Controller) :DCPF04)

A simple office buildings air conditioning solution with a secured, cloud enabled platform, allowing greater ease of control and control while being energy-efficient. The flagship model DCPF04 offers the smart control system with a dedicated touch panel.

Intelligent Building Solution

- Easy to install and configure with dedicated Configuration Mobile App for installers.
- Remote control operation through mobile App from anywhere.
- Energy management through P.P.D. billing, Energy graph and real time energy display function
- IAQ Management via real time monitoring and trend graph for keeping record.
- Effective Air conditioning usage with setpoint range limitation, set back function, remote control prohibition.



*Additional Interface Adaptors may be required.

Specifications

Category	Function	Description
Monitoring & Control	Status monitoring	On/Off, setpoint, operation mode, fan step, flap, error, error code, Room temperature
	Manual Operation	On/Off, setpoint, operation mode, fan step, flap, scene control ¹
	Remote control prohibition	Individually prohibit operation of each local remote-control function
	Setpoint range limitation	To limit setpoint range for each indoor unit management point
	Automatic changeover ¹	Number of changeover groups: 100
Automatic Control functions	Off timer	Off timer duration can set from 5min to 120min with every 5min interval
	Setback ¹	Setback setpoint can selected within 24-35°C in cooling mode and 5-20°C in heating mode.
	Schedule	Number of programmes: 100; Up to 20 actions can be registered per pattern.
	Interlock ¹	Interlock operation depending on equipment status
	History, Report ¹	Operation data (latest information and operation report) and error report on daily/monthly basis.
Data Management	Trend graph ¹ , energy graph ¹	Chart on environmental changes and energy (and other meter) values.
	Real time energy display ^{1,2}	Daily/Monthly real time energy consumption status on screen.
	P.P.D Billing ^{1,2}	Generate Bill with Power Proportional Distribution data retrieved from the system.
System Setting		Language, Password setting, Account setting, Notification, Email Notification

¹ Optional software for Reiri for Office, DCPF01

² Optional software for Reiri for Office (Touchscreen Controller), DCPF04

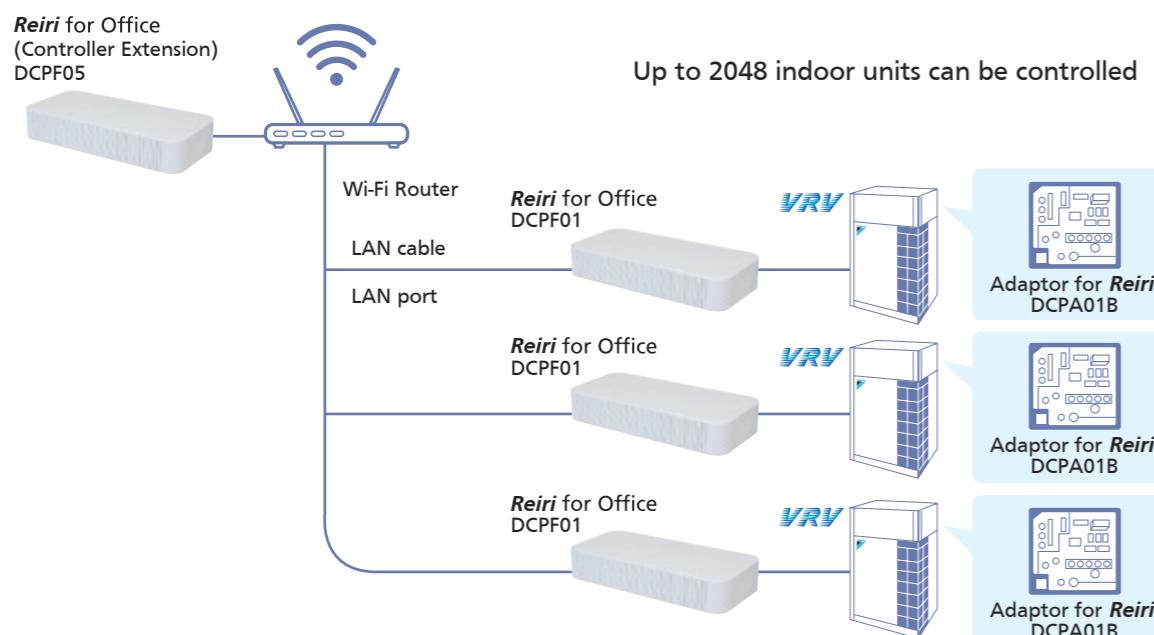
Control Systems



Office Expanded Solution (*Reiri* for Office (Controller Extension) :DCPF05)

A dedicated control solution for large scale office buildings through centralised control of multiple *Reiri* for Office controller on a single secured and cloud-enabled platform.

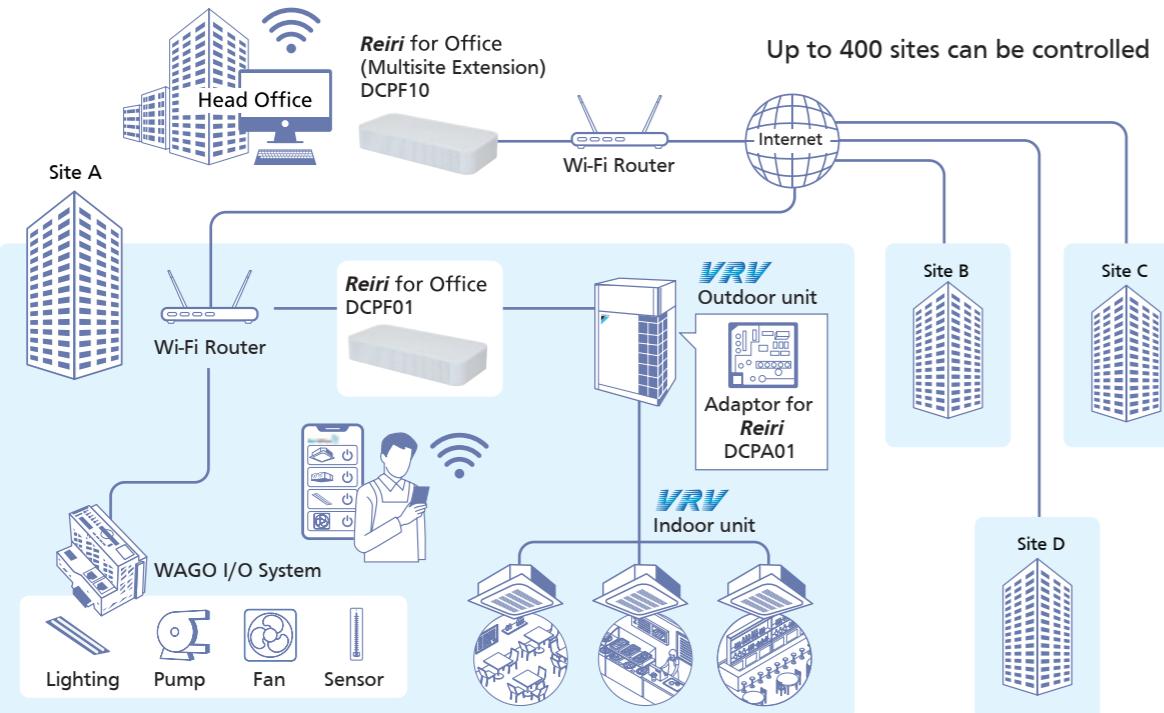
Note: P.P.D. & Tenant Billing Management and Real-Time Energy Monitoring (R.E.M.) are offered as optional software.



Multi Site Management Solution (*Reiri* for Office (Multisite Extension) :DCPF10)

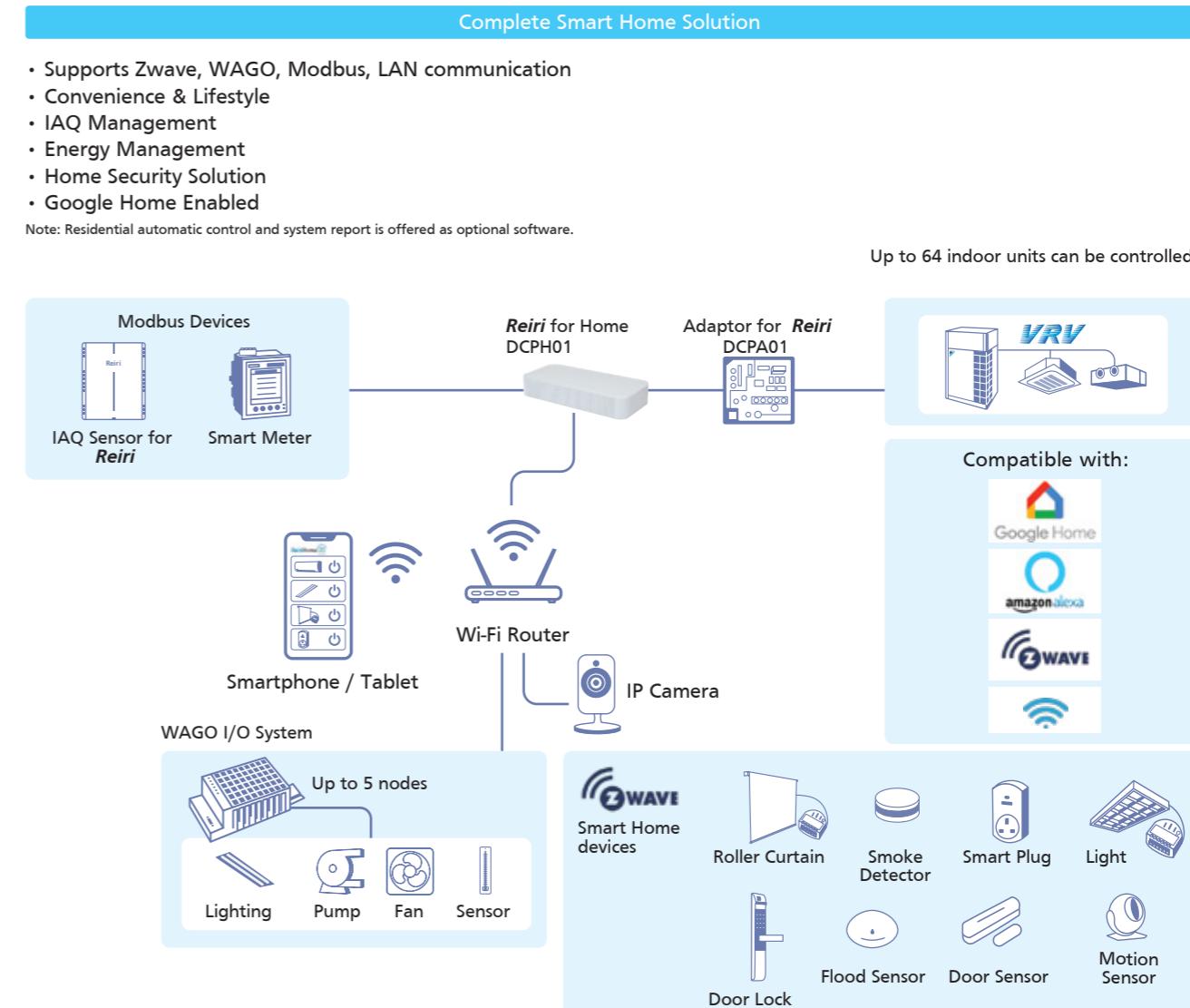
Centralised control and remote access for all devices in multiple buildings across different locations conveniently located on one secured platform.

Note: Multi-site Branch Expansion is offered as optional software.



Smart Home Solution (*Reiri* for Home :DCPH01)

The complete smart home air conditioning solution for every homeowners with integration capabilities to allow ease and convenience of control for almost every smart devices

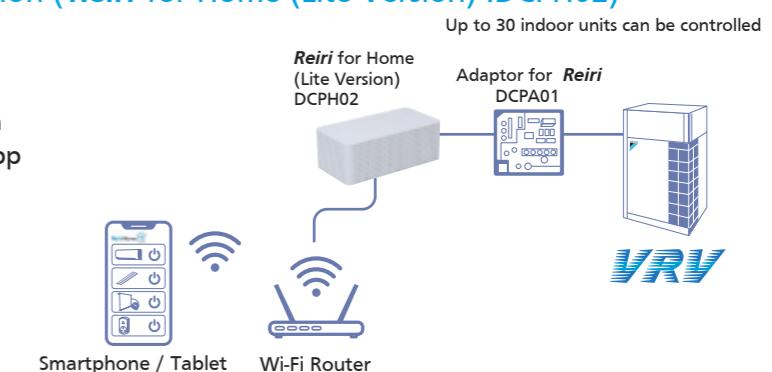


Notes: 1. Google Home and the Google Home logo are trademarks of Google LLC.
2. Amazon, Alexa and all related logos are trademarks of Amazon.com, Inc. or its affiliates.
3. Z-Wave® is a registered trademark of Sigma Designs and its subsidiaries in the United States and other countries

VRV Smart Centralised Control Solution (*Reiri* for Home (Lite Version) :DCPH02)

Designed to enhance the comfort and convenience for homeowners, offering complete control of core functions in Daikin Airconditioning system remotely through app access

Note: Residential automatic control and system report is offered as optional software.



Control Systems

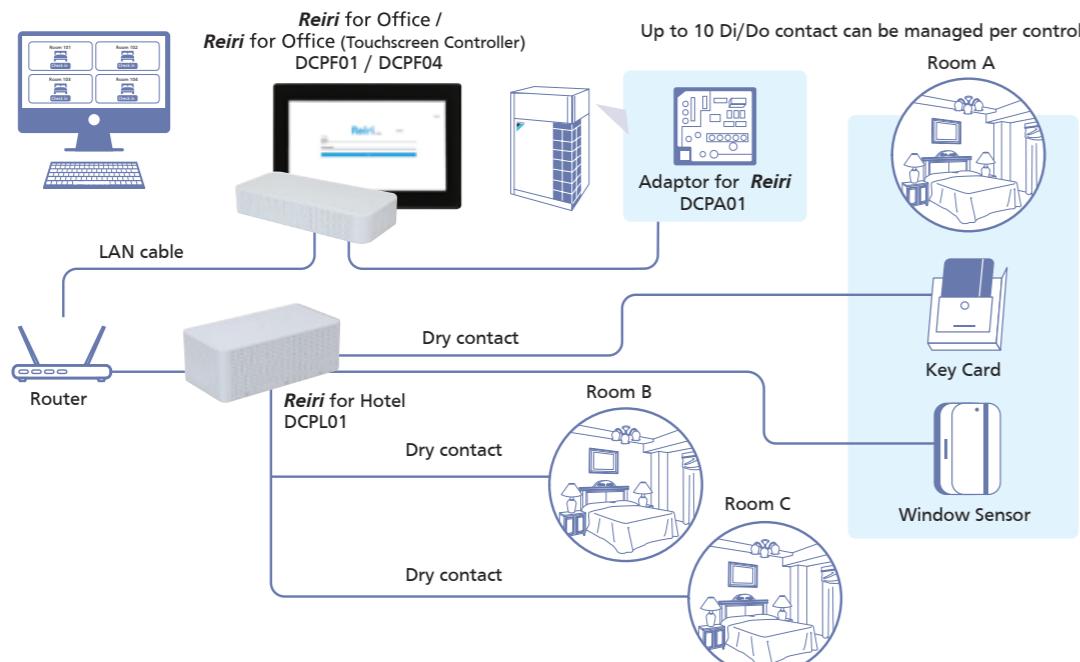
Hotel Air Conditioning Solution (*Reiri* for Hotel :DCPL01)

The smart hotel air conditioning solution for effective air conditioning operation that maximize guest comfort and minimize energy consumption in a hotel

Air Conditioning Guestroom Interlocking Management

- Automatic air conditioning control based on check in/out signal, key card signal and window open/close signal

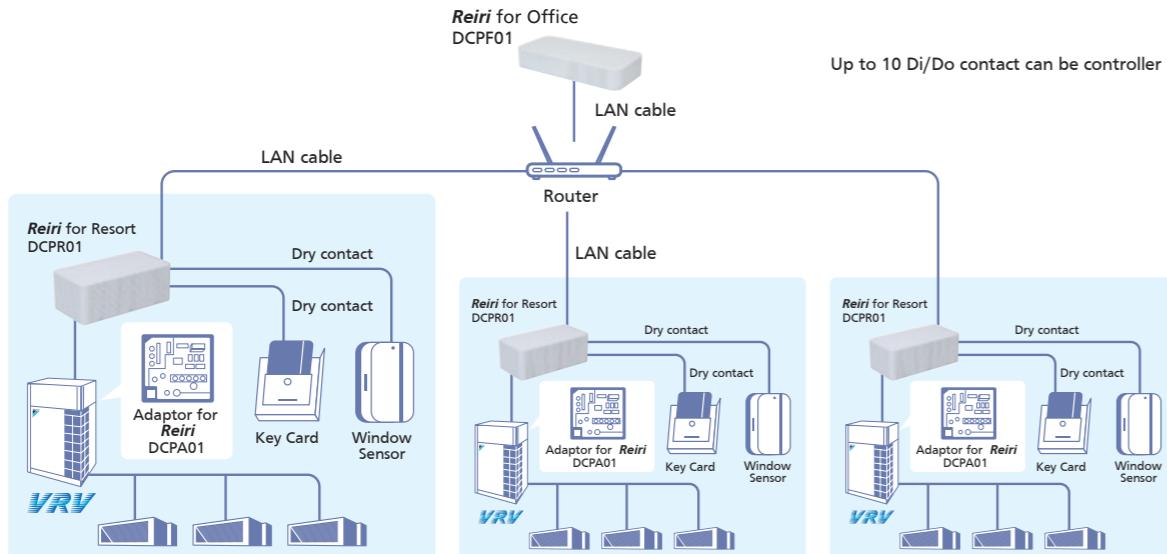
Note: The **Reiri** for Hotel controller has to be used with **Reiri** for Office / **Reiri** for Office (Touchscreen Controller) / **Reiri** for Office (Controller Extension) controller as building controller.



Villa Air Conditioning Solution (*Reiri* for Resort :DCPR01)

Designed to enhance the comfort and convenience for each villa according to use by guests

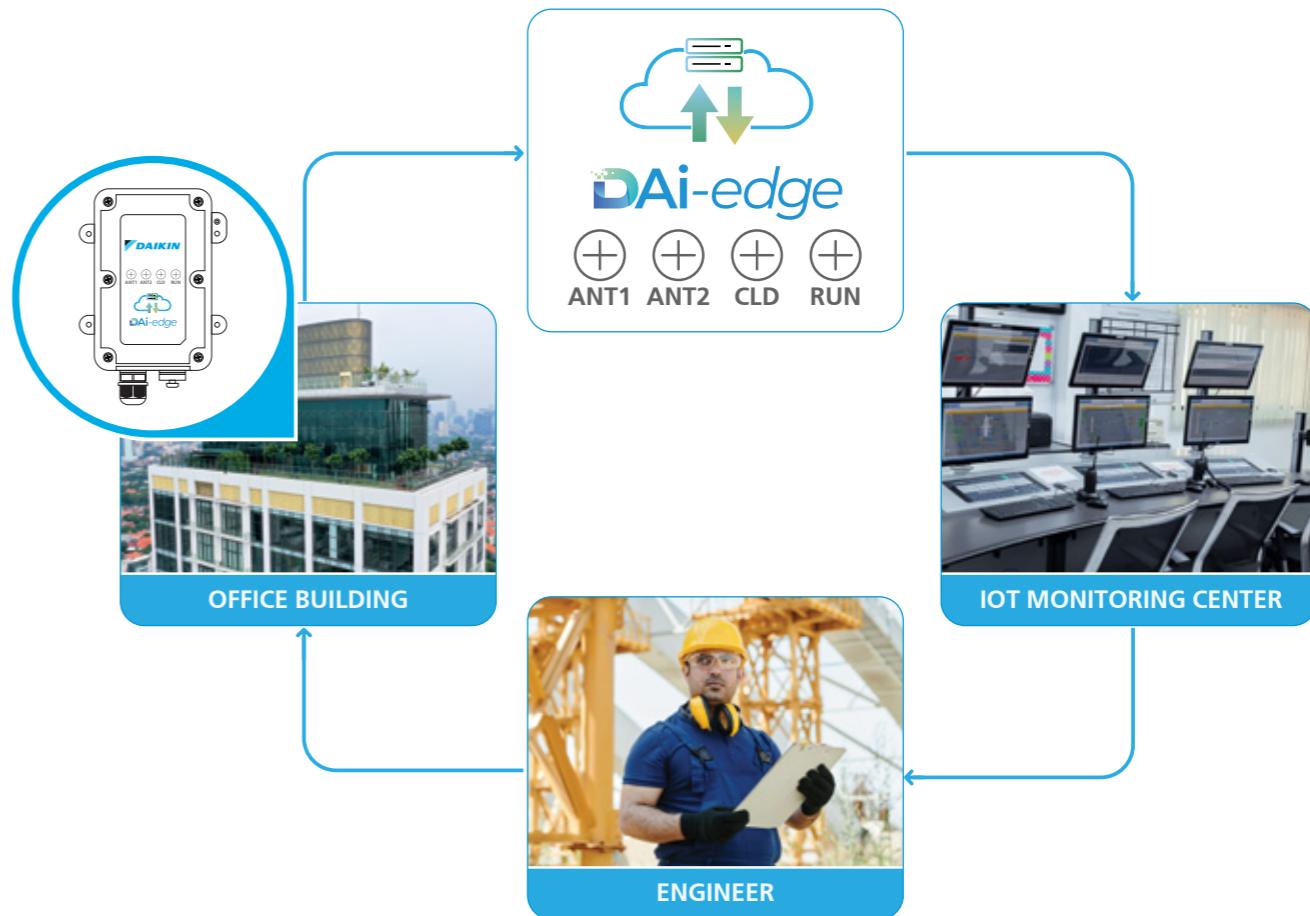
- Automatic air conditioning control based on check in/out signal, key card signal and window open/close signal
- Guest comfort



DAi-edge

DAi-edge Cloud Services monitor your Daikin HVAC systems 24/7 to help optimize system operation.

- » Remote monitoring to help manage and diagnose system performance.
- » Use diagnostic logic to notify of impending failures of key components of VRV system.
- » Streamline service and maintenance for projects.
- » Secure cellular communication to the DAi-edge Cloud Service using a built-in SIM card.



Available Services Overview

No.	Services
1.	Remote Monitoring
2.	Equipment error notification
3.	Remote failure diagnosis

DAi-edge	
Model	DSE402A61
Description	DAi-edge Cloud Communication Adaptor
Maximum Connections	64 Indoor Units / 1 Outdoor Unit
Communication to Outdoor Unit	Proprietary
Communication to Cloud	LTE CAT. 1 communication
Power	16VDC supplied by Outdoor Unit, less than 3W
Operating Temp. Range	-22 to 125°F (-30-52°C)
Storage Temp. Range	-22 to 158°F (-30-70°C)
Operating Humidity Range	Less than 95% RH (Non-condensing)
Storage Temp. Range	Less than 95% RH (Non-condensing)
Installation Elevation	Less than 6500 ft. (2000 m)
Dimensions (W x H x D)	6.2" x 3.8" x 1.7" (160 mm x 96 mm x 42 mm)
Weight (Mass)	1.0 lb. (0.46 kg)
Communication Wire	9-33/64 ft. (2900 mm)
Conversion Harness	0.55 ft. (170 mm)
Enclosure Rating	IP66
Cloud Services	
Compatible Browser	Google Chrome, Safari
Compatible Devices	PC, MAC, Smartphone, and Tablet with internet connection
Requires Subscription	Yes
URL	https://dashboardvrv.daikinsensai.com/#/login

Service	Overview
Remote Monitoring	Daikin's DAi-edge platform offers 24/7 monitoring of VRV units, with data stored on the DAi-edge Cloud Service. This enables proactive fault detection and helps recommend optimal usage strategies to reduce electricity consumption without compromising comfort at customer sites.
Equipment error notification	Whenever a VRV system encounters an error, it will automatically notify the DAi-edge cloud, enabling Daikin and contractors to take prompt action for repairs.
Remote failure diagnosis	Daikin's advanced failure diagnosis algorithm, powered by AI, analyzes the historical operation data of the customer's VRV system to precisely detect the root cause of any abnormalities.



Option List

Operation Control System Optional Accessories

For VRV indoor unit use

No.	Item	Type	FXFSQ-A (For Black Panel)	FXFSQ-A	FXZQ-M	FXUQ-A	FXCQ-M	FXKQ-AV	FXDQ-PD FXDQ-ND
1	Remote controller	Wireless Receiver Handset	BRC7M634K	BRC7M632F-6 BRC4M150W16	BRC7M50W-6	BRC7CB58	BRC7M65	BRC63AV BRC4M150W16	BRC4M61-6
2	Navigation remote controller (Wired remote controller)	Wired	BRC1E63		BRC1E61		BRC1E63 Note 7		
3	Simplified remote controller (Exposed type)				—				BRC2C51
4	Remote controller for hotel use (Concealed type)				—				BRC3A61
5	Adaptor for wiring		★KRP1C63	★KRP1B61	—	★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				
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/ FMQ-ARV	FXMQ-NVE	FXHQ-MA/AVM	FXAQ-A	FXLQ-MA FXNQ-MA	FXVQ-N
1	Remote controller	Wireless Receiver Handset	BRC4M61-6	BRC7M618-6 /BRC7M53	BRC7M618-6 /BRC7M53	BRC4M61-6	—	—
2	Navigation remote controller (Wired remote controller)	Wired	BRC1E63	BRC1E61	BRC1E63 Note 7	BRC1E63 Note 8	BRC2C51 Note 9	
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	KRP1B54	—	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 KRP4A93	—	
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	KRCB37-1
13	Remote controller with key		—	—	—	—		

Function List		Round Flow with Sensing Type
		FXFSQ-A
Remote controller		BRC1E63
Wired		—
Wireless		—
Dual sensors *1		○
Direct airflow *1		○
Sensing sensor low mode *1		○
Sensing sensor stop mode *1		○
Circulation airflow		○
Individual airflow direction control		○
Switchable 5 step fan speed		○
Auto-airflow rate		○
Auto-swing		○
Swing pattern selection		○
High ceiling application		○

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 BRC1E63. 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 BRC1E63, be sure to remove the control panel and since BRC1E63 cannot be stored inside the indoor unit, please place it separately.

System Configuration

No.	Item	Type	Model No.	Function
1	Residential central remote controller	Note 2 DCS303A51	• Up to 16 groups of indoor units (128 units) can be easily controlled using the large LCD panel. ON/OFF, temperature settings and scheduling can be controlled individually for indoor units.	
2	Central remote controller	DCS302CA61	• Up to 64 groups of indoor units (128 units) can be connected, and ON/OFF, temperature setting and monitoring can be accomplished individually or simultaneously. Connectable up to 2 controllers in one system.	
2-1	Electrical box with earth terminal (3 blocks)	KJB311AA	• Up to 16 groups of indoor units (128 units) can be turned, ON/OFF individually or simultaneously, and operation and malfunction can be displayed. Can be used in combination with up to 8 controllers.	
3	Unified ON/OFF controller	DCS301BA61	• Programmed time weekly schedule can be controlled by unified control for up to 64 groups of indoor units (128 units). Can turn units ON/OFF twice per day.	
3-1	Electrical box with earth terminal (2 blocks)	KJB212AA	• Up to 5 indoor units can be controlled. This is a low cost system which can only control ON/OFF.	
3-2	Noise filter (for electromagnetic interface use only)	KEK26-1A	• 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.	
4	Schedule timer	DST301BA61	• To use any of the above optional controllers, an appropriate adaptor must be installed on the product unit to be controlled.	
5	5-room centralised controller for residential indoor units	Note 3 KRC72A	• Up to 1024 units can be centrally controlled in 64 different groups.	
6	Interface adaptor for residential indoor units	KRP928BB2S	• Wiring restrictions (max. length: 1,000m, total wiring length: 2,000m, max. number of branches: 16) apply to each adaptor.	
7	Interface adaptor for SkyAirseries	★DTA112BA51	• Fixing plate for DTA109A51	
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		
10-1	Mounting plate	KRP4A92		

Notes: 1. Installation box for ★ adaptor must be obtained locally.

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

3. A wiring adaptor (KRP413AB1S) is also required for each indoor unit.

Building Management System

No.	Item	Model No.	Function
1	Intelligent Touch Controller	DCS601C51	• Air conditioning management system that can be controlled by a compact all-in-one unit.
1-1	Option	DCS601A52-9	• 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	DCM601B51	• Air conditioning management system that can be controlled by touch screen.
2-1	Hardware	DGE601A52/53	• Additional 64 groups (10 outdoor units) is possible. Max. 7 iTM plus adaptors can be connected to Intelligent Touch Manager.
2-2	Option	iTM plus adaptor	• 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	DCM002A51	• Building energy consumption is visualised. Wasted air conditioning energy can be found out.
2-4		DCM008A51	• 8 pairs based on a pair of ON/OFF input and abnormality input.
2-5	Di unit	DEC101A51	• 4 pairs based on a pair of ON/OFF input and abnormality input.
2-6	Dio unit	DEC102A51	• Interface unit to allow communications between VRV and BMS. Operation and monitoring of air conditioning systems through BACnet® communication.
3		DMS502B51	• Expansion kit, installed on DMS502B51, to provide 2 more DIII-NET communication ports. Not usable independently.
3-1	Optional DIII board	DAM411B51	• Expansion kit, installed on DMS502B51, to provide 16 more wattmeter pulse input points. Not usable independently.
3-2	Optional Di board	DAM412B51	• Interface unit to allow communications between VRV and BMS. Operation and monitoring of air conditioning systems through LonWorks® communication.
4		DMS504B51	• Use of the Modbus protocol enables the connection of the VRV system with a variety of home automation systems from other manufacturers.
5	Home Automation Interface Adaptor	DTA116A51	

Notes:

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

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

*3. Installation box for ★ adaptor must be obtained locally.

Air Handling Unit

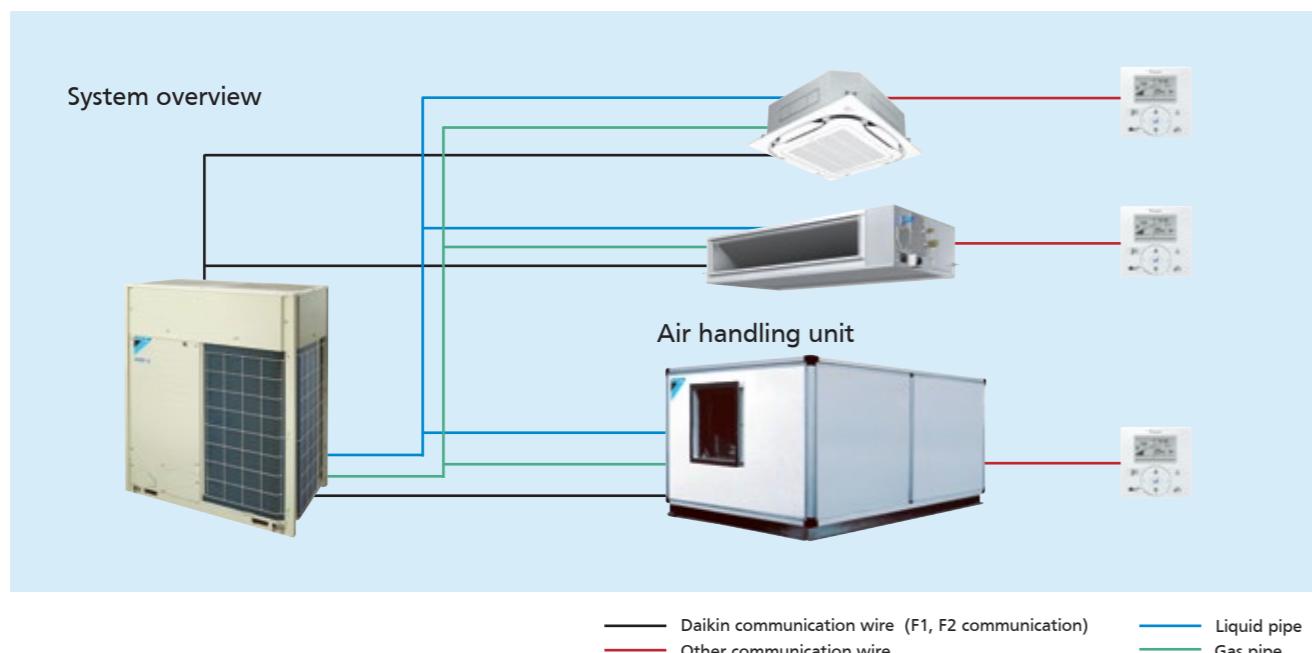
Integrate your air handling unit for large size spaces such as factories and for fresh air solutions.



Capacity range : 6 - 78 HP



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



Air handling units can be connected to VRV systems.

This combination can be built to order as a system. Outdoor air series is also possible. Please contact your local sales office for details.

*Control box and expansion valve kit are necessary for integration of AHU and VRV system.

Header Pack

VRV TM

The Innovative Refrigerant Piping of next generation.

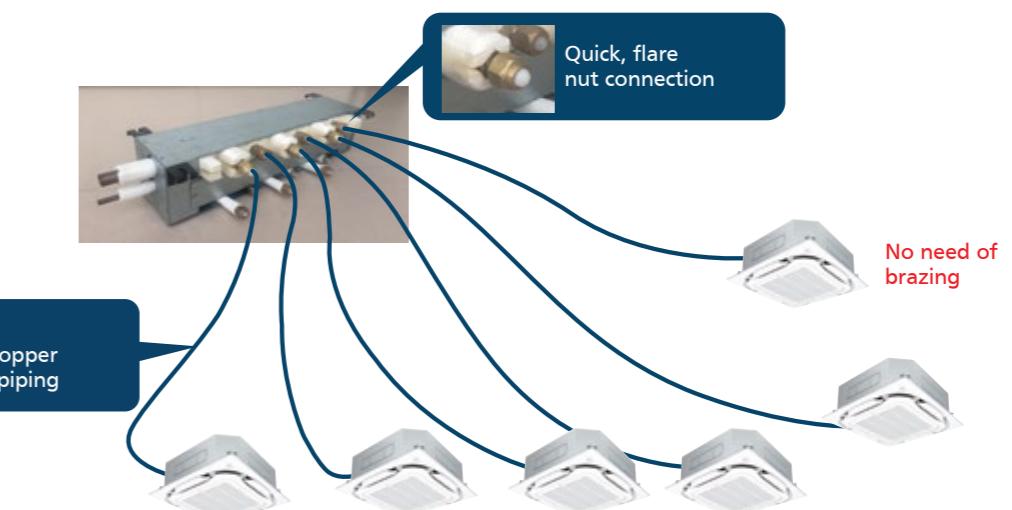
Daikin innovated next generation of quality and efficiency for VRV installation. It offers differentiated solutions in installation. It ensures quality installation with reduction of site work.



Header Pack

Advantage

- Installation time saving: Up to 1/3 of conventional method.
- Easy to Install: Hanging points available.
- Safety: Consists of fusing method, no brazing required*.
- Space saving: Head pack to Indoor unit soft drawn pipe, top side of refrigerant pipe doesn't need space for brazing torch movement.
- Quality Installation: Elimination of difficult process, enhancing quality installation.



Compact design to fit into narrow attic space

Light weight and the compact body give minimum damage on the building structure.

Header Pack Line-up

Model Code	Piping Connections (Liquid/Gas) mm		Indoor Unit Total Capacity Index
	Outdoor Unit Side	Indoor Unit Side	
BHF6RHP6(Z)	09.5/015.9	(09.5/015.9)X1, (06.4/012.7)X3	≤150
BHF6ARHP6(Z)	09.5/015.9	(09.5/015.9)X2, (06.4/012.7)X4	≤150
BHF8RHP6(Z)	09.5/019.1	(09.5/015.9)X3, (06.4/012.7)X3	≤200
BHF 10RHP6(Z)	09.5/022.2	(09.5/015.9)X3, (06.4/012.7)X3	<290
BHF16RHP6(Z)	012.7/028.6	(09.5/015.9)X3, (06.4/012.7)X3	<420



For More information
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Daikin Gas Tight Joint (DGT)



Non-brazed connection for Refrigerant piping

Evolutionarily - Advanced Feature

A combination of rubber packing and screwed metal body offers gas-tight and rigid connection without brazing. Patented "Leverage Method" mechanically holds the pipe and prevents it from pull-out.



Size Ø6.4 - Ø41.3

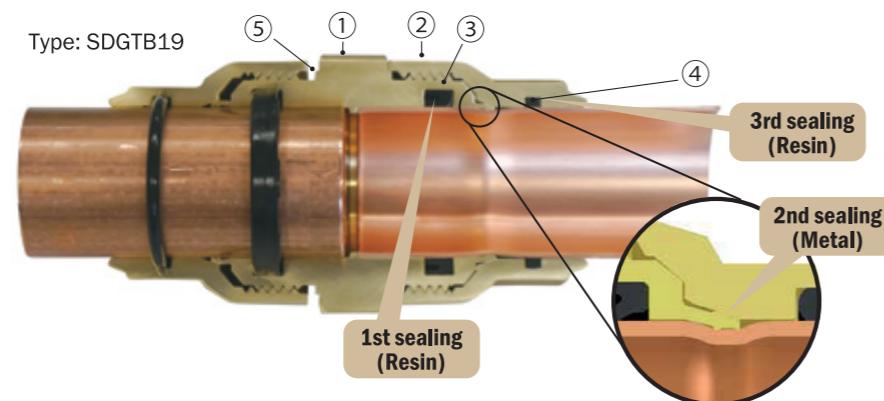
Mechanism

Daikin DGT is a non-brazed connection suitable for piping. Pipes can be joined easily and quickly without brazing or using any special tools. It meets stringent safety requirements and provides leak-free tightness among various substantial benefits.

- Double edged claw catches the pipe to form tight mechanical sealing.
- 3 types of connectors suitable for most pipe sizes and applications.
- Unique mechanical and resin sealing prevent gas leak completely.
- It is durable up to 4 times (17.2MPa) of max. operating pressure.



For More information
'Scan Me'



System Reliability

- No risk of copper oxide or soot in pipes due to no brazing.
- Prevents early compressor failure and prolongs the lifespan of air-conditioners.



Safety First

- As no brazing is required, fire hazards are completely eliminated during installation on site.
- No risk of handling high pressure and flammable gas.



Time & Costs Savings

- No need to apply for hot work permit or station fire safety watchers onsite, thus saving time and cost with less administrative work.
- Simple installation process also reduces installation time.



Daikin Gas Tight Joint Line up (Matching for various piping sizes)

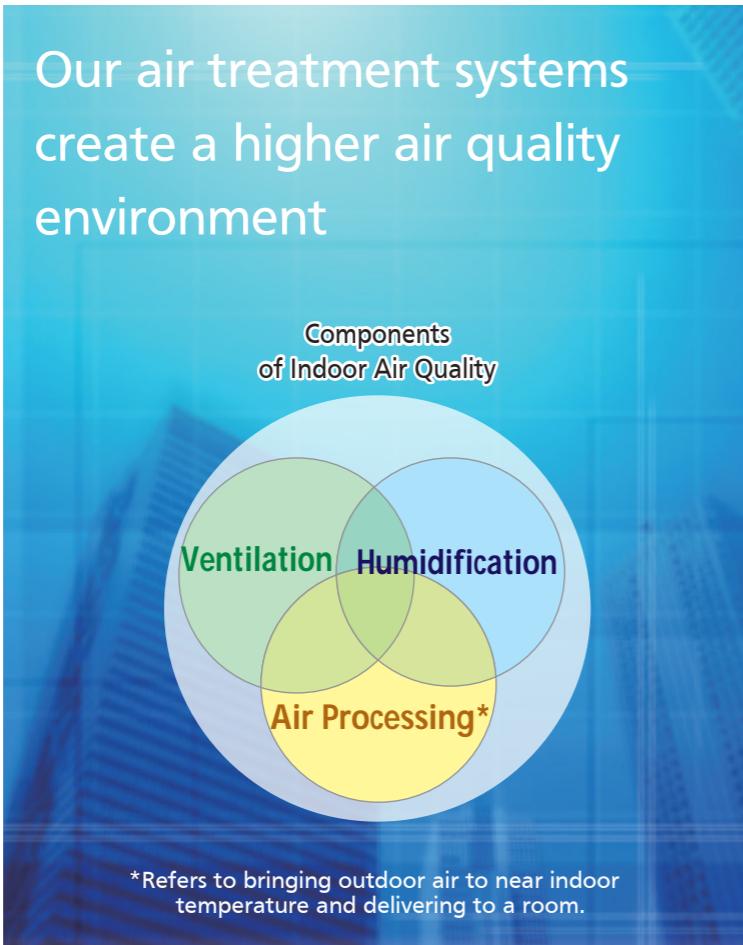
Standard Joints (Connecting the same pipes)

Figure	Model Name	Dimension (mm)			Weight /pc (g)
		ND	AF	L	
	SDGTC06	Ø6.4	19.0	50.4	43
	SDGTC09	Ø9.5	22.2	55	79
	SDGTC12	Ø12.7	23.8	59	113
	SDGTC15	Ø15.9	29.7	74	210
	SDGTB19	Ø19.1	35.0	76.8	273
	SDGTB22	Ø22.2	38.0	83.4	292
	SDGTB28	Ø22.6	45.0	88	515
	BDGTA34	Ø34.9	51.1	101.5	686
	BDGTA41	Ø41.3	58.3	103.5	881

Asymmetry Joints (Connecting different size pipes)

Figure	Model Name	Dimension (mm)			Weight /pc (g)
		ND	AF	L	
	SDGTC0906	Ø9.5-6.4	22.2	19	52.7
	SDGTC1209	Ø12.7-9.5	23.8	22.2	57.5
	SDGTC1512	Ø15.9-12.7	29.7	23.8	65
	SDGTC1915	Ø19.1-15.9	35	29.7	76.8
	SDGTB2219	Ø22.2-19.1	38	35	81.5
	SDGTB2522	Ø25.2-22.2	41.8	38	85.8
	SDGTB2825	Ø28.6-25.4	45	41.8	88.1
	SDGTB3428	Ø34.9-28.6	51.1	45	101.5
					645

Air Treatment Equipment Line-Up



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

	Outdoor Air Processing Unit	Heat Reclaim Ventilator		
		VKM-GAM Type	VKM-GA Type	VAM-GJ Type
Connections with VRV X	Refrigerant Piping Wiring After-Cool & After-Heat Control	Connectable Connectable Available	Connectable Connectable Available	Not connectable Connectable Not available
Heat Exchange Element	—	—	Energy savings obtained	Energy savings obtained
Humidifier	—	Fitted	—	—
High Efficiency Filter	Option	—	Option	Option
Ventilation System	Air supply only	—	Air supply & air exhaust	Air supply & air exhaust
Power Supply	220-240 V, 50 Hz	—	220-240 V, 50 Hz	220-240 V/220 V, 50 Hz
Airflow Rate				250 m³/h
			500 m³/h	500 m³/h
			650 m³/h	650 m³/h
			800 m³/h	800 m³/h
		1260 m³/h	1000 m³/h	1000 m³/h
		1740 m³/h	—	1500 m³/h
		2340 m³/h	—	2000 m³/h

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

Air Treatment Equipment Line-Up



Outdoor Air Processing Unit

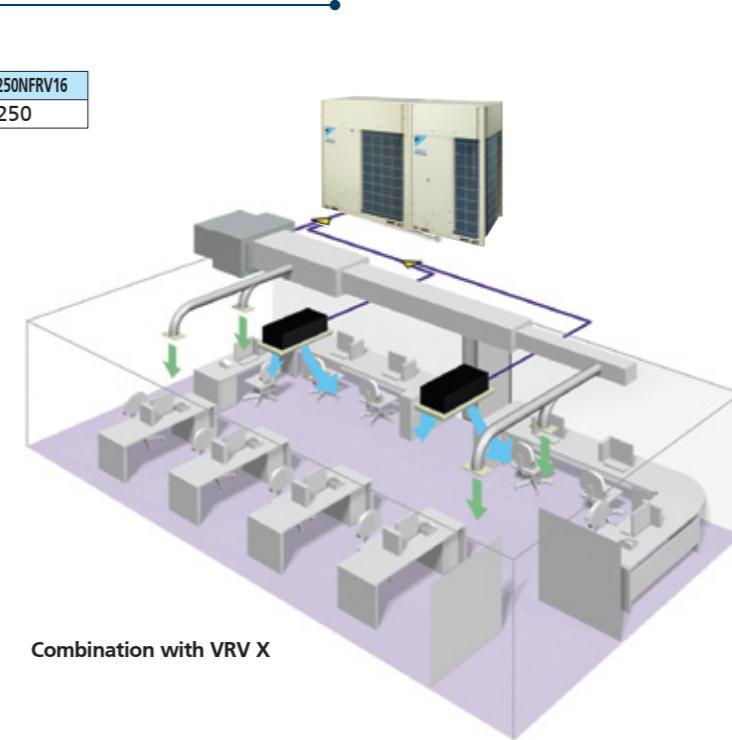
Combination of fresh air treatment and air conditioning, supplied from a single system.

Lineup

Model Name	FXMQ125NFRV16	FXMQ200NFRV16	FXMQ250NFRV16
Capacity Index	125	200	250

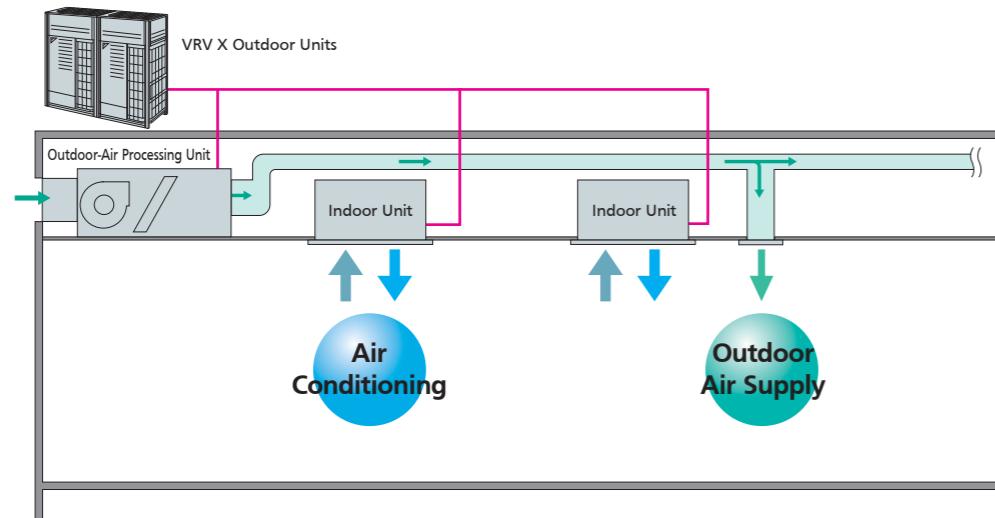


Fresh air treatment and air conditioning can be achieved with a single system by using the heat pump technology - without the usual troublesome air supply and air discharge balance design. Fan coil units for air conditioning and an outdoor-air processing unit can be connected to the same refrigerant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



Combination with VRV X

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.

Standard Specifications

Indoor unit

Type	Ceiling Mounted Duct Type		
Model	FXMQ125NFRV16	FXMQ200NFRV16	FXMQ250NFRV16
Power supply			1-phase 220-240 V (also required for indoor units), 50 Hz
Cooling capacity *1	kcal/h	12,000	19,300
	Btu/h	47,800	76,400
	kW	14.0	22.4
Heating capacity *1	kcal/h	7,700	12,000
	Btu/h	30,400	47,400
	kW	8.9	13.9
Casing			
Dimensions (HxWxD)		440 x 1190 x 1090	440 x 1190 x 1090
Fan	Motor output	kW	0.75
	Airflow rate	m³/min	21
		cfm	741
	External Static Pressure with Filter (PM10+PM50)	Pa	300
Refrigerant piping	Liquid	mm	ø9.5 (flare)
	Gas	mm	ø19.1 (brazing)
	Drain	mm	ø22.2 (brazing)
Machine weight	k g	115	
Sound level *3	220 V/240 V	dBA	48
Connectable outdoor units *4 *5		6 HP and above	
		10 HP and above	

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)
- 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.
- 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.
- 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.
- Local setting mode. Not displayed on the remote controller.
- This equipment cannot be incorporated into the remote group control of the VRV X system.

Air Treatment Equipment Line-Up



Heat Reclaim Ventilator with DX-Coil and Humidifier-VKM Series



For More information
'Scan Me'

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

Line-up

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 line-up 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.

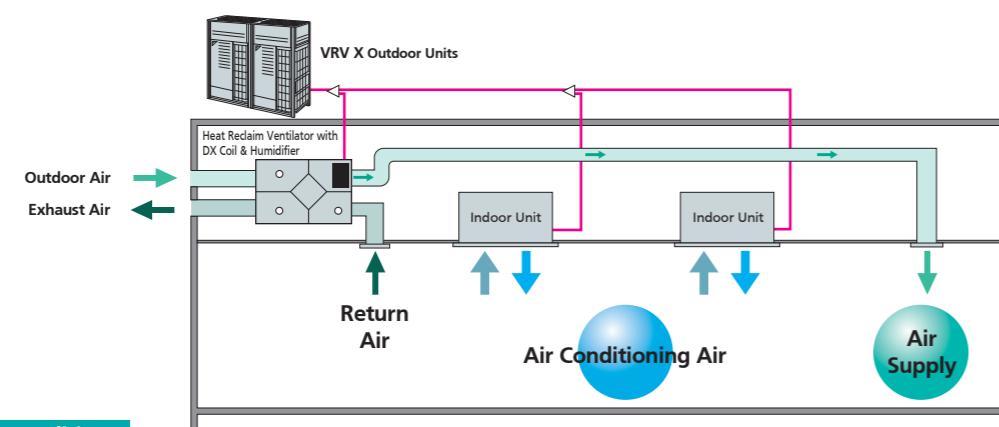
High static pressure

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 responds to customer requirements.

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



Connection Conditions

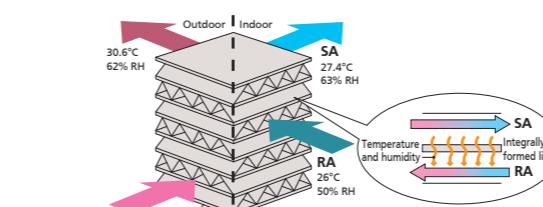
The following restrictions must be observed in order to maintain the indoor units connected to the same system.

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.

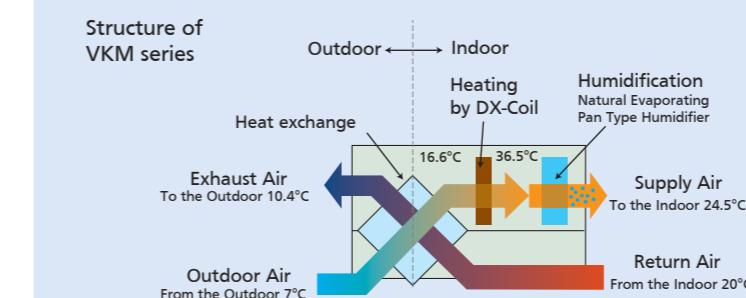
A compact unit packed with our cutting-edge technology



Operation of the heat exchanger element



Heating and humidification process



Humidification: 5.4kg/h (VKM100GAMV1)

The outdoor air is heated from 16.6°C to 36.5°C with DX-coil, Natural Evaporating Pan Type Humidifier is passed and humidification capacity is improved.

DX-coil: Heat Exchanger which heats or cools the air by VRV outdoor unit's refrigerant.

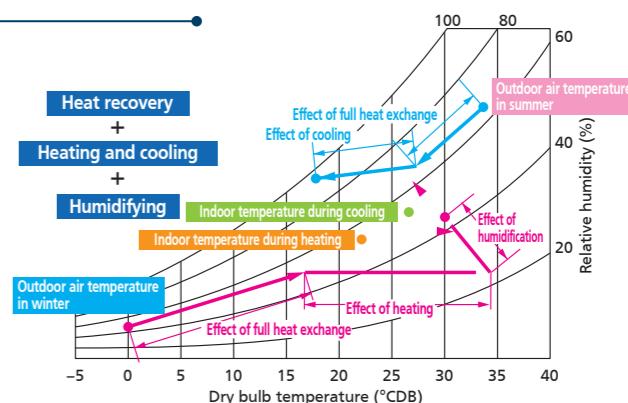
Efficient outdoor air introduction with heat exchanger and cooling/heating operations

Indoor unit with outdoor air treatment

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

Other features

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



Air Treatment Equipment Line-Up



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 m³/h	500	750	950	500	750	950				
	Ultra-high	Static pressure Pa	160	140	110	180	170	150				
	High	Airflow rate m³/h	500	750	950	500	750	950				
	High	Static pressure Pa	120	90	70	150	120	100				
	Low	Airflow rate m³/h	440	640	820	440	640	820				
	Low	Static pressure Pa	100	70	60	110	80	70				
Power Consumption	Heat exchange mode	Ultra-high W	560	620	670	560	620	670				
	Heat exchange mode	High W	490	560	570	490	560	570				
	Heat exchange mode	Low W	420	470	480	420	470	480				
	Bypass mode	Ultra-high W	560	620	670	560	620	670				
	Bypass mode	High W	490	560	570	490	560	570				
	Bypass mode	Low W	420	470	480	420	470	480				
Fan Type			Sirocco Fan									
Motor Output			kW	0.280 x 2	0.280 x 2	0.280 x 2	0.280 x 2	0.280 x 2				
Sound Level (Note 5) (220/230/240 V)	Heat exchange mode	Ultra-high	dBA	37/37.5/38	38.5/39/40	39/39.5/40	38/38.5/39	40/41/41.5				
		High	dBA	35/35.5/36	36/37/37.5	37/37.5/38	36/36.5/37	37.5/38/39				
		Low	dBA	32/33/34	33/34/35.5	34/34.5/35.5	33.5/34.5/35.5	34.5/36/37				
	Bypass mode	Ultra-high	dBA	37/37.5/38	38.5/39/40	39/39.5/40	38/38.5/39	40/41/41.5				
		High	dBA	35/35.5/36	36/37/37.5	37/37.5/38	36/36.5/37	37.5/38/39				
		Low	dBA	32/33/34	33/34/35.5	34/34.5/35.5	33.5/34.5/35.5	34.5/36/37				
Humidification Capacity (Note 4)			kg/h	2.7	4.0	5.4	—					
Temp. Exchange Efficiency			%	76	78	74	76	78				
			%	76	78	74	76	78				
			%	77.5	79	76.5	77.5	79				
Enthalpy Exchange Efficiency (Cooling)			%	64	66	62	64	66				
			%	64	66	62	64	66				
			%	67	68	66	67	68				
Enthalpy Exchange Efficiency (Heating)			%	67	71	65	67	71				
			%	67	71	65	67	71				
			%	69	73	69	69	73				
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 Non-flammable Paper									
Air Filter			Multidirectional Fibrous Fleece									
DX-coil Capacity	Cooling (Note 2)		kW	2.8	4.5	5.6	2.8	4.5				
	Heating (Note 3)		kW	3.2	5.0	6.4	3.2	5.0				
Dimensions	Height		mm	387	387	387	387	387				
	Width		mm	1,764	1,764	1,764	1,764	1,764				
	Depth		mm	832	1,214	1,214	832	1,214				
Connection Duct Diameter			mm	Ø 200	Ø 250	Ø 200	Ø 250					
Machine Weight	Net		kg	102	120	125	96	109				
	Gross (Note 8)		kg	107	129	134	—					
Unit Ambient Condition			0°C~40°C DB, 80%RH or less									
Around Unit			-15°C~40°C DB, 80%RH or less									
OA (Note 9)			0°C~40°C DB, 80%RH or less									
RA (Note 9)			0°C~40°C DB, 80%RH or less									

Notes: 1. Cooling and heating capacities are based on the following conditions. Fan is based on High and Ultra-high. When calculating the capacity as indoor units, use the following figures: VKM50GAMV1/GV1: 3.5 kW, VKM80GAMV1/GV1: 5.6 kW, VKM100GAMV1/GV1: 7.0 kW.
 2. Indoor temperature: 27°C DB, 19°C WB, Outdoor temperature: 35°C DB.
 3. Indoor temperature: 20°C DB, Outdoor temperature: 7°C DB, 6°C WB.
 4. Humidifying capacity is based on the following conditions: Indoor temperature: 20°C DB, 15°C WB, Outdoor temperature: 7°C DB, 6°C WB.
 5. The operating sound measured at the point 1.5 m below the centre of the unit is converted to that measured in an anechoic chamber built in accordance with the JIS C 1502 conditions. The actual operating sound varies depending on the surrounding conditions (near running unit's sound, reflected sound and so on) and is normally higher than this value.
 For operation in a quiet room, it is required to take measures to lower the sound.
 For details, refer to the Engineering Data.
 6. The noise level at the air discharge port is about 8~11 dBA 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 continue 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 air intake) of this unit directly from the ceiling, connect to a BS unit identical to the VRV indoor unit (master unit), and use group-linked operation. (See the Engineering Data for details).
 15. When connecting the indoor unit directly to the duct, always use the same system on the indoor unit as with the outdoor unit, perform group-linked operation, and make the direct duct connection settings from the remote controller. (Mode No. "17 (27)" - First code No. "5" - Second code No. "6") Also, do not connect to the outlet side of the indoor unit. Depending on the fan strength and static pressure, the unit might back up.

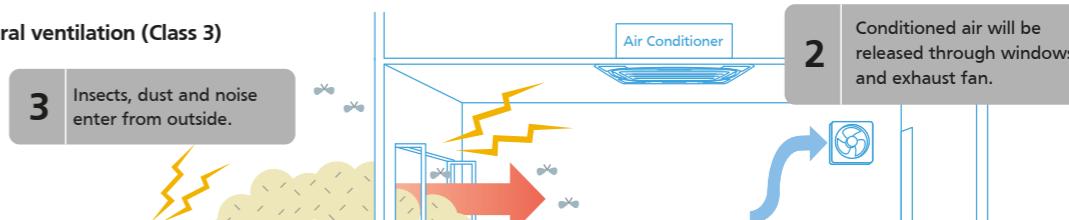
★ Feed clean water (city water, tap water or equivalent). Dirty water may clog the valve or cause dirt deposits in the water container, resulting in poor humidifier performance. (Never use any cooling tower water and heating-purpose water.) Also, if the supply water is hard water, use a water softener because of short life.
 * Life of humidifying element is about 3 years (4,000 hours) under the supply water conditions of hardness: 150 mg/l. (Life of humidifying element is about 1 year (1,500 hours) under the supply water conditions of hardness: 400 mg/l.)
 Annual operating hours: 10 hours/day x 26 days/month x 5 months = 1,300 hours.

Heat Reclaim Ventilator - VAM Series

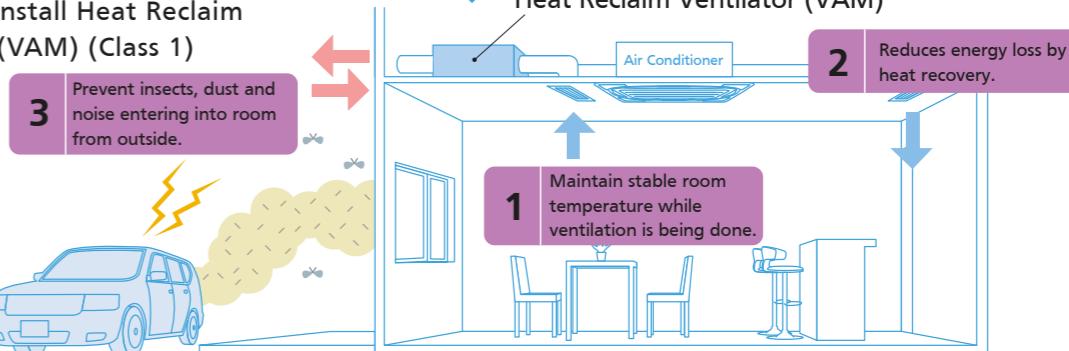
Good quality air for every day

Controlling the necessary elements will improve the quality of ventilation.

In case of natural ventilation (Class 3)



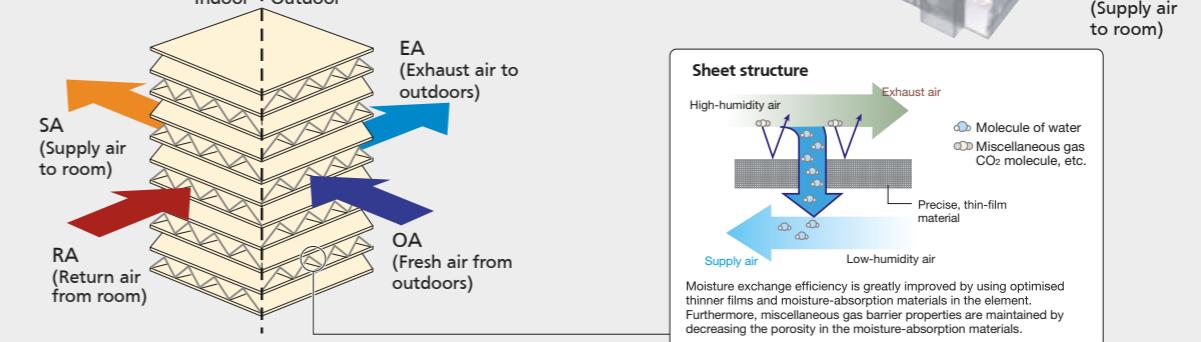
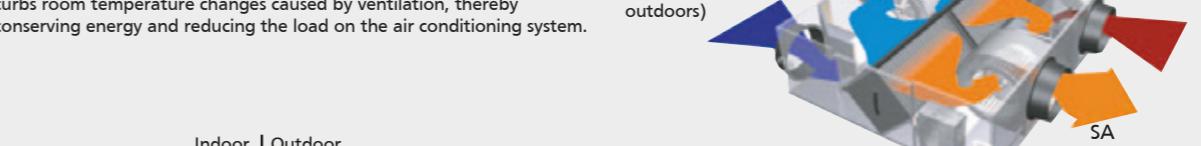
In case of install Heat Reclaim Ventilator (VAM) (Class 1)



Air conditioning load is reduced by heat recovery

Total heat exchange ventilation

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



Air Treatment Equipment Line-Up



Airflow Control

Class 1 Ventilation	
<p>Both supply air and exhaust air are controlled by mechanical ventilation in order to achieve stable ventilation when required.</p> <p>For common ventilation usage, Class 1 ventilation is able to meet the requirement.</p> <p>"For example: Heat Reclaim Ventilator"</p>	
<p>System that uses mechanical ventilation for supply air and natural ventilation for exhaust air.</p> <p>Class 2 ventilation is often used for specific purpose such as positively pressured room (Hospital Clean Room, Factory Clean Room).</p> <p>"For example: Mechanical Ventilation (Supply)"</p>	
<p>System that uses natural ventilation for supply air and mechanical ventilation for exhaust air.</p> <p>Class 3 ventilation often being used at area with high odor generation such as kitchen and toilet.</p> <p>"For example: Mechanical Ventilation (Exhaust)"</p>	

Fresh Up Operation

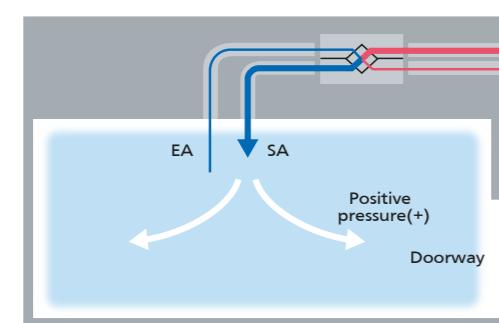
By changing the airflow balance, positive pressure or negative pressure in a room can be achieved in order to prevent pollutants from entering or flowing out.

Supply fresh up operation increases the supply air volume to prevent pollutants from entering into the room.

For example, it keeps outdoor pollen and dust from entering when doors are opened or closed, or through gaps in windows.

Example: Convenience Stores

By positive pressure in the room, the entering of dirty outside air, odors and moisture when opening and closing of doorway is prevented.

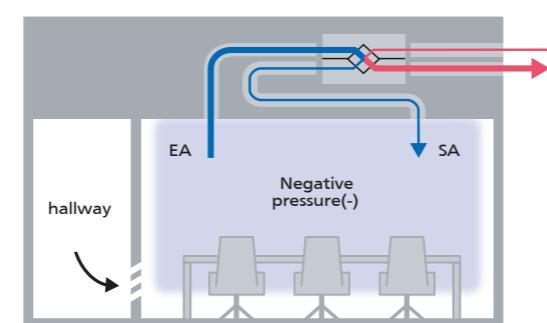


Exhaust fresh up operation will increase exhaust air volume to prevent pollutants from flowing to other area.

For example, to prevent dirty air generated indoors from flowing out in through windows and doors, the indoor air is kept under negative pressure and discharged.

Example: Conference Room

By negative pressure in the room, contaminated air and moisture from the room is prevented from leaking into other areas.

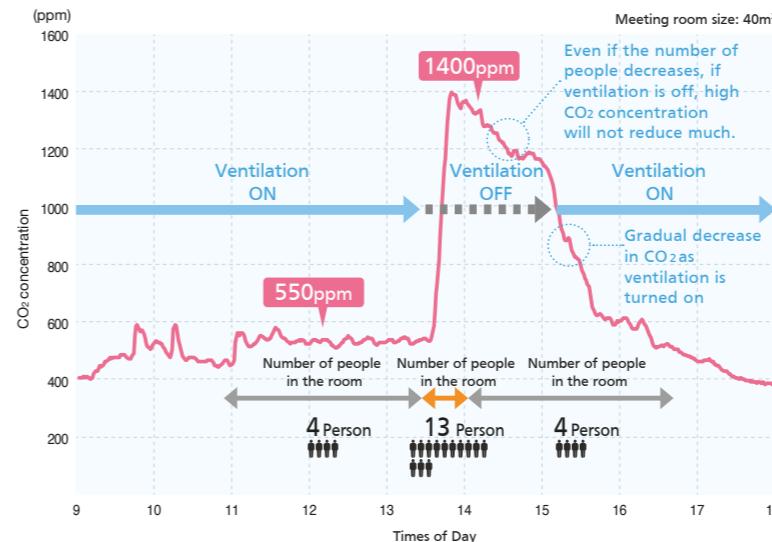


Ventilation volume control with CO2 sensor interlocking

During increase in CO₂ level in the room, ventilation air volume will be increased to have higher air exchange in order to reduce the CO₂ level in room.

Human occupancy is reflected as CO₂ concentration

Change in CO₂ concentration in conference room

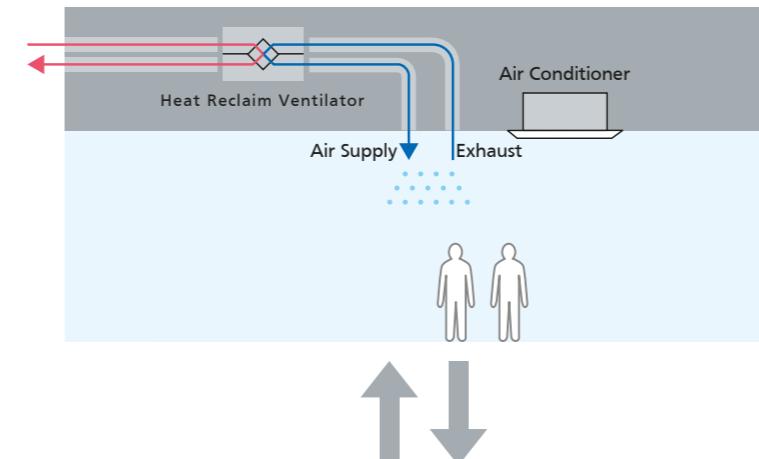


Experimental data: CO₂ concentration in the conference room. Closed conference rooms often tend to have stagnant air flow. In long meeting duration or meeting with full occupancy, the concentration of CO₂ increases due to the exhaled CO₂ from human and causes decrease in mind concentration. In order to achieve effective ventilation in short period, mechanical ventilation and natural ventilation should be combined to replace the air.

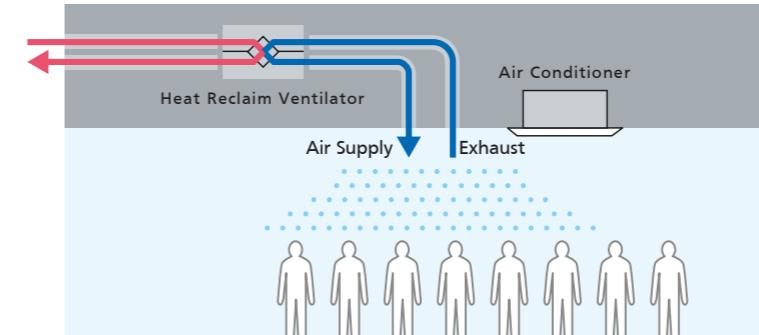
Image is for illustrative purpose.

Equipped with a CO₂ sensor to automatically control the ventilation volume according to the CO₂ concentration

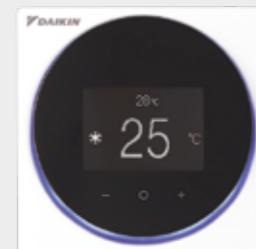
Low airflow when there is low occupancy.



High airflow when there is an increase in occupancy.



NEW!
New Wired Controller (BRC1H62W/K)



With the new wired controller, BRC1H62W/K, the airflow is able to be automatically controlled based on CO₂ concentration and CO₂ concentration is able to be visualized on the screen*.

*Optional accessory CO₂ sensor is required for this function.

This CO₂ sensor cannot be used as CO₂ measurement tool. CO₂ concentration value will be subject to change depending on the room condition and environment.

Air Treatment Equipment Line-Up



Energy Saving Ventilation (interlocked with air conditioner)

Air conditioner and ventilation system can be interlocked to provide even greater comfort and energy saving.

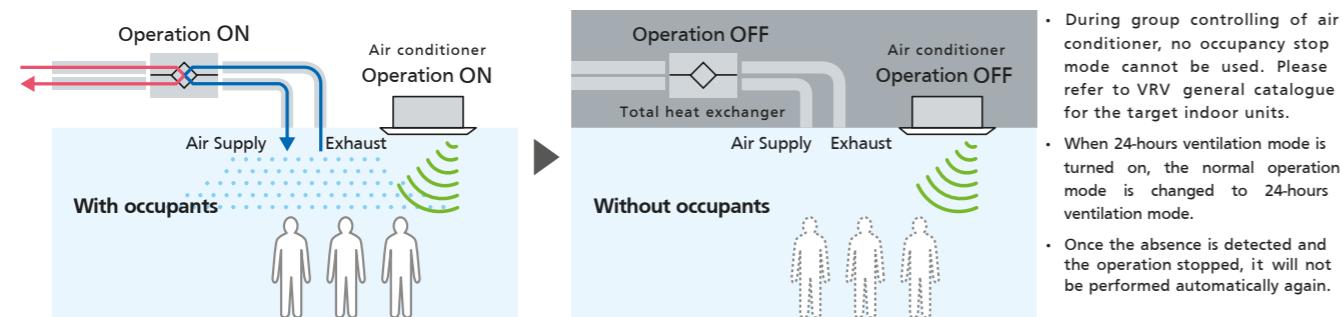
The system can be interlocked with Daikin air conditioners to provide energy saving ventilation solution for various situation.



Sensing Sensor Stop Mode

In situation of no human occupancy detection, the operation is turned off.

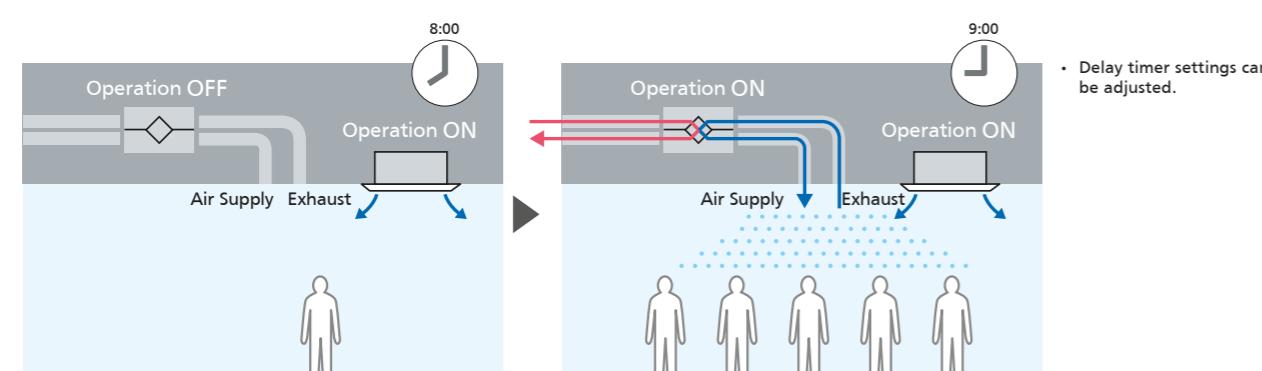
When the "Sensing sensor" installed on the air conditioner detects no occupancy in the room, the ventilation system and air conditioner system is turned off automatically to reduce energy wastage.



Pre-Cooling/Pre-Heating Control

The operation of ventilation system is delayed during this mode.

During first start up of the air conditioner, the start up operation of ventilation system is delayed in order to reduce additional heat load from outside air. This will reduce power consumption for the air conditioner as well.



Auto-Ventilation Mode Changeover Switching

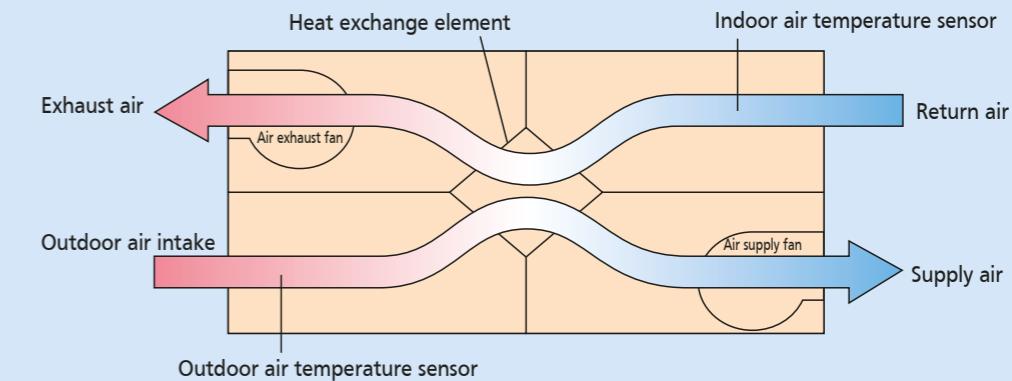
Automatically switches the ventilation mode (Total Heat Exchange Mode/Bypass Mode) according to the operating status of the air conditioner.

When the cooling operation is required in winter, use of heat recovery ventilation is not efficient because the outdoor air temperature is normally lower than that of the indoor. Thus, the proper use of ventilation mode enhances the heating / cooling efficiency.

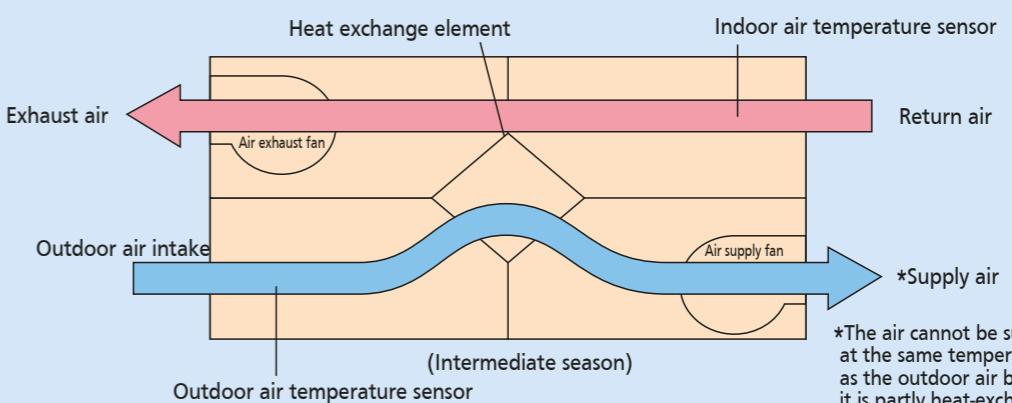
In addition, by installing a humidity sensor (optional), automatic switching by heat (energy) or discomfort index is possible which further improves energy efficiency and comfort.

Total Heat Exchange Mode

(Cooling operation in summer/Heating operation in winter)



Bypass Mode (#Intermediate- season)



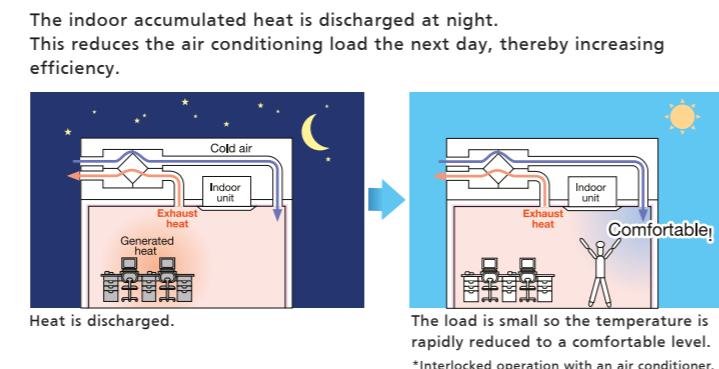
Air Treatment Equipment Line-Up



Night time free cooling operation

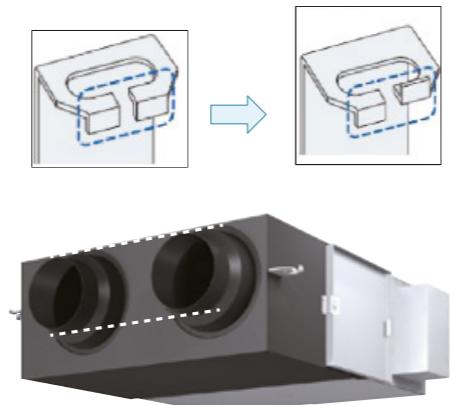
Night time free cooling operation is an energy-conserving function that works at night when air conditioners are off. By ventilating rooms containing office equipment that raises the room temperature, night time free cooling operation reduce the cooling load when air conditioners are turned on in the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

- When connected to air conditioners, operation of heat reclaim ventilator is controlled according to the set temperature, outside air temperature and room temperature.
- When using only ventilation unit, operation of heat reclaim ventilator is controlled according to the set temperature on remote controller.
- Night time free cooling operation is possible during air conditioners linked operation by centralized control.
- Night time free cooling operation is set to "off" in the factory settings, so if there is a need to turn on, please contact Daikin dealer.



Improved Installation Method

1. Improved installation process by changing the dimension and shape of hanging bracket.
 - The nut dropout prevention structure eliminates the need to replace the hanging bracket even when mounting upside down.
 - It also prevents the anti-vibration hanging bracket from interfering with the equipment.
2. Improved duct installation process with new duct connector location.
 - The duct connector is adjusted to be parallel to each other in order to ease duct installation process.
3. Improves controllability by input / output signals and simplifies various wiring work.
 - Operation, ventilation volume, and ventilation mode can be switched by external contact input.
 - Output signal terminal for external dampers.
 - Output signal terminal for abnormal signals and filter signs.



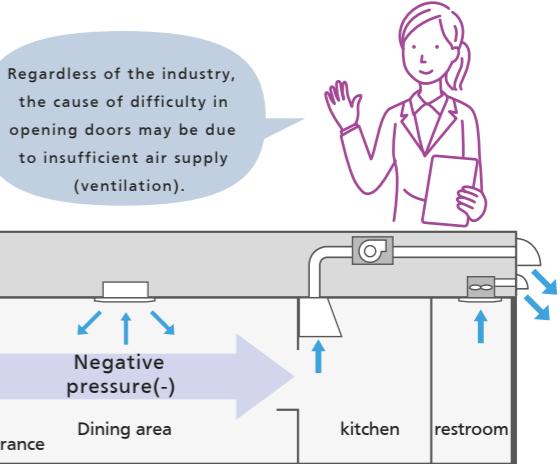
Application Example

Ventilation related points to be taken into note during designing stage.

Restaurant

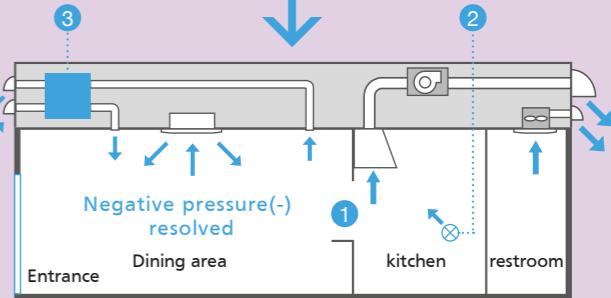
Problem

- The entrance door is difficult to open.
- The food smell leaks to dining area.
- Hot outside air is coming in when the entrance door is opened.



Countermeasure plan

1. Separate ventilation for kitchen and customer dining area.
2. Provide an air supply vent in the kitchen.
3. Install a Heat Reclaim Ventilator in the dining area.



Office & Shoplot

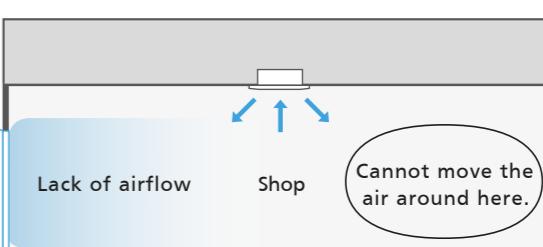
Problem

- Ventilation cannot be achieved by opening windows or doors.
- No large windows or doors at the area.



No air movement due to low airflow.

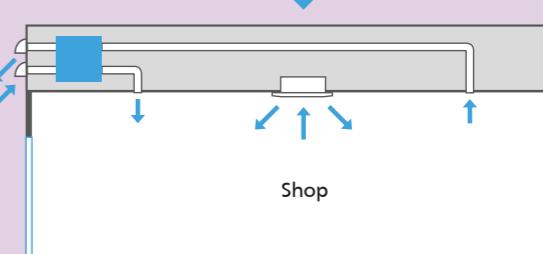
In the case of windows and doors are located at the front only, there will be no air movement at the back of the shop. Air will be stagnant and not well ventilated.



Countermeasure plan

Heat Reclaim Ventilator must be installed to provide effective mechanical ventilation.

As a result, airflow is able to ventilate all areas of the shop.



Air Treatment Equipment Line-Up



Remote Controller & Option List

Standard remote controller: - BRC1H63W/BRC1H63K

Optional remote controller: - Navigation remote controller-BRC1E63, Simplified remote controller-BRC2E61
(Optional controller are connectable with some function limitation.)

Function	Detail	BRC1H63W(K)	BRC1E63	BRC2E61
Air conditioner interlock	Interlock Heat Reclaim Ventilator with air conditioner by one remote controller.	●	●	●
Ventilation mode	Switch the ventilation mode (Automatic, Heat exchange, Bypass).	●	●	-
Ventilation airflow rate	When using CO ₂ sensor, ventilation volume can be changed.	●	●	●
Fresh up indication	Indicates that fresh up operation is being carried out.	●	-	-
CO ₂ indication	Indicates value of CO ₂ sensor.	○	-	-
Outdoor temperature indication	Indicates outdoor air temperature (OA).	○	-	-
Night time free cooling indication	Show the night purge icon when is set.	○	-	-
24 hours ventilating indication	Show the icon when 24hrs operation is set.	○	-	-
Ventilating operation indication	Indicates that ventilating operation is being carried out even when night purge operation and 24 hour ventilating operation is being carried out.	●	●	-
Ventilating standby indication	Indicates that ventilating operation has been stopped temporarily during pre-cool / pre-heat control.	○	-	-
Sharing CO ₂ data	Share the CO ₂ data to submit from main unit within the group.	○	-	-

Additional functions: ● Installed functions ○ Additional Installation function

Option List:

Type	Item	VAM250HVE	VAM500HVE	VAM650HVE
Additional Function	Silencer Nominal Pipe mm	-	KDDM24B100 φ200	
	High efficiency filter	KAF242J25M	KAF242J65M	
	Air filter for replacement	KAF241J25M	KAF241J65M	
	Flexible duct (1m)	K-FDS151E	K-FDS201E	
	Flexible duct (2m)	K-FDS152E	K-FDS202E	
	CO ₂ sensor	BRYC24A25M	BRYC24A65M	
	Humidity sensor	BRYH241A100 (for RA) / BRYH242A100 (for OA)		
	PM2.5 filtration unit	BAF249A300	BAF249A500	-
	PM2.5 with activated carbon filtration unit	BAF249A300C	BAF249A500C	-
	Wired remote controller	BRC1H62W (White) / BRC1H62K (Black) / BRC1E63 / BRC2E61		
Controlling device	Residential central remote controller	DCS303A51*1		
	Centralised controlling device	DCS302CA61		
	Unified ON/OFF controller	DCS301BA61		
	Schedule Timer	DST301BA61		
	Wiring adaptor for electrical appendices	KRP2A62		
	Installation box for adaptor	KRP1C18A90		
	For heater control kit	BRP4A50A		
	PCB adaptor for wiring	KRP1C18		

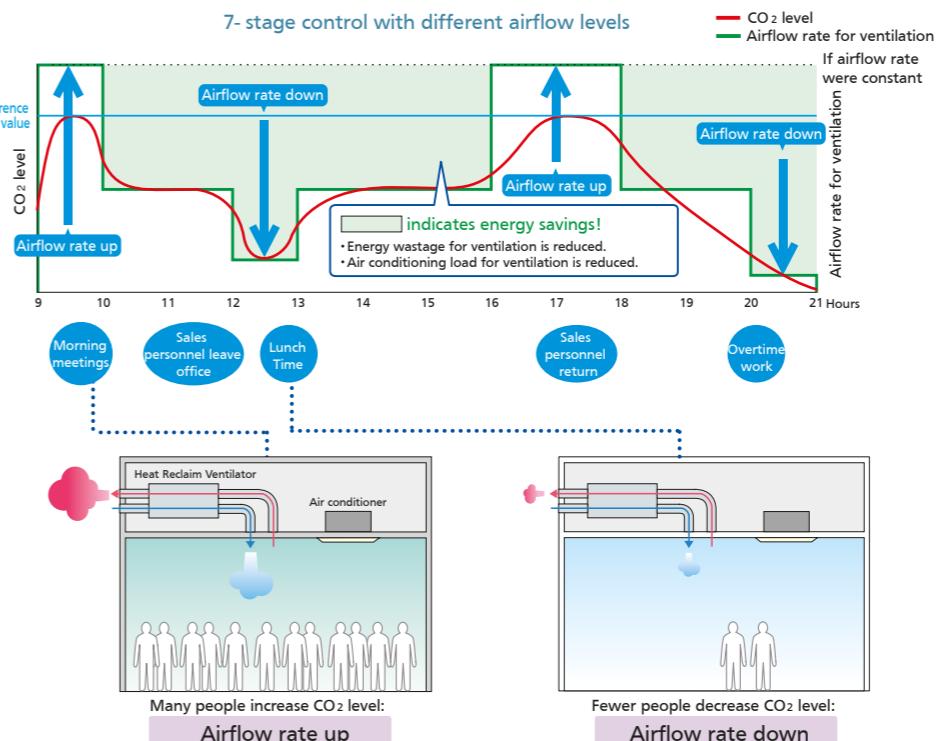
Type	Item	VAM800HVE	VAM1000HVE	VAM1500HVE	VAM2000HVE
Additional function	Silencer Nominal pipe mm	KDDDM24B100	φ250	KDDDM24B100 x 2	
	High efficiency filter	KAF242K100M	KAF242K100M x 2		
	Air filter for replacement	KAF241K100M	KAF241K100M x 2		
	Flexible duct (1m)	K-FDS251E			
	Flexible duct (2m)	K-FDS252E			
	CO ₂ sensor	BRYC24A100M			
	Humidity sensor	BRYH241A100 (for RA) / BRYH242A100 (for OA)			
	PM2.5 filtration unit	BAF429A20A			
	PM2.5 with activated carbon filtration unit	BAF429A20AC			
	Wired remote controller	BRC1H62W (White) / BRC1H62K (Black) / BRC1E63 / BRC2E61			
Controlling device	Residential central remote controller	DCS303A51*1			
	Central remote controller	DCS302CA61			
	Unified ON/OFF controller	DCS301BA61			
	Schedule Timer	DST301BA61			
	Wiring adaptor for electrical appendices	KRP2A62			
	Installation box for adaptor	KRP1C18A90			
	For heater control kit	BRP4A50A			
	PCB adaptor for wiring	KRP1C18			

*1 For residential only. When connect with a Heat Reclaim Ventilator (VAM), you can only switch the power ON/OFF. It cannot be used with other central control equipment.

Airflow rate control with CO₂ sensor

The CO₂ sensor controls airflow rate so that it best matches the changes of CO₂ level in the room. This prevents energy losses from over-ventilation while maintaining indoor air quality with optional CO₂ sensor.

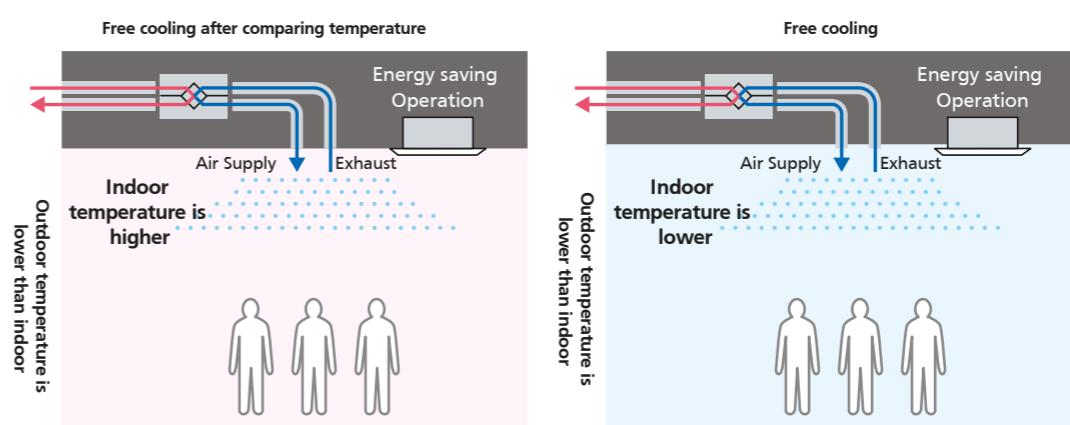
Example of CO₂ sensor operation in an office room:



Automatic Ventilation Mode Switching (Bypass control) with Humidity sensor

Suitable ventilation mode depending on condition will be switched automatically.

The ventilation unit detects room temperature and outside air temperature, then automatically switches to suitable ventilation mode to provide higher energy-savings. By installing humidity sensor (optional item), the mode will be switched automatically based on the amount of heat (energy) and discomfort index to further improve energy saving and comfort. *1



*1 "Energy saving ventilation mode" or "Comfortable ventilation mode" can be selected by local setting.

Technical Specifications



Unit						
MODEL			VAM250HVE	VAM500HVE	VAM650HVE	
Power Supply						
Temp. Exchange Efficiency (50/60 Hz)	For Cooling	Ultra-High	% 60.5 / 60.5	61.5 / 61.5	59.5 / 59.5	
		High		61.5 / 61.5	59.5 / 59.5	
		Low		65.0 / 65.5	63.0 / 64.0	
	For Heating	Ultra-High	% 76.5 / 76.5	80.0 / 80.0	74.5 / 74.5	
		High		76.5 / 76.5	80.0 / 80.0	
		Low		78.5 / 79.0	81.5 / 82.5	
Enthalpy Exchange Efficiency (50/60 Hz)	For Cooling	Ultra-High	% 60.0 / 60.0	62.5 / 62.5	60.0 / 60.0	
		High		60.0 / 60.0	62.5 / 62.5	
		Low		61.5 / 62.0	64.0 / 65.0	
	For Heating	Ultra-High	% 69.5 / 69.5	71.0 / 71.0	68.0 / 68.0	
		High		69.5 / 69.5	71.0 / 71.0	
		Low		73.0 / 73.5	72.5 / 73.5	
Power Consumption (50/60 Hz)	Heat Exchange Mode	Ultra-High	W 126-141 / 172	296-326 / 390	381-426 / 472	
		High		114-123 / 144	248-261 / 329	
		Low		75-83 / 79	223-233 / 268	
	Bypass Mode	Ultra-High	W 126-141 / 172	296-326 / 390	381-426 / 472	
		High		114-123 / 144	248-261 / 329	
		Low		75-83 / 79	223-233 / 268	
Sound Level (50/60 Hz)	Heat Exchange Mode	Ultra-High	dBA 33.0-34.0 / 33.5	36.0-37.0 / 38.5	37.5-38.0 / 38.0	
		High		31.0-32.5 / 28.0	35.0-36.0 / 35.0	
		Low		23.0-25.5 / 21.0	32.0-34.0 / 31.0	
	Bypass Mode	Ultra-High	dBA 33.0-34.0 / 34.5	36.0-37.0 / 38.5	39.5-40.0 / 42.0	
		High		31.5-32.5 / 29.0	35.0-36.0 / 35.0	
		Low		23.5-25.5 / 21.5	32.0-34.0 / 31.0	
Casing			Galvanised steel plate			
Insulation Material			Self-extinguishable polyurethane foam			
Dimensions (HxWxD)		mm	278 x 551 x 810	338 x 832 x 973		
Machine Weight		kg	22	41	43	
Heat Exchange System			Air to air cross flow total heat (Sensible heat + latent heat) exchange			
Heat Exchange Element Material			Specially processed nonflammable paper			
Air Filter			Multidirectional fibrous fleeces			
Fan	Type		Sirocco fan			
	Airflow Rate (50/60 Hz)	Ultra- High	m³/h 250 / 250	500 / 500	650 / 650	
		High		500 / 500	650 / 650	
		Low		165 / 145	470 / 420	
	External Static Pressure (50/60 Hz)	Ultra- High	Pa 115-130 / 135	165-190 / 245	185-190 / 260	
		High		80-90 / 60	140-175 / 180	
		Low		35-75 / 20	124-155 / 127	
Motor Output		kW	0.030 x 2	0.100 x 2	0.170 x 2	
Net Supply Airflow Ratio		Ultra-High	%	90		
Connection Duct Diameter	Indoor side	mm	φ150	φ200	φ200	
	Outdoor side	mm				
Unit Ambient Condition			-15°C-50°C DB, 80%RH or less			

* Values for electrical current, power consumption, and efficiency are at the above above-stated airflow.

* Exchange efficiencies are values based on performance codes and air conditions that comply with JIS B8628:2017.

* Temperature exchange efficiency and enthalpy exchange efficiency vary according to the ratio of supply air and exhaust air and air conditions.

* Operation sound is an anechoic chamber conversion that complies with JISB8628:2017. When measured under actual installation conditions, the operation sound is usually greater due to ambient noise and reverberation.

Unit							
Model			VAM800HVE	VAM1000HVE	VAM1500HVE	VAM2000HVE	
Power Supply							
Temp. Exchange Efficiency (50/60 Hz)	For Cooling	Ultra-High	% 61.5 / 61.5	58.0 / 58.0	61.5 / 61.5	58.5 / 58.5	
		High		61.5 / 61.5	58.0 / 58.0	61.5 / 61.5	
		Low		64.0 / 65.0	61.5 / 62.0	65.5 / 66.0	
	For Heating	Ultra-High	% 77.5 / 77.5	74.0 / 74.0	77.5 / 77.5	73.5 / 73.5	
		High		77.5 / 77.5	74.0 / 74.0	77.5 / 77.5	
		Low		78.5 / 79.5	76.0 / 76.5	79.5 / 80.0	
Enthalpy Exchange Efficiency (50/60 Hz)	For Cooling	Ultra-High	% 63.0 / 63.0	60.0 / 60.0	63.0 / 63.0	60.0 / 60.0	
		High		63.0 / 63.0	60.0 / 60.0	63.0 / 63.0	
		Low		64.5 / 65.5	62.0 / 62.5	65.5 / 66.0	
	For Heating	Ultra-High	% 72.0 / 72.0	68.5 / 68.5	72.0 / 72.0	68.0 / 68.0	
		High		72.0 / 72.0	68.5 / 68.5	72.0 / 72.0	
		Low		74.0 / 75.0	72.0 / 72.5	74.0 / 75.0	
Power Consumption (50/60 Hz)	Heat Exchange Mode	Ultra-High	W 644-684 / 829	683-736 / 883	1,274-1,353 / 1,645	1,365-1,471 / 1,763	
		High		603-612 / 712	621-656 / 763	1,207-1,225 / 1,423	
		Low		504-544 / 562	539-569 / 594	1,008-1,089 / 1,125	
	Bypass Mode	Ultra-High	W 644-684 / 829	683-736 / 883	1,274-1,353 / 1,645	1,365-1,471 / 1,763	
		High		603-612 / 712	621-656 / 763	1,207-1,225 / 1,423	
		Low		504-544 / 562	539-569 / 594	1,008-1,089 / 1,125	
Sound Level (50/60 Hz)	Heat Exchange Mode	Ultra-High	dBA 41.5-42.5 / 41.0	42.0-43.0 / 42.5	43.0-44.0 / 44.0	43.5-44.0 / 44.5	
		High		39.5-41.0 / 37.0	40.0-41.0 / 38.0	41.0-42.5 / 39.0	
		Low		36.0-38.5 / 33.0	38.0-39.5 / 34.5	38.0-40.5 / 35.0	
	Bypass Mode	Ultra-High	dBA 41.5-42.5 / 41.0	42.0-43.0 / 42.5	43.0-44.0 / 44.0	43.5-44.0 / 44.5	
		High		39.5-41.0 / 37.0	40.0-41.0 / 38.0	41.0-42.5 / 39.0	
		Low		36.0-38.5 / 33.0	38.0-39.5 / 34.5	38.0-40.5 / 35.0	
Casing			Galvanised steel plate				
Insulation Material			Self-extinguishable polyurethane foam				
Dimensions (H x W x D)		mm	387 x 1,012 x 1,110		785 x 1,012 x 1,110		
Machine Weight		kg	63	63	138	138	
Heat Exchange System			Air to air cross flow total heat (Sensible heat + latent heat) exchange				
Heat Exchange Element Material			Specially processed nonflammable paper				