DAIKIN

Perfecting the Air

VRV 6 X SERIES

Saves More Energy and Delivers Exceptional Performance

Cooling Only 6HP (16 kW) – 60 HP (168 kW)

Integrated with IOT Solution:

Simple Touch Controller
DTP401A61

MARUTTO edge
DGE601A51

MARUTTO

Reiri

Home and Office Usage

Single Outdoor units
RXUQ6-20BYMG

Double Outdoor units
RXUQ22-40BMYM
RXUQ14-20BMYM-SG

Triple Outdoor units
RXUQ42-60BMYM
RXUQ26-48BMYM-SG

R-410A

Cooling Only 50 Hz

RXUQ6BYMG
RXUQ8BYMG
RXUQ10BYMG
RXUQ12BYMG

RXUQ14BYMG
RXUQ16BYMG

RXUQ18BYMG
RXUQ20BYMG

VRV 6 X SERIES

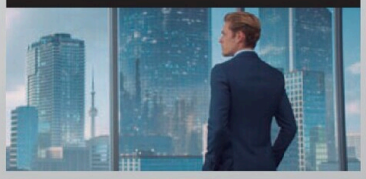
Next Generation *VRV* System

High Efficiency

New ***VRV*** 6 X series has achieved significant energy savings with improved technology. In a design that is more compact and lightweight, 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.

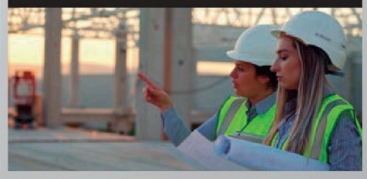
VRV 6 X series provides higher benefits to various users related to air conditioning systems, for example, building owners, consultants, installers and building managers.

For **OWNERS**



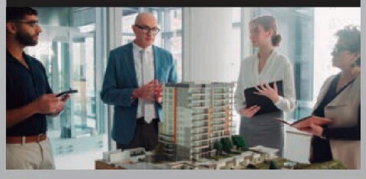
Lifecycle Cost & Comfort

For **INSTALLERS**



Easy Installation

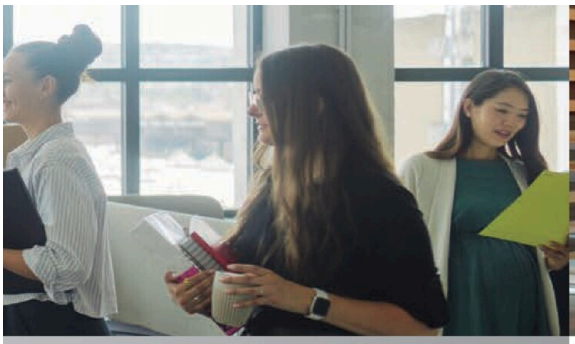
For **CONSULTANTS**

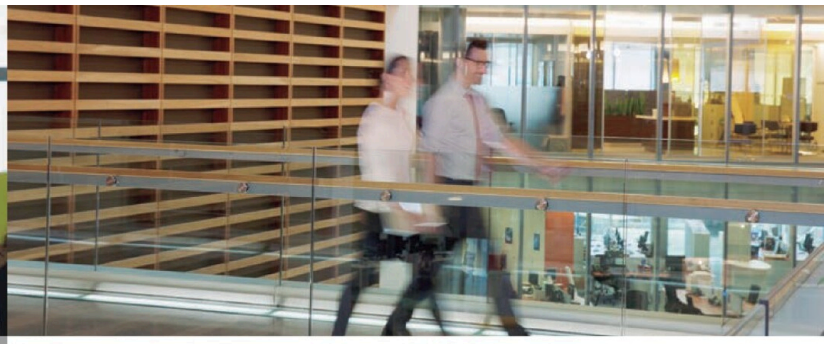


Flexible Design & Engineering Support

For **BUILDING MANAGERS**

Reliability & Comfort





Contents

VRV User Benefits

For OWNERS

Lifecycle Cost & Comfort

New Casing

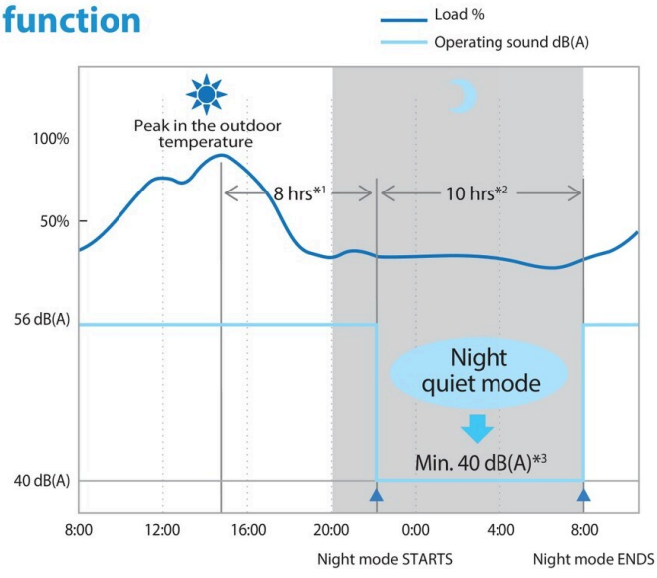
• Offers advanced design and new structure with excellent workability.

Energy Saving Technology

• Further improvement of energy saving by high efficiency compressor, new heat exchanger and VRT Smart II control.

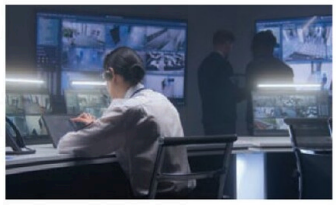
Nighttime quiet operation function

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.



VRV User Benefits

For BUILDING MANAGERS



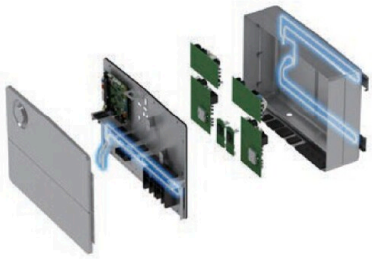
Reliability & Comfort

IP55 Sealed Component Box NEW

- Sealed electrical component box (IP55) blocks the ingress of debris or water, that leads to unexpected failures.

Refrigerant Piping Cooling System

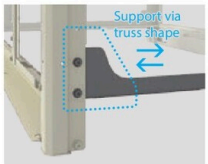
- Refrigerant cooling circuit enables operation in high outdoor temperatures.



Reinforced design NEW

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

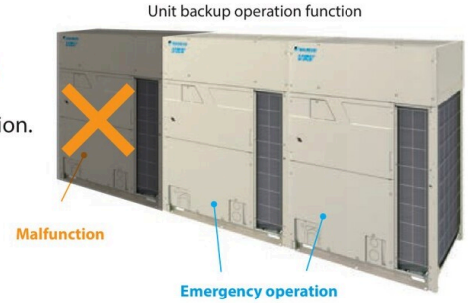
1 Minimises horizontal wobbling



2 Minimises vibration from various angles

Double backup operation functions

Unit backup & Compressor backup ensure continuous operation.



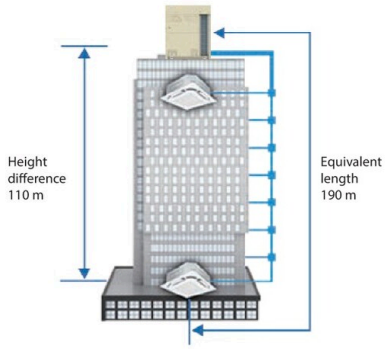
VRV User Benefits

For CONSULTANTS

Flexible Design & Engineering Support

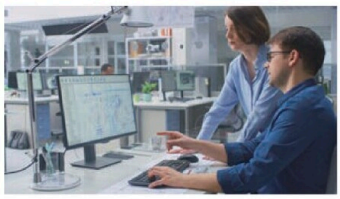
Long Refrigerant Piping NEW

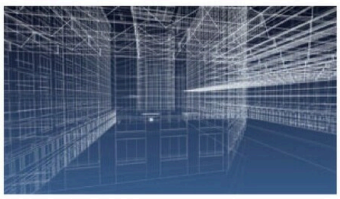
- Equivalent length max. 190 m
- Height difference extension max. 110 m (20 m longer than conventional models)
- By applying for both at the same time, supports a wide range of applications.



Engineering Support

- Strongly supports for facility design, offering model selection assistance, energy saving and IEQ simulations, drawing support, etc.





Model Selection

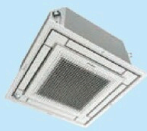
BIM Support and Tools

Analysis and Simulation

Varied Lineup of Indoor Units

- With various types of indoor units available, comfortable airflow is ensured in every space.

Round Flow Cassette



Compact Multi Flow Cassette

Single Flow Cassette

Middle Static Pressure Duct

Slim Duct

Ceiling Suspended

Wall Mounted

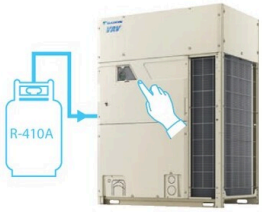
VRV User Benefits

For INSTALLERS

Easy Installation

Automatic refrigerant charging

- Workflow has been redesigned to reduce number of operations on-site, shortening the average time needed for refrigerant charge and test run.

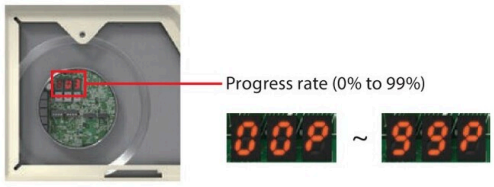


Electrical Component Service Window NEW

- Easy access to the main PCB without removing the front panel.
- Quick field setting and trial operation.

Process visualization (Test run only)

- A progress rate (0% to 99%) is indicated on the PC board for Easy arrangement for on-site work.



Smart Service Tool: Ease in Checks and Inspections

A pocket-sized service tool to enable fault diagnosis conveniently during commissioning and maintenance for VRV products.

Mobile App Available

Download on the App Store

GET IT ON Google play

Bluetooth Service Checker

Bluetooth®
Up to 10m range (Class 2)

- Light weight
- Smart phone and tablet friendly
- Accurate Fault Finding

New Casing

Offers advanced design and new structure with excellent workability.

RXUQ6,8BYMG

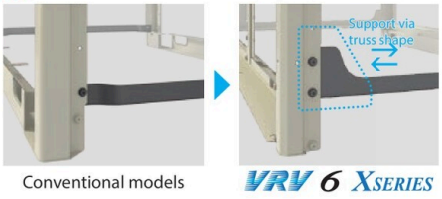
RXUQ10,12,14,16,18,20BYMG

RXUQ-BYMG : 3-phase, 4-wire system, 380-415 V/380 V, 50/60 Hz

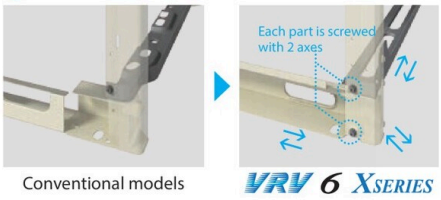
Reinforced design NEW

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

1 Minimises horizontal wobbling



2 Minimises vibration from various angles



Strongly resists earthquakes

Withstands 7 seismic intensity earthquakes※1

Evaluation: National Institute of Technology and Evaluation (NITE), an independent Japanese administrative institution

A vibration test conducted on a Japanese model*1 used vibration equivalent to a 7 seismic intensity earthquake to confirm no damage or effect to the refrigerant or electrical systems while showing the unit remained in good operating condition.

Strongly resists high winds

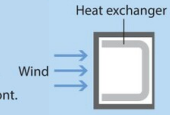
Withstands 60 m/s winds※2

An experiment conducted on a Japanese model used a force equivalent to a wind speed of 60 m/s to confirm that there was no risk of the unit falling over or suffering damage to any of its parts.

Cross-sectional images of the outdoor unit from above

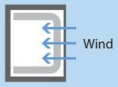
Wind blowing from the front

The unit remains upright even when hit with a force equivalent to a wind speed of 60 m/s from the front.



Wind blowing from the rear

The front panel remains attached even when hit with a force equivalent to a wind speed of 60 m/s from the rear.



*1 Vibration tests were conducted on the Japanese model, recreating the seismic waveforms of the area (Kurihara City, Miyagi Prefecture) where the maximum seismic intensity of the Great East Japan Earthquake was recorded.
• The magnitude of an earthquake depends not only on its intensity but also on its gal (acceleration) and natural period. Please inspect the outdoor unit after an earthquake occurs.
*2 The outdoor unit should be installed on a concrete surface on the ground or on a mounting surface with equal or greater strength.

Outdoor unit combination

Standard Type

System capacity		Tick rating	Number of units	Single module (HP)							
HP	kW			6	8	10	12	14	16	18	20
6	16.0	5	Single	●							
8	22.4	5			●						
10	28.0	5				●					
12	33.5	5					●				
14	40.0	4						●			
16	45.0	4							●		
18	50.0	3								●	
20	56.0	3									●
22	61.5	5	Double			●	●				
24	67.0	5					●●				
26	73.5	4 & above					●	●			
28	78.5	4 & above					●		●		
30	83.5	3 & above					●			●	
32	89.5	3 & above					●				●
34	96.0	3 & above						●			●
36	101	3 & above							●		●
38	106	3								●	●
40	112	3									●●
42	117	3 & above	Triple				●●			●	
44	123	3 & above					●●				●
46	129	3 & above					●	●			●
48	134	3 & above					●		●		●
50	139	3 & above					●			●	●
52	145	3 & above					●				●●
54	152	3 & above						●			●●
56	157	3 & above							●		●●
58	162	3								●	●●
60	168	3									●●●

Free Combination Type

System capacity		Tick rating	Number of units	Single module (HP)					
HP	kW			6	8	10	12	14	16
14	38.4	5	Double	●	●				
16	44.8	5			●●				
18	50.4	5			●	●			
20	56.0	5				●●			
26	72.0	5	Triple	●		●●			
28	78.4	5			●	●●			
30	84.0	5				●●●			
32	89.5	5				●●	●		
34	95.0	5				●	●●		
36	100.0	5					●●●		
38	107.0	4 & above					●●	●	
40	113.0	4 & above					●	●●	
42	120.0	4						●●●	
44	125.0	4						●●	●
46	130.0	4						●	●●
48	135.0	4							●●●

Notes:
1. For Free Combination, the actual piping length must not exceed 135 m and the total piping length must not exceed 500 m.
2. A maximum of 3 units can be connected in a Free Combination.

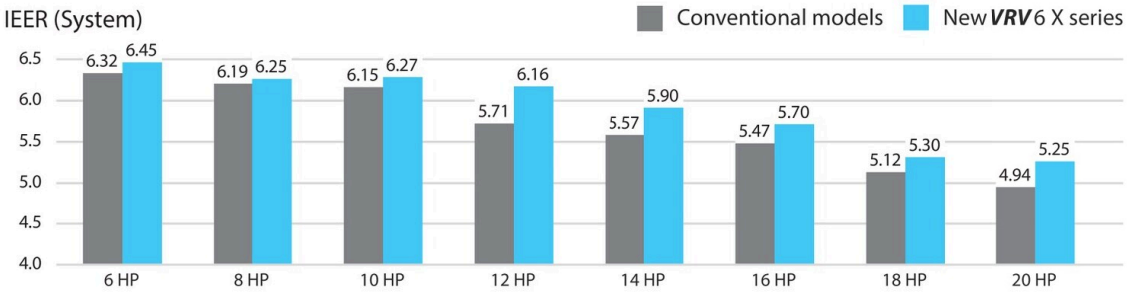
Energy Savings

Improves Integrated Energy Efficiency Ratio (IEER)

New ***VRV*** 6 X series improve energy efficiency during actual operation (low load), equipped with a new compressor, new heat exchanger and VRT Smart II control.

Outdoor unit	6 HP	8 HP	10 HP	12 HP	14 HP	16 HP	18 HP	20 HP
IEER (Outdoor)	6.45	6.25	6.27	6.16	5.90	5.70	5.30	5.25

Achieve about 4.1% integrated energy efficiency ratio (IEER) improvement on average for Singapore



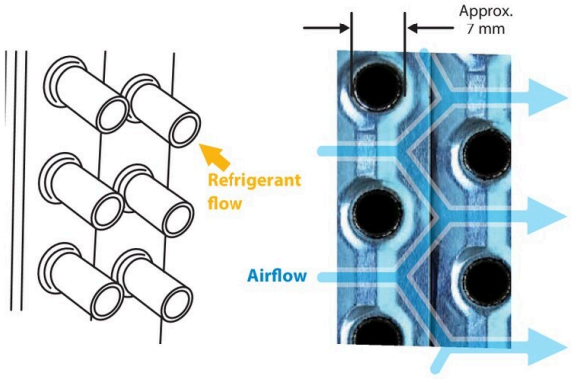
Silver HeatX

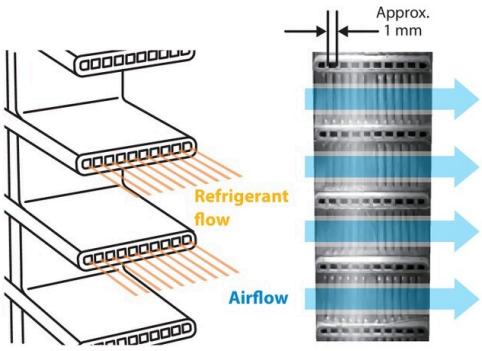
Hardware technology NEW

Silver HeatX is a Parallel Flow Condenser (PFC) heat exchanger designed for the new ***VRV*** 6 X series. It enhances energy efficiency, sustainability, and durability, ensuring long-term performance and cost-effectiveness, making it ideal for modern HVAC systems.

High Efficiency – Higher Heat Exchanging Performance

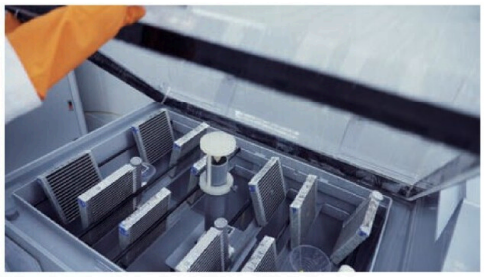
Silver HeatX has a distinctive structure with flat-thin channels creating a wider contact area for a larger heat transfer surface and allow a high velocity of the refrigerant flow to achieve maximum heat exchanging process while improving overall system efficiency.





Superior Corrosion Resistance for Long-Term Reliability

Silver HeatX is engineered to withstand extreme environmental conditions. Certified under ISO 12944-6:2018 and ISO 9227:2017, it has passed a rigorous 1,440-hour salt spray test (C5 level), demonstrating its ability to resist corrosion in the most demanding environments—such as coastal areas with salty air, industrial zones with high pollution, or regions with high humidity.
By reducing the risk of rust and surface damage over time, Silver HeatX helps extend the life of your equipment, lowers maintenance costs, and ensures stable performance in any climate. Its compliance with UL safety standards also adds an extra layer of reliability and peace of mind.

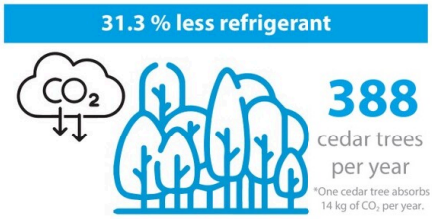


* Corrosion test at Underwriters Laboratory (UL), Thailand

Helps the Environment – Equivalent to Planting 388 Cedar Trees

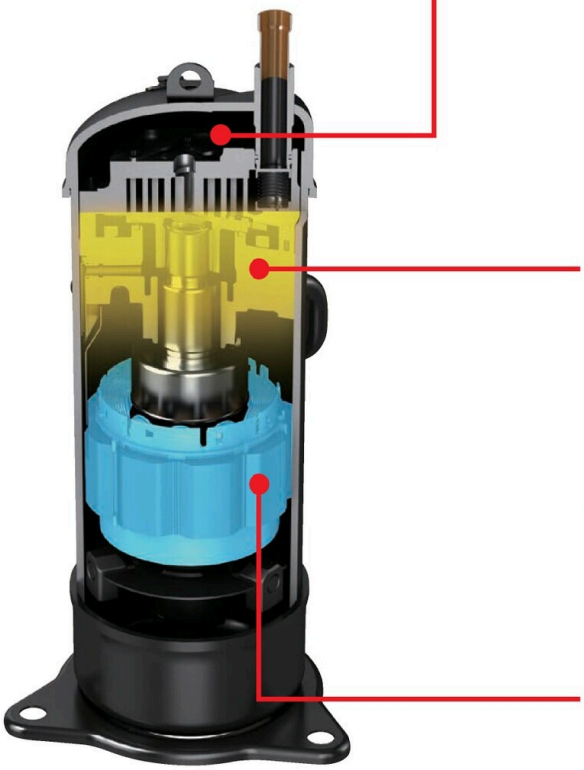
By reducing refrigerant usage by up to 2.6 kg[*1], Silver HeatX cuts greenhouse gas emissions equivalent to the annual CO_2 absorption of approximately 388 cedar trees[*2], supporting global environmental conservation efforts.

Notes: *1. Calculated based on the difference in refrigerant volume between RXUQ10AYMG and RXUQ10BYMG.
*2. CO_2 reduction is calculated based on the GWP of R-410A (2,088) and an estimated annual CO_2 absorption of 14 kg per cedar tree. Actual values may vary depending on tree species, age, environmental conditions, and refrigerant type.



Hardware technology High Efficiency Compressor

New technologies increase seasonal efficiency and enable a compact design.



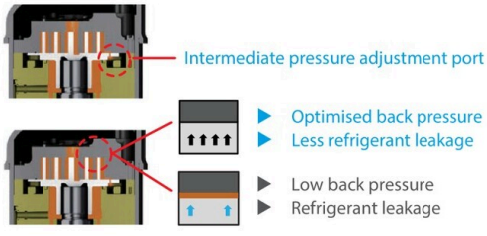
Improvement of the discharge port

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.

The compression loss of discharge port 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.



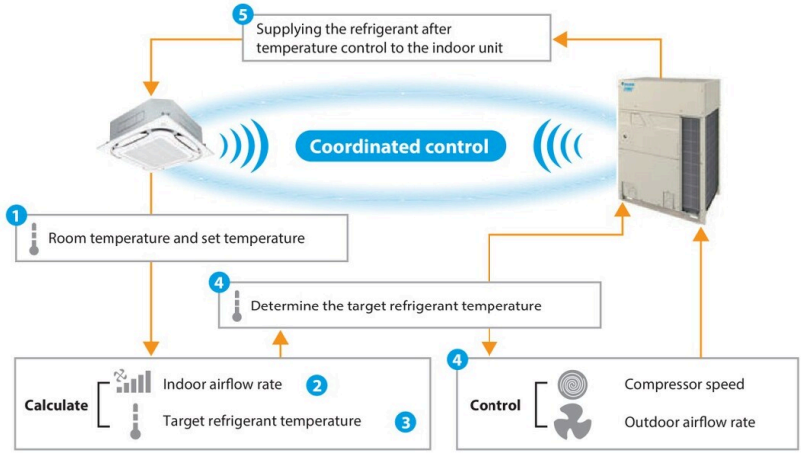
Adoption of a high-performance concentrated motor

By adopting it, 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.

Energy Savings

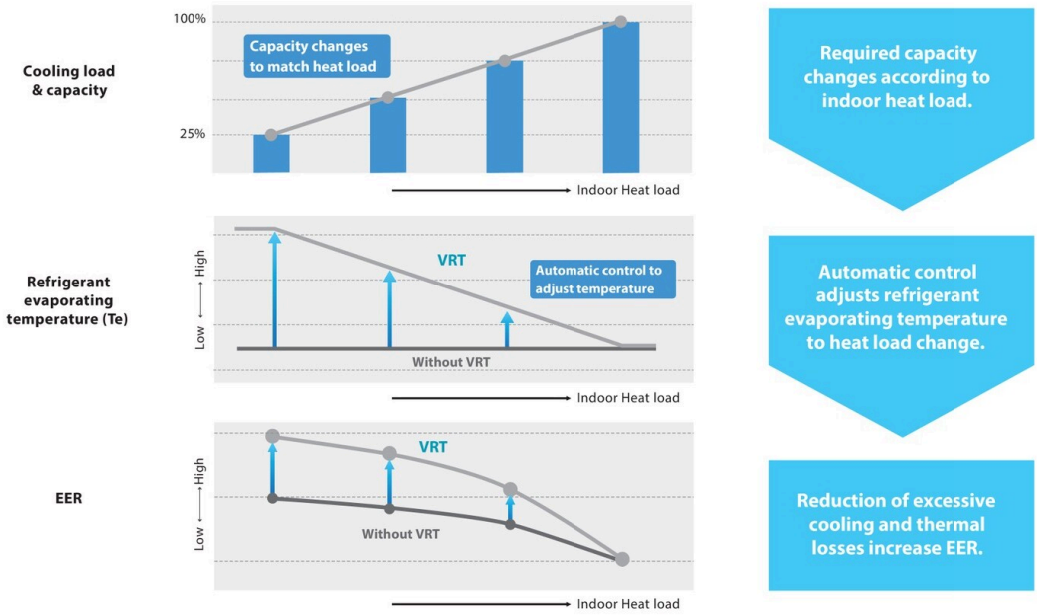
Software technology VRT Smart II control

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 Te 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.

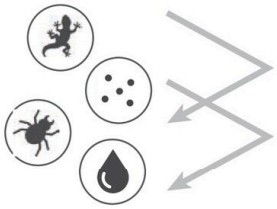
Greatly improved efficiency by adjusting the capacity by the refrigerant temperature

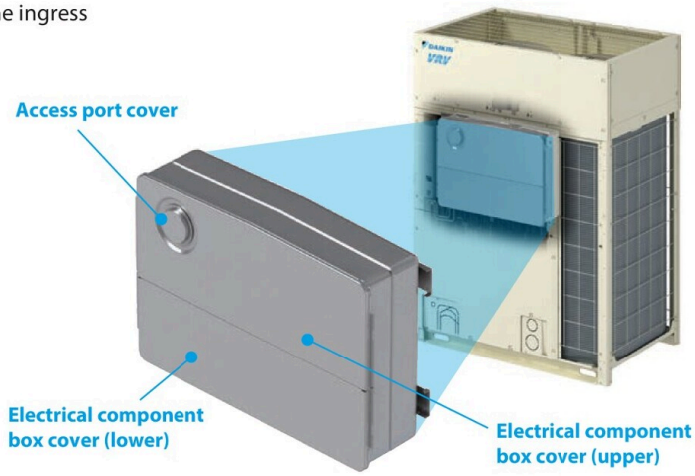


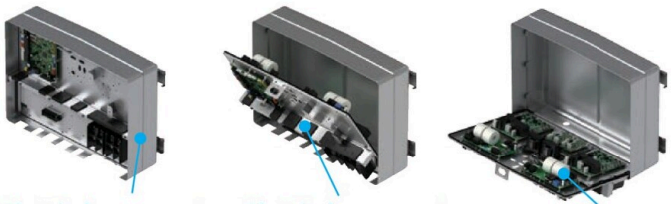
Reliability

IP55-compliant sealed component box NEW

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







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

What is IP55?

IP55 is the degree of dust and water protection for the electrical component box equipped within the outdoor unit.

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.

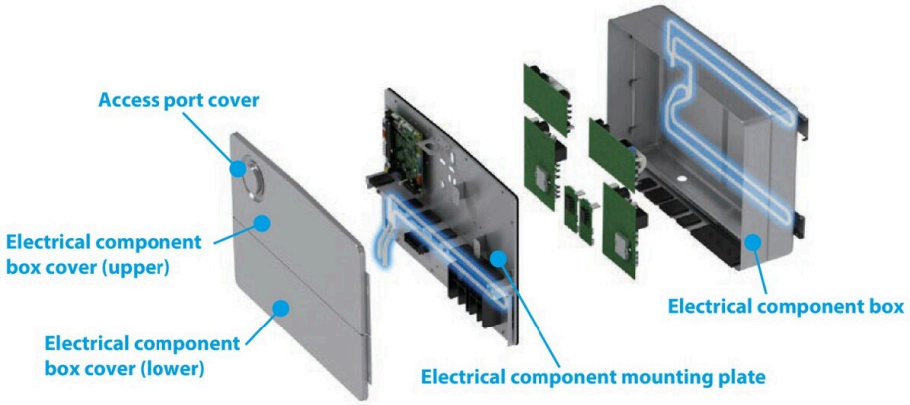
Ingress Protection

*IP55 is the protection degree of the electrical component box installed inside the outdoor unit. The protection grade of the outdoor unit is IP14 as well as the conventional model.

Reliability

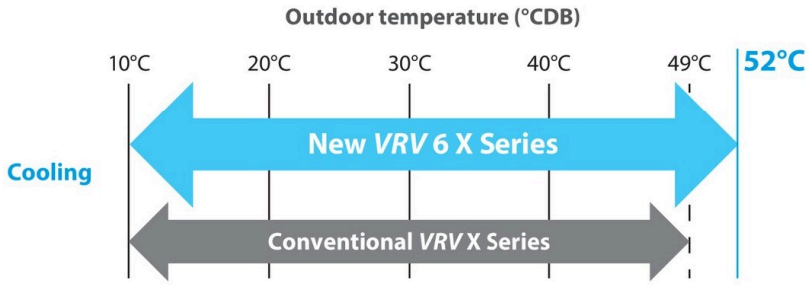
Enables operation in high outdoor temperature

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.



Expanded operation temperature range

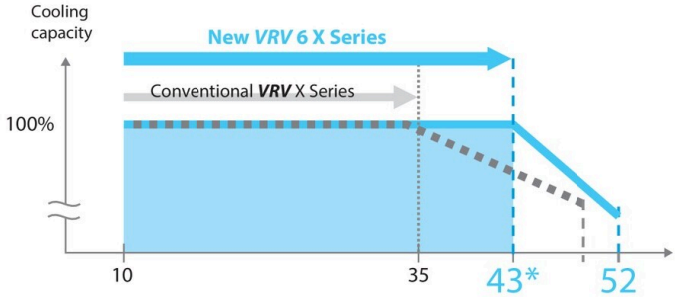
The outdoor operation temperature range is now extended from 49 to 52°C. This enables reliable operation even under high temperature conditions and a wider choice of installation locations.



Note: If the height difference between the outdoor units and the indoor units exceeds 90 m, the operating temperature range is up to 49°C (Outdoor units above indoor units only).

Keep rated cooling capacity in high outdoor temperature up to 43°C*

Rated cooling capacity can be maintained even when outdoor temperature is up to 43°C*.
*Rated cooling capacity for 16-20 HP is up to 42°C.



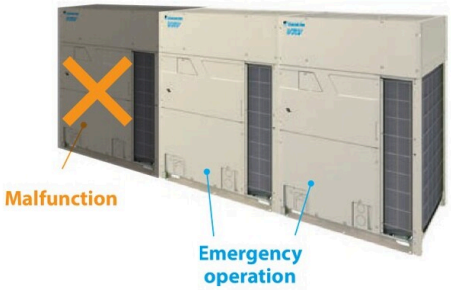
The new heat exchanger ensures sufficient cooling capacity even in high ambient temperatures.

Comfort

Double backup operation functions

Unit backup & Compressor backup ensure continuous operation.

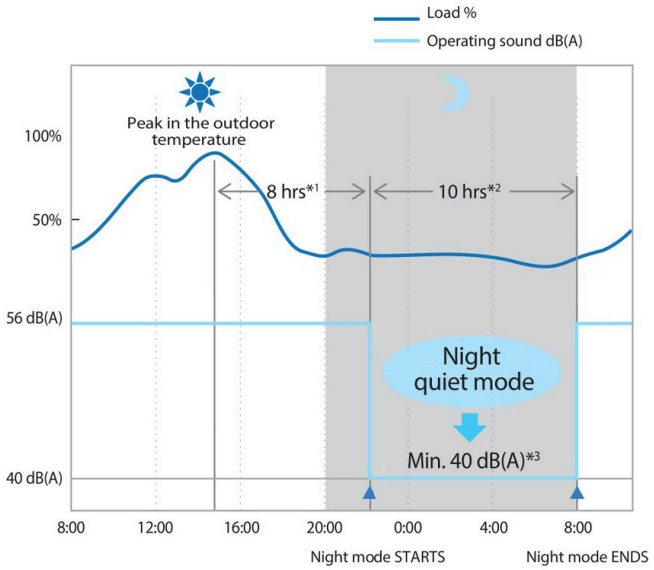
Unit backup operation function



Compressor backup operation function

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.



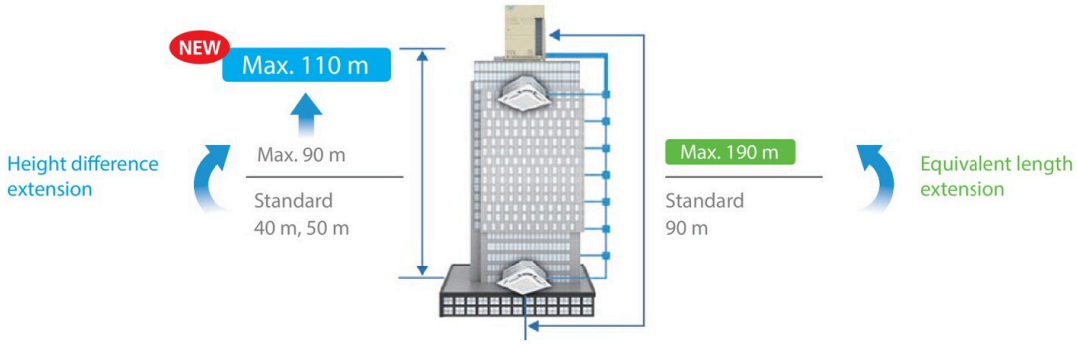
*1. Initial setting is 8 hours. Can be selected from 6, 8 and 10 hours.
*2. Initial setting is 9 hours. Can be selected from 8, 9 and 10 hours.
*3. 6-12 HP outdoor unit can maintain ≥ 30% of the rated capacity with the sound < 40 dB(A).
14-20 HP outdoor unit can maintain ≥ 30% of the rated capacity with the sound < 44 dB(A).

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.

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 operating temperature range is up to 49˚C (Outdoor units above indoor units only).
The minimum connection capacity index of the indoor unit shall be 62.5 (7.1 kW) or more (Outdoor units above indoor units only).

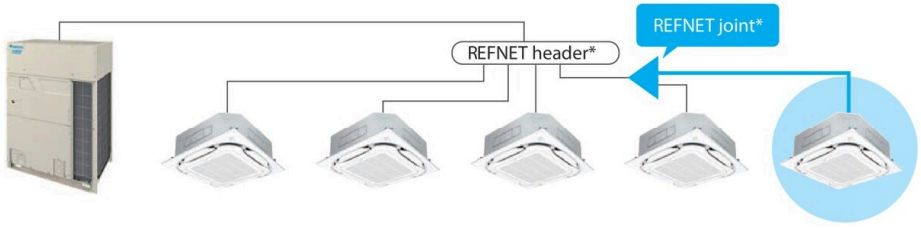
- **Equivalent length** Max. 190 m

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.



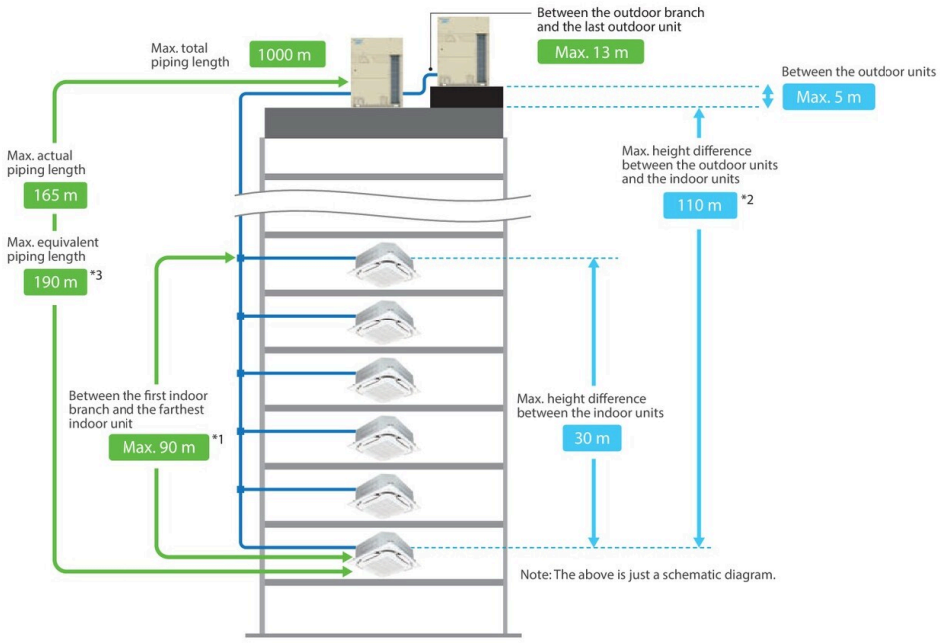
REFNET header	Indoor unit total capacity at REFNET joint
KHRP26M22H,KHRP26M33H,KHRP26M72H	< 50
KHRP26M73H + KHRP26M73HP	≤ 140

*Refnet header couple with refnet joint connection only applicable for non Green Mark building project only.

Long piping length

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

Installation for *VRV* indoor units only



Maximum allowable piping length	Actual piping length (Equivalent)	165 m (190 m)*3
	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)
Maximum allowable height difference	Between the outdoor units (Multiple use)	5 m
	Between the indoor units	30 m
	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. 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.

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: When using only the following models: FXAQ, FXDQ, FXSQ, FXMQ-PA	Indoor units: Including at least one of the following models: FXF(T)(R)(S)Q25A*1, FXVQ	Indoor units: Including at least one of the following models: FXFSQ25	Other *VRV* indoor unit models
Single outdoor units	200%	130%	105%	200%
Double outdoor units				160%
Triple outdoor units				130%

*1 FXF(T)(R)(S)Q-A models 32 class and above belong to "Other *VRV* indoor unit models" category.
Note: If the operational capacity of indoor units is more than 130%, low airflow operation is enforced in all the indoor units.
*Refer to the Engineering Data Book for max. connection ratio when Outdoor-Air Processing Unit is connected.
*Refer to page 21 for outdoor unit combination details.

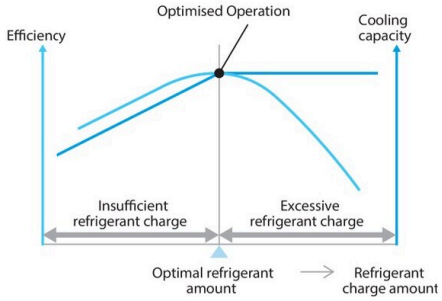
Easy Installation

Automatic refrigerant charge function

Contribute to optimised operation efficiency, higher quality and easier installation.

Optimised operation efficiency

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



Reduced time for automatic charging operation NEW

By designing optimal control, the average time has been shortened by 22% (14 min), and the number of on-site operations has been reduced.

Operation time
22% less

Conventional models

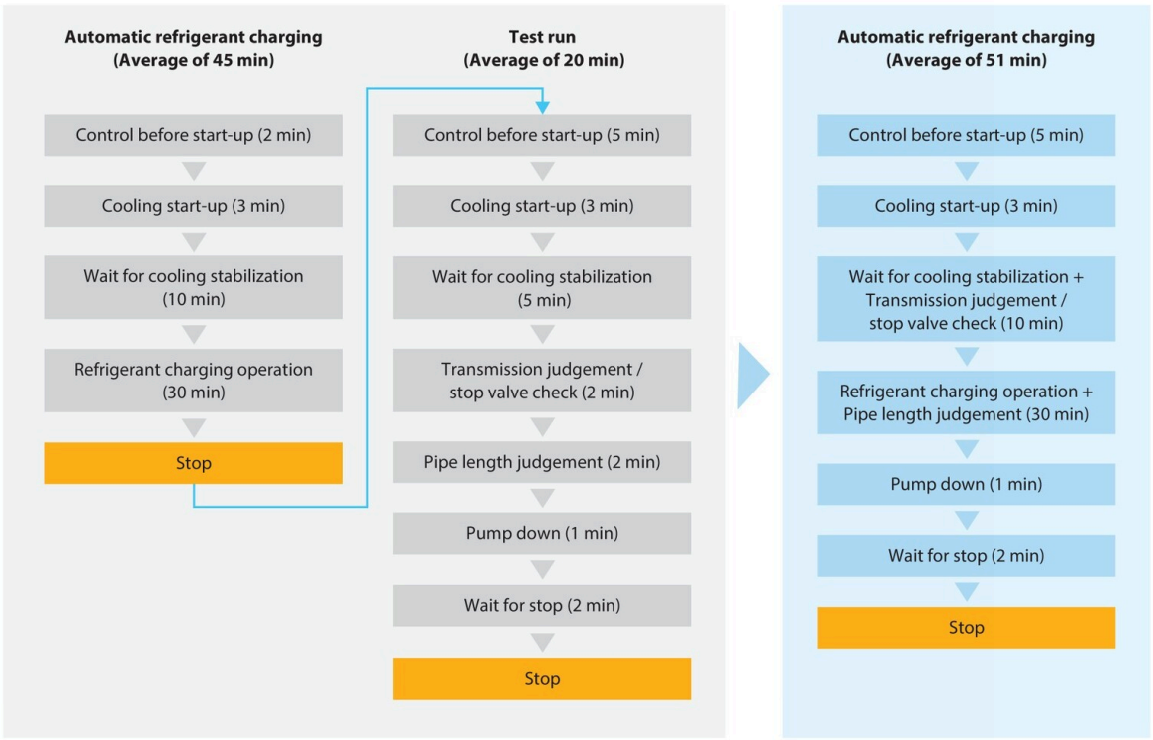
Test run is performed after automatic refrigerant charging is finished

Total of 11 steps, PCB setting: 5 times
Total time: Average of 65 min

New *VRV* 6 X models

Automatic refrigerant charging and test run are performed at the same time

Reduction to 6 steps, PCB setting: 3 times
Total time: Average of 51 min



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 NEW

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.

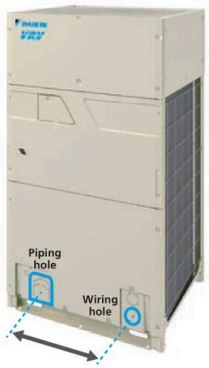
Improved refrigerant piping workability NEW

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

Conventional models

Working in closed place is difficult

VRV 6 XSERIES



Work becomes easier with sufficient space

Outdoor Unit Lineup

Capacity range from 6 to 60 HP

Standard Type

	HP	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
VRV 6 X SERIES	Single outdoor units	●	●	●	●	●	●	●	●																				
	Double outdoor units									●	●	●	●	●	●	●	●	●	●										
	Triple outdoor units																			●	●	●	●	●	●	●	●	●	●

Free Combination Type

	HP	14	16	18	20	26	28	30	32	34	36	38	40	42	44	46	48
VRV 6X SERIES	Double outdoor units	●	●	●	●												
	Triple outdoor units					●	●	●	●	●	●	●	●	●	●	●	●

Outdoor unit combinations

Standard Type

HP	kW	Capacity index	Model name	Combination	Outdoor unit multi connection piping kit*1	Total capacity index of connectable indoor units*2	Maximum number of connectable indoor units*2
6	16.0	150	RXUQ6BMYM	RXUQ6B	–	75 to 195 (300)	9 (15)
8	22.4	200	RXUQ8BMYM	RXUQ8B	–	100 to 260 (400)	13 (20)
10	28.0	250	RXUQ10BMYM	RXUQ10B	–	125 to 325 (500)	16 (25)
12	33.5	300	RXUQ12BMYM	RXUQ12B	–	150 to 390 (600)	19 (30)
14	40.0	350	RXUQ14BMYM	RXUQ14B	–	175 to 455 (700)	22 (35)
16	45.0	400	RXUQ16BMYM	RXUQ16B	–	200 to 520 (800)	26 (40)
18	50.0	450	RXUQ18BMYM	RXUQ18B	–	225 to 585 (900)	29 (45)
20	56.0	500	RXUQ20BMYM	RXUQ20B	–	250 to 650 (1,000)	32 (50)
22	61.5	550	RXUQ22BMYM	RXUQ10B + RXUQ12B	BHFP22R135	275 to 715 (880)	35 (44)
24	67.0	600	RXUQ24BMYM	RXUQ12B × 2		300 to 780 (960)	39 (48)
26	73.5	650	RXUQ26BMYM	RXUQ12B + RXUQ14B		325 to 845 (1,040)	42 (52)
28	78.5	700	RXUQ28BMYM	RXUQ12B + RXUQ16B		350 to 910 (1,120)	45 (56)
30	83.5	750	RXUQ30BMYM	RXUQ12B + RXUQ18B		375 to 975 (1,200)	48 (60)
32	89.5	800	RXUQ32BMYM	RXUQ12B + RXUQ20B		400 to 1,040 (1,280)	52 (64)
34	96.0	850	RXUQ34BMYM	RXUQ14B + RXUQ20B		425 to 1,105 (1,360)	55 (64)
36	101	900	RXUQ36BMYM	RXUQ16B + RXUQ20B		450 to 1,170 (1,440)	58 (64)
38	106	950	RXUQ38BMYM	RXUQ18B + RXUQ20B		475 to 1,235 (1,520)	61 (64)
40	112	1,000	RXUQ40BMYM	RXUQ20B × 2		500 to 1,300 (1,600)	64 (64)
42	117	1,050	RXUQ42BMYM	RXUQ12B × 2 + RXUQ18B	BHFP22R168	525 to 1,365 (1,365)	
44	123	1,100	RXUQ44BMYM	RXUQ12B × 2 + RXUQ20B		550 to 1,430 (1,430)	
46	129	1,150	RXUQ46BMYM	RXUQ12B + RXUQ14B + RXUQ20B		575 to 1,495 (1,495)	
48	134	1,200	RXUQ48BMYM	RXUQ12B + RXUQ16B + RXUQ20B		600 to 1,560 (1,560)	
50	139	1,250	RXUQ50BMYM	RXUQ12B + RXUQ18B + RXUQ20B		625 to 1,625 (1,625)	
52	145	1,300	RXUQ52BMYM	RXUQ12B + RXUQ20B × 2		650 to 1,690 (1,690)	
54	152	1,350	RXUQ54BMYM	RXUQ14B + RXUQ20B × 2		675 to 1,755 (1,755)	
56	157	1,400	RXUQ56BMYM	RXUQ16B + RXUQ20B × 2		700 to 1,820 (1,820)	
58	162	1,450	RXUQ58BMYM	RXUQ18B + RXUQ20B × 2		725 to 1,885 (1,885)	
60	168	1,500	RXUQ60BMYM	RXUQ20B × 3		750 to 1,950 (1,950)	

Free Combination Type

HP	kW	Capacity index	Model name	Combination	Outdoor unit multi connection piping kit*1	Total capacity index of connectable indoor units*2	Maximum number of connectable indoor units*2
14	38.4	350	RXUQ14BMYM-SG	RXUQ6B + RXUQ8B	BHFP22P100	175 to 455 (560)	22 (28)
16	44.8	400	RXUQ16BMYM-SG	RXUQ8B + RXUQ8B		200 to 520 (640)	26 (32)
18	50.4	450	RXUQ18BMYM-SG	RXUQ8B + RXUQ10B		225 to 585 (720)	29 (36)
20	56.0	500	RXUQ20BMYM-SG	RXUQ10B + RXUQ10B		250 to 650 (800)	32 (40)
26	72.0	650	RXUQ26BMYM-SG	RXUQ6B + RXUQ10B x 2	BHFP22P151	325 to 845 (845)	42 (42)
28	78.4	700	RXUQ28BMYM-SG	RXUQ8B + RXUQ10B x 2		350 to 910 (910)	45 (45)
30	84.0	750	RXUQ30BMYM-SG	RXUQ10B x 3		375 to 975 (975)	48 (48)
32	89.5	800	RXUQ32BMYM-SG	RXUQ10B x 2 + RXUQ12B		400 to 1,040 (1,040)	52 (52)
34	95.0	850	RXUQ34BMYM-SG	RXUQ10B + RXUQ12B x 2		425 to 1,105 (1,105)	55 (55)
36	100.0	900	RXUQ36BMYM-SG	RXUQ12B x 3		450 to 1,170 (1,170)	58 (58)
38	107.0	950	RXUQ38BMYM-SG	RXUQ12B x 2 + RXUQ14B		475 to 1,235 (1,235)	61 (64)
40	113.0	1,000	RXUQ40BMYM-SG	RXUQ12B + RXUQ14B x 2		500 to 1,300 (1,300)	64 (64)
42	120.0	1,050	RXUQ42BMYM-SG	RXUQ14B x 3		525 to 1,365 (1,365)	
44	125.0	1,100	RXUQ44BMYM-SG	RXUQ14B x 2 + RXUQ16B		550 to 1,430 (1,430)	
46	130.0	1,150	RXUQ46BMYM-SG	RXUQ14B + RXUQ16B x 2		575 to 1,495 (1,495)	
48	135.0	1,200	RXUQ48BMYM-SG	RXUQ16B x 3		600 to 1,560 (1,560)	

Notes: *1. For multiple connection, the outdoor unit multi connection piping kit (separately sold) is required.
*2. Values inside brackets are based on connection of indoor units rated at maximum capacity, 200% for single outdoor units, 160% for double outdoor units, and 130% for triple outdoor units.
Refer to page 16 for notes on connection capacity of indoor units

Indoor Unit Lineup

Enhanced range of choices

VRV indoor units

● New lineup

VRT smart Indoor units subject to VRT smart control

VRT Indoor units subject to VRT control

Category	Type	Model Name	Capacity Range	20	25	32	40	50	63	71	80	100	125	140	200	250	400	500
				0.8 HP	1 HP	1.25 HP	1.6 HP	2 HP	2.5 HP	3 HP	3.2 HP	4 HP	5 HP	6 HP	8 HP	10 HP	16 HP	20 HP
			Capacity Index	20	25	31.25	40	50	62.5	71	80	100	125	140	200	250	400	500
Ceiling Mounted Cassette	Round Flow Cassette with Sensing & Streamer	FXFTQ-A VRT smart			●	●	●	●	●		●	●	●	●				
	Round Flow Cassette with Streamer	FXFRQ-A VRT smart			●	●	●	●	●		●	●	●	●				
	Round Flow Cassette with Sensing	FXFSQ-A VRT smart			●	●	●	●	●		●	●	●	●				
	Round Flow Cassette	FXFQ-A VRT smart			●	●	●	●	●		●	●	●	●				
	Compact Multi Flow Cassette	FXZQ-B VRT smart		●	●	●	●	●										
	Double Flow Cassette	FXCQ-B VRT smart		●	●	●	●	●	●		●		●					
	Single Flow Cassette	FXEQ-A VRT		●	●	●	●	●	●									
Ceiling Concealed Duct	Slim Duct (Standard)	FXDQ-PDVE (with drain pump) VRT smart	 (700 mm width type)	●	●	●												
		FXDQ-NDVE (with drain pump) VRT smart	 (900/1,100 mm width type)				●	●	●									
	Slim Duct (Compact)	FXDQ-SP VRT		●	●	●	●	●	●									
	Middle Static Pressure Duct	FXSQ-PA VRT smart		●	●	●	●	●	●		●	●	●	●				
	Middle-High Static Pressure Duct	FXMQ-PA VRT smart		●	●	●	●	●	●		●	●	●	●				
	High Static Pressure Duct	FXMQ-M VRT													●	●		
		FXMQ-P VRT													●	●		
Ceiling Suspended		FXHQ-MA VRT				●			●			●						
		FXHQ-B VRT											●	●				
Wall Mounted		New **FXAQ-B** VRT smart		●	●	●	●	●	●	●	●	●						
Floor Standing	Floor Standing	FXLQ-MA VRT		●	●	●	●	●	●									
	Floor Standing Duct	FXVQ-N VRT											●		●	●	●	●
		FXVQ-NY16 (high static pressure type) VRT																●
Outdoor-Air Processing Unit		FXMQ-MF VRT											●		●	●		
		FXMQ-BF									●			●	●	●		
Heat Reclaim Ventilator		VAM-H		Airflow rate 150-2000 m³/h														
Air Handling Unit		AHUR		6–120 HP														

Outdoor Units

VRV 6X Series (Standard Type)

Specifications

Model			RXUQ6BYMG	RXUQ8BYMG	RXUQ10BYMG	RXUQ12BYMG	RXUQ14BYMG	RXUQ16BYMG	RXUQ18BYMG	RXUQ20BYMG
Combination units			—	—	—	—	—	—	—	—
			—	—	—	—	—	—	—	—
Power supply			3-phase, 4-wire system, 380-415 V/380 V, 50/60 Hz							
Cooling capacity		Btu/h	54,600	76,400	95,500	114,000	136,000	154,000	171,000	191,000
		kW	16.0	22.4	28.0	33.5	40.0	45.0	50.0	56.0
Power consumption		kW	2.98	4.19	5.48	7.31	8.40	9.68	11.4	12.8
Capacity control		%	19 – 100		13 – 100		10 – 100	9 – 100		7 – 100
IEER (System)			6.45	6.25	6.27	6.16	5.90	5.70	5.30	5.25
Casing colour			Ivory white (5Y7.5/1)							
Compressor	Type		Hermetically sealed scroll type							
	Motor output	kW	2.4	3.3	3.7	4.5	2.9 + 3.2	3.3 + 3.6	3.8 + 4.1	4.3 + 4.6
Airflow rate		m³/min	126	153	176	195	195	217	243	294
Dimensions (H x W x D)		mm	1,660 x 930 x 765		1,660 x 1,240 x 765					
Machine weight		kg	216		236		310		311	
Sound level		dB(A)	54	56		58	59		62	65
Operation range		°CDB	10 to 52							
Refrigerant	Type		R-410A							
	Charge	kg	6.2	6.3	5.7	5.9	9.2	9.4	9.2	9.4
Piping connections	Liquid	mm	φ9.5 (Brazing)			φ12.7 (Brazing)			φ15.9 (Brazing)	
	Gas	mm	φ19.1 (Brazing)		φ22.2 (Brazing)	φ28.6 (Brazing)				

Model			RXUQ34BMYM	RXUQ36BMYM	RXUQ38BMYM	RXUQ40BMYM	RXUQ42BMYM	RXUQ44BMYM	RXUQ46BMYM
Combination units			RXUQ14BYMG	RXUQ16BYMG	RXUQ18BYMG	RXUQ20BYMG	RXUQ12BYMG	RXUQ12BYMG	RXUQ12BYMG
			RXUQ20BYMG	RXUQ20BYMG	RXUQ20BYMG	RXUQ20BYMG	RXUQ12BYMG	RXUQ12BYMG	RXUQ14BYMG
			—	—	—	—	RXUQ18BYMG	RXUQ20BYMG	RXUQ20BYMG
Power supply			3-phase, 4-wire system, 380-415 V/380 V, 50/60 Hz						
Cooling capacity		Btu/h	328,000	345,000	362,000	382,000	399,000	420,000	440,000
		kW	96.0	101	106	112	117	123	129
Power consumption		kW	21.2	22.5	24.2	25.6	26.1	27.5	28.6
Capacity control		%	4 – 100					3 – 100	
IEER (System)			—	—	—	—	—	—	—
Casing colour			Ivory white (5Y7.5/1)						
Compressor	Type		Hermetically sealed scroll type						
	Motor output	kW	2.9 + 3.2 + 4.3 + 4.6	3.3 + 3.6 + 4.3 + 4.6	3.8 + 4.1 +4.3 + 4.6	4.3 +4.6 + 4.3 + 4.6	4.5 + 4.5 + 3.8 + 4.1	4.5 +4.5 + 4.3 +4.6	4.5 + 2.9 + 3.2 + 4.3 + 4.6
Airflow rate		m³/min	195 + 294	217 + 294	243 + 294	294 + 294	195 + 195 + 243	195 + 195 + 294	195 + 195 + 294
Dimensions (H x W x D)		mm	(1,660 x 1,240 x 765) + (1,660 x 1,240 x 765)				(1,660 x 1,240 x 765) + (1,660 x 1,240 x 765) + (1,660 x 1,240 x 765)		
Machine weight		kg	310 + 311		311 + 311		236 + 236 + 311		236 + 310 + 311
Sound level		dB(A)	66		67	69	65	67	
Operation range		°CDB	10 to 52						
Refrigerant	Type		R-410A						
	Charge	kg	9.2 + 9.4	9.4 + 9.4	9.2 + 9.4	9.4 + 9.4	5.9 + 5.9 + 9.2	5.9 + 5.9 + 9.4	5.9 + 9.2 + 9.4
Piping connections	Liquid	mm	φ19.1 (Brazing)						
	Gas	mm	φ34.9 (Brazing)	φ41.3 (Brazing)					

Notes: Specifications are based on the following conditions;
- Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Height difference: 0 m.
- Sound level: Anechoic chamber conversion value, measured at a point 1 m in front of the unit at a height of 1.5 m.
  During actual operation, these values are normally somewhat higher as a result of ambient conditions and oil recovery mode.
  When there is concern for noise to the surrounding area such as residences, we recommend investigating the installation location and taking soundproofing measures.

	RXUQ22BMYM	RXUQ24BMYM	RXUQ26BMYM	RXUQ28BMYM	RXUQ30BMYM	RXUQ32BMYM
	RXUQ10BYMG	RXUQ12BYMG	RXUQ12BYMG	RXUQ12BYMG	RXUQ12BYMG	RXUQ12BYMG
	RXUQ12BYMG	RXUQ12BYMG	RXUQ14BYMG	RXUQ16BYMG	RXUQ18BYMG	RXUQ20BYMG
	3-phase, 4-wire system, 380-415 V/380 V, 50/60 Hz					
	210,000	229,000	251,000	268,000	285,000	305,000
	61.5	67.0	73.5	78.5	83.5	89.5
	12.8	14.7	15.8	17.0	18.8	20.2
	7 – 100		6 – 100		5 – 100	
	—	—	—	—	—	—
	Ivory white (5Y7.5/1)					
	Hermetically sealed scroll type					
	3.7 + 4.5	4.5 +4.5	4.5 + 2.9 + 3.2	4.5 + 3.3 + 3.6	4.5 + 3.8 + 4.1	4.5 + 4.3 + 4.6
	176 + 195	195 +195	195 +195	195 + 217	195 + 243	195 +294
	(1,660 x 1,240 x 765) + (1,660 x 1,240 x 765)					
	236 + 236		236 + 310		236 + 311	
	61		62		64	66
	10 to 52					
	R-410A					
	5.7 + 5.9	5.9 +5.9	5.9 + 9.2	5.9 + 9.4	5.9 + 9.2	5.9 + 9.4
	φ15.9 (Brazing)		φ19.1 (Brazing)			
	φ28.6 (Brazing)	φ34.9 (Brazing)				

	RXUQ48BMYM	RXUQ50BMYM	RXUQ52BMYM	RXUQ54BMYM	RXUQ56BMYM	RXUQ58BMYM	RXUQ60BMYM
	RXUQ12BYMG	RXUQ12BYMG	RXUQ12BYMG	RXUQ14BYMG	RXUQ16BYMG	RXUQ18BYMG	RXUQ20BYMG
	RXUQ16BYMG	RXUQ18BYMG	RXUQ20BYMG	RXUQ20BYMG	RXUQ20BYMG	RXUQ20BYMG	RXUQ20BYMG
	RXUQ20BYMG	RXUQ20BYMG	RXUQ20BYMG	RXUQ20BYMG	RXUQ20BYMG	RXUQ20BYMG	RXUQ20BYMG
	3-phase, 4-wire system, 380-415 V/380 V, 50/60 Hz						
	457,000	474,000	495,000	519,000	536,000	553,000	573,000
	134	139	145	152	157	162	168
	29.8	31.6	33.0	34.0	35.3	37.0	38.4
	3 – 100						2 – 100
	—	—	—	—	—	—	—
	Ivory white (5Y7.5/1)						
	Hermetically sealed scroll type						
	4.5 + 3.3 + 3.6 + 4.3 + 4.6	4.5 + 3.8 + 4.1 + 4.3 + 4.6	4.5 + 4.3 + 4.6 + 4.3 + 4.6	2.9 + 3.2 + 4.3 + 4.6 + 4.3 + 4.6	3.3 + 3.6 + 4.3 + 4.6 + 4.3 + 4.6	3.8 + 4.1 + 4.3 + 4.6 + 4.3 + 4.6	4.3 + 4.6 + 4.3 + 4.6 + 4.3 + 4.6
	195 + 217 + 294	195 + 243 + 294	195 + 294 + 294	195 + 294 + 294	217 + 294 + 294	243 + 294 + 294	294 + 294 + 294
	(1,660 x 1,240 x 765) + (1,660 x 1,240 x 765) + (1,660 x 1,240 x 765)						
	236 + 310 + 311	236 + 311 + 311		310 + 311 + 311		311 + 311 + 311	
	67	68	69				70
	10 to 52						
	R-410A						
	5.9 + 9.4 + 9.4	5.9 + 9.2 + 9.4	5.9 + 9.4 + 9.4	9.2 + 9.4 + 9.4	9.4 + 9.4 + 9.4	9.2 + 9.4 + 9.4	9.4 + 9.4 + 9.4
	φ19.1 (Brazing)						
	φ41.3 (Brazing)						

Outdoor Units

VRV 6X Series (Free Combination Type)

Specifications



Model			RXUQ14BMYM-SG	RXUQ16BMYM-SG	RXUQ18BMYM-SG	RXUQ20BMYM-SG	RXUQ26BMYM-SG	RXUQ28BMYM-SG
Combination units			RXUQ6BYMG	RXUQ8BYMG	RXUQ8BYMG	RXUQ10BYMG	RXUQ6BYMG	RXUQ8BYMG
			RXUQ8BYMG	RXUQ8BYMG	RXUQ10BYMG	RXUQ10BYMG	RXUQ10BYMG	RXUQ10BYMG
			–	–	–	–	RXUQ10BYMG	RXUQ10BYMG
Power supply			3-phase, 4-wire system, 380-415 V/380 V, 50/60 Hz					
Cooling capacity		Btu/h	131,000	153,000	172,000	191,000	246,000	268,000
		kW	38.4	44.8	50.4	56.0	72.0	78.4
Power consumption		kW	7.17	8.38	9.67	11.0	14.0	15.2
Capacity control		%	9-100		8-100	7-100	5-100	
Casing colour			Ivory white (5Y7.5/1)					
Compressor	Type		Hermetically sealed scroll type					
	Motor output	kW	2.4 + 3.3	3.3 + 3.3	3.3 + 3.7	3.7 + 3.7	2.4 + 3.7 + 3.7	3.3 + 3.7 + 3.7
Airflow rate		m³/min	126 + 153	153 + 153	153 + 176	176 + 176	126 + 176 + 176	153 + 176 + 176
Dimensions (H x W x D)		mm	(1,660 x 930 x 765) + (1,660 x 930 x 765)		(1,660 x 930 x 765) + (1,660 x 1,240 x 765)	(1,660 x 1,240 x 765) + (1,660 x 1,240 x 765)	(1,660 x 930 x 765) + (1,660 x 1,240 x 765) + (1,660 x 1,240 x 765)	
Machine weight		kg	216 + 216		216 + 236	236 + 236	216 + 236 +236	
Sound level		dB(A)	59	60			61	
Operation range		°CDB	10 to 52					
Refrigerant	Type		R-410A					
	Charge	kg	6.2 + 6.3	6.3 + 6.3	6.3 + 5.7	5.7 + 5.7	6.2 + 5.7 + 5.7	6.3 + 5.7 + 5.7
Piping connections	Liquid	mm	Ø12.7 (Brazing)		Ø15.9 (Brazing)		Ø19.1 (Brazing)	
	Gas	mm	Ø28.6 (Brazing)				Ø34.9 (Brazing)	

Model			RXUQ42BMYM-SG	RXUQ443MYM-SG	RXUQ46BMYM-SG	RXUQ48BMYM-SG
Combination units			RXUQ14BYMG	RXUQ14BYMG	RXUQ14BYMG	RXUQ16BYMG
			RXUQ14BYMG	RXUQ14BYMG	RXUQ16BYMG	RXUQ16BYMG
			RXUQ14BYMG	RXUQ16BYMG	RXUQ16BYMG	RXUQ16BYMG
Power supply			3-phase, 4-wire system, 380-415 V/380 V, 50/60 Hz			
Cooling capacity		Btu/h	409,000	427,000	444,000	461,000
		kW	120.0	125.0	130.0	135.0
Power consumption		kW	25.2	26.5	27.8	29.1
Capacity control		%	3-100			
Casing colour			Ivory white (5Y7.5/1)			
Compressor	Type		Hermetically sealed scroll type			
	Motor output	kW	2.9 + 3.2 + 2.9 + 3.2 + 2.9 + 3.2	2.9 + 3.2 + 2.9 + 3.2 + 3.3 + 3.6	2.9 + 3.2 + 3.3 + 3.6 + 3.3 + 3.6	3.3 + 3.6 + 3.3 + 3.6 + 3.3 + 3.6
Airflow rate		m³/min	195 + 195 + 195	195 + 195 + 217	195 + 217 + 217	217 + 217 + 217
Dimensions (H x W x D)		mm	(1,660 x 1,240 x 765) + (1,660 x 1,240 x 765) + (1,660 x 1,240 x 765)			
Machine weight		kg	310 + 310 + 310			
Sound level		dB(A)	64			
Operation range		°CDB	10 to 52			
Refrigerant	Type		R-410A			
	Charge	kg	9.2 + 9.2 + 9.2	9.2 + 9.2 + 9.4	9.2 + 9.4 + 9.4	9.4 + 9.4 + 9.4
Piping connections	Liquid	mm	Ø19.1 (Brazing)			
	Gas	mm	Ø41.3 (Brazing)			

Notes: Specifications are based on the following conditions;
- Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Height difference: 0 m.
- Sound level: Anechoic chamber conversion value, measured at a point 1 m in front of the unit at a height of 1.5 m.
  During actual operation, these values are normally somewhat higher as a result of ambient conditions and oil recovery mode.
  When there is concern for noise to the surrounding area such as residences, we recommend investigating the installation location and taking soundproofing measures.

	RXUQ30BMYM-SG	RXUQ32BMYM-SG	RXUQ34BMYM-SG	RXUQ36BMYM-SG	RXUQ38BMYM-SG	RXUQ40BMYM-SG
	RXUQ10BYMG	RXUQ10BYMG	RXUQ10BYMG	RXUQ12BYMG	RXUQ12BYMG	RXUQ12BYMG
	RXUQ10BYMG	RXUQ10BYMG	RXUQ12BYMG	RXUQ12BYMG	RXUQ12BYMG	RXUQ14BYMG
	RXUQ10BYMG	RXUQ12BYMG	RXUQ12BYMG	RXUQ12BYMG	RXUQ14BYMG	RXUQ14BYMG
	3-phase, 4-wire system, 380-415 V/380 V, 50/60 Hz					
	287,000	305,000	324,000	341,000	365,000	386,000
	84.0	89.5	95.0	100.0	107.0	113.0
	16.5	18.3	20.1	22.0	23.1	24.2
	4-100					
	Ivory white (5Y7.5/1)					
	Hermetically sealed scroll type					
	3.7 + 3.7 + 3.7	3.7 + 3.7 + 4.5	3.7 + 4.5 + 4.5	4.5 + 4.5 + 4.5	4.5 + 4.5 + 2.9 + 3.2	4.5 + 2.9 + 3.2 + 2.9 + 3.2
	176 + 176 + 176	176 + 176 + 195	176 + 195 + 195	195 + 195 + 195		
	(1,660 x 1,240 x 765) + (1,660 x 1,240 x 765) + (1,660 x 1,240 x 765)					
	236 + 236 + 236				236 + 236 +310	236 + 310 +310
	61	62	63		64	
	10 to 52					
	R-410A					
	5.7 + 5.7 + 5.7	5.7 + 5.7 + 5.9	5.7 + 5.9 + 5.9	5.9 + 5.9 + 5.9	5.9 + 5.9 + 9.2	5.9 + 9.2 + 9.2
	Ø19.1 (Brazing)					
	Ø34.9 (Brazing)			Ø41.3 (Brazing)		

Indoor Unit Overview

New ***VRV*** 6X series can connect to a wide range of Daikin's indoor units responding to variety of needs of our customers that require air-conditioning solutions.

Round Flow Cassette with Sensing and Streamer Type

Comfort, energy savings by sensing functions and enhanced maximum efficiency in cleaning

FXFTQ-A

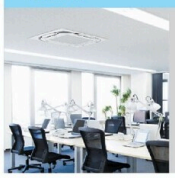
Round Flow Cassette with Streamer Type

360° airflow for improved comfort and enhanced maximum efficiency in cleaning

FXFRQ-A

Round Flow Cassette with Sensing Type

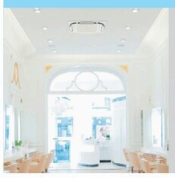
Comfort and energy savings by sensing functions



FXFSQ-A

Round Flow Cassette Type

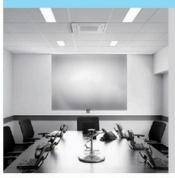
360° airflow for improved comfort

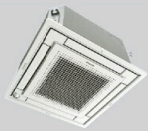


FXFQ-A

Compact Multi Flow Cassette Type

Quiet, compact, and designed for user comfort

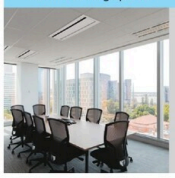




FXZQ-B

Double Flow Cassette Type

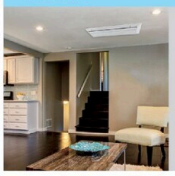
Thin, lightweight, and easy to install in narrow ceiling spaces



FXCQ-B

Single Flow Cassette Type

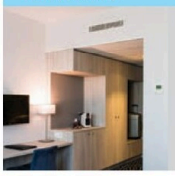
Compact & elegant design for flexible installation



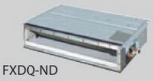
FXEQ-A

Slim Duct (Standard) Type

Slim design, quietness and ideal for drop-ceilings



FXDQ-PD



FXDQ-ND

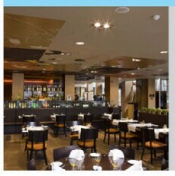
Slim Duct (Compact) Type

Slim and compact design for easy and flexible installation

FXDQ-SP

Middle Static Pressure Duct Type

Middle static pressure and slim design allow flexible installations.



FXSQ-PA

Middle-High Static Pressure Duct Type

Middle and high static pressure allows for flexible duct design.

FXMQ-PA

High Static Pressure Duct Type

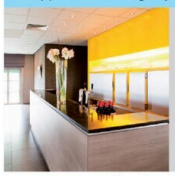
High static pressure allows for flexible duct design.

FXMQ-P

FXMQ-M

Outdoor-Air Processing Unit

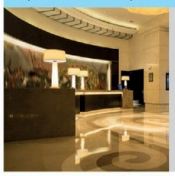
Combine fresh air treatment and air conditioning, supplied from a single system.



FXMQ-MF

Outdoor-Air Processing Unit

Improve IAQ with fresh air ventilation and precise room temperature control



FXMQ-BF

Ceiling Suspended Type

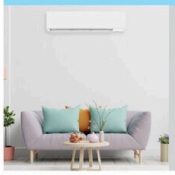
Slim body with quiet and wide airflow.

FXHQ-MA

FXHQ-B

Wall Mounted Type

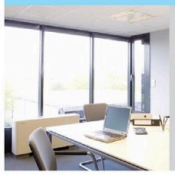
Stylish flat panel design harmonised with your interior décor.



New FXAQ-B

Floor Standing Type / Conceal Floor Standing Type

Suitable for perimeter zone air conditioning



FXLQ-MA

Floor Standing Duct Type

Large airflow type for large spaces.

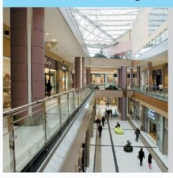
FXVQ-N

FXVQ-NY16

(high static pressure type)

Air Handling Unit

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



AHUR

Air treatment equipment

Heat Reclaim Ventilator

Daikin VAM series ensures fresh air intake and energy savings

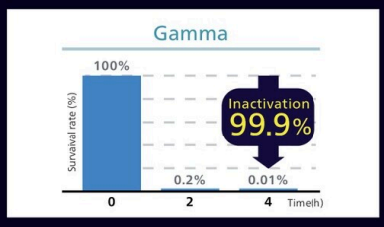
VAM-HVE

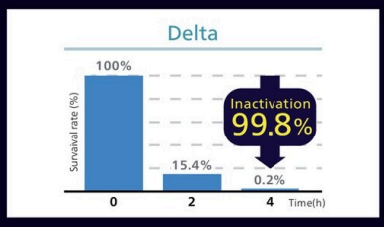
STREAMER TECHNOLOGY

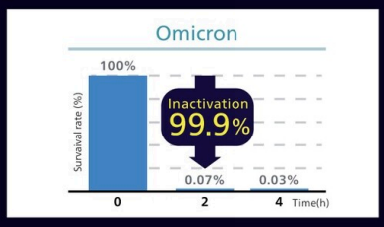
More than 99.9% decomposition of Coronavirus variants & Coxsackievirus (HFMD).

Demonstration of the inactivation effects against 6 types of Coronavirus*3 variants by Streamer technology.

*3 Each survival rate is calculated by comparison with the rate of natural attenuation of each hour.

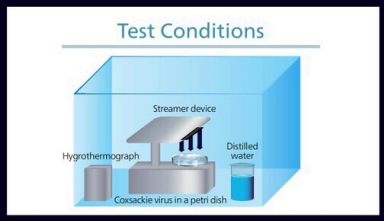


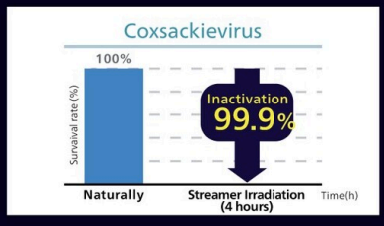




99.9% of coxsackievirus (Hand, Foot, and Mouth Disease) was suppressed within 4 hours using Streamer irradiation

*The residual states of coxsackievirus*4 placed in a petri dish were observed throughout an 8-hour period under Streamer irradiation.





Scan here for more

DAIKIN Streamer Research Institute

	*3 Demonstration of Coronavirus (SARS-CoV-2)	*4 Demonstration of Coxsackievirus (Hand, Foot, and Mouth Disease)
Test Organization	Conventional strain: Faculty of Veterinary Medicine, Okayama University of Science | Alpha, Beta, Gamma, Delta, and Omicron strain: Research Institute for Microbial Diseases, Osaka University	Kitasato Research Center for Environmental Science
Test Method	Quantification was performed by the TCID50 method using an acrylic box of about 31L. The virus loads were quantified using Vero E6 / TMPRSS2 cells.	Quantification was performed by the CPE and TCID50 method using a 0.1m^3 chamber. The virus loads were quantified using Human coxsackievirus B6 (stain=Schmitt, ATCC VR-155).

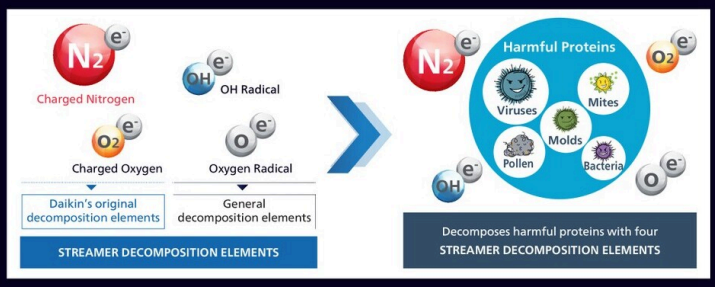
*This result was obtained by using a Streamer discharge device for testing in lab conditions. The effect of products equipped with Streamer technology or results in actual use environments may differ.

What is the Streamer technology?

The Streamer discharge is a type of plasma discharge that generates "high-speed electrons", which have high oxidative decomposition power in a three-dimensional and wide range, the oxidative decomposition power is 1,000 times or more compared to general plasma discharge (glow discharge).

With this technology, high-speed electrons that combine with air components have a strong oxidative decomposition power, so they continuously act on odors, bacteria, and indoor pollutants such as formaldehyde.

*Comparison based on oxidative decomposition power of 10 eV (electron Volt), and the oxidative decomposition power of the sun is equivalent to 0.6eV.



	Test target	Testing organaization	Test method	Report date
Viruses	Norovirus	Kobe University Graduate School	ELISA method	12-Jan-2007
	Avian influenza virus (Type A-H5N1)	Vietnam National Institute of Hygiene and Epidemiology	CPE and TCID50	16-Apr-2009
	Influenza virus (Type A-H1N1)	Kitasato Research Center for Environmental Science	CPE and TCID50	31-Jul-2009
	Influenza virus (Type A-H3N2)	Shanghai City Center for Disease Control and Prevention, etc.	CPE and TCID50	8-Feb-2010
	RS virus	Wakayama Medical University	CPE and TCID50	13-Apr-2012
	Adenovirus	Kitasato Research Center for Environmental Science	CPE and TCID50	23-Jun-2017
	Coxsackievirus		CPE and TCID50	
	Enterovirus		CPE and TCID50	
	Echovirus		CPE and TCID50	
	Measles		CPE and TCID50	
	Mouse Norovirus	The University of Tokyo Graduate School	CPE and TCID50	11-Oct-2018
	Mouse Coronavirus	The University of Tokyo Graduate School	Plaque assay	28-Apr-2020
	Novel Coronavirus (SARS-CoV-2)	Okayama University of Science	CPE and TCID50	8-Jul-2020
Bacteria	Escherichia coli	Japan Food Research Laboratories	Pour plate culture method	8-Apr-2004
	Staphylococcus aureus		Pour plate culture method	8-Apr-2004
	Enterotoxin		ELISA method	25-Aug-2004
	Tubercle bacilli	Kitasato Research Center for Environmental Science	Plaque assay	8-Mar-2010
	Vancomycin-resistant enterococci (VRE)	Japan Food Research Laboratories	Pour plate culture method	19-Feb-2010
	Methicillin-resistant Staphylococcus aureus (MRSA)		Pour plate culture method	19-Feb-2010
	Pseudomonas aeruginosa		Pour plate culture method	12-Apr-2010
	Bacillus, Serratia, and Arthrobacter		Pour plate culture method	29-Sep-2010
	Escherichia coli		Pour plate culture method	10-Sep-2018
	Moraxella bacteria		Pour plate culture method	10-Jun-2019
Molds	Mold (Black mold)	Japan Food Research Laboratories	Pour plate culture method	28-Sep-2004
Allergens	Molds and mites (feces and carcasses)	Wakayama Medical University	Observation by electron microscope ELISA method	14-Sep-2004
	Pollen + exhaust gas + PM2.5	Yamagata University under the supervision of Professor Shirasawa, Tohoku Bunka Gakuen University	IgE antibody test, ELISA method	8-Nov-2017
	Mites (feces and carcasses) + cedar pollen		ELISA method	8-Nov-2017
	Pollens (16 kinds)	L.S.L. Asaka Research Laboratory under the supervision of Project Professor Kusakabe, graduate school of the University of Tokyo	ELISA method	23-Jan-2020
Hazardous gases	Adjuvant suppression effect (DEP)	Wakayama Medical University National Institute for Environmental Studies	ELISA method	1-Nov-2005
	Adjuvant (VOC)	Tohoku Bunka Gakuen University	Attenuation method	8-Dec-2006

This product can be used to improve the quality of the air by removing airborne hazardous chemical substances, allergens, mould, bacteria, and viruses, etc. However, this product is not intended for the creation of sterile environments or for the prevention pathogen infections.

This description relates to the Streamer Technology devised by Daikin, but not to this Air Purifier.

Test results from use of the Streamer Technology are generated according to prescribed test methods conducted by Daikin. Although the Streamer Technology is contained within this Air Purifier, this does not mean that precisely the same results will be experienced using this Air Purifier. Actual results may differ depending on the conditions of product installation and use of the actual product, etc.

*This result was obtained by using a Streamer discharge device for testing in lab conditions. The effect of products equipped with Streamer technology or results in actual use environments may differ.

Round Flow Cassette with Sensing and Streamer Type

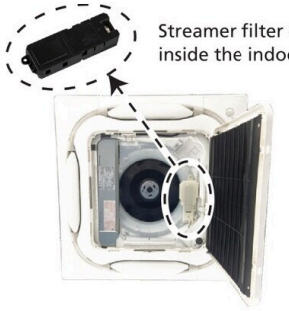
FXFTQ-A

Comfort, energy savings by sensing functions and enhanced maximum efficiency in cleaning

Introducing Streamer technology to *VRV* Indoor unit

Daikin Streamer Technology enhances maximum efficiency in cleaning, which uses powerful decomposition properties to decompose substances captured by filter for better air quality.

Streamer filter clean unit irradiates Streamer when the fan and air conditioning operation are stopped. Streamer fumigates the cabin and sterilizes the filter.



Streamer filter clean unit built-in inside the indoor unit

Remarks:

1) Only the remote controller BRC1H63W(K) can be connected for ON/OFF operation of the streamer.
2) The Streamer function operates only when the fan and air conditioning operation are stopped. The maximum operation of streamer is 180 minutes per day. (This function is available only when the remote controller BRC1H63W(K) is connected.)

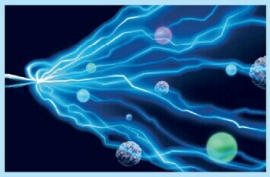
Stylish Remote Controller BRC1H63W/K

Streamer ON/OFF setting and status icon are available.

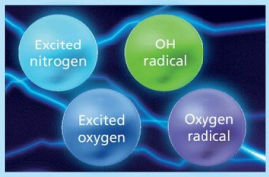
Streamer Technology

Equipped with decomposition technology, Streamer is a type of plasma discharge that eliminates allergens such as pollen, mould, and mites, as well as, deodorises anti-bacterial dust filters so you can breathe with ease.

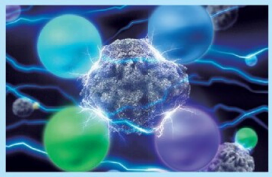
Mechanism of decomposition by Streamer



Streamer emits high-speed electrons.



The electrons collide and combine with nitrogen and oxygen in the air to form four kinds of decomposing elements with decomposition power.



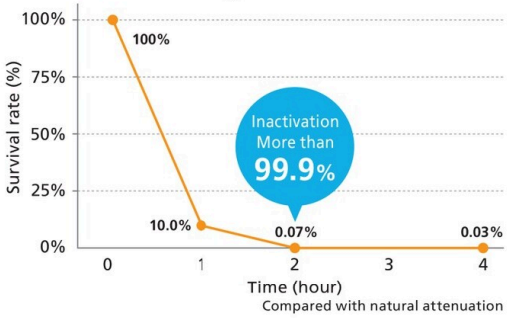
The decomposing elements provide decomposition power.

99.93% Inactivation of Omicron variant in 2 hours

Experimental Results

Irradiation with Streamer discharge for two hours inactivated 99.93%, and for four hours inactivated 99.97% of the Omicron variant of Coronavirus (SARS-CoV-2), when compared to without Streamer discharge.

Inactivation effect against Omicron variant



Compared with natural attenuation

Test Method

DAIKIN Streamer Research Institute

hCoV-19/Japan/ TY38-873/2021 strain (Omicron variant) was used. Two acrylic boxes of about 31L were placed in a safety cabinet in the BSL-3 facility, and Streamer discharge device was installed in one of the acrylic boxes. Seesaw shakers with a 6-well plate were placed in both boxes, and 0.5 mL of virus solution was placed in each well of the plate. Streamer irradiation was performed on one 6-well plate while stirring with a seesaw shaker. After 1, 2, and 4 hours, the virus solution was collected, and the virus titer was measured by the TCID50 method using Vero E6/TMPRSS2 cells.

Test Organization

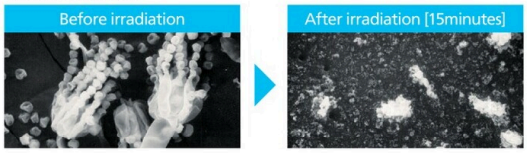
Professor Tatsuo Shioda, Department of Virus Infections, Research Institute for Microbial Diseases, Osaka University

*This result was obtained by using a Streamer discharge device for testing in lab conditions.
The effect of products equipped with Streamer technology or results in actual use environments may differ.

Streamer decomposes mould and mites (feces and carcasses) and suppresses the causes of allergies.

Demonstration of mould

Picture of mould



Test Method

"Moulds" were placed on the electrodes of a Streamer discharge unit where they were exposed to Streamer dischage for 15 minutes and photographed with an electron microscope.

Test Organization

Demonstration test was performed at Wakayama Medical University.

Why Daikin Streamer?

Recognized as clean technology by public bodies

Winner of the 2005 Progress Award, Institute of Electrostatics Japan

Awarded for the development of a domestic air purifier which uses DC Streamer discharge.

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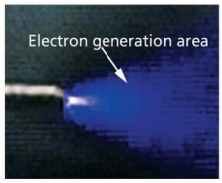
Patents acquired relating to Streamer technology

Streamer, a type of plasma discharge, decomposes hazardous chemical substances. The decomposition power is comparable to thermal energy of about 100,000°C.*

Note:
*Comparison of oxidation decomposition.
This does not mean temperature will become high.

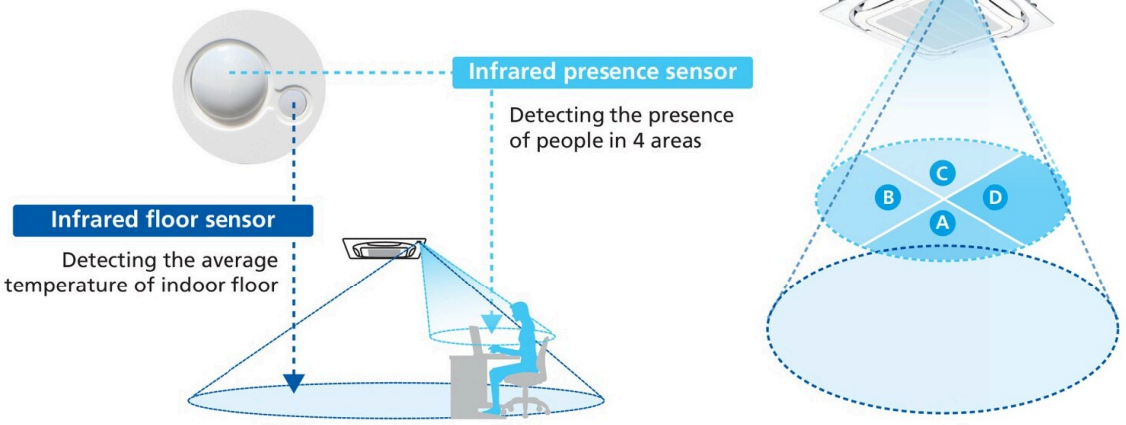


Round Flow Cassette with Sensing and Streamer Type

Daikin advanced sensing technology dual sensors

Round flow with sensing

Comfort and energy saving by sensing functions



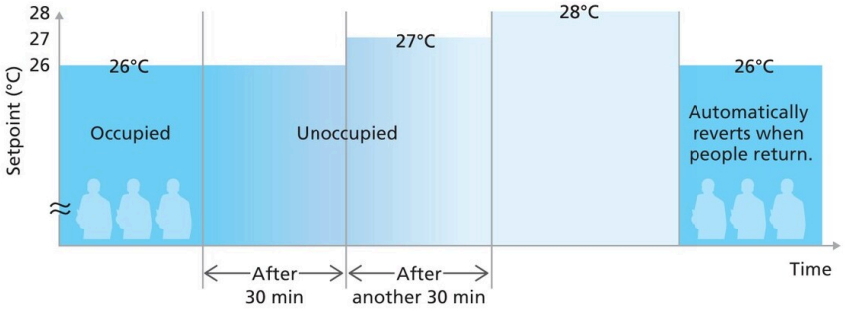
Sensing sensor mode Energy saving

Sensing sensor low mode (default: OFF)

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

Example

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



Sensing sensor stop mode (default: OFF)

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

*Adjustment is possible for shift time and set temperature by local setting.

Individual airflow direction control

Comfortable air conditioning for all room layouts and conditions

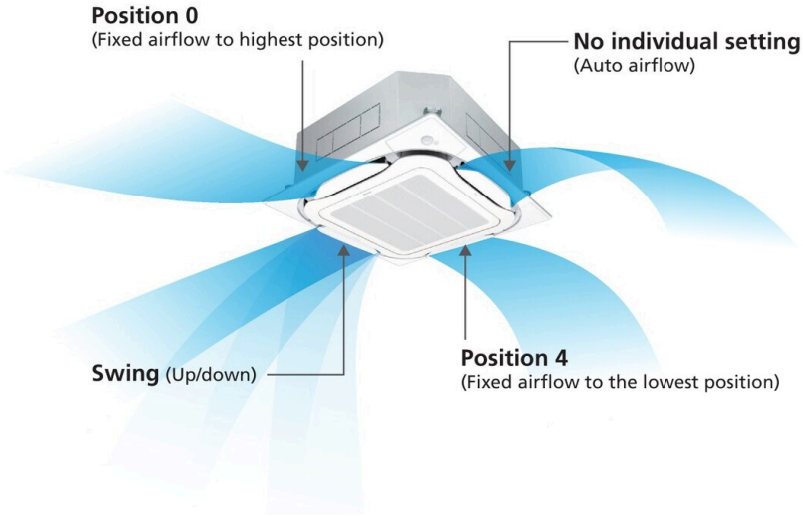
Easy setting is possible with a wired remote controller

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

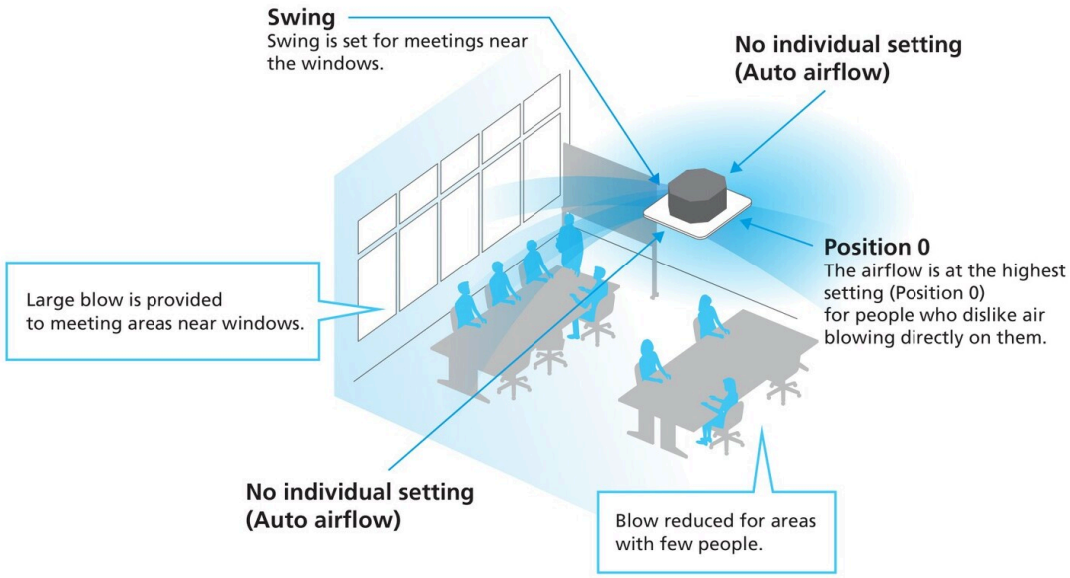
Individual airflow settings

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.



Comfort is provided to the entire room by individual setting corresponding to 4-way flow conditions.



Round Flow Cassette with Sensing and Streamer Type

Other functions

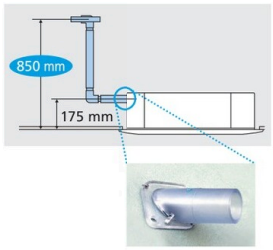
Quick and easy installation

Installable in tight ceiling spaces

Min. of 261 mm* ceiling space when using standard panel.

* For FXFTQ25-80A models.

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



Easy maintenance

Drain pan and drain water check

The condition of the drain pan and drain water can be checked by removing the suction grille and drain plug.

Just open the suction grille!

Note: For inquiries concerning auto grille panel installations, please contact your local dealer or Daikin representative.

Cleanliness

Silver ion anti-bacterial drain pan

Prevents the growth of slime, bacteria, and mould that cause odours and clogging.

* Drain pan should be changed once every two to three years.

Filter has anti-mould and antibacterial treatment

High Performance Prefilter (MERV 8) (Option) See page 123

This filter can catch more harmful substances in the air such as PM2.5.

BAF552A160

Panel (Option)

Standard panel with sensing
BYCQ125EEF (Fresh White)

Standard panel with sensing
BYCQ125EEK (Black)

Specifications

MODEL			FXFTQ25AVM	FXFTQ32AVM	FXFTQ40AVM	FXFTQ50AVM	FXFTQ63AVM	FXFTQ80AVM	FXFTQ100AVM	FXFTQ125AVM	FXFTQ140AVM
Power supply			1-phase, 220-240 V/220-230 V, 50/60 Hz								
Cooling capacity		Btu/h	9,600	12,300	15,400	19,100	24,200	30,700	38,200	47,800	54,600
		kW	2.8	3.6	4.5	5.6	7.1	9.0	11.2	14.0	16.0
Power consumption		kW	0.028		0.035	0.056	0.061	0.092	0.164	0.170	0.194
			0.026		0.034	0.056	0.060	0.092	0.144	0.159	0.183
Casing			Galvanised steel plate								
Airflow rate (H/HM/M/ML/L)		m^3/min	13/12.5/11.5/11/10		17/13.5/12.5/12/11	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	830/741/706/565/477	865/777/724/706/530	1,183/1,077/953/830/741	1,218/1,112/1,006/900/812	1,253/1,147/1,041/935/812
Sound level (H/HM/M/ML/L)		dB(A)	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			24	22		25		26
Piping connections	Liquid (Flare)	mm	ϕ6.4				ϕ9.5				
	Gas (Flare)		ϕ12.7				ϕ15.9				
	Drain		VP25 (External Dia. 32/Internal Dia. 25)								

Notes: Specifications are based on the following conditions;
- Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Height 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.

Panel (Option)

Standard panel with sensing	Model		BYCQ125EEF (Fresh White)
	Dimensions(H×W×D)	mm	50×950×950
	Weight	kg	5.5
	Model		BYCQ125EEK (Black)
	Dimensions(H×W×D)	mm	50×950×950
	Weight	kg	5.5

Function List

Wired remote controller	BRC1H63W(K)
Streamer function unit	○
Dual sensors *1	○
Auto airflow function (Draft prevention) *1	○
Sensing sensor low mode *1	○
Sensing sensor stop mode *1	○
Individual airflow direction control	○
Switchable 5 step fan speed	○
Auto airflow rate	○
Auto swing	○
High ceiling application	○

*1. Applicable when sensing panel is installed.

Round Flow Cassette with Streamer Type

FXFRQ-A

360° airflow for improved comfort and enhanced maximum efficiency in cleaning

Introducing Streamer technology to *VRV* Indoor unit

Daikin Streamer Technology enhances maximum efficiency in cleaning, which uses powerful decomposition properties to decompose substances captured by filter for better air quality.

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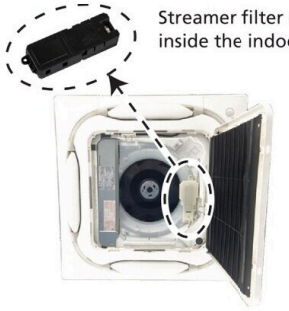

Streamer filter clean unit built-in inside the indoor unit

Remarks:

1) Only the remote controller BRC1H63W(K) can be connected for ON/OFF operation of the streamer.
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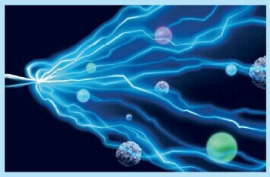
Stylish Remote Controller BRC1H63W/K

Streamer ON/OFF setting and status icon are available.

Streamer Technology

Equipped with decomposition technology, Streamer is a type of plasma discharge that eliminates allergens such as pollen, mould, and mites, as well as, deodorises anti-bacterial dust filters so you can breathe with ease.

Mechanism of decomposition by Streamer



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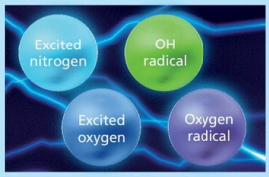

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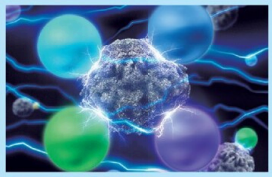


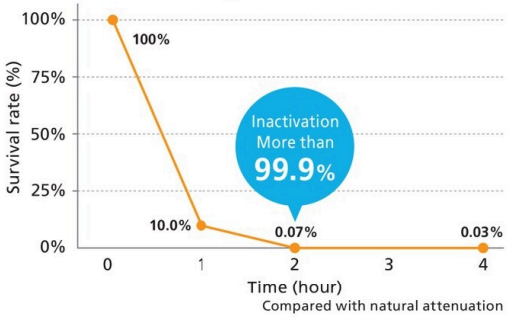
The decomposing elements provide decomposition power.

99.93% Inactivation of Omicron variant in 2 hours

Experimental Results

Irradiation with Streamer discharge for two hours inactivated 99.93%, and for four hours inactivated 99.97% of the Omicron variant of Coronavirus (SARS-CoV-2), when compared to without Streamer discharge.

Inactivation effect against Omicron variant



Compared with natural attenuation

Test Method

DAIKIN Streamer Research Institute

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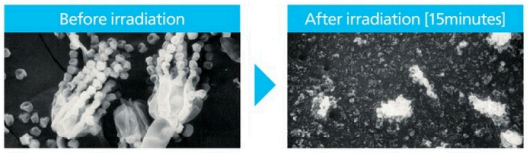
Demonstration of mould

Picture of mould



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Awarded for the development of a domestic air purifier which uses DC Streamer discharge.

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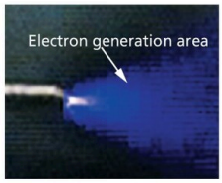


Round Flow Cassette with Streamer Type

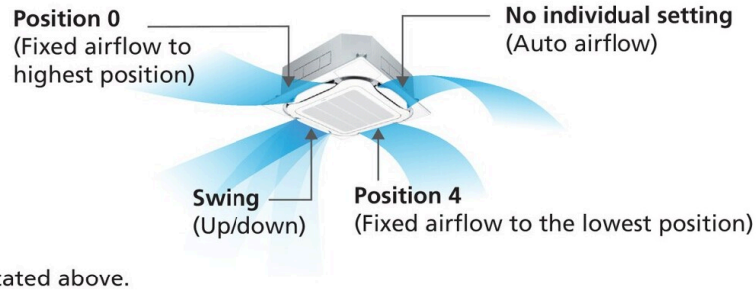
Individual airflow direction control

Comfortable air conditioning for all room layouts and conditions

Easy setting is possible with a wired remote controller

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

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



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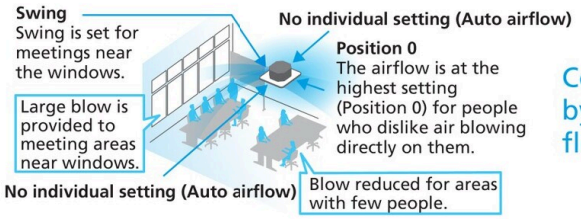


Comfort is provided to the entire room by individual setting corresponding to 4-way flow conditions.

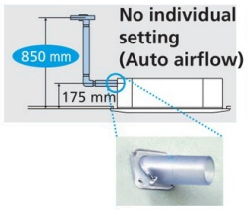
Other functions

Quick and easy installation

Installable in tight ceiling spaces

Min. of 261 mm* ceiling space when using standard panel.

* For FXFRQ25-80A models.

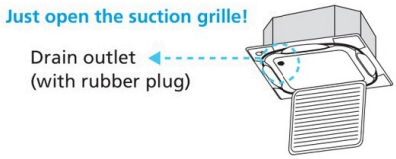


Drain pump is equipped as standard accessory with 850 mm lift.

Easy maintenance

Drain pan and drain water check

The condition of the drain pan and drain water can be checked by removing the suction grille and drain plug.



Cleanliness

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Prevents the growth of slime, bacteria, and mould that cause odours and clogging.

* Drain pan should be changed once every two to three years.

Filter has anti-mould and antibacterial treatment

High Performance Prefilter (MERV 8) (Option) See page 123

This filter can catch more harmful substances in the air such as PM2.5.

BAF552A160

Decoration Panel (Option)

Standard panel

Standard panel
BYCQ125EAF (Fresh White)

Standard panel
BYCQ125EAK (Black)

New designer panel

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

Designer panel
BYCQ125EAPF (Fresh White)

Close to ideal styling
New designer panel

FLAT
Flatter styling:
Suction panel grid texture smoothed.

CLEAN
Clean-cut form:
Soiling is hard to see on smart-looking panel.

ROUND
Subtle distinction:
around suction inlets silvering is a tasteful touch.

Auto grille panel

Grille and air filter cleaning can be performed without need for a stepladder by lowering the grille.

A dedicated remote controller for the auto grille panel is included.

Wireless Remote Controller

Grille panel can be lowered to a maximum of 3.9 m.
BYCQ125EBSF (Fresh White)

Specifications

MODEL			FXFRQ25AVM	FXFRQ32AVM	FXFRQ40AVM	FXFRQ50AVM	FXFRQ63AVM	FXFRQ80AVM	FXFRQ100AVM	FXFRQ125AVM	FXFRQ140AVM
Power supply			1-phase, 220-240 V/220-230 V, 50/60 Hz								
Cooling capacity		Btu/h	9,600	12,300	15,400	19,100	24,200	30,700	38,200	47,800	54,600
		kW	2.8	3.6	4.5	5.6	7.1	9.0	11.2	14.0	16.0
Power consumption		kW	0.029		0.036	0.040	0.063	0.096	0.158	0.178	0.203
			0.027		0.036	0.040	0.063	0.096	0.150	0.166	0.191
Casing			Galvanised steel plate								
Airflow rate (H/HM/M/ML/L)		m^3/min	13/12.5/11.5/11/10		17/13.5/13/12/11	18/17/13.5/12.5/11	21/20/16/15/13.5	22.5/21.5/21/20/15	32/29/26/23/21	33/30.5/28/25.5/21	35.5/32.5/29.5/26.5/23
		cfm	459/441/406/388/353		600/477/459/424/388	635/600/477/441/388	741/706/565/530/477	794/759/741/706/530	1,130/1,024/918/812/741	1,165/1,077/988/900/741	1,253/1,147/1,041/935/812
Sound level (H/HM/M/ML/L)		dB(A)	30/29.5/28.5/28/27		35/29.5/29/28/27	35/33.5/29.5/28.5/27	36/35.5/31.5/31/28	37/36.5/36/35.5/29.5	43/40.5/37.5/35/33	44/41.5/39/36.5/33	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)	mm	ϕ6.4				ϕ9.5				
	Gas (Flare)		ϕ12.7				ϕ15.9				
	Drain		VP25 (External Dia. 32/Internal Dia. 25)								

Notes: Specifications are based on the following conditions;
- Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Height 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.

Panel (Option)

Standard panel	Model		BYCQ125EAF (Fresh White) / BYCQ125EAK (Black)
	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		BYCQ125EBSF (Fresh White)
	Dimensions(H×W×D)	mm	105×950×950
	Weight	kg	8

Function List

Wired remote controller	BRC1H63W(K)
Streamer function unit	○
Individual airflow direction control	○
Switchable 5 step fan speed	○
Auto airflow rate	○
Auto swing	○
High ceiling application	○

Round Flow Cassette with Sensing Type

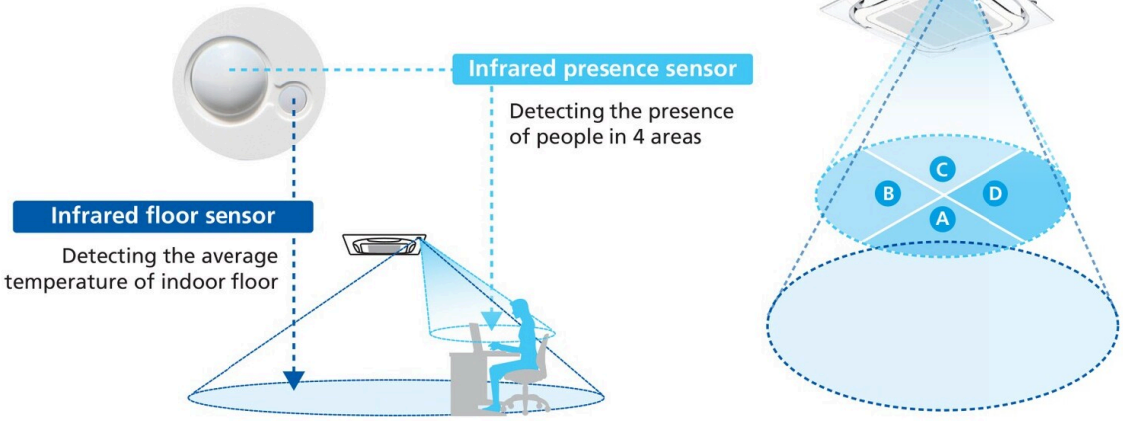
FXFSQ-A

Comfort and energy saving by sensing functions

Daikin advanced sensing technology dual sensors

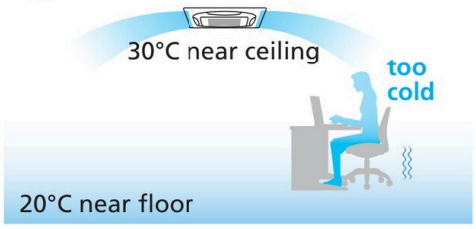
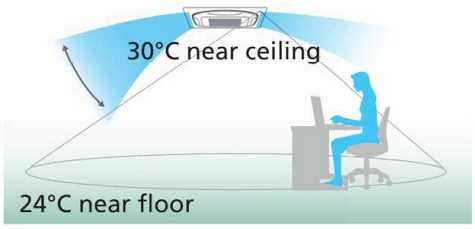
Round flow with sensing

Comfort and energy saving by sensing functions



Comfort and energy saving preventing over cooling Comfort

Sensors detecting human presence and temperatures near the floor provide comfortable spaces without uneven temperatures.

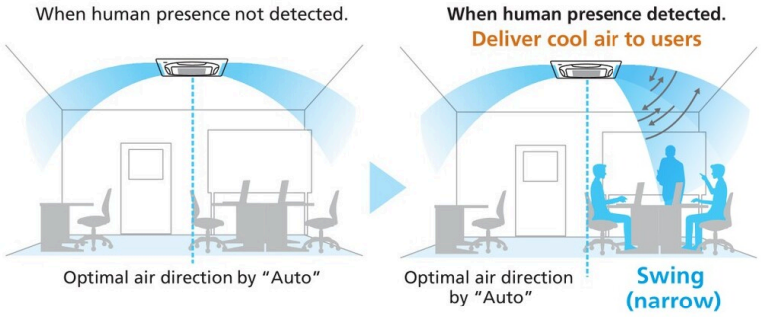
Without sensing function	With sensing function
Cooling	
	
Even when room temperature is detected at 30°C, the floor temperature may be as low as 20°C, causing the feet area to be cold.	To prevent an excessive drop in temperature, room temperature is calculated at 27°C when people are in the vicinity.

Auto airflow function Comfort

*When human is not detected for 5 minutes, the unit automatically returns to controlling the flaps for an unoccupied room.

Direct Airflow (default: OFF)

Cooling Dry



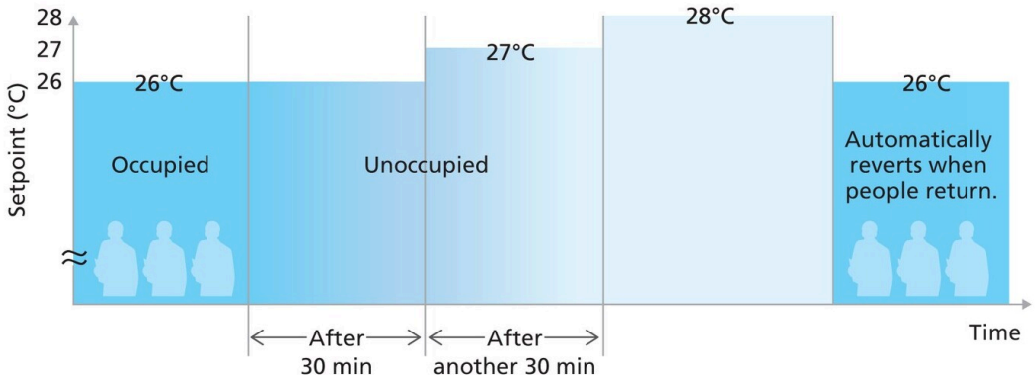
Sensing sensor mode Energy saving

Sensing sensor low mode (default: OFF)

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

Example

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



Sensing sensor stop mode (default: OFF)

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

*Adjustment is possible for shift time and set temperature by local setting.

Round Flow Cassette with Sensing Type

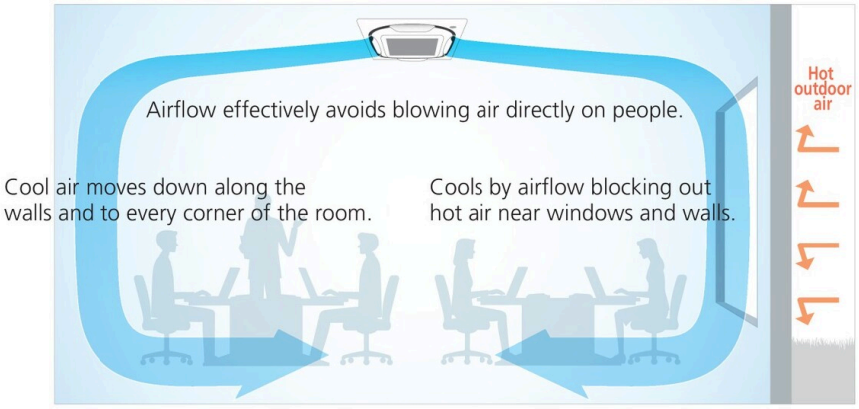
Circulation airflow*

Configurations of circulation airflow

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

Cooling

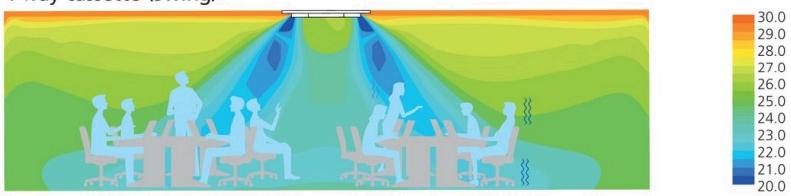
During 2-way horizontal flow



Comfort without cold air pockets at floor level.

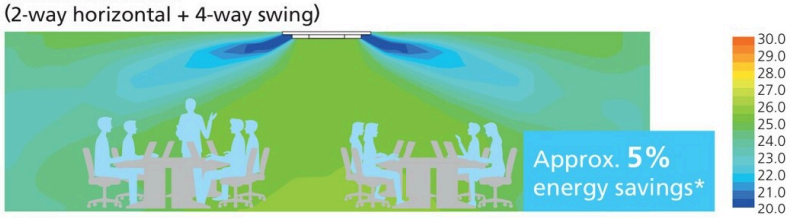
Comparison Conditions
Room size: Width 7.5m x depth 7.5m x height 2.6m
Indoor unit capacity: 71 class
Outdoor air temperature: 35°C
Airflow rate and air direction: high / swing

4-way cassette (Swing)



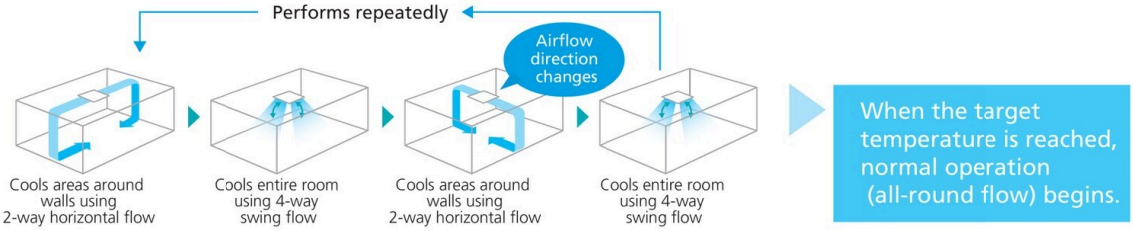
reduce uneven temperatures

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



* Calculated under the following comparison conditions:
When the average temperature at a height of 0.6m above the floor reaches set temperature. (26°C)

Operation (at start)



Individual airflow direction control

* Applicable when wired remote controller BRC1E63 is used.

Comfortable air conditioning for all room layouts and conditions

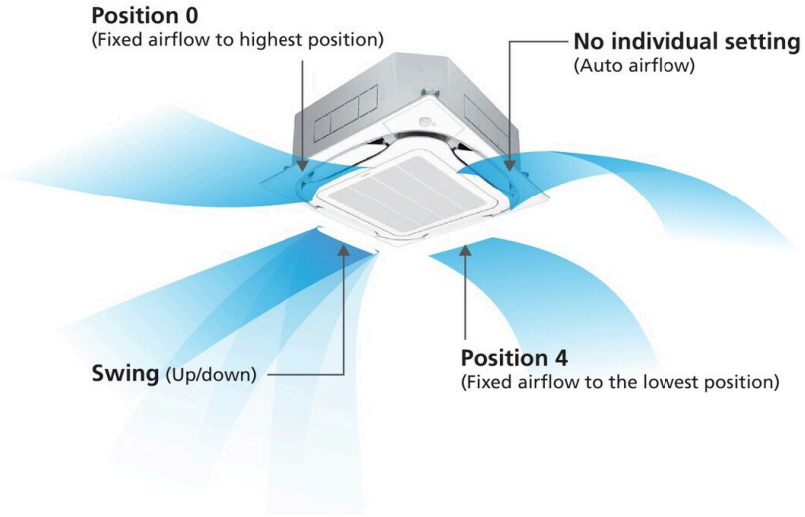
Easy setting is possible with a wired remote controller

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

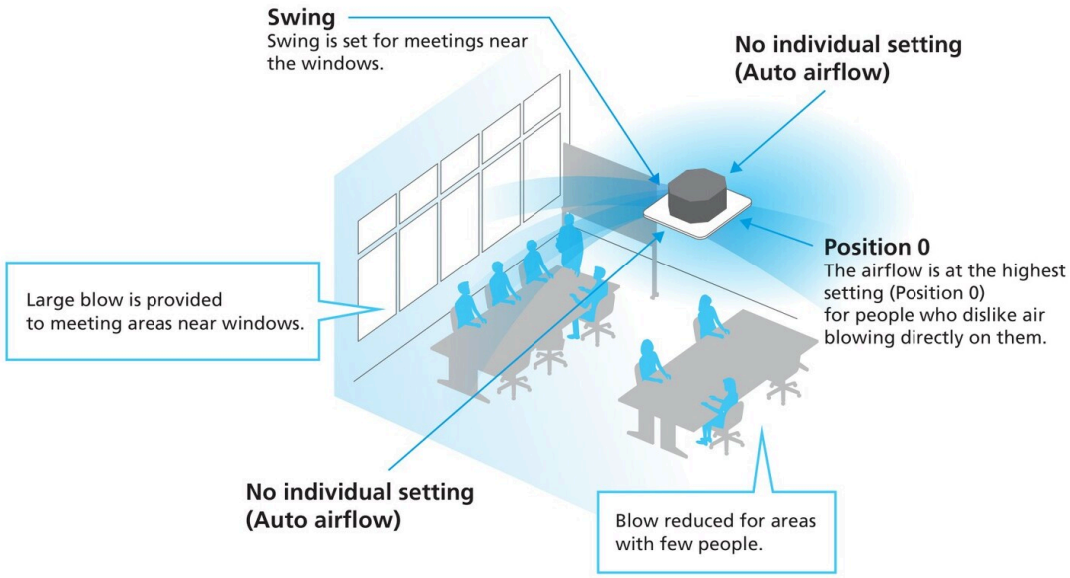
Individual airflow settings

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.



Comfort is provided to the entire room by individual setting corresponding to 4-way flow conditions.



Round Flow Cassette with Sensing Type

Other functions

Comfort

From All-round flow to 2-way flow, various airflow patterns available.

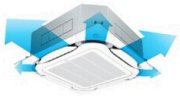
All-round flow

(E.g., installed in middle of ceiling)
4-way flow also possible.

3-way flow

(E.g., installed near a wall)

L-shaped 2-way flow



(E.g., installed in a corner)

Opposite 2-way flow

(E.g., installed in a long room)

* 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.

Suitable for high ceilings

Even in spaces with high ceilings, a comfortable airflow is carried down to the floor level.

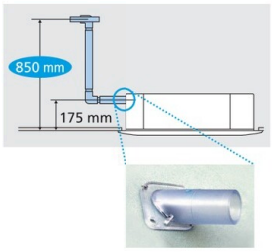
Quick and easy installation

Installable in tight ceiling spaces

Min. of 261 mm* ceiling space when using standard panel.

* For FXF5Q25-80A models.

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



Easy maintenance

Drain pan and drain water check

The condition of the drain pan and drain water can be checked by removing the suction grille and drain plug.

Just open the suction grille!

Note: For inquiries concerning auto grille panel installations, please contact your local dealer or Daikin representative.

Cleanliness

Silver ion anti-bacterial drain pan

Prevents the growth of slime, bacteria, and mould that cause odours and clogging.

* Drain pan should be changed once every two to three years.

Filter has anti-mould and antibacterial treatment

High Performance Prefilter (MERV 8) (Option)

See page 123

This filter can catch more harmful substances in the air such as PM2.5.

BAF552A160

Panel (Option)

Standard panel with sensing
BYCQ125EEF (Fresh White)

Standard panel with sensing
BYCQ125EEK (Black)

Specifications

MODEL			FXFSQ25AVM	FXFSQ32AVM	FXFSQ40AVM	FXFSQ50AVM	FXFSQ63AVM	FXFSQ80AVM	FXFSQ100AVM	FXFSQ125AVM	FXFSQ140AVM
Power supply			1-phase, 220-240 V/220-230 V, 50/60 Hz								
Cooling capacity		Btu/h	9,600	12,300	15,400	19,100	24,200	30,700	38,200	47,800	54,600
		kW	2.8	3.6	4.5	5.6	7.1	9.0	11.2	14.0	16.0
Power consumption		kW	0.028		0.035	0.056	0.061	0.092	0.164	0.170	0.194
Casing			Galvanised steel plate								
Airflow rate (H/HM/M/ML/L)		m^3/min	13/12.5/11.5/11/10		17/13.5/12.5/12/11	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	830/741/706/565/477	865/777/724/706/530	1,183/1,077/953/830/741	1,218/1,112/1,006/900/812	1,253/1,147/1,041/935/812
Sound level (H/HM/M/ML/L)		dB(A)	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			24	22		25		26
Piping connections	Liquid (Flare)	mm	ϕ6.4				ϕ9.5				
	Gas (Flare)		ϕ12.7				ϕ15.9				
	Drain		VP25 (External Dia. 32/Internal Dia. 25)								

Notes: Specifications are based on the following conditions;
- Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Height 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.

Panel (Option)

Standard panel with sensing	Model		BYCQ125EEF (Fresh White)
	Dimensions(H×W×D)	mm	50×950×950
	Weight	kg	5.5
	Model		BYCQ125EEK (Black)
	Dimensions(H×W×D)	mm	50×950×950
	Weight	kg	5.5

Function List

Remote controller	Wired		Wireless
	BRC1E63	BRC1H63W(K)	BRC7M635F(K)
Dual sensors *1	○	○	—
Auto airflow function (Direct airflow) *1	○	—	—
Auto airflow function (Draft prevention) *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	○	○	○
Selectable airflow pattern	○	—	○
High ceiling application	○	○	—

*1. Applicable when sensing panel is installed.

Round Flow Cassette Type

FXFQ-A

360° airflow for improved comfort

Circulation airflow*

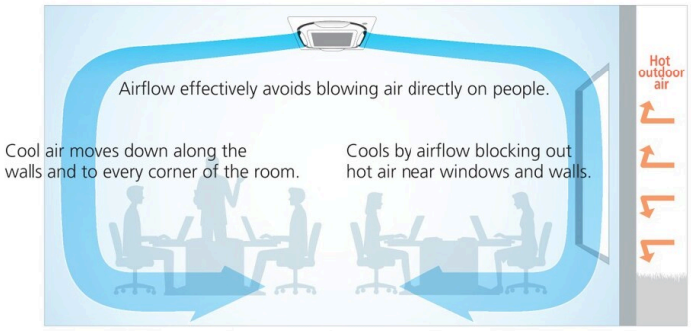
ROUND FLOW

Configurations of circulation airflow

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

Cooling

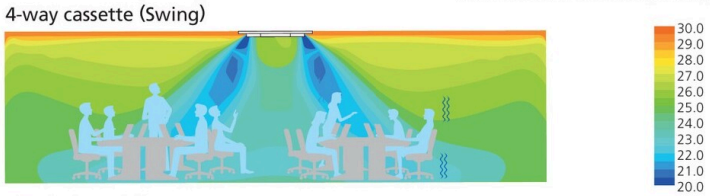
During 2-way horizontal flow



Comfort without cold air pockets at floor level.

Comparison Conditions
Room size: Width 7.5m x depth 7.5m x height 2.6m
Indoor unit capacity: 71 class
Outdoor air temperature: 35°C
Airflow rate and air direction: high / swing

4-way cassette (Swing)



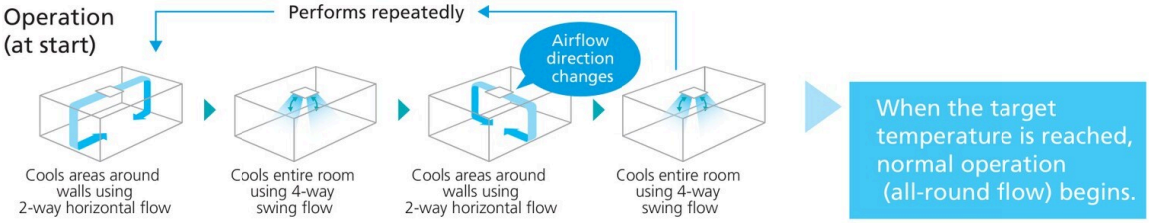
Circulation Airflow
(2-way horizontal + 4-way swing)

reduce uneven temperatures

* Calculated under the following comparison conditions:
When the average temperature at a height of 0.6m above the floor reaches set temperature. (26°C)

Operation (at start)

Performs repeatedly



Individual airflow direction control

* Applicable when wired remote controller BRC1E63 or BRC1H63W(K) is used.

Comfortable air conditioning for all room layouts and conditions

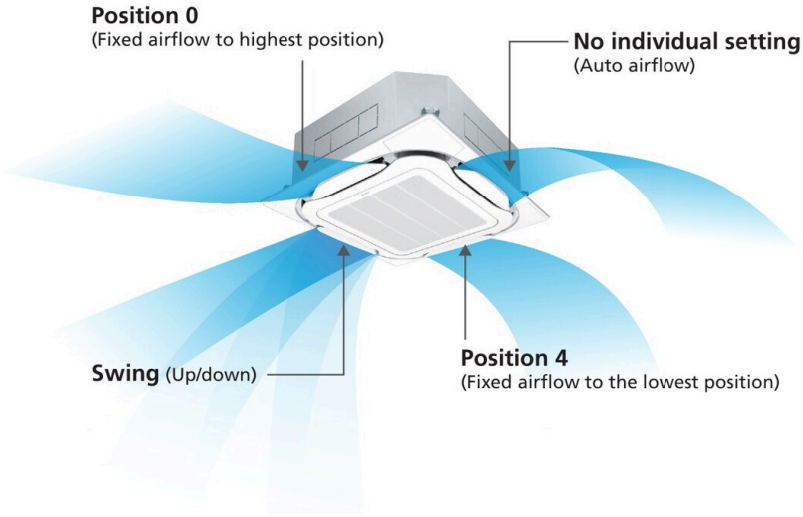
Easy setting is possible with a wired remote controller

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

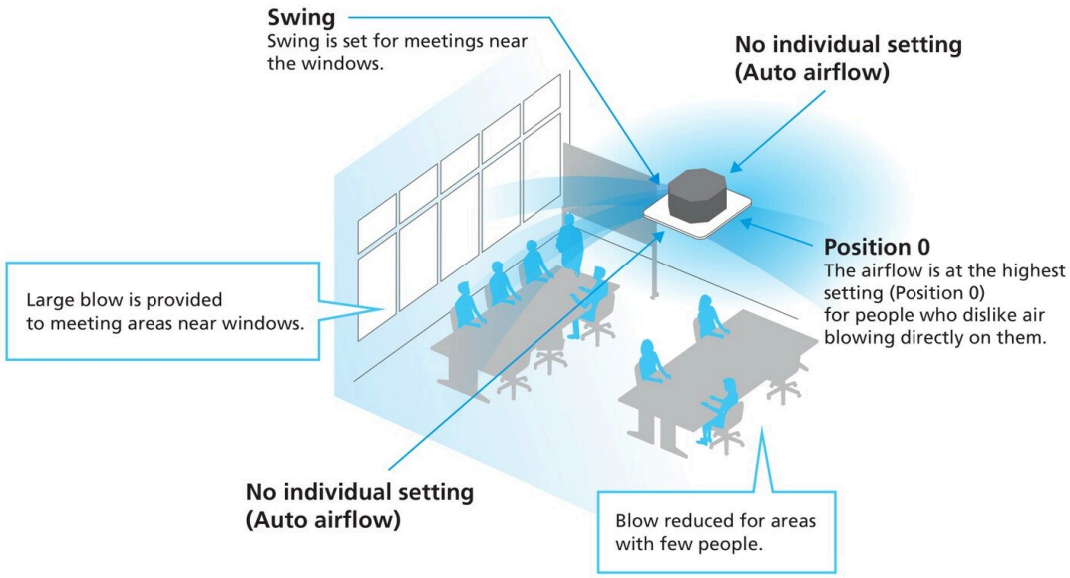
Individual airflow settings

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.



Comfort is provided to the entire room by individual setting corresponding to 4-way flow conditions.



Round Flow Cassette Type

Other functions

Comfort

From All-round flow to 2-way flow, various airflow patterns available.

All-round flow	3-way flow	L-shaped 2-way flow	Opposite 2-way flow
			
(E.g., installed in middle of ceiling) 4-way flow also possible.	(E.g., installed near a wall)	(E.g., installed in a corner)	(E.g., installed in a long room)

* 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.

Suitable for high ceilings

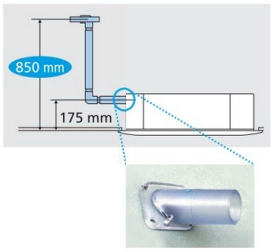
Even in spaces with high ceilings, a comfortable airflow is carried down to the floor level.

Quick and easy installation

Installable in tight ceiling spaces

Min. of 261 mm* ceiling space when using standard panel.

* For FXFQ25-80A models.



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

Easy maintenance

Drain pan and drain water check

The condition of the drain pan and drain water can be checked by removing the suction grille and drain plug.

Just open the suction grille!

Note: For inquiries concerning auto grille panel installations, please contact your local dealer or Daikin representative.

Cleanliness

Silver ion anti-bacterial drain pan

Prevents the growth of slime, bacteria, and mould that cause odours and clogging.

* Drain pan should be changed once every two to three years.

Filter has anti-mould and antibacterial treatment

High Performance Prefilter (MERV 8) (Option) See page 123

This filter can catch more harmful substances in the air such as PM2.5.

BAF552A160

Decoration Panel (Option)

Standard panel

Standard panel
BYCQ125EAF (Fresh White)

Standard panel
BYCQ125EAK (Black)

New designer panel

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

Designer panel
BYCQ125EAPF (Fresh White)

Close to ideal styling
New designer panel

FLAT
Flatter styling:
Suction panel grid texture smoothed.

CLEAN
Clean-cut form:
Soiling is hard to see on smart-looking panel.

ROUND
Subtle distinction:
around suction inlets silvering is a tasteful touch.

Auto grille panel

Grille and air filter cleaning can be performed without need for a stepladder by lowering the grille.

A dedicated remote controller for the auto grille panel is included.
Operation is not possible using other remote controllers.

Wireless Remote Controller

Grille panel can be lowered to a maximum of 3.9 m.
BYCQ125EBSF (Fresh White)

Specifications

MODEL			FXFQ25AVM	FXFQ32AVM	FXFQ40AVM	FXFQ50AVM	FXFQ63AVM	FXFQ80AVM	FXFQ100AVM	FXFQ125AVM	FXFQ140AVM
Power supply			1-phase, 220-240 V/220-230 V, 50/60 Hz								
Cooling capacity		Btu/h	9,600	12,300	15,400	19,100	24,200	30,700	38,200	47,800	54,600
		kW	2.8	3.6	4.5	5.6	7.1	9.0	11.2	14.0	16.0
Power consumption		kW	0.029		0.036	0.040	0.063	0.096	0.158	0.178	0.203
Casing			Galvanised steel plate								
Airflow rate (H/HM/M/ML/L)		m³/min	13/12.5/11.5/11/10		17/13.5/13/12/11	18/17/13.5/12.5/11	21/20/16/15/13.5	22.5/21.5/21/20/15	32/29/26/23/21	33/30.5/28/25.5/21	35.5/32.5/29.5/26.5/23
		cfm	459/441/406/388/353		600/477/459/424/388	635/600/477/441/388	741/706/565/530/477	794/759/741/706/530	1,130/1,024/918/812/741	1,165/1,077/988900/741	1,253/1,147/1,041/935/812
Sound level (H/HM/M/ML/L)		dB(A)	30/29.5/28.5/28/27		35/29.5/29/28/27	35/33.5/29.5/28.5/27	36/35.5/31.5/31/28	37/36.5/36/35.5/29.5	43/40.5/37.5/35/33	44/41.5/39/36.5/33	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)	mm	ϕ6.4				ϕ9.5				
	Gas (Flare)		ϕ12.7				ϕ15.9				
	Drain		VP25 (External Dia. 32/Internal Dia. 25)								

Notes: Specifications are based on the following conditions;
- Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Height 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.

Decoration Panel (Option)

Standard panel	Model		BYCQ125EAF (Fresh White) / BYCQ125EAK (Black)
	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		BYCQ125EBSF (Fresh White)
	Dimensions(H×W×D)	mm	105×950×950
	Weight	kg	8

Function List

Remote controller	Wired		Wireless
	BRC1E63	BRC1H63W(K)	BRC7M635F(K)
Circulation airflow	○	—	—
Individual airflow direction control	○	○	—
Switchable 5 step fan speed	○	○	○
Auto airflow rate	○	○	○
Auto swing	○	○	○
Selectable airflow pattern	○	○	○
High ceiling application	○	○	—

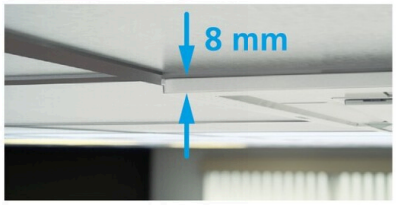
Compact Multi Flow Cassette Type

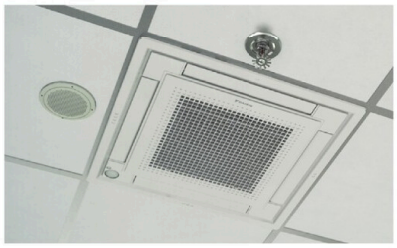
FXZQ-B

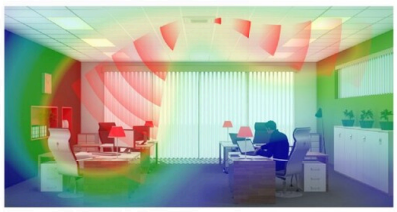
Quiet, compact, and designed for user comfort

Compact & elegant design

- Fully-flat integration in standard architectural ceiling tiles, leaving only 8 mm
- 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

Dual sensors (Option)

- 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*

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

*Applicable when wired remote controller BRC1E63 or BRC1H63W(K) is used.

Auto swing (up/down)

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

Cleanliness

Streamer filter clean unit (Option)

See page 27-28

Daikin Streamer technology enhances maximum efficiency in cleaning, which uses powerful decomposition properties to decompose substances captured by the filter for better air quality.

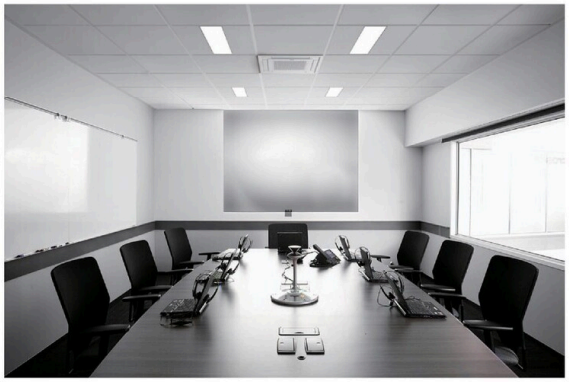
Remarks:
1) Only the stylish remote controller BRC1H63W(K) can be connected for ON/OFF operation of the streamer.
2) The Streamer function operates only when the fan and air conditioning operation are stopped. The maximum operation of Streamer is 180 minutes per day.

STREAMER

BAPW55A61

Ceiling soiling prevention

- Prevents air from blowing against the ceiling to prevent ceiling stains.



Specifications

MODEL			FXZQ20BVM	FXZQ25BVM	FXZQ32BVM	FXZQ40BVM	FXZQ50BVM
Power supply			1-phase, 220-240 V/220-230 V, 50/60 Hz				
Cooling capacity		Btu/h	7,500	9,600	12,300	15,400	19,100
		kW	2.2	2.8	3.6	4.5	5.6
Power consumption		kW	0.043		0.045	0.059	0.092
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	11.5/9.5/8.0	14.5/12.5/10.0
		cfm	307/265/229	318/282/229	353/300/247	406/335/282	512/441/353
Sound level (H/M/L)		dB(A)	32.0/29.5/25.5	33.0/30.0/25.5	33.5/30.0/26.0	37.0/32.0/28.0	43.0/40.0/33.0
Sound power (H)		dB(A)	49	50	51	54	60
Dimensions (H×W×D)		mm	260×575×575 (For depth add 63 mm for electrical box)				
Machine weight		kg	15.5		16.5		18.5
Piping connections	Liquid (Flare)	mm	ϕ6.4				
	Gas (Flare)		ϕ12.7				
	Drain		VP20 (External Dia. 26/Internal Dia. 20)				

Notes: Specifications are based on the following conditions;
- Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Height 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.

Panel (Option)

Panel type		Grid ceiling panel	Decoration panel
Appearance			
Model		BYFQ60CAW	BYFQ60B3W1
Colour		White (N9.5)	White (6.5Y9.5/0.5)
Dimensions (H×W×D)	mm	46×620×620	55×700×700
Weight	kg	2.8	2.7

Double Flow Cassette Type

FXCQ-B

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

Stylish design

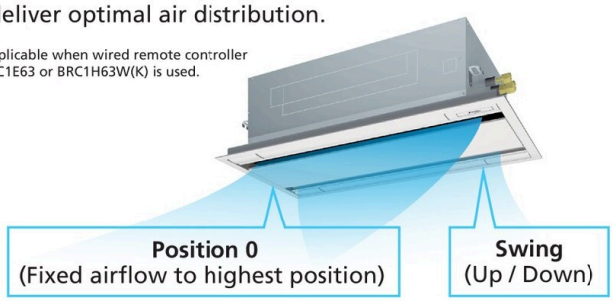
- Stylish unit blends easily with any interior.
- The flat flaps close entirely when the unit is not operating and there are no air intake grilles visible.
- Depth of all units is 620 mm, ideal for narrow spaces

Comfort

Individual airflow direction control*

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

*Applicable when wired remote controller BRC1E63 or BRC1H63W(K) is used.



Individual airflow settings

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

Individual settings are possible as stated above.

5-step & auto airflow control

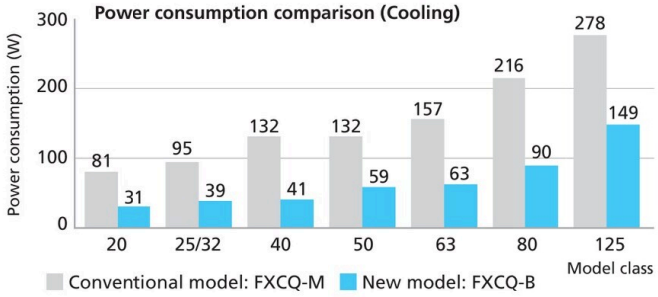
- Control of airflow rate has been improved from 3-step to 5-step. Auto airflow rate is newly available.

Suitable for high ceilings

- Even in spaces with high ceilings maximum 3.5 m, a comfortable airflow is carried down to the floor level.

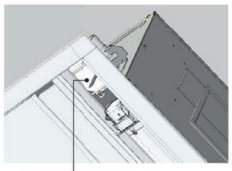
Energy saving

- Power consumption is significantly reduced by specially developed small tube heat exchanger and DC fan motor.



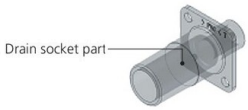
Easy maintenance

- The flap parts are easy to clean because it is hard to condensate and get dirty.
- Check contamination in drain pan by simply removing suction grille and panel.
- Adjuster pockets mount at four corners of the unit enable to adjust the main unit without removing the panel.



Flexible installation

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



Cleanliness

Streamer filter clean unit (Option)

See page 27-28

Daikin Streamer technology enhances maximum efficiency in cleaning, which uses powerful decomposition properties to decompose substances captured by the filter for better air quality.

Remarks:
1) Only the stylish remote controller BRC1H63W(K) can be connected for ON/OFF operation of the streamer.
2) The Streamer function operates only when the fan and air conditioning operation are stopped. The maximum operation of Streamer is 180 minutes per day.

STREAMER

BAPW55A61

Silver ion anti-bacterial drain pan

- Prevents the growth of slime, bacteria, and mould that cause odours and clogging.

* Drain pan should be changed once every two to three years.

Filter has anti-mould and antibacterial treatment

Specifications

MODEL			FXCQ20BVM	FXCQ25BVM	FXCQ32BVM	FXCQ40BVM	FXCQ50BVM	FXCQ63BVM	FXCQ80BVM	FXCQ125BVM
Power supply			1-phase, 220-240 V/220-230 V, 50/60 Hz							
Cooling capacity		Btu/h	7,500	9,600	12,300	15,400	19,100	24,200	30,700	47,800
		kW	2.2	2.8	3.6	4.5	5.6	7.1	9.0	14.0
Power consumption		kW	0.031	0.039		0.041	0.059	0.063	0.090	0.149
Casing			Galvanised steel plate							
Airflow rate (H/HM/M/ML/L)		m^3/min	10.5/9.5/9/8/7.5	11.5/10.5/9.5/8.5/8		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	371/335/318/282/265	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	1,130/1,041/971/883/794
Sound level (H/HM/M/ML/L)		dB(A)	32/31/30/29/28	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	46/44/42/40/38
Dimensions (H × W × D)		mm	305×775×620				305×990×620		305×1,445×620	
Machine weight		kg	19				22	25	33	38
Piping connections	Liquid (Flare)	mm	ϕ6.4					ϕ9.5		
	Gas (Flare)		ϕ12.7					ϕ15.9		
	Drain		VP25 (External Dia. 32/Internal Dia. 25)							
Panel (Option)	Model		BYBCQ40CF				BYBCQ63CF		BYBCQ125CF	
	Colour		Fresh white (6.5Y 9.5/0.5)							
	Dimensions (HxWxD)	mm	55×1,070×700				55×1,285×700		55×1,740×700	
	Weight	kg	10				11		13	

Notes: Specifications are based on the following conditions;
- Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Height 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.

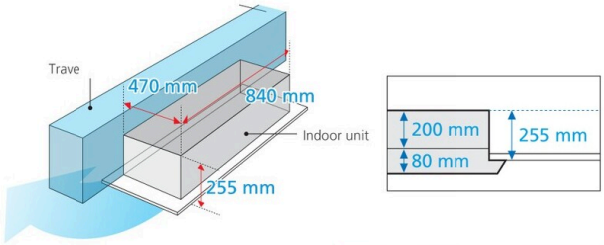
Single Flow Cassette Type

FXEQ-A

Slim design for flexible installation

Slim design

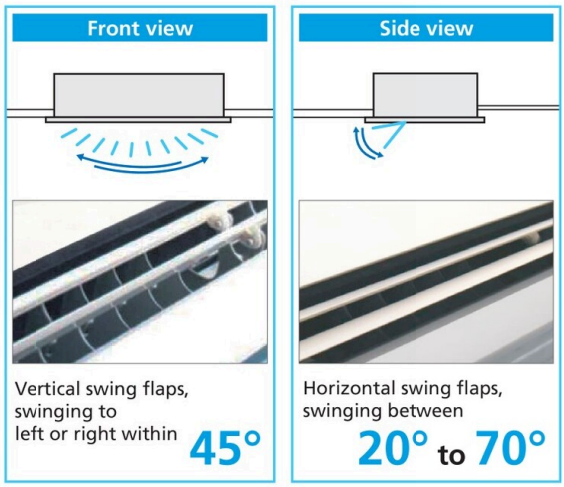
- The body features a compact design with a height of just 200 mm and depth 470 mm, making the installation possible in tight ceiling spaces.



- The novel smooth panel design makes dust difficult to accumulate, thus causing the cleaning more conveniently.

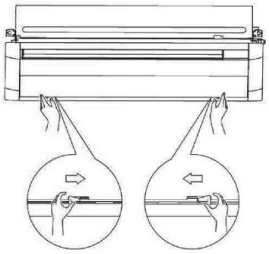
Comfort

- The swinging of horizontal and vertical swing flaps can be adjusted freely with the remote controller, providing 3D airflow to every corner of the room.
- Control of airflow rate can be selected from 5-step control, Automatic and quiet operation mode, which provides comfortable airflow.
- DC motor is adopted both in the fan and drain pump of the indoor unit, not only enhancing the energy saving performance, but also reducing the operating sound and the vibration incurred to the unit.
- While creating a cozy indoor environment, the unit can prevent the suspended ceiling from being soiled by adjusting its louvre angle.



Easy maintenance

- Drain pump is equipped as standard accessory with 850 mm lift.
- Maintenance operations can be performed by removing the front panel.



Specifications

MODEL			FXEQ20AV36	FXEQ25AV36	FXEQ32AV36	FXEQ40AV36	FXEQ50AV36	FXEQ63AV36
Power supply			1-phase, 220-240 V, 50 Hz					
Cooling capacity		Btu/h	7,500	9,600	12,300	15,400	19,100	24,200
		kW	2.2	2.8	3.6	4.5	5.6	7.1
Power consumption		kW	0.026	0.027	0.034	0.046	0.048	0.067
Casing			Galvanised steel plate					
Airflow rate (H/HM/M/ML/L)		m^3/min	6.0/5.4/4.9/4.4/4.0	6.9/6.4/5.8/5.3/4.8	8.0/7.5/7.0/6.3/5.5	9.8/8.8/7.8/7.0/6.2	12.5/11.4/10.4/9.5/8.7	15.0/13.6/12.2/11.0/9.8
		cfm	212/191/173/155/141	244/226/205/187/169	282/265/247/222/194	346/311/275/247/219	441/402/367/335/307	530/480/431/388/346
Sound level (H/HM/M/ML/L)		dB(A)	30/29/28/27/26	32/31/30/29/28	35/34/33/32/30	38/37/35/33/31	38/37/35/33/31	43/41/39/37/35
Dimensions (H×W×D)		mm	200×840×470				200×1,240×470	
Machine weight		kg	17			18	23	
Piping connections	Liquid (Flare)	mm	ϕ6.4					ϕ9.5
	Gas (Flare)		ϕ12.7					ϕ15.9
	Drain		PVC26 (External Dia. 26/Internal Dia. 20)					
Panel (Option)	Model		BYEP40AW1				BYEP63AW1	
	Colour		Fresh white					
	Dimensions(H×W×D)	mm	80×950×550				80×1,350×550	
	Weight	kg	8.0				10.0	

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

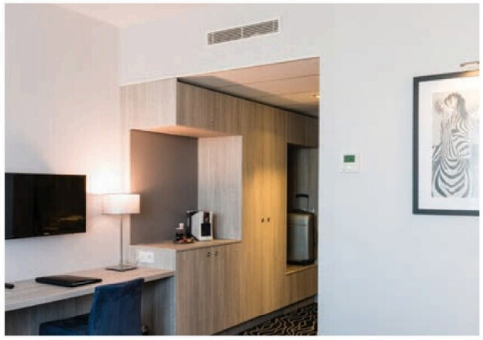
Slim Duct (Standard) Type

FXDQ-PD / ND

Slim design, quietness and ideal for drop-ceilings

Comfort

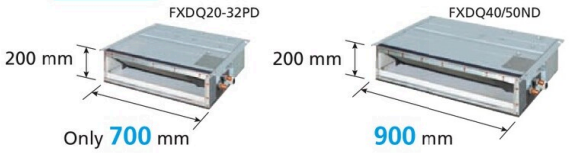
- Control of the airflow rate can be selected from 3-step control and Auto. Auto airflow rate control can be selected with wired remote controller.
- Low operation sound level: down to 23 dB(A)



Installation flexibility

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

Great for hotel use!



*1,100 mm in width for the FXDQ63ND model.

Specifications

MODEL	with drain pump		FXDQ20PDVE	FXDQ25PDVE	FXDQ32PDVE	FXDQ40NDVE	FXDQ50NDVE	FXDQ63NDVE
Power supply			1-phase, 220-240 V/220 V, 50/60 Hz					
Cooling capacity		Btu/h	7,500	9,600	12,300	15,400	19,100	24,200
		kW	2.2	2.8	3.6	4.5	5.6	7.1
Power consumption (FXDQ-PD/NDVE) *1		kW	0.086		0.089	0.160	0.165	0.181
Casing			Galvanised steel plate					
Airflow rate (HH/H/L)		m³/min	8.0/7.2/6.4			10.5/9.5/8.5	12.5/11.0/10.0	16.5/14.5/13.0
		cfm	282/254/226			371/335/300	441/388/353	583/512/459
External static pressure		Pa	30-10 *2			44-15 *2		
Sound level (HH/H/L) *1 *3		dB(A)	28/26/23		28/26/24	30/28/26	33/30/27	33/31/29
Dimensions (H×W×D)		mm	200×700×620			200×900×620		200×1,100×620
Machine weight		kg	23			27	28	31
Piping connections	Liquid (Flare)	mm	ϕ6.4					ϕ9.5
	Gas (Flare)		ϕ12.7					ϕ15.9
	Drain		VP20 (External Dia. 26/Internal Dia. 20)					

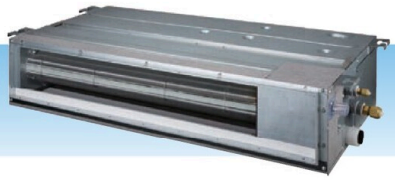
Notes: Specifications are based on the following conditions;
- Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Height difference: 0 m.
- Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index. (See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

*1: Values are based on the following conditions: FXDQ-PD: external static pressure of 10 Pa; FXDQ-ND: external static pressure of 15 Pa.
*2: External static pressure is changeable to set by the remote controller. This pressure means "High static pressure - Standard". (Factory setting is 10 Pa for FXDQ-PD models and 15 Pa for FXDQ-ND models.)
*3: The values of operation sound level represent those for rear-suction operation. Sound level values for bottom-suction operation can be obtained by adding 5 dB(A).

Slim Duct (Compact) Type

FXDQ-SP

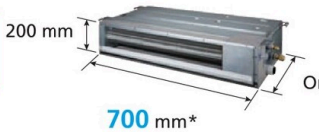
Slim and compact design for easy and flexible installation



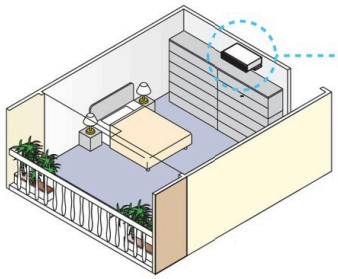
Installation flexibility

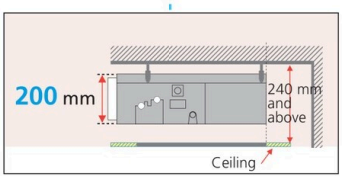
- Slim and compact design with a height of only 200 mm and the depth of only 450 mm which is suitable to install in limited spaces.

Great for residential use

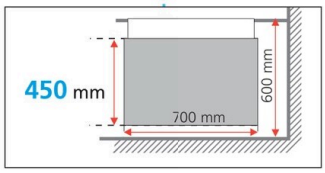


*For FXDQ20-32SP models





Side view



Top view

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

Specifications

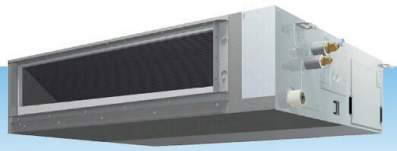
MODEL			FXDQ20SPV1	FXDQ25SPV1	FXDQ32SPV1	FXDQ40SPV1	FXDQ50SPV1	FXDQ63SPV1
Power supply			1-phase, 220-240 V, 50 Hz					
Cooling capacity		Btu/h	7,500	9,600	12,300	15,400	19,100	24,200
		kW	2.2	2.8	3.6	4.5	5.6	7.1
Power consumption *1		kW	0.072	0.075	0.078	0.180		0.196
Casing			Galvanised steel plate					
Airflow rate (HH/H/L)		m^3/min	8.7/7.6/6.5	9.0/8.0/7.0	10.0/9.0/8.0	15.0/13.0/10.5		20.0/16.0/12.5
		cfm	307/268/229	318/282/247	353/318/282	530/459/371		706/565/441
External static pressure		Pa	30-10 *2			50-20 *2		40-20 *2
Sound level (HH/H/L) *1 *3		dB(A)	33/31/29		34/32/30	35/33/31		37/35/33
Dimensions (H×W×D)		mm	200×700×450			200×900×450		200×1,100×450
Machine weight		kg	17			20		23
Piping connections	Liquid (Flare)	mm	ϕ6.4					ϕ9.5
	Gas (Flare)		ϕ12.7					ϕ15.9
	Drain		VP20 (External Dia. 26/Internal Dia. 20)					

Notes: Specifications are based on the following conditions;
- Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 5 m, Height difference: 0 m.
- Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index. (See Engineering Data Book for details.)
- Sound level: Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre.
  During actual operation, these values are normally somewhat higher as a result of ambient conditions.

*1: Values are based on the following conditions: FXDQ20-32SP: external static pressure of 10 Pa; FXDQ40-63SP: external static pressure of 20 Pa.
*2: External static pressure is changeable to set by the remote controller. This pressure means "High static pressure - Standard".
(Factory setting is 10 Pa for FXDQ20-32SP models and 20 Pa for FXDQ40-63SP models.)
*3: The values of operation sound level represent those for rear-suction operation. Sound level values for bottom-suction operation can be obtained by adding 5 dB(A).

Middle Static Pressure Duct Type

FXSQ-PA



Middle static pressure and slim design allow flexible installations

Design flexibility

Adjustable external static pressure

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

Adjustable external static pressure

30 Pa* — 150 Pa

* 30 Pa–150 Pa for FXSQ20-40PAVE
50 Pa–150 Pa for FXSQ50-125PAVE
50 Pa–140 Pa for FXSQ140PAVE

Installation flexibility

Slim design

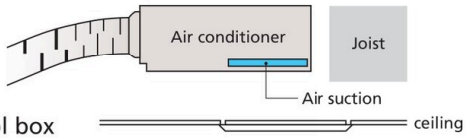
- With a height of only 245 mm, installation is possible even in buildings with narrow ceiling spaces.

Standard DC drain pump

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

Bottom suction possible

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

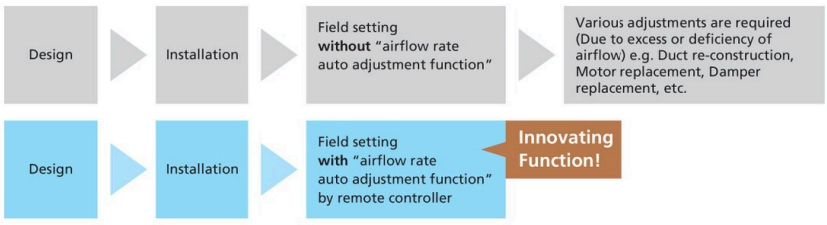


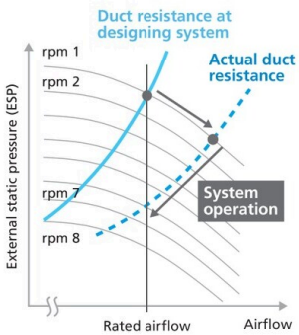
Easy installation

"Airflow rate auto adjustment function" at field setting

(local setting by remote controller)

*This function can only be set via wired remote controller.





<Mechanism>
1. During field setting, power input of DC fan is detected.
2. External static pressure is estimated from power input of DC fan because PCB of FXSQ-PA has table of external static pressure vs. power input of DC fan.
3. Actual duct resistance is calculated according to 1 and 2.
4. Fan speed is automatically adjusted to produce rated airflow.

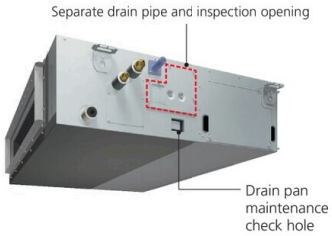
Notes: "Airflow rate auto adjustment function" can be adjusted within ±10% of rated airflow. (Refer to Engineering Data Book for details)
"Airflow rate auto adjustment function" should be used at field setting only.

Comfort

- Control of the airflow rate can be selected from 3-step control. Auto airflow rate control can be selected with wired remote controller.
- Lower sound level: down to 28 dB(A)

Easy maintenance

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



Cleanliness

Silver ion anti-bacterial drain pan

- Prevents the growth of slime, bacteria, and mould that cause odours and clogging.

* Drain pan should be changed once every two to three years.

Filter has anti-mould and antibacterial treatment

Specifications

MODEL			FXSQ20PAVE	FXSQ25PAVE	FXSQ32PAVE	FXSQ40PAVE	FXSQ50PAVE
Power supply			1-phase, 220-240 V/220 V, 50/60 Hz				
Cooling capacity		Btu/h	7,500	9,600	12,300	15,400	19,100
		kW	2.2	2.8	3.6	4.5	5.6
Power consumption		kW	0.058*1		0.066*1	0.101*1	0.075*1
Casing			Galvanised steel plate				
Airflow rate (H/M/L)		m^3/min	9/7.5/6.5		9.5/8/7	15/12.5/10.5	17/14.5/11.5
		cfm	318/265/230		335/282/247	530/441/371	600/512/406
External static pressure		Pa	30-150 (50) *2				50-150 (50) *2
Sound level (H/M/L)		dB(A)	33/30/28		34/32/30	36/33/30	34/32/29
Dimensions (H×W×D)		mm	245×550×800			245×700×800	245×1,000×800
Machine weight		kg	25			27	35
Piping connections	Liquid (Flare)	mm	ϕ6.4				
	Gas (Flare)		ϕ12.7				
	Drain		VP25 (External Dia. 32/Internal Dia. 25)				

MODEL			FXSQ63PAVE	FXSQ80PAVE	FXSQ100PAVE	FXSQ125PAVE	FXSQ140PAVE
Power supply			1-phase, 220-240 V/220 V, 50/60 Hz				
Cooling capacity		Btu/h	24,200	30,700	38,200	47,800	54,600
		kW	7.1	9.0	11.2	14.0	16.0
Power consumption		kW	0.106*1	0.126*1	0.151*1	0.206*1	0.222*1
Casing			Galvanised steel plate				
Airflow rate (H/M/L)		m^3/min	21/17.5/14.5	23/19.5/16	32/27/22.5	37/31.5/26	39/33.5/28
		cfm	741/618/512	812/688/565	1,130/953/794	1,306/1,112/918	1,377/1,183/988
External static pressure		Pa	50-150 (50) *2				50-140 (50) *2
Sound level (H/M/L)		dB(A)	36/32/29	37.5/34/30	39/35/32	42/38.5/35	43/40/36
Dimensions (H×W×D)		mm	245×1,000×800		245×1,400×800		245×1,550×800
Machine weight		kg	35	37	46	47	52
Piping connections	Liquid (Flare)	mm	ϕ9.5				
	Gas (Flare)		ϕ15.9				
	Drain		VP25 (External Dia. 32/Internal Dia. 25)				

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

*1: Power consumption values are based on conditions of rated external static pressure.
*2: External static pressure can be modified using a remote controller that offers thirteen (FXSQ20-40PA), eleven (FXSQ50-125PA) or ten (FXSQ140PA) levels of control. These values indicate the lowest and highest possible static pressures. The rated static pressure is 50 Pa.

Middle-High Static Pressure Duct Type

FXMQ-PA

Middle and high static pressure allows for flexible duct design

Design flexibility

Using a DC fan motor, the external static pressure can be controlled within a range of 30 Pa* to 200 Pa*.

Adjustable external static pressure

30 Pa* — 200 Pa

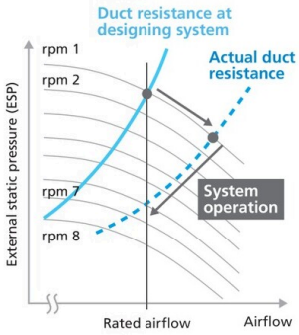
*30 Pa – 100 Pa for FXMQ20PA-32PA
*30 Pa – 160 Pa for FXMQ40PA
*50 Pa – 200 Pa for FXMQ50PA-125PA
*50 Pa – 140 Pa for FXMQ140PA

Easy installation

"Airflow rate auto adjustment function" at field setting
(local setting by remote controller)

*This function is not available with FXMQ140PAVE.
*This function can only be set via wired remote controller.

Design	Installation	Field setting **without** "airflow rate auto adjustment function"	Various adjustments are required (Due to excess or deficiency of airflow) e.g. Duct re-construction, Motor replacement, Damper replacement, etc.
Design	Installation	Field setting **with** "airflow rate auto adjustment function" by remote controller	**Innovating Function!**



<Mechanism>
1. During field setting, power input of DC fan is detected.
2. External static pressure is estimated from power input of DC fan because PCB of FXMQ-PA has table of external static pressure vs. power input of DC fan.
3. Actual duct resistance is calculated according to 1 and 2.
4. Fan speed is automatically adjusted to produce rated airflow.

Notes: "Airflow rate auto adjustment function" can be adjusted within ±10% of rated airflow. (Refer to Engineering Data Book for details)
"Airflow rate auto adjustment function" should be used at field setting only.

- All models are only 300 mm in height and the weight of the FXMQ40-140PA has been reduced.
- Drain pump is equipped as standard accessory with 700 mm lift.

Comfort

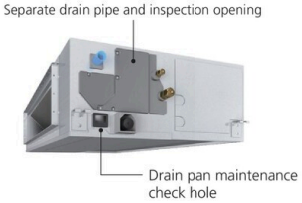
- Control of the airflow rate can be selected from 3-step control and Auto. Auto airflow rate control can be selected with wired remote controller.
- Low operation sound level: down to 29 dB(A)

Energy saving

- DC fan motor is used to realise energy-saving operation.

Easy maintenance

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



Cleanliness

Silver ion anti-bacterial drain pan

Prevents the growth of slime, bacteria, and mould that cause odours and clogging.

*Drain pan should be changed once every two to three years.

Filter has anti-mould and antibacterial treatment

Specifications

MODEL			FXMQ20PAVE	FXMQ25PAVE	FXMQ32PAVE	FXMQ40PAVE	FXMQ50PAVE
Power supply			1-phase, 220-240 V/220 V, 50/60 Hz				
Cooling capacity		Btu/h	7,500	9,600	12,300	15,400	19,100
		kW	2.2	2.8	3.6	4.5	5.6
Power consumption		kW	0.056 *1		0.060 *1	0.151 *1	0.128 *1
Casing			Galvanised steel plate				
Airflow rate (HH/H/L)		m^3/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			30-160 (100) *2	50-200 (100) *2
Sound level (HH/H/L)		dB(A)	33/31/29		34/32/30	39/37/35	41/39/37
Dimensions (H×W×D)		mm	300x550x700			300x700x700	300x1,000x700
Machine weight		kg	25			27	35
Piping connections	Liquid (Flare)	mm	ϕ6.4				
	Gas (Flare)		ϕ12.7				
	Drain		VP25 (External Dia. 32/Internal Dia. 25)				

MODEL			FXMQ63PAVE	FXMQ80PAVE	FXMQ100PAVE	FXMQ125PAVE	FXMQ140PAVE
Power supply			1-phase, 220-240 V/220 V, 50/60 Hz				
Cooling capacity		Btu/h	24,200	30,700	38,200	47,800	54,600
		kW	7.1	9.0	11.2	14.0	16.0
Power consumption		kW	0.138 *1	0.185 *1	0.215 *1	0.284 *1	0.405 *1
Casing			Galvanised steel plate				
Airflow rate (HH/H/L)		m^3/min	19.5/17.5/16	25/22.5/20	32/27/23	39/33/28	46/39/32
		cfm	688/618/565	883/794/706	1,130/953/812	1,377/1,165/988	1,624/1,377/1,130
External static pressure		Pa	50-200 (100) *2				50-140 (100) *2
Sound level (HH/H/L)		dB(A)	42/40/38	43/41/39		44/42/40	46/45/43
Dimensions (H×W×D)		mm	300×1,000×700		300×1,400×700		
Machine weight		kg	35		45		46
Piping connections	Liquid (Flare)	mm	ϕ9.5				
	Gas (Flare)		ϕ15.9				
	Drain		VP25 (External Dia. 32/Internal Dia. 25)				

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

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

*2: External static pressure can be modified using a remote controller that offers seven (FXMQ20-32PA), thirteen (FXMQ40PA), fourteen (FXMQ50-125PA) or ten (FXMQ140PA) levels of control.
These values indicate the lowest and highest possible static pressures. The rated static pressure is 50 Pa for FXMQ20-32PA and 100 Pa for FXMQ40-140PA.

High Static Pressure Duct Type

FXMQ-M

High static pressure allows for flexible duct design.

Simplified static pressure control

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

Built-in drain pump (option)

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

MODEL			FXMQ200MVE9	FXMQ250MVE9
Power supply			1-phase, 220-240 V/220 V, 50/60 Hz	
Cooling capacity		Btu/h	76,400	95,500
		kW	22.4	28.0
Power consumption		kW	1.294★1	1.465★1
Casing			Galvanised steel plate	
Airflow rate (H/L)		m³/min	58/50	72/62
		cfm	2,047/1,765	2,542/2,189
External static pressure		Pa	132-221★2	191-270★2
Sound level (H/L)	220 V	dB(A)	48/45	
	240 V		49/46	
Dimensions (H×W×D)		mm	470×1,380×1,100	
Machine weight		kg	137	
Piping connections	Liquid (Flare)	mm	ϕ9.5	
	Gas (Brazing)		ϕ19.1	ϕ22.2
	Drain		PS1B	

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, Height difference: 0 m.
- Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index. (See Engineering Data Book for details.)
- Sound level: Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre. During actual operation, these values are normally somewhat higher as a result of ambient conditions.

★1: Power consumption values are based on conditions of standard external static pressure.
★2: External static pressure is changeable to change over the connectors inside electrical box, this pressure means "Standard-High static pressure".

High Static Pressure Duct Type

FXMQ-P

High static pressure allows for flexible duct design.

Design flexibility

Adjustable external static pressure

- Using a DC fan motor, the external static pressure can be controlled within a range of 50 Pa to 250 Pa.

Adjustable external static pressure

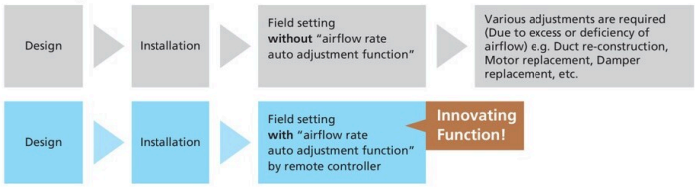
50 Pa — 250 Pa

Easy installation

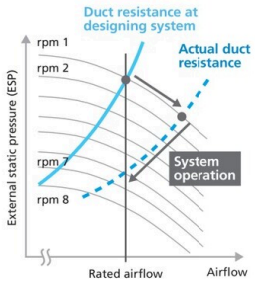
"Airflow rate auto adjustment function" at field setting

(local setting by remote controller)

*This function can only be set via wired remote controller.



<Mechanism>
1. During field setting, power input of DC fan is detected.
2. External static pressure is estimated from power input of DC fan because PCB of FXMQ-P has table of external static pressure vs. power input of DC fan.
3. Actual duct resistance is calculated according to 1 and 2.
4. Fan speed is automatically adjusted to produce rated airflow.



Notes: "Airflow rate auto adjustment function" can be adjusted within ±10% of rated airflow. (Refer to Engineering Data Book for details)
"Airflow rate auto adjustment function" should be used at field setting only.

Built-in pre-filter slot

- To cater for easy installation of filter at site, a filter rail is available at the return flange.

Easy maintenance

- Inspection and cleaning is facilitated by separating the inspection opening and the drain pan maintenance check hole.
- Heat exchanger, drain pan and fan deck can be easily accessed and removed from bottom for maintenance.

Specifications

MODEL			FXMQ200PVM	FXMQ250PVM
Power supply			1-phase, 220-240 V/220-230 V, 50/60 Hz	
Cooling capacity		Btu/h	76,400	95,500
		kW	22.4	28.0
Power consumption		kW	0.55 *1	0.67 *1
Casing			Galvanised steel plate	
Airflow rate (HH/H/L)		m^3/min	74/61/50	84/71/58
		cfm	2,612/2,153/1,765	2,965/2,506/2,047
External static pressure		Pa	50-250 (150) *2	50-250 (150) *2
Sound level (HH/H/L)		dB(A)	42/38/35	44/40/37
Dimensions (H × W × D)		mm	470×1,490×1,100	470×1,490×1,100
Machine weight		kg	95	105
Piping connections	Liquid (Flare)	mm	ϕ9.5	
	Gas (Flange)		ϕ19.1	ϕ22.2
	Drain		BSP1"	

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

*1: Power consumption values are based on conditions of rated external static pressure.
*2: External static pressure can be modified using a remote controller that offers fifteen levels of control.
These values indicate the lowest and highest possible static pressures.
The standard static pressure is 150 Pa.

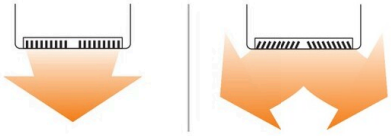
Ceiling Suspended Type

FXHQ-MA / B

Slim body with quiet and wide airflow

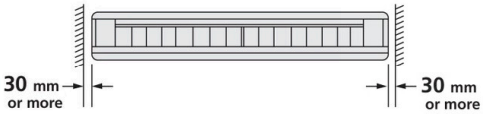
Comfort

- 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.

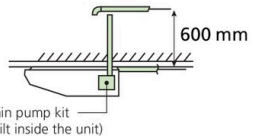


Installation flexibility

- Flexible installation
  The unit fits more snugly into tight spaces.
- Drain pump kit (option) can be easily incorporated.
  Drain pipe connection can be done inside the unit.
  Refrigerant and drain pipe outlets are at the same opening.
- All wiring and internal servicing can be done from under the unit.

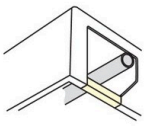


*Water used in the test-run can be drained from the air discharge opening rather than from the side as was formerly the case.



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: maximum 4.3 m
- Control of the airflow rate can be selected from 3-step control.
- 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.
- The rear side removable frame allows ease of access for piping work.



Cleanliness

Streamer filter clean unit (Option) for new 125 / 140 models

See page 27-28

Daikin Streamer technology enhances maximum efficiency in cleaning, which uses powerful decomposition properties to decompose substances captured by the filter for better air quality.

Remarks:
1) Only the stylish remote controller BRC1H63W(K) can be connected for ON/OFF operation of the streamer.
2) The Streamer function operates only when the fan and air conditioning operation are stopped. The maximum operation of Streamer is 180 minutes per day.

STREAMER

BAPW55A61

Specifications

MODEL			FXHQ32MAVE	FXHQ63MAVE	FXHQ100MAVE	FXHQ125BVM	FXHQ140BVM
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
Power consumption		kW	0.111	0.115	0.135	0.168	0.181
Casing			White (10Y9/0.5)			Sheet Metal / White	
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)		dB(A)	36/-/31	39/-/34	45/-/37	46/41/37	48/42/37
Dimensions (H × W × D)		mm	195×960×680	195×1,160×680	195×1,400×680	235×1,590×690	
Machine weight		kg	24	28	33	41	
Piping connections	Liquid (Flare)	mm	ϕ6.4	ϕ9.5			
	Gas (Flange)		ϕ12.7	ϕ15.9			
	Drain		VP20 (External Dia. 26/Internal Dia. 20)				

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

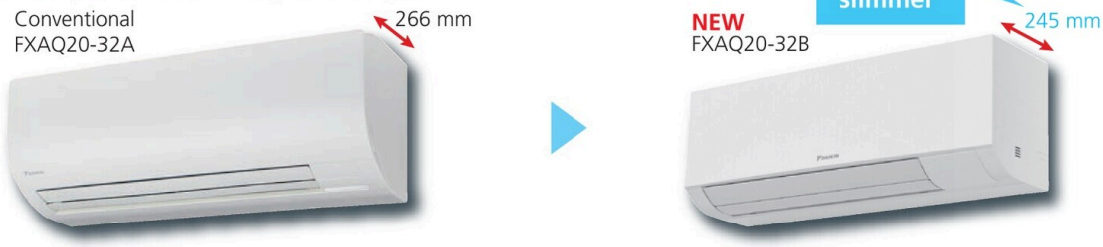
Wall Mounted Type

New FXAQ-B

Slim and stylish flat panel design harmonised with your interior décor

Slim and stylish design

- Slim and stylish flat panel design creates a graceful harmony that enhances any interior space.

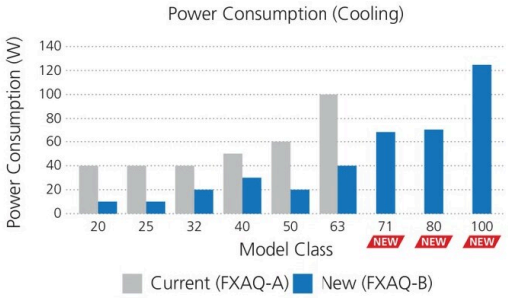


Wide capacity lineup

New 71/80/100 models provide greater capacity for large spaces.

Energy savings

New FXAQ-B provides greater energy saving due to the significantly lower power consumption.



Cleanliness

Streamer discharge unit (Option)

See page 27-28

Patented Streamer Technology decomposes and removes allergens

STREAMER

Streamer discharge attacks bacteria, mold and virus captured on the filter by irradiating them with an advanced plasma electric discharge.

The streamer function operates automatically without light indication when the air conditioner is on and deactivates when the air conditioner is off.

Air quality filter (Enzyme blue / PM2.5) (Option)

Combination of the Enzyme blue deodorizing filter and the PM2.5 dust collection filter

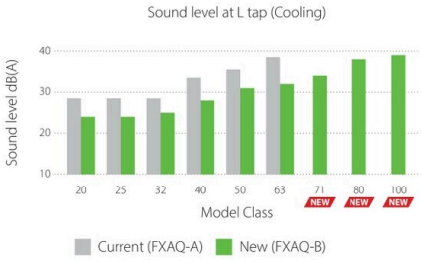
Enzyme blue deodorizing filter traps microscopic particles, decomposes odor and even deactivates bacteria. Eliminate odor, allergen, bacteria and virus.

PM2.5 dust collection filter removes particles that are size of 2.5 micrometers (μm) and above, such as particles like dusts, pollens and mold which are small enough to be inhaled into our lungs.

Comfort

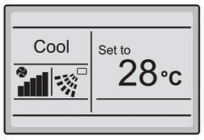
Lower sound level NEW

- Whisper quiet in operation, with sound levels as low as 24 dB(A)*
  *Sound level for FXAQ20-25B
- New fan and operate valve with bubble crusher help enable low operation sound.



5-step airflow control NEW

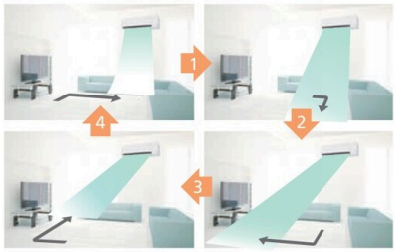
Control of airflow rate has been improved from 2-step to 5-step. Auto airflow rate is also available. This wide range allows you to conveniently control the fan according to your individual needs.



3D airflow* NEW

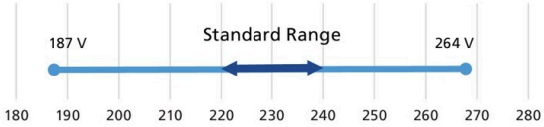
3D airflow combines vertical and horizontal Auto-Swing to reduce indoor temperature fluctuation. This function ensures air circulation throughout the entire room, providing consistent cooling even in large areas.

*3D airflow is not available with BRC2E61.



Voltage fluctuation guard

FXAQ-B series operates from 187 V to 264 V due to the new Super PCB, increasing durability and resistance to power surges.



Specifications

MODEL			FXAQ20BVM	FXAQ25BVM	FXAQ32BVM	FXAQ40BVM	FXAQ50BVM	FXAQ63BVM	FXAQ71BVM NEW	FXAQ80BVM NEW	FXAQ100BVM NEW
Power supply			1-phase, 220-240 V/220-230 V, 50/60 Hz								
Cooling capacity		Btu/h	7,500	9,600	12,300	15,400	19,100	24,200	27,300	30,700	38,200
		kW	2.2	2.8	3.6	4.5	5.6	7.1	8.0	9.0	11.2
Power consumption		kW	0.010	0.010	0.020	0.030	0.020	0.040	0.068	0.070	0.125
Casing / Colour			Resin / White N9.5								
Airflow rate (H/HM/M/ML/L)		m³/min	7/6.6/6.2/ 5.7/5.3	8/7.4/6.8/ 6.1/5.5	10/9.2/8.3/ 7.2/6.5	13.5/11.7/11/ 9.4/7.7	14/13/12/ 11/10	18/16.5/14.9/ 13.2/11.8	19.5/18.1/16.7/ 15.3/13.8	27/24/21/ 20/19	31/27/23/ 21/19
		cfm	247/233/219/ 201/187	282/261/240/ 215/194	353/325/293/ 254/229	477/413/388/ 332/272	494/459/424/ 388/353	635/582/526/ 466/417	688/639/590/ 540/487	953/848/742/ 706/671	1,095/953/812/ 742/671
Sound level (H/HM/M/ML/L)		dB(A)	28.5/27/26/ 25/24	29/28/26/ 25/24	34/31/29/ 26/25	41/37/35/ 31/28	39/37/35/ 32/31	41/39/37/ 34/32	47/44/39/ 37/34	47.5/46/44/ 43/41	53.5/50/46/ 43.5/41
Dimensions (H×W×D)		mm	295×858×245				295×1,120×245			325×1,260×260	
Machine weight		kg	12				16			21	
Piping connections	Liquid	mm	ϕ6.4					ϕ9.5			
	Gas		ϕ12.7					ϕ15.9			
	Drain		VP14 (External Dia. 16, Internal Dia. 14)								

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, Height difference: 0 m.
- Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index. (See Engineering Data Book for details)
- Sound level: Anechoic chamber conversion value, measured at a point 1 m in front of the unit and 1 m downward.
  During actual operation, these values are normally somewhat higher as a result of ambient conditions.

Floor Standing Type

FXLQ-MA

Suitable for perimeter zone air conditioning

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

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

Specifications

MODEL			FXLQ20MAVE	FXLQ25MAVE	FXLQ32MAVE	FXLQ40MAVE	FXLQ50MAVE	FXLQ63MAVE
Power supply			1-phase, 220-240 V/220 V, 50/60 Hz					
Cooling capacity		Btu/h	7,500	9,600	12,300	15,400	19,100	24,200
		kW	2.2	2.8	3.6	4.5	5.6	7.1
Power consumption		kW	0.049		0.090		0.110	
Casing			Ivory white (5Y7.5/1)					
Airflow rate (H/L)		m³/min	7/6		8/6	11/8.5	14/11	16/12
		cfm	247/212		282/212	388/300	494/388	565/424
Sound level (H/L)	220 V	dB(A)	35/32			38/33	39/34	40/35
	240 V		37/34			40/35	41/36	42/37
Dimensions (H × W × D)		mm	600×1,000×222		600×1,140×222		600×1,420×222	
Machine weight		kg	25		30		36	
Piping connections	Liquid (Flare)	mm	ϕ6.4					ϕ9.5
	Gas (Flare)		ϕ12.7					ϕ15.9
	Drain		21O.D.					

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

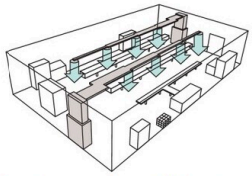
Floor Standing Duct Type

FXVQ-N

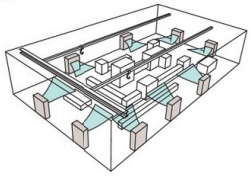
Large airflow type for large spaces

- Full-scale duct connection airflow allows for air conditioning evenly in spacious areas.
- Adding the plenum chamber (option) allows for simple operation with direct airflow.

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



Duct connection airflow type



Direct airflow type

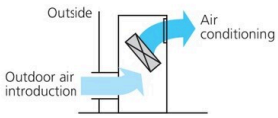
- The belt drive system allows for use of air discharge outlets in various shapes as well as long ducts.
- A long-life filter (maintenance free up to one year*) is equipped as a standard accessory.

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

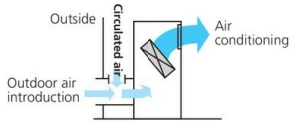
- A wide range of optional accessories are available such as high-efficiency filters.
- Outdoor air intake mode is useable as an outdoor-air processing air conditioner.

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

All-fresh (using outdoor air only) system



Return + Outdoor air mixed system



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

Specifications

MODEL			FXVQ125NY1	FXVQ200NY1	FXVQ250NY1	FXVQ400NY1	FXVQ500NY1	FXVQ500NY16
Power supply			3-phase 4-wire system, 380–415 V, 50 Hz					
Cooling capacity		Btu/h	47,800	76,400	95,500	154,000	191,000	
		kW	14.0	22.4	28.0	45.0	56.0	
Power consumption		kW	0.53	1.33	1.61	3.97	2.62	4.70
Casing colour			Ivory white (5Y7.5/1)					
Dimensions (H × W × D)		mm	1,670×750×510	1,670×950×510	1,670×1,170×510	1,900×1,170×720	1,900×1,470×720	
Machine weight		kg	118	144	169	236	281	306
Sound level *1		dB(A)	52	56	60	65	62	66
Piping connections	Liquid	mm	ϕ9.5 (Brazing)			ϕ12.7 (Brazing)	ϕ15.9 (Brazing)	
	Gas	mm	ϕ15.9 (Brazing)	ϕ19.1 (Brazing)	ϕ22.2 (Brazing)	ϕ28.6 (Brazing)		
	Drain	mm	Rp1 (PS 1B internal thread)					
Air filter	Type		Long-life filter (anti-mould resin net)					
Fan	Motor output	kW	0.75	1.5		3.7		5.5
	Airflow rate	m³/min	43	69	86	134	165	172
		cfm	1,518	2,436	3,036	4,730	5,825	6,072
	External static pressure *2	Pa	152	217	281	420	142	390
	Drive system		Belt drive system					

Notes: Specifications are based on the following conditions;
- Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Height difference: 0 m.
- Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index. (See Engineering Data Book for details.)

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

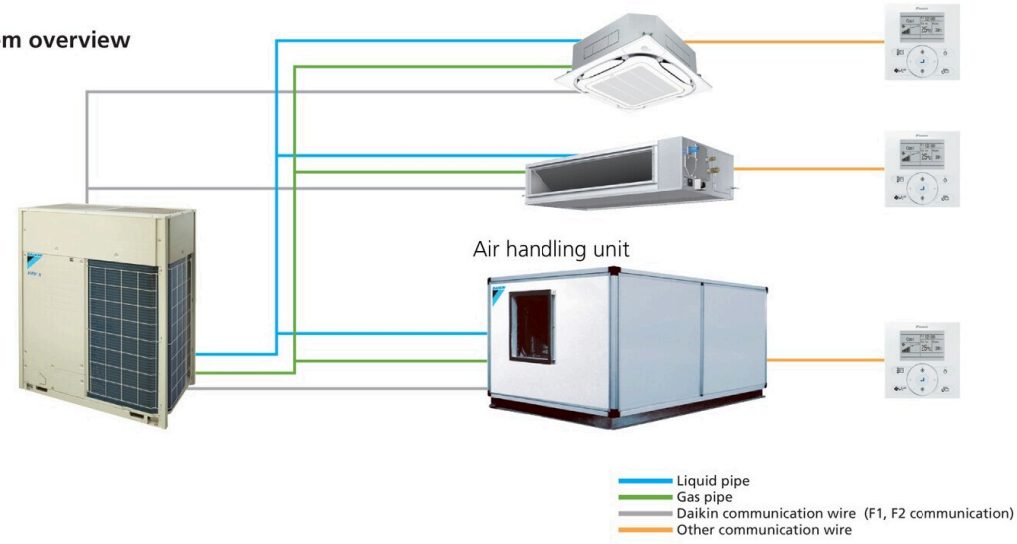
Air Handling Unit

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

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

AHUR
Capacity range : 6 – 120 HP

System overview



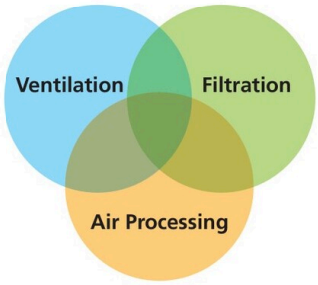
Daikin air handling units can be connected to ***VRV*** systems.
This combination can be built to order as a system. Outdoor air series is also possible. Please contact your local sales office for details.

Air Treatment Equipment

Daikin's air treatment systems creating a higher IAQ

Components of indoor air quality

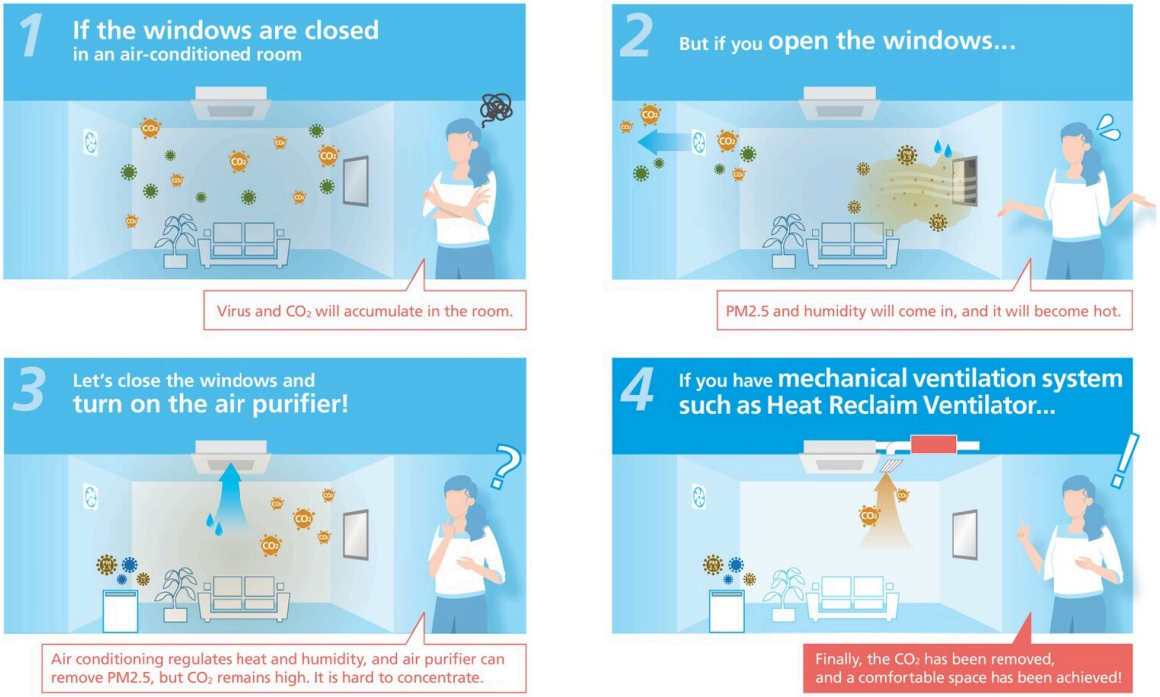
Air Conditioning +



A recent trend rapidly gaining popularity is for air treatment to be required as well as air conditioning. Daikin has a lineup of 3 products that provide adequate IAQ, according to the client's needs.

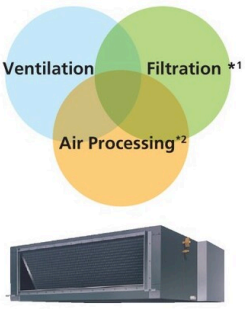
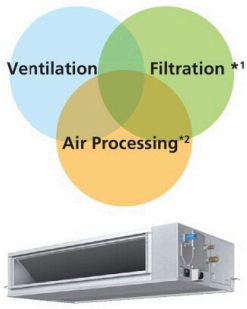
Our Solutions for Indoor Air Quality Problems

You may think cool and comfortable air-conditioned room is enough, but...



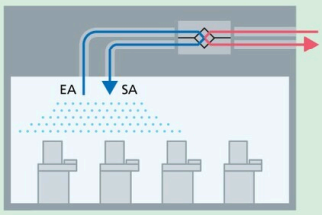
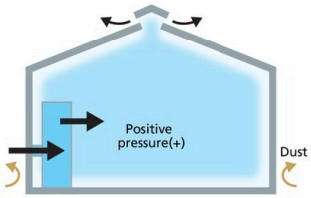
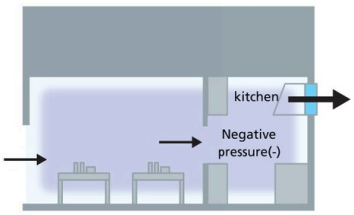
Air Treatment Equipment

Ventilation equipment can be selected according to suit purpose and circumstances

		100% Outside Air Processing Unit	Fresh Air Conditioning Unit	Heat Reclaim Ventilator
		FXMQ-MF series	FXMQ-BF series	VAM-H series
				
Connections with ***VRV*** systems	Refrigerant Piping	Connectable	Connectable	Not connectable
	Wiring	Connectable	Connectable	Connectable
	After-cool & After-heat Control	Available	Available	Not available
Ventilation class		Class 2	Class 2	Class 1
		Air supply only	Air supply only	Air supply & air exhaust
Heat Exchange Element		—	—	Energy savings obtained
High Efficiency Filter (Option)		Available	—	Available
PM2.5 Filter (Option)*1		—	—	Available
Airflow Rate		1,080 - 2,100m³/h	690 - 2,160 m³/h	150 - 2,000 m³/h

*1. PM2.5 filter (Option) is necessary. Refer to pages 84 - 86 for details.
*2. Refers to bringing outdoor air to near indoor temperature and delivering to a room.

Ventilation class

Class 1 Ventilation	Class 2 Ventilation	Class 3 Ventilation
Installing an Heat Reclaim Ventilator enables mechanical ventilation to control both air supply and air exhaust while ensuring continuous room comfort through the supply of temperature-controlled air.	Mechanical ventilation is used for air supply, and natural ventilation is used for air exhaust. This prevents dirty outdoor air from entering and maintains a clean environment even for large spaces.	Natural ventilation is used for air supply, and mechanical ventilation is used for air exhaust. Odours and steam generated indoors are eliminated before spreading to other areas.
		

Outdoor-Air Processing Unit (Discharge Air Temperature Control Type)

1) The unit introduces outdoor air and adjusts the outdoor air temperature via fixed discharge temperature control, thereby reducing the air conditioning load.

2) When shipped from the factory, the thermostat is set at 18°C for cooling. The set temperature can be varied within the range of 13–25°C during cooling operation, in the local setting mode using the wired remote controller. The temperature, however, is not displayed on the remote controller.

3) Estimate process air suction and discharge - maximum in-out temperature different is around 15°CDB (Will varies due to site installation and operating condition)

4) No recommended combining MFVI series with normal VRV FCU series as single CU system if building need to go through Green Mark Measurement and Verification stage.

*For application suitability, customer shall consult Daikin sales

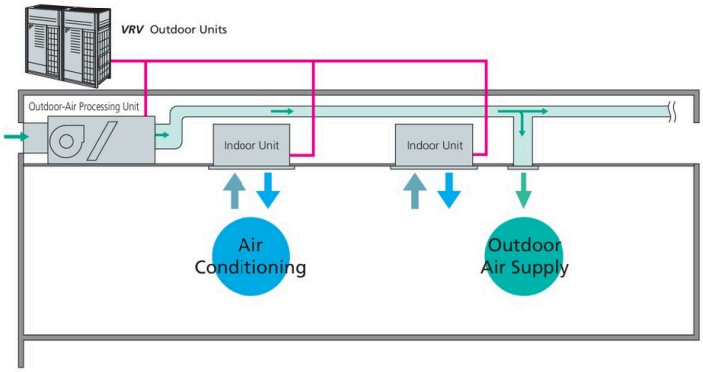
FXMQ-MF Series

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

Fresh air treatment and air conditioning can be achieved with a single system. ***VRV*** indoor units for air conditioning and an outdoor-air processing unit can be connected to the same refrigerant line.

Lineup

Model Name	FXMQ125MFV1	FXMQ200MFV1	FXMQ250MFV1
Capacity index	125	200	250
Airflow rate	1,080 m³/h	1,680 m³/h	2,100 m³/h

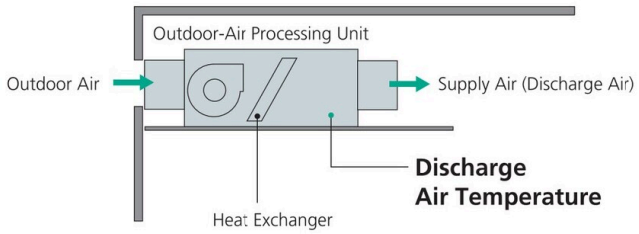


Connection Conditions

- Outdoor-air processing units can be used without indoor units. 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 combined, the total connection capacity index of the outdoor-air processing units must not exceed 30% of the capacity index of the outdoor units.
  Because connection is possible depending on conditions even when the capacity index of outdoor-air processing units exceeds 30% of the capacity index of the outdoor units, contact your local distributor.

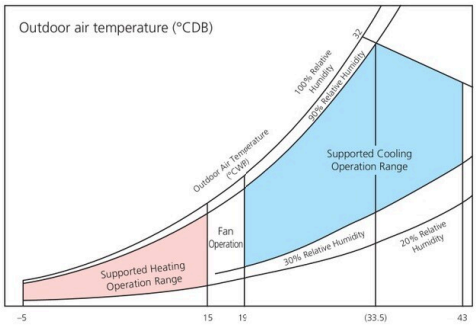
■ Outdoor-air processing / Discharge air temperature control

The unit supplies outdoor fresh air controlling discharge air temperature from the unit.



* The default setting of the discharge air temperature is 18°C for cooling operation, and 25°C for heating operation.
* While in unit protection mode and depending on outdoor air conditions, discharge air temperature may not be at the set temperature.
* The fan stops in defrosting, oil returning and hot start operations due to mechanical protection control.

■ Operation range



Applicable to outdoor air temperature range from –5 to 43°C.
In cooling operation, 19 to 43°C is adoptable.

Notes: 1. The operation range shown in the graph is under the following conditions. Equivalent piping length: 7.5 m, Height difference: 0 m.
2. The system will not operate in fan mode when the outdoor air temperature is 5°C or below.

Air Treatment Equipment

Precautions for use of FXMQ-MF series

1. This unit is intended for the treatment of outdoor air only. Not to be used for maintaining indoor air temperature. Be sure that the discharge airflow will not blow on people directly.
2. Group control of the product and standard indoor units is not supported. A separate remote controller should be connected to individual unit.
3. If the unit is utilised to operate 24 hours a day, maintenance (part replacement, etc.) must be performed periodically.
4. Temperature setting and Power Proportional Distribution (PPD) are not possible even if the intelligent Touch Controller or the intelligent Touch Manager is installed.
5. The remote controller wired to the outdoor-air processing unit must not be set as the master remote controller. Otherwise, when set to "Auto," the operation mode will switch according to the outdoor air conditions, regardless of the indoor temperature.

Specifications

Type				Ceiling Mounted Duct Type		
MODEL				FXMQ125MFV1	FXMQ200MFV1	FXMQ250MFV1
Power supply				1-phase 220-240 V, 50 Hz		
Cooling capacity *1			Btu/h	47,800	76,400	95,500
			kW	14.0	22.4	28.0
Power consumption			kW	0.359	0.548	0.638
Casing				Galvanised steel plate		
Dimensions (H × W × D)			mm	470 × 744 × 1,100	470 × 1,380 × 1,100	
Fan	Motor output		kW	0.380		
	Airflow rate		m^3/min	18	28	35
			cfm	635	988	1,236
	External static pressure	220 V/240 V	Pa	185/225	225/275	205/255
Air filter				*2		
Refrigerant piping	Liquid		mm	ϕ9.5 (Flare)		
	Gas		mm	ϕ15.9 (Flare)	ϕ19.1 (Brazing)	ϕ22.2 (Brazing)
	Drain		mm	PS1B female thread		
Machine weight			kg	86	123	
Sound level *3		220 V/240 V	dB(A)	42/43	47/48	
Connectable outdoor units *4				5 HP and above	8 HP and above	10 HP and above
Operation range (Fan mode operation between 15 and 19°C)				19 to 43°C		
Range of the discharge temperature *5				13 to 25°C		

Notes: *1. Specifications are based on the following conditions:
- Cooling: Outdoor temp. of 33°CDB, 28°CWB (68% RH), and discharge temp. of 18°CDB.
- Equivalent reference piping length: 7.5 m (0 m horizontal)

*2. An intake filter is not supplied, so be sure to install the optional long-life filter or high-efficiency filter.
*3. Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre.
These values are normally somewhat higher during actual operation as a result of ambient conditions.
*4. It is possible to connect to the outdoor unit if the total capacity of the indoor units is 50% to 100% of the capacity index of the outdoor unit.
*5. Local setting mode is not displayed on the remote controller.
- This equipment cannot be incorporated into the remote group control of the ***VRV*** system.

Options

MODEL			FXMQ125MFV1	FXMQ200MFV1	FXMQ250MFV1
Operation/control	Operation remote controller		BRC1H63W(K) / BRC1E63 / BRC2E61		
	Central remote controller		DCS302CA61		
	Unified ON/OFF controller		DCS301BA61		
	Schedule timer		DST301BA61		
	Wiring adaptor for electrical appendices (2)		KRP4AA51		
Filters	Long-life replacement filter		KAF371N140	KAF371N280	
	High-efficiency filter	Colourimetric method 65%	KAF372M140	KAF372M280	
		Colourimetric method 90%	KAF373M140	KAF373M280	
	Filter chamber *		KDJ3705L140	KDJ3705L280	
Streamer duct chamber			BDEZ500A140VE	BDEZ500A510VE	
Drain pump kit			KDU30L250VE		
Adaptor for wiring			KRP1B61		

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

Outdoor-Air Processing Unit (Room Temperature Control Type)

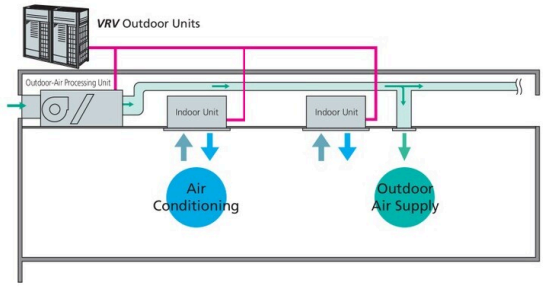
1) Sensing point is based on wired remote controller thermistor.
2) Based on room air temperature, wired remote controller will detect the room air temperature versus pre-set temperature to regulate the supply air temperature.

*For application suitability, customer shall consult Daikin sales.

FXMQ-BF Series

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

Fresh air treatment and air conditioning can be achieved with a single system. ***VRV*** indoor units for air conditioning and an outdoor-air processing unit can be connected to the same refrigerant line.



Lineup

Model Name	FXMQ80BFVM	FXMQ140BFVM	FXMQ200BFVM	FXMQ250BFVM
Capacity index	80	140	200	250
Airflow rate	690 m³/h	1,230 m³/h	1,740 m³/h	2,160 m³/h

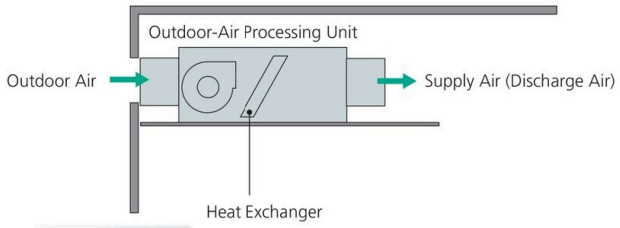
Type of connected indoor units	Conncetion ratio	FXMQ-BF connection ratio
FXMQ-BF only	50%-130%	
Mixed combination (FXMQ-BF and standard ***VRV*** indoor units)	120%-130%	<10%
	110%-120%	<20%
	100%-110%	<30%
	50%-100%	<40%

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

Larger connection ratio

Maximum connection ratio increased from 100% to 130%.
When outdoor-air processing units and standard ***VRV*** indoor units are combined, the total connection capacity index of the outdoor-air processing units must not exceed 40% of the capacity index of the outdoor units.

■ Outdoor-air processing / Room temperature control



Set point temperature can be selected similar to standard ***VRV*** indoor unit. Maintains comfortability and precise temperature control in large areas with the remote sensor option BRCS01A-6.

* This unit cannot be used to handle internal heat loads.
* The discharge air temperature changes depending on the air conditioning load, outside air temperature, and operation of the protective device.
  When the protection function is activated, unprocessed outside air maybe sent directly.
* The fan stops in defrosting, oil returning and hot start operations due to mechanical protection control.

Air Treatment Equipment

3-step airflow control

Control of the airflow rate has been improved from 1-step to 3-step control, which enhance usage and design flexibility.

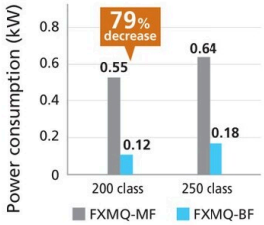
Slim & compact design

Only 300 mm in height and 700 mm in depth, the new casing comes with smaller footprint and with 59% reduction* in unit size.

* Reduction in size compared to conventional FXMQ200/250MF series

Lower power consumption

The change from AC motor to DC motor resulted in lower power consumption and more energy efficiency.
The new FXMQ200BF requires 79% less power consumption making it the perfect choice for small commercial applications.



VRT control

With the VRT* control feature, higher efficiency can be achieved.

* Default setting is VRT off and field setting is required.

Variable Refrigerant Temperature

New small capacity model

The new 9 kW capacity model is the perfect fit for smaller business such as small/medium-sized shops and convenience stores.

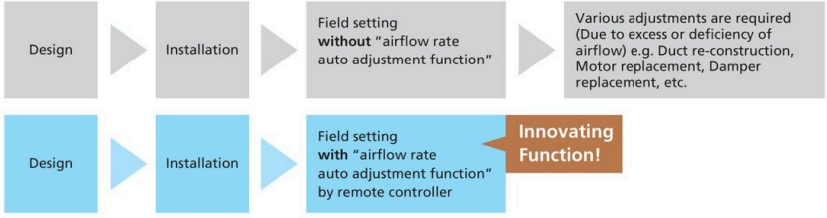
Adjustable external static pressure

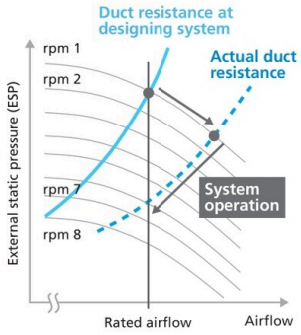
Using a DC fan motor, the external static pressure can be controlled within a range of 50 Pa to 200 Pa.

"Airflow rate auto adjustment function" at field setting

(local setting by remote controller)

*This function can only be set via wired remote controller.





<Mechanism>
1. During field setting, power input of DC fan is detected.
2. External static pressure is estimated from power input of DC fan because PCB of FXMQ-BF has table of external static pressure vs. power input of DC fan.
3. Actual duct resistance is calculated according to 1 and 2.
4. Fan speed is automatically adjusted to produce rated airflow.

Notes: "Airflow rate auto adjustment function" can be adjusted within ±10% of rated airflow.
(Refer to Engineering Data Book for details)
"Airflow rate auto adjustment function" should be used at fieldsetting only.

Outdoor-Air Processing Unit (Room Temperature Control Type)

High efficiency filter (MERV8/MERV14) (Option)

The filter options of MERV8 and MERV14 are available.

The high efficiency filter can help remove infectious aerosol in the air.

MERV8 filter

MERV14 filter

Specifications

Model			FXMQ80BFVM	FXMQ140BFVM	FXMQ200BFVM	FXMQ250BFVM
Power supply			1 phase, 220-230-240 V, 50/60 Hz			
Cooling capacity *1		Btu/h	30,700	54,600	76,400	95,500
		kW	9.0	16.0	22.4	28.0
Power consumption	Cooling	kW	0.080	0.100	0.115	0.180
Casing			Galvanised steel plate			
Dimensions (H×W×D)		mm	300×700×700	300×1,000×700	300×1,400×700	
Fan	Motor output	kW	0.140	0.350		
	Airflow rate (H/M/L)	m³/min	11.5/8.6/5.8	20.5/15.4/10.3	29.0/21.8/14.5	36.0/27.0/18.0
		cfm	406/304/205	724/544/364	1,024/770/512	1,271/953/635
	External static pressure	Pa	Rated 100 (200-50)			
Air filter			*2			
Refrigerant piping	Liquid	mm	ϕ9.5 (Flare)			
	Gas		ϕ15.9 (Flare)		ϕ19.1 (Brazing)	ϕ22.2 (Brazing)
	Drain		VP25 (External dia. 32, Internal dia. 25)			
Machine weight		kg	28	36	46	47
Sound level (H/M/L) *3		dB(A)	37.5/30/23	41/34/25	42/35/26	44/36/27
Operation range *4	Cooling	°CDB	15 to 43			

Notes:
*1. The capacity is the maximum value under the following conditions:
- Cooling: Indoor temp. of 33°CDB, 28°CWB, Outdoor temp. of 33°CDB.
- Equivalent reference piping length: 7.5 m (0 m horizontal)
- The rated external static pressure and air volume are set in ().

*2. An intake filter is not supplied, so be sure to install the optional filter.
*3. Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre.
These values are normally somewhat higher during actual operation as a result of ambient conditions.
*4. The operation range can be extended to 15°C in cooling operation by field setting.
When fresh air intake mode is enabled during cooling operation, operation range cannot be extended. (limit at 19 to 43°C)

Options

Model		FXMQ80BFVM	FXMQ140BFVM	FXMQ200BFVM	FXMQ250BFVM
Operation/control	Wired remote controller	BRC1H62W(K) / BRC1E63 / BRC2E61			
	Wireless remote controller	Cooling only: BRC4C66			
	Remote sensor (for indoor temperature)	BRCS01A-6			
	Central remote controller	DCS302CA61			
	Unified ON/OFF controller	DCS301BA61			
	Schedule timer	DST301BA61			
Filters	MERV8 filter	BAF376B56	BAF376B80	BAF376B160	
	MERV14 filter	BAF377B56	BAF377B80	BAF377B160	
	Filter chamber for MERV8/14 filter	KDDF37AA56	KDDF37AA80	KDDF37AA160	
	Long life replacement filter	KAF371B56	KAF371B80	KAF371B160	
Service panel		KTBJ25K56F	KTBJ25K80F	KTBJ25K160F	
Air discharge adaptor		KDAJ25K56A	KDAJ25K71A	KDAJ25K140A	
Adaptor for wiring (operation status output)		H BRP11B62			
Wiring adaptor for electrical appendices (1)		H KRP2A61			
Wiring adaptor for electrical appendices (2)		H KRP4AA51			
Installation box for adaptor PCB ⊠ *1		H KRP4A96 *2, 3			
External control adaptor for outdoor unit		H DTA104A61			
Adaptor for multi tenant (24V type)		H DTA114A61			
Multi tenant unit for indoor (24V free type)		H BRP114A61			
Multi tenant unit Booster (24V free type)		H BRP114A63			
Digital input adaptor for hotel application		H BRP7A53			

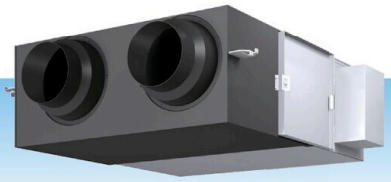
Notes:
*1. Installation Box ☆ is necessary for each adaptor marked ★.
*2. Up to 2 adaptors can be fixed for each installation box.
*3. Only one installation box can be installed for each indoor unit.

Air Treatment Equipment

Heat Reclaim Ventilator

VAM-H Series

Daikin VAM series ensures fresh air intake and energy savings



Lineup		
VAM150HVE	VAM250HVE	VAM350HVE
VAM500HVE	VAM650HVE	VAM800HVE
VAM1000HVE	VAM1500HVE	VAM2000HVE

Airflow rate: 150-2,000 m³/h

BRC1H63W

BRC1H63K

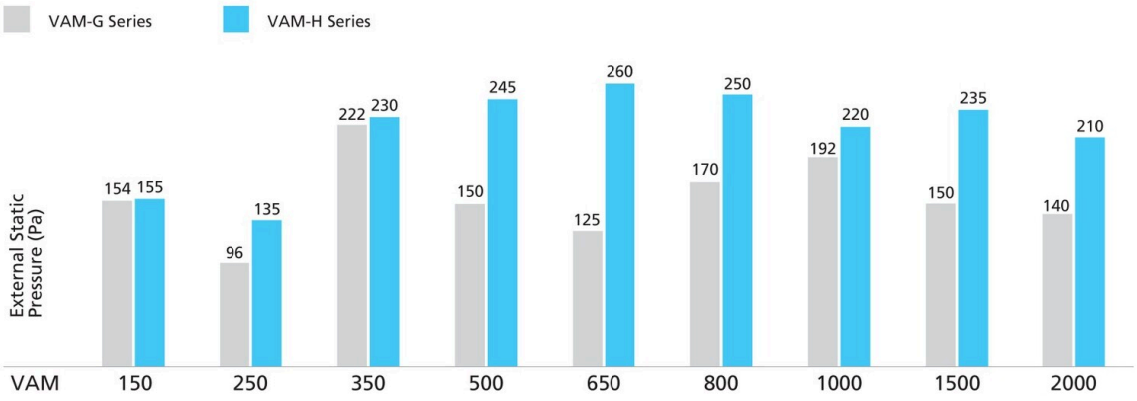
New features

Design flexibility

By significantly improving external static pressure, support for a variety of duct layouts is possible, and installation flexibility has been improved.

The 1000-2000 class model has become more compact, and ease of installation has improved.

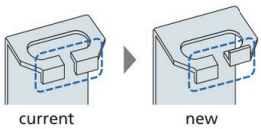
■ Comparison of external static pressure



Improvement of installation workability

Improved workability by changing dimensions and shape of lifting lug

The structure that prevents nut slippage eliminates the need to replace the lifting lug even when installed upside down.

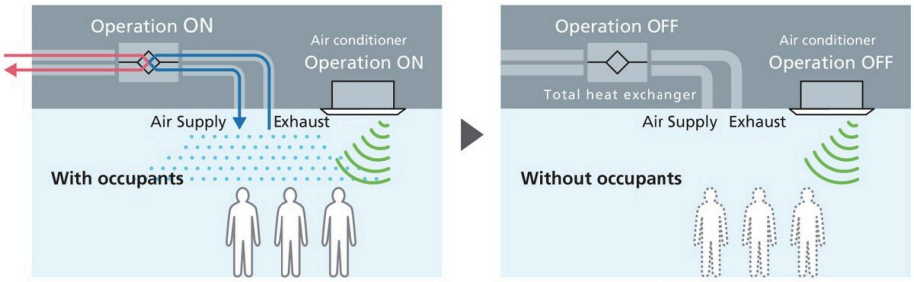


Energy saving

Sensing sensor stop mode

In situation of no human occupancy is detected, 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.



* During group controlling of air conditioner, no occupancy stop mode cannot be used.
* During 24-hours ventilation mode is turned on, the normal operation mode is changed to 24-hours ventilation mode.
* Once the absence is detected and stopped, the operation will not be performed automatically again.

Humidity sensor (Option)

A humidity sensor (option) can be installed for greater comfort and energy-saving ventilation.

Conditions of low temperature and high humidity... Example, a rainy day, etc.

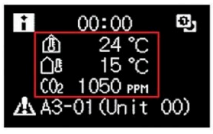
When the humidity sensor is not installed	When the humidity sensor is installed
Outdoor air with high humidity enters through normal ventilation.	When outdoor air with high humidity is detected, the system automatically switches to ventilation mode and prevents the humid outdoor air from entering.
• **Discomfort increases.** • **Air conditioning load and inefficiency increase.**	• **Air conditioning load is reduced.** • **Comfort greatly improves.** • **Energy savings are also increased.** • **Moreover, ventilation amount is also controlled according to humidity conditions.**

Stylish remote controller

NEW Stylish Remote Controller BRC1H63W(K) combining many VAM-dedicated functions

- Sensor results can be displayed up to 3 item on the information screen.
- Sensor results can be shared to the remote controller group.
- New icons such as 24-Hour Ventilating, Fresh Up, Nighttime Free Cooling Operation (Night Purge) have been added to the Information screen.

Sensor view of the Information screen



Note:
3 items selected by remote controller setting.

Air Treatment Equipment

Heat Reclaim Ventilator

Energy saving / Heat recovery functions

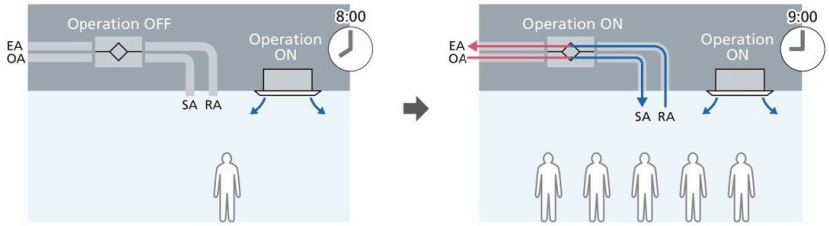
Air conditioner and ventilation system can be interlocked to provide even greater comfort and energy saving.

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

Pre-cool, Pre-heat control

Intentional delay of the start-up time

When the air conditioner is started up, the ventilation start-up is delayed to reduce load caused by the outside air. This reduces power consumption of air conditioners.

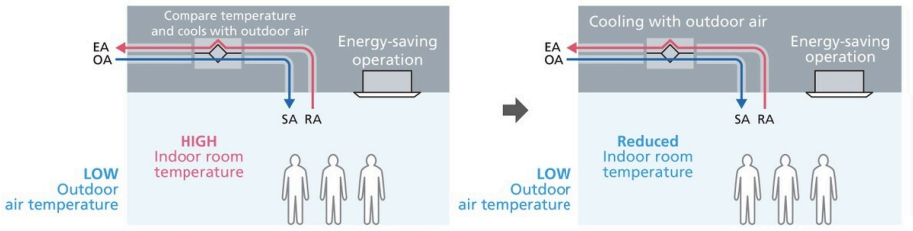


* The delay time can be changed using field settings.

Auto-ventilation mode changeover switching

Automatically determine the appropriate ventilation for each situation

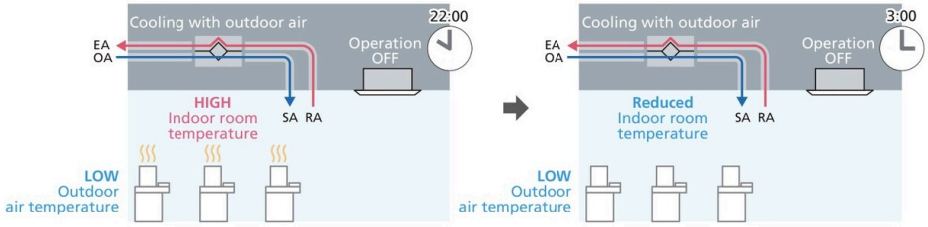
Indoor temperature and the outdoor temperature are detected, and the system automatically switches to the ventilation mode which has higher energy-saving effect.



Nighttime free cooling operation

Efficient use of outdoor air at night.

Rise in indoor temperature is avoided by automatically cooling the outdoor air at night, thus reducing air conditioning load at the start of cooling operation on the next morning.



*The system is automatically controlled by the set temperature of the ***VRV*** indoor unit.

CO_2 sensor control (Option) *Refer to pages 83 for details.

When CO_2 sensor is installed, it detects the concentration of CO_2 in the indoor air and the Ventilation rate is controlled appropriately, reducing the air conditioning load due to ventilation.

■ Improvement of IEQ (Indoor Environmental Quality)

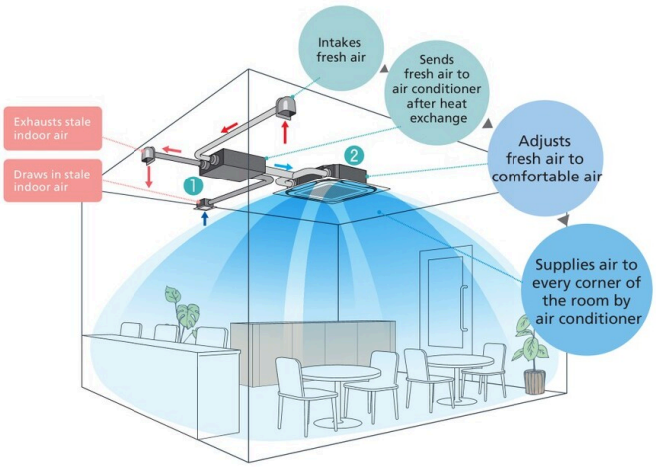
PM2.5 filter (Option) *Refer to pages 84-86 for details.

Removes PM2.5 particulate matter present in the outdoor air, as well as sulfur oxides and nitrogen oxides, providing clean fresh air to the indoor ambient.
- PM2.5 filter: Removes 99% or more of 2.5 µm particulate matter.
- Activated Carbon filter: Removes sulfur oxides and nitrogen oxides.

Fresh Air Comfort

Round Flow Cassette indoor units can be connected to a duct to provide fresh outdoor air for comfortable air from the air conditioner. Installation is also possible for existing indoor units.

1 Heat Reclaim Ventilator
+
2 Round Flow Cassette (including with sensing type)



Air Treatment Equipment

Heat Reclaim Ventilator

■ Specifications

Model				VAM150HVE	VAM250HVE	VAM350HVE	VAM500HVE	VAM650HVE	VAM800HVE	VAM1000HVE	VAM1500HVE	VAM2000HVE
Power Supply				Single phase, 220-240 V/220 V, 50/60 Hz								
Temperature exchange efficiency (50/60 Hz)	For Cooling	Ultra-High	%	66.0/66.0	60.5/60.5	65.0/65.0	61.5/61.5	59.5/59.5	61.5/61.5	58.0/58.0	61.5/61.5	58.5/58.5
		High		66.0/66.0	60.5/60.5	65.0/65.0	61.5/61.5	59.5/59.5	61.5/61.5	58.0/58.0	61.5/61.5	58.5/58.5
		Low		69.0/69.5	65.0/65.5	70.0/70.0	63.0/64.0	62.5/63.0	64.0/65.0	61.5/62.0	65.5/66.0	65.5/65.5
Enthalpy exchange efficiency (50/60 Hz)	For Cooling	Ultra-High	%	63.5/63.5	60.0/60.0	62.5/62.5	62.5/62.5	60.0/60.0	63.0/63.0	60.0/60.0	63.0/63.0	60.0/60.0
		High		63.5/63.5	60.0/60.0	62.5/62.5	62.5/62.5	60.0/60.0	63.0/63.0	60.0/60.0	63.0/63.0	60.0/60.0
		Low		66.0/66.5	61.5/62.0	64.5/65.0	64.0/65.0	62.5/63.0	64.5/65.5	62.0/62.5	65.5/66.0	64.5/64.5
Power Consumption (50/60 Hz)	Heat exchange mode	Ultra-High	W	96-103/132	126-141/172	178-193/231	296-326/390	381-426/472	664-684/829	683-736/883	1,274-1,353/1,645	1,365-1,471/1,763
		High		90-93/118	114-123/144	163-170/207	248-261/329	307-319/413	603-612/712	621-656/763	1,207-1,225/1,423	1,241-1,311/1,526
		Low		68-73/67	75-83/79	132-142/145	223-233/268	264-276/332	504-544/562	539-569/594	1,008-1,089/1,125	1,079-1,138/1,188
	Bypass mode	Ultra-High	W	96-103/132	126-141/172	178-193/231	296-326/390	381-426/472	664-684/829	683-736/883	1,274-1,353/1,645	1,365-1,471/1,763
		High		90-93/118	114-123/144	163-170/207	248-261/329	307-319/413	603-612/712	621-656/763	1,207-1,225/1,423	1,241-1,311/1,526
		Low		68-73/67	75-83/79	132-142/145	223-233/268	264-276/332	504-544/562	539-569/594	1,008-1,089/1,125	1,079-1,138/1,188
Sound Level (50/60 Hz)	Heat exchange mode	Ultra-High	dB(A)	33.0-34.0/34.0	33.0-34.0/33.5	32.0-33.0/34.5	36.0-37.0/38.5	37.5-38.0/38.0	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		30.5-32.0/28.0	31.5-32.5/28.0	30.0-31.5/27.5	35.0-36.0/35.0	36.0-36.5/37.0	39.5-41.0/37.0	40.0-41.0/38.0	41.0-42.5/39.0	41.5-43.0/40.0
		Low		23.0-25.5/20.0	23.0-25.5/21.0	26.5-28.5/22.0	32.0-34.0/31.0	34.0-35.0/32.5	36.0-38.5/33.0	38.0-39.5/34.5	38.0-40.5/35.0	39.0-41.0/36.5
	Bypass mode	Ultra-High	dB(A)	33.5-34.0/36.0	33.0-34.0/34.5	32.5-33.5/34.5	36.0-37.0/38.5	39.5-40.0/42.0	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		31.5-33.0/28.5	31.0-32.5/29.0	31.0-32.0/27.5	35.0-36.0/35.0	38.0-38.5/39.0	39.5-41.0/37.0	40.0-41.0/38.0	41.0-42.5/39.0	41.5-43.0/40.0
		Low		23.0-25.5/20.5	23.5-25.5/21.5	27.0-29.0/23.0	32.0-34.0/31.0	35.5-36.5/33.5	36.0-38.5/33.0	38.0-39.5/34.5	38.0-40.5/35.0	39.0-41.0/36.5
Casing				Galvanised steel plate								
Insulation Material				Self-extinguishable polyurethane foam								
Dimensions (H × W × D)			mm	278 × 551 × 810		306 × 800 × 879	338 × 832 × 973		387 × 1,012 × 1,110		785 × 1,012 × 1,110	
Machine Weight			kg	22		31	41	43	63		133	
Heat Exchange System				Specially processed nonflammable paper								
Heat Exchange Element Material				Multidirectional fibrous fleeces								
Fan	Type			Sirocco fan								
	Airflow Rate (50/60 Hz)	Ultra-High	m³/h	150/150	250/250	350/350	500/500	650/650	800/800	1,000/1,000	1,500/1,500	2,000/2,000
		High		150/150	250/250	350/350	500/500	650/650	800/800	1,000/1,000	1,500/1,500	2,000/2,000
		Low		100/80	165/145	275/235	470/420	570/495	720/610	880/835	1,350/1,250	1,650/1,580
	External static pressure (50/60 Hz)	Ultra-High	Pa	125-140/155	115-130/135	170-185/230	165-190/245	185-190/260	210-235/250	205-225/220	195-215/235	190-210/210
		High		100-120/100	80-90/60	145-165/80	140-175/180	140-155/210	170-215/140	155-195/100	150-180/125	140-180/85
		Low		44-80/28	35-75/20	90-102/36	124-155/127	108-119/122	138-174/81	115-150/70	123-146/88	96-123/53
	Motor Output		kW	0.030 × 2		0.060 × 2	0.100 × 2	0.170 × 2	0.190 × 2		0.190 × 4	
Effective ventilation rate		Ultra-High	%	90								
Connection duct diameter		Indoor side	mm	f100	f150		f200		f250		f250 × 4	
		Outdoor sice	mm								□(680 × 290) × 2	
Unit ambient condition				-15°C to 50°CDB, 80%RH or less								

Notes:
1. Airflow rate can be changed over to Low mode or High mode.
2. Temperature Exchange Efficiency is the mean value between cooling and heating.
3. Efficiency is measured under the following conditions:Ratio of rated external static pressure has been maintained as follows; outdoor side to indoor side = 7 to 1.
4. In conformance with JIS standards (JIS B 8628), operating sound level is based on the value when one unit is operated, with the value converted for an anechoic chamber. This is transmission sound from the main unit, and does not include sound from the discharge grille. Thus it is normal for the sound to be louder than the indicated value when the unit is actually installed.

Remote controller function for Heat Reclaim Ventilator

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)	○	—	—
Nighttime free cooling indication	Indicates that night purge operation is set	○	—	—
24 hour ventilating indication	Indicates that 24 hour ventilating 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 with in the group	○	—	—

○ : New functions / ● : Installed functions

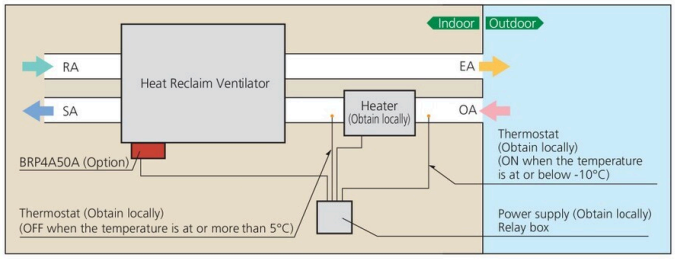
Options

Item \ MODEL			VAM150HVE	VAM250HVE	VAM350HVE	VAM500HVE	VAM650HVE	VAM800HVE	VAM1000HVE	VAM1500HVE	VAM2000HVE
Additional function	Silencer		—			KDDM24B100				KDDM24B100 × 2	
	Nominal pipe	mm	—			φ200		φ250			
	High efficiency filter		KAF242J25M		KAF242J50M	KAF242J65M		KAF242K100M		KAF242K100M × 2	
	Air filter for replacement		KAF241L25M		KAF241L35M	KAF241L65M		KAF241L100M		KAF241L100M × 2	
Flexible duct (1m)			K-FDS101E	K-FDS151E		K-FDS201E		K-FDS251E			
Flexible duct (2m)			K-FDS102E	K-FDS152E		K-FDS202E		K-FDS252E			
CO_2 sensor*1			BRYC24A25M		BRYC24A35M	BRYC24A65M		BRYC24A100M			
Humidity sensor			BRYH241A100 (for RA) / BRYH242A100 (for OA)								
PM2.5 filtration unit*2			BAF249A150	BAF249A300	BAF249A350	BAF249A500	—	BAF429A20A			
PM2.5 with activated carbon filtration unit*2			BAF249A150C	BAF249A300C	BAF249A350C	BAF249A500C	—	BAF429A20AC			
Streamer duct chamber			BDEZ500A60VE			BDEZ500A60VE BDEZ500A140VE	BDEZ500A140VE			BDEZ500A510VE	
Wired remote controller			BRC1H63W (White) / BRC1H63K (Black) / BRC1E63 / BRC2E61								
Controlling device	Centralised controlling device	Central remote controller	DCS302CA61								
		Unified ON/OFF controller	DCS301BA61								
		Schedule timer	DST301BA61								
	PCB Adaptor	Wiring adaptor for electrical appendices	KRP2A62								
		Installation box for adaptor PCB	KRP1C18A90								
		For heater control kit	BRP4A50A								
		PCB adaptor for wiring	KRP1C18								

Notes: *1. Refer to pages 83 for details. *2. Refer to pages 84 - 86 for details.

PCB adaptor for heater control kit [BRP4A50A] (Option)

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



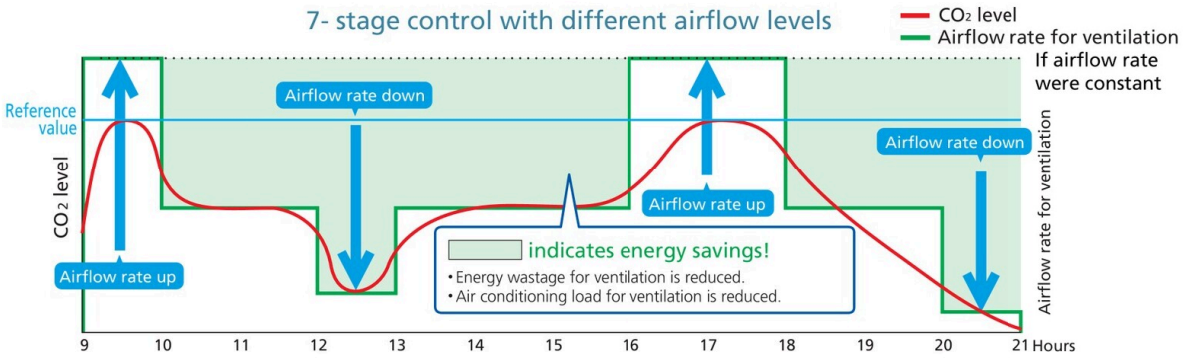
Notes when installing :
- Examine fully an installation place and specification for using the electric heater based on the standard and regulation of each country.
- Supply the electric heater and safety production devices such as a relay and a thermostat, etc of which qualities satisfy the standard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

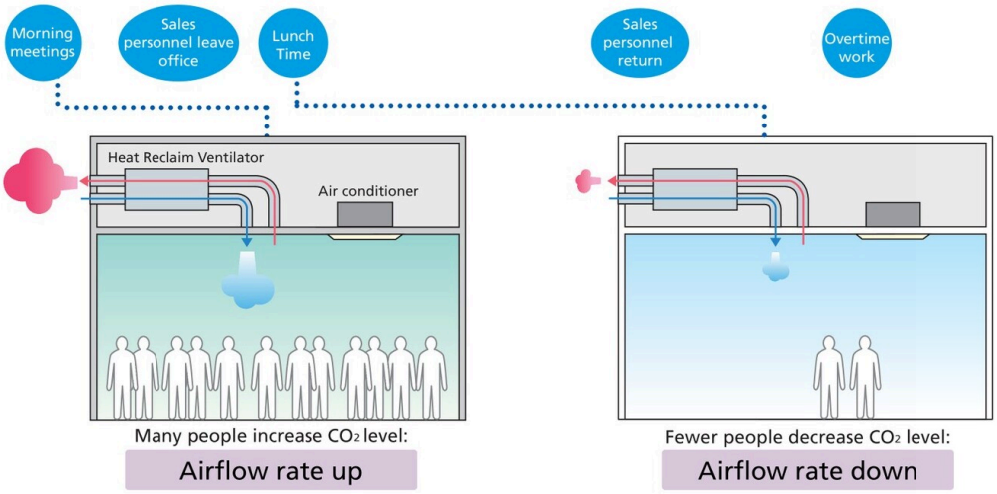
Air Treatment Equipment

Airflow rate control with CO_2 sensor (Option) for VAM series

The CO_2 sensor controls airflow rate so that it best matches the changes of CO_2 level in the room. This prevents energy losses from over-ventilation while maintaining indoor air quality with optional CO_2 sensor.

● Example of CO_2 sensor operation in an office room:



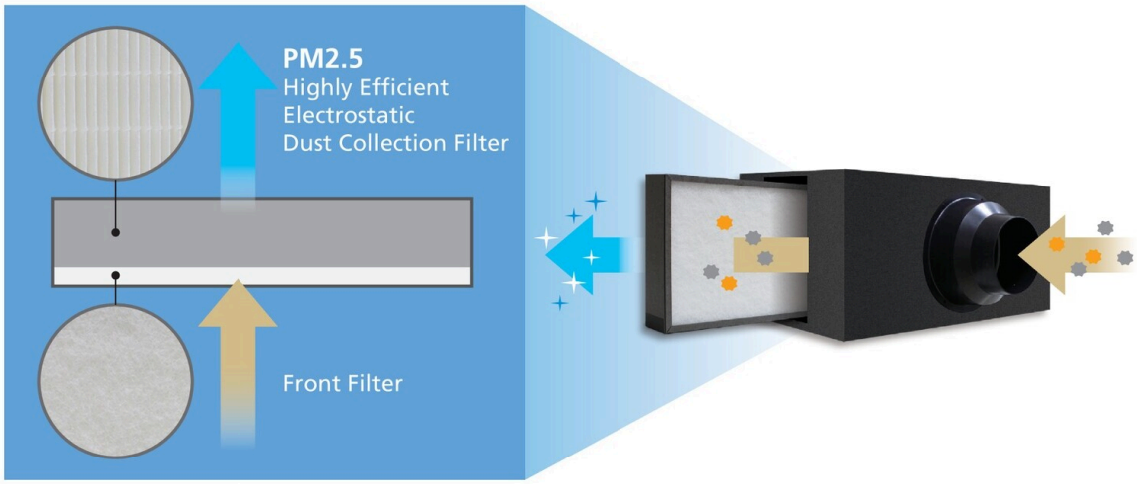


PM2.5 filtration unit (Option) for VAM series

Rapid urbanization has increased industrial and automobile emissions, resulting in higher PM2.5 levels. This has become the source of respiratory diseases and poses a serious threat to a long term health issue. As the air quality has worsened, research has shown the harmful effects of PM2.5 on the health of the general public.

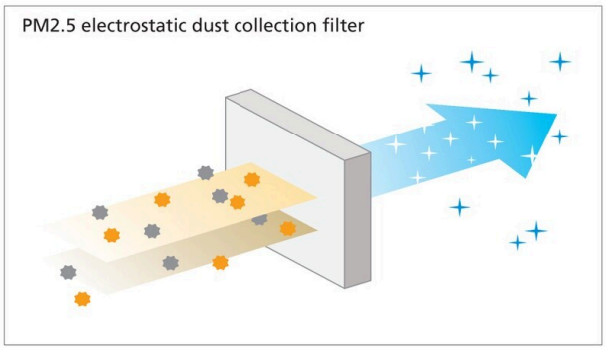
Double-layered efficient filtration

PM2.5 filters are double-layered.
1. The front filter effectively removes large particles.
2. The PM2.5 filter layer contains a large amount of static electricity to capture particulate matter efficiently.



Filtering PM2.5 efficiently for healthier and more comfortable environments

This filter removes 99% or more of 2.5 μm particulate matter.



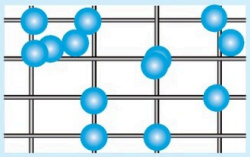
*Test results by the Heating, Ventilation and Air Conditioning Lab at Tongji University
Test environment: temperature 25-26°CDB, humidity 58-60%RH

Air Treatment Equipment

Electrostatic dust collection filter: more efficient and longer lasting effect

The PM2.5 filter layer contains a large amount of static electricity to capture particulate matter efficiently, including those smaller than the grid mesh.
The filter is difficult to be blocked by particles and has good ventilation and long life span.

Daikin Electrostatic Dust Collecting Filtration



With the capturing effect of static electricity, particles are adsorbed on the filter fabric.

The filter is not blocked and therefore continuous Supply Air is guaranteed.

Long-lasting highly efficient dust collection capacity

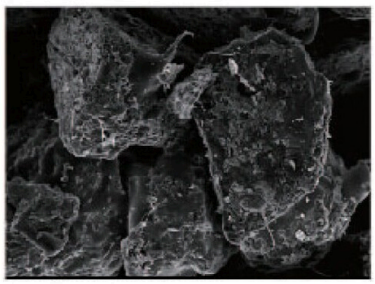
PM2.5 with activated carbon filtration unit (Option) for VAM series

Extra-high performance filter against sulfur oxides and nitrogen oxides

Effective Use of Active Carbon Material to Enlarge the Adsorption Area

As an expert in the research and development of filters, DAIKIN has specifically selected active carbon material as the main substance to constitute the filter against sulfur oxides and nitrogen oxides. The material's usable pore surface is fully exploited, thus extending the filter's durability.

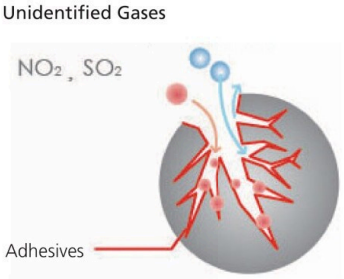
Notes: Surface area of active carbon: 700 m^2/g
Given a newspaper page of 40.6 cm wide by 54.6 cm long, each gram of active carbon has a surface area of 3,000 newspaper pages.



Intelligent Identification, Super-effective Adhesion

The special substance added in the pores of active carbon can exclusively target sulfur oxide and nitrogen oxide gases and stick to them without blocking other unidentified gases. This ensures long durability of the filter.

Note: The figures are based on in-house tests under the following lab conditions: temperature 22 to 25°CDB, humidity 35 to 40% RH, air flow rate 0.2 m/s.



Specifications

PM2.5 filtration unit

MODEL			BAF249A150	BAF249A300	BAF249A350	BAF249A500	BAF429A20A
Dimensions (H × W × D)		mm	220×603×366	220×603×366	300×623×366	300×623×366	470×971×370
Connection Duct Diameter		mm	ϕ100	ϕ150	ϕ150	ϕ200	580×348
Airflow Rate		m^3/h	150	250	350	500	2,100
PM2.5 Filter	Initial Pressure Drop	Pa	34	30	31	42	less than 40
	Filter Lifetime *1		1 year				
	Filtration Efficiency *2		99% or higher				
	Filter Material No. *3		BAF244A300		BAF244A500		BAF424A20A

Notes: 1. Annual usage: 400 hrs/month x 12 months = 4,800 hrs
2. 99% or higher removal rate of ultra-fine particles with diameters of 2.5 µm or more.
3. Filters come with applicable filtration units with a one-year life. They can be purchased and replaced according to their model numbers.

PM2.5 with activated carbon filtration unit

MODEL			BAF249A150C	BAF249A300C	BAF249A350C	BAF249A500C	BAF429A20AC
Dimensions (H × W × D)		mm	220×603×366	220×603×366	300×623×366	300×623×366	470×971×370
Connection Duct Diameter		mm	ϕ100	ϕ150	ϕ150	ϕ200	580×348
Airflow Rate		m^3/h	150	250	350	500	2,100
Total Initial Pressure Drop for PM2.5 with Activated Carbon Filtration Unit		Pa	37	35	36	51	less than 50
PM2.5 Filter	Initial Pressure Drop	Pa	34	30	31	42	less than 40
	Filter Lifetime *1		1 year				
	Filtration Efficiency *2		99% or higher				
	Filter Material No. *3		BAF244A300		BAF244A500		BAF424A20A
Activated Carbon Filter	Initial Pressure Drop	Pa	3	5	5	9	less than 10
	Filter Lifetime		1 year				
	Filter Material No. 3		BAF244A300C		BAF244A500C		BAF424A20AC

Notes: 1. Annual usage: 400 hrs / month × 12 months = 4,800 hrs.
2. 99% or higher removal rate of ultra-fine particles with diameters of 2.5 µm or more.
3. Filters come with applicable filtration units with a one-year life. They can be purchased and replaced according to their model numbers.

Control Systems

Individual control systems for *VRV* systems

Stylish remote controller (Option)

Special Site

White
BRC1H63W

Black
BRC1H63K

A complete redesigned controller focused to enhance user experience

reddot design award

Sleek and stylish design

- 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

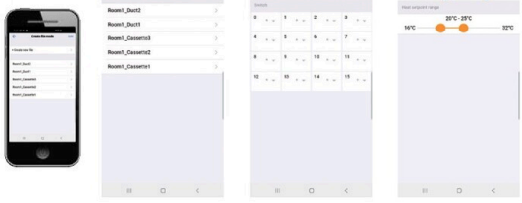
User-friendly interface

- 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)
- Timer functions (OFF timer, Weekly schedule timer)
- Simple screen for hotel display

Easy setting via smartphone application using Bluetooth® wireless technology (for Installer/Facility manager)

Keep hotel room comfortable

- Improved setback function by setting the lower temperature limit in cooling and higher temperature in heating mode.
- Window/door contact interlock function is available via optional Digital Input Adaptor BRP7A*.



<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
- Remote update function (OTA: Over The Air)

Navigation remote controller (Wired remote controller) (Option)

BRC1E63

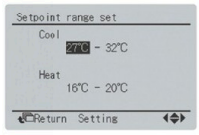
BRC1F61
(Only for FXEQ series)

A series of user friendly functions that can be individually selected

Energy saving

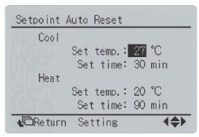
Setpoint range set

- Avoids excessive cooling by limiting the min. and max. set temperature.
- Convenient for use at a place where any number of people may operate it.



Setpoint auto reset

- Even if the set temperature is changed, the new set temperature returns to the previous preset value after a preset duration of time.
- Period selectable from 30, 60, 90, or 120 min.



Off timer

- Period can be preset from 30 to 180 minutes in 10-minute increments.

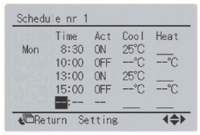
Convenience

Setback (default: OFF)

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

Weekly schedule

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



Auto display off

- Period can be preset from 10, 30, 60 minutes, and OFF. Initial setting is 30 minutes.

Comfort

Individual airflow direction

- Airflow direction can be individually adjusted for each air discharge outlet.

5-step airflow control

- Airflow rate can be selected from 5-step control.

Auto airflow rate

- Airflow rate is automatically controlled.

Control Systems

Individual control systems for *VRV* systems

Simplified remote controller (Option)

BRC2E61

Easy operation with new intuitive design

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

* The number of airflow steps and availability of auto airflow rate and swing mode depend on the type of indoor unit.

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)

BRC-M series

Signal receiver unit (Installed type)

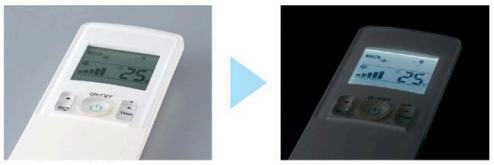
- The wireless remote controller is supplied in a set with a signal receiver.
- Signal receiver unit of installed type is contained inside decoration panel or indoor unit.
- Shape of signal receiver unit differs according to the indoor unit.

Note: The signal receiver unit shown in the photograph is for mounting inside the decoration panel of FXF(S)Q series.

BRC-C, E series

Signal receiver unit (Separate type)

- Backlight LCD of new wireless remote controller



Pressing the backlight button helps operating in dark rooms.

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

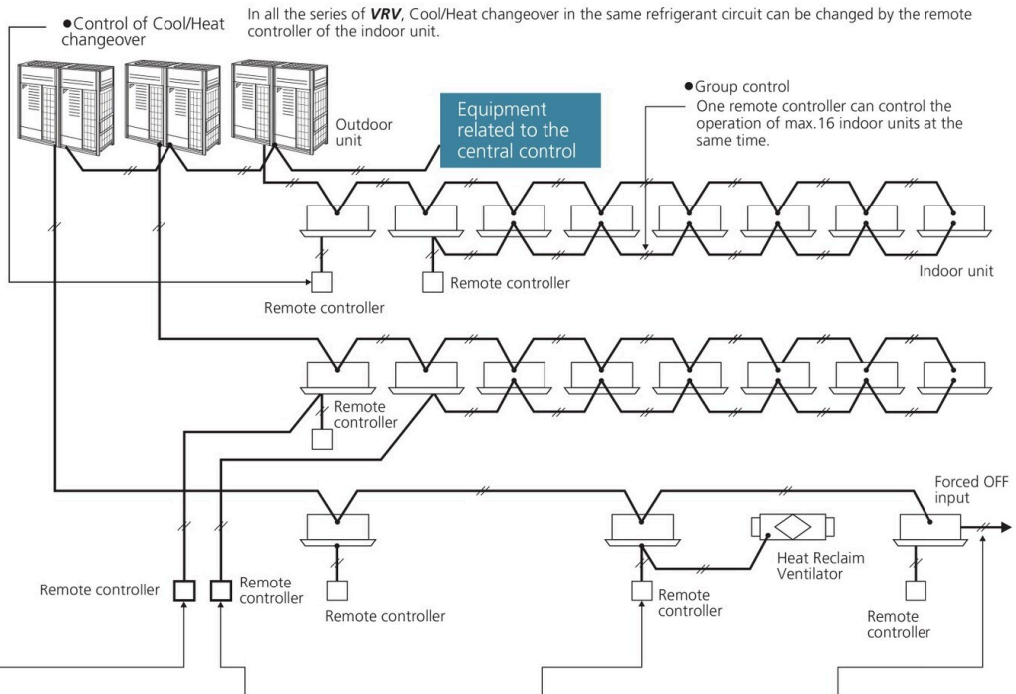
* Wireless remote controller and signal receiver unit are sold as a set.
* Refer to page 124 - 125 for the name of each model.

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

MODEL	FXFTQ	FXFRQ	FXFSQ	FXFQ	FXZQ	FXCQ	FXEQ	FXDQ	FXSQ	FXMQ	FXHQ	FXAQ	FXLQ	FXVQ
Stylish remote controller (BRC1H63W / BRC1H63K)	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Navigation remote controller (BRC1E63)			●	●	●	●		●	●	●	●	●	●	●
Navigation remote controller (BRC1F61)							●							
Simplified remote controller (BRC2E61)				●	●	●	●	●	●	●	●	●	●	●
Wireless remote controller* (Installed type signal receiver unit)			●	●	●	●	●				●	●		
Wireless remote controller* (Separate type signal receiver unit)								●	●	●			●	

*Refer to page 124 - 125 for the name of each model.

The wired remote controller supports a wide range of control functions



1 Control by two remote controllers

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

2 Remote control

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

3 Control for the combined operation

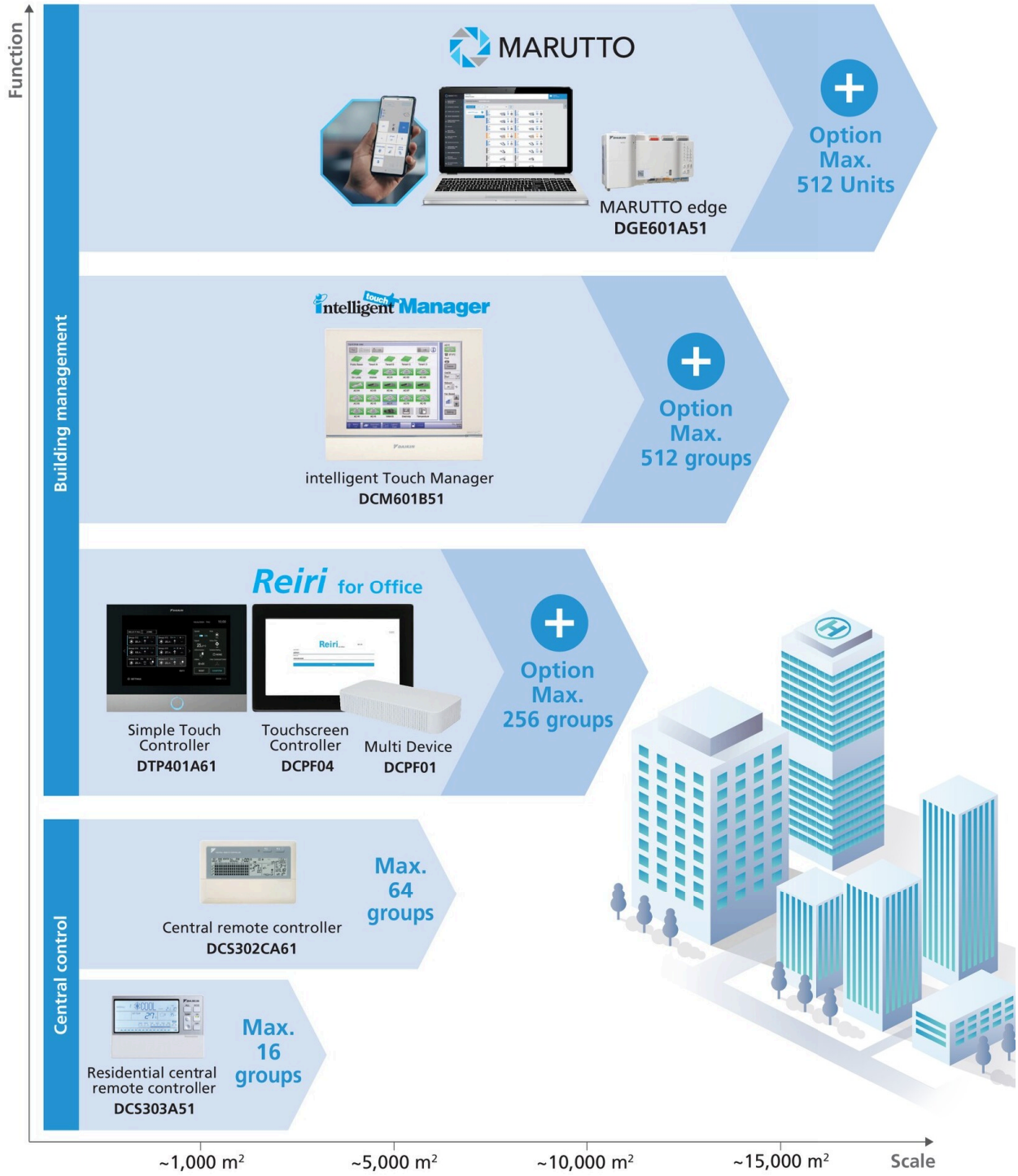
The operation of Heat Reclaim Ventilator can be controlled by the remote controller of the indoor unit. Of course, the remote controller can display the time to clean the filter.

4 Expansion of system control

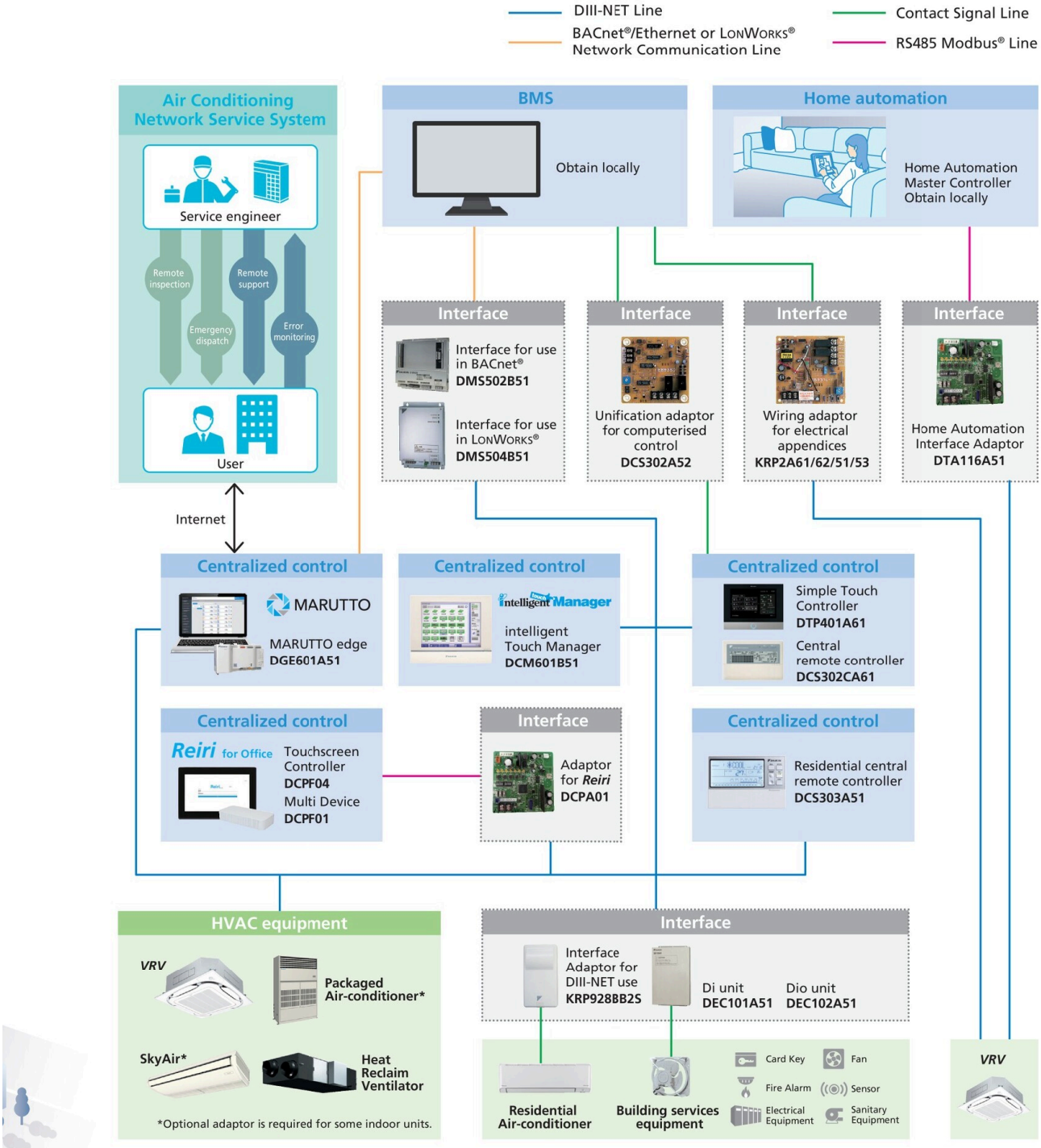
The system can be expanded to add several controllers, such as BMS, Forced OFF input and etc.

Control Systems

Centralized control lineup



Integrated system overview



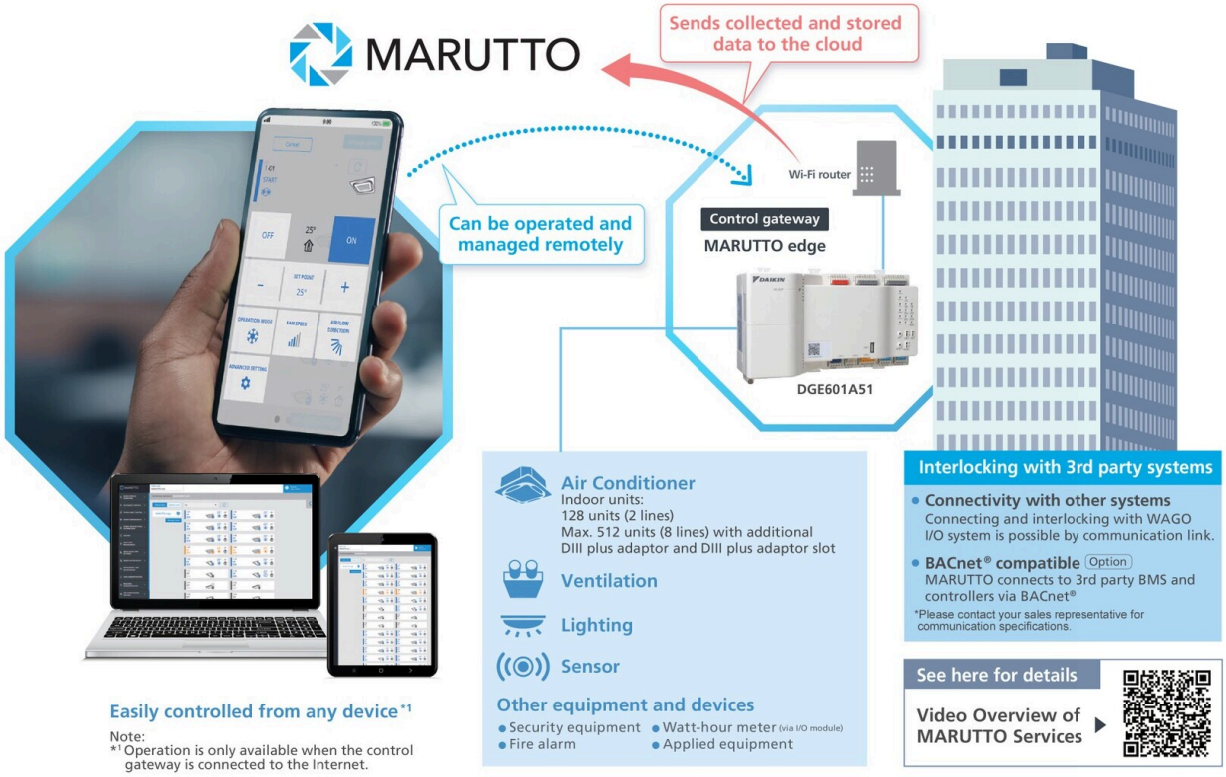
Caution: Limitation may apply to some models and functions. Please contact your local sales office for details.
Consultation is necessary before employing this control system. Please contact your local sales office before making a purchase.

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

Control Systems

New Cloud-based HVAC management service

MARUTTO 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.



Note:
*1 Operation is only available when the control gateway is connected to the Internet.

Air Conditioner
Indoor units:
128 units (2 lines)
Max. 512 units (8 lines) with additional DIII plus adaptor and DIII plus adaptor slot

Ventilation

Lighting

Sensor

Other equipment and devices
- Security equipment
- Fire alarm
- Watt-hour meter (via I/O module)
- Applied equipment

Interlocking with 3rd party systems

- **Connectivity with other systems**
  Connecting and interlocking with WAGO I/O system is possible by communication link.
- **BACnet® compatible** Option
  MARUTTO connects to 3rd party BMS and controllers via BACnet®

*Please contact your sales representative for communication specifications.

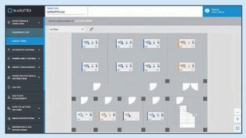
See here for details

Video Overview of MARUTTO Services

Remote monitoring and control

- Multi-Device Support
- Multi-Site Management

- Layout View



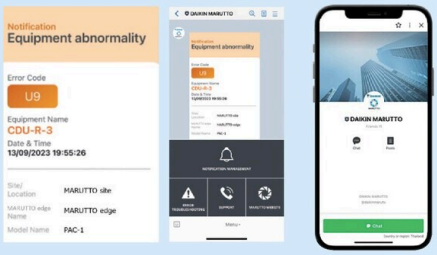
- Map View

Centralized control

- Interlocking Control of Devices
- User Administration Function
- Schedule Control

Peace of mind service maintenance

- Error Notification Email
- Social Media Support (Option)



- Remote Emergency Operation (Option)

Optimize energy usage

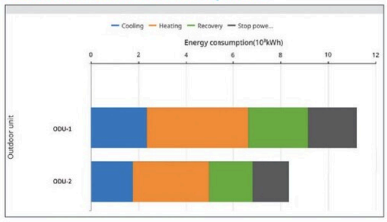
- Energy Visualization
  See page 94
- Demand Control (Option)
  See page 94
- Operation Data Output Function
- PPD Function (Option)
- Energy-Saving Simulation

Energy Visualization

Provides graphs of energy consumption to uncover inefficient operation

Energy consumption

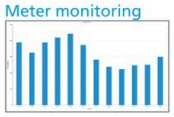
Outdoor unit consumption



Thermal environment

Operating monitoring

Meter monitoring



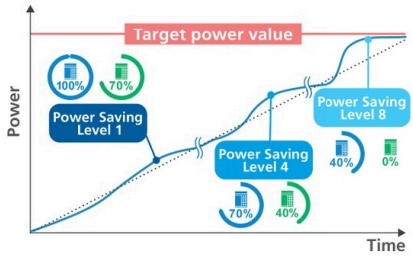
Demand Control (Option)

Reliably cuts power peaks without sacrificing comfort

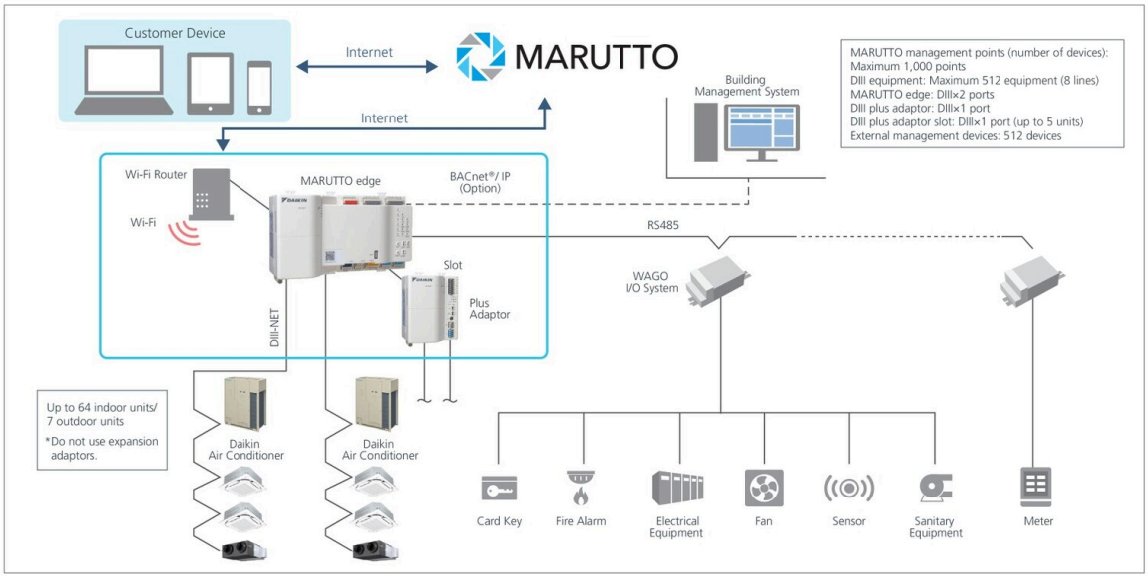
As the power saving level increases, the power consumption reduction effect also increases.

Control power consumption with three measures	• Thermo-Off of indoor unit • Set temperature shift of indoor unit • Outdoor unit capacity limit

Demand control image



MARUTTO System Overview



MARUTTO (standard specifications)

Common Name	Control gateway	Plus adaptor (sold separately)	Slot (sold separately)
Item Name	MARUTTO edge	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 × 146 × 81.2 (mm)	97.2 × 146 × 81.2 (mm)	25.2 × 146 × 64.2 (mm)
Weight	0.97kg	0.69kg	0.13kg

* Refer to the MARUTTO individual catalogue for details.

Control Systems

Advanced control systems for *VRV* systems

touch intelligent Manager

DCM601B51

Various types of equipment in a building can be controlled by a single controller.

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

Individual air-conditioning control

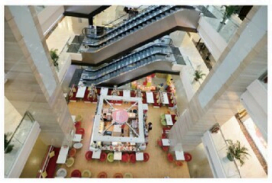
The flexible control achieved by the ***VRV*** system precisely meets different air conditioning needs in each room (e.g. offices, conference rooms, hotel rooms).

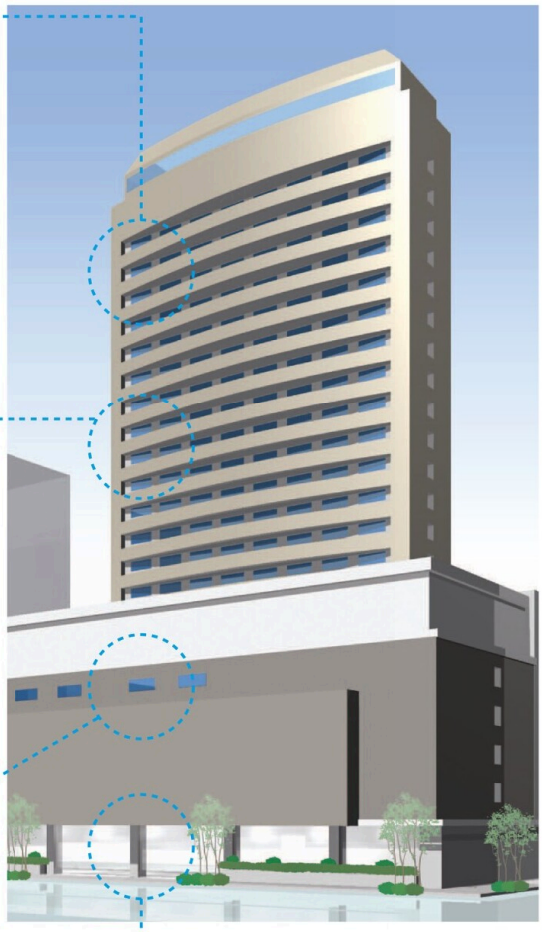
Lighting control DALI-compatible

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.

Pump

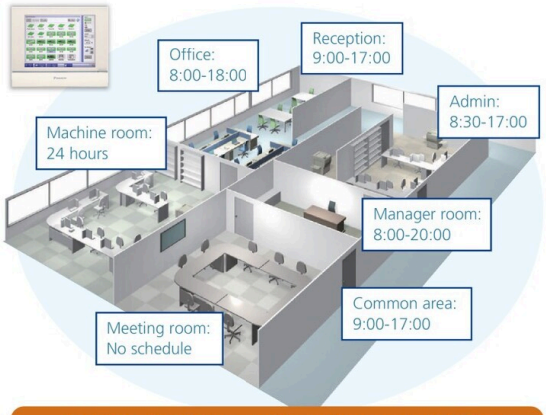
Fan

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.

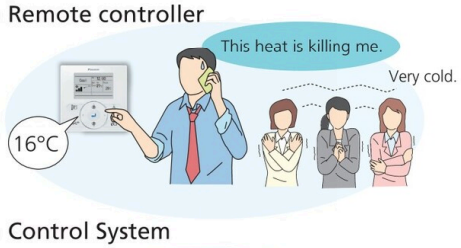
Schedule the operation time for each application.



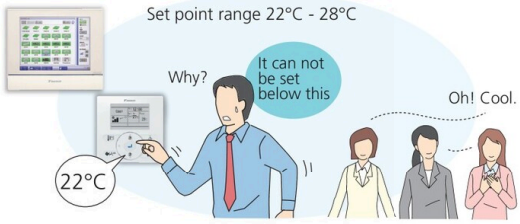
Setting the I-demand function and nighttime quiet operation function is also possible.

Define the setpoint range that users can change.

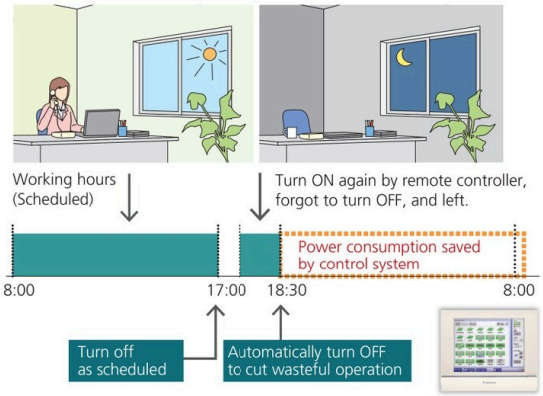
With Remote controller



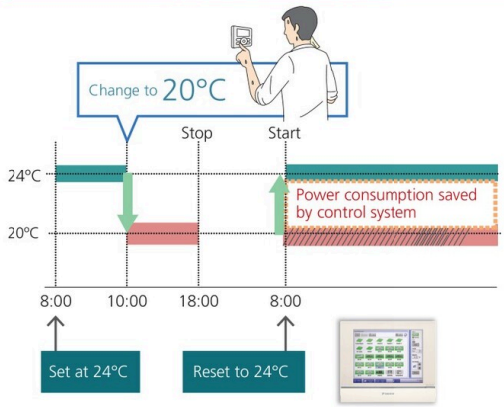
With Control System



Turn the unit OFF if a user didn't.



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

DALI-compatible

Please contact your local sales office for details.

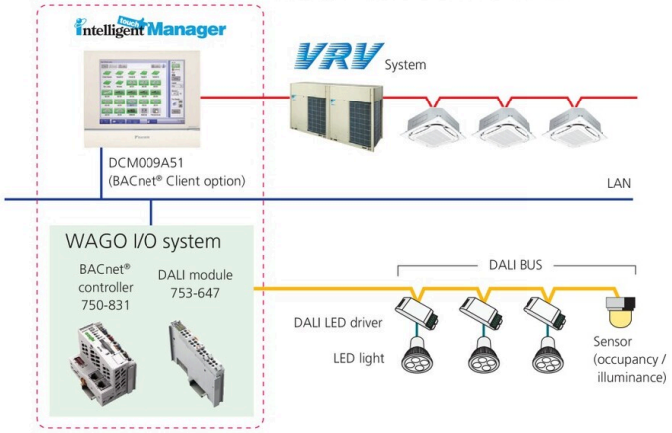
Simple wiring (daisy chain) enables management of LED lighting by the ***intelligent Touch Manager***. Various air conditioning and lighting control is enabled through the interlock with occupancy sensors and illuminance sensors.

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

Air conditioning and lighting for which power consumption is high can be efficiently controlled to promote energy conservation and cost reduction!

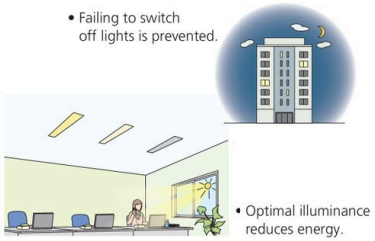


Overview of control
- Up to 5 DALI modules can be connected to a single BACnet® controller.
- Up to 64 DALI LED drivers (64 addresses) can be connected to a single DALI module.
- 64 DALI addresses can be freely assigned to up to 16 groups using a single DALI module. (Each group corresponds to a management 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

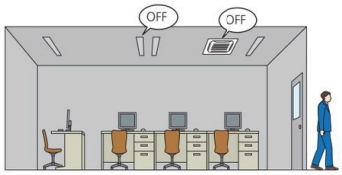
Case 1

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



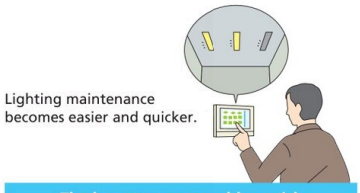
Case 2

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.



The layout screen enables quick identification of specific locations.

Tenant management

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

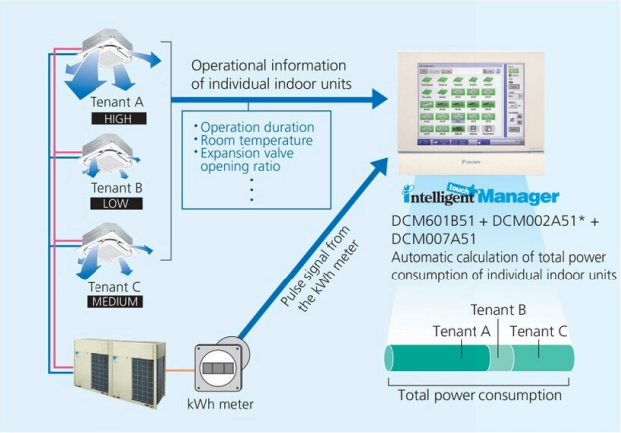
With the PPD function, power consumption can be calculated for each indoor unit (Option)

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.



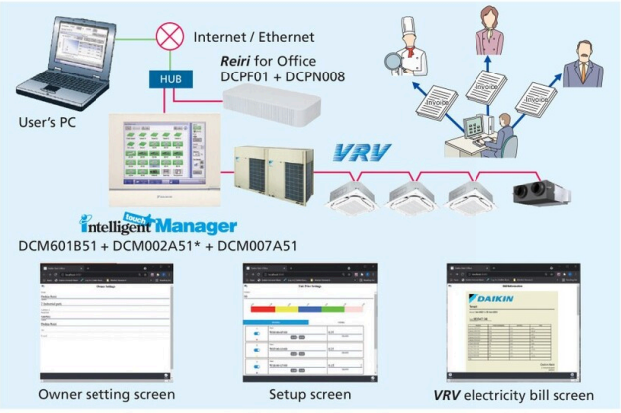
*PPD (Power Proportional Distribution) is Daikin's proprietary calculation method.

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)



*PPD (Power Proportional Distribution) is Daikin's proprietary calculation method.

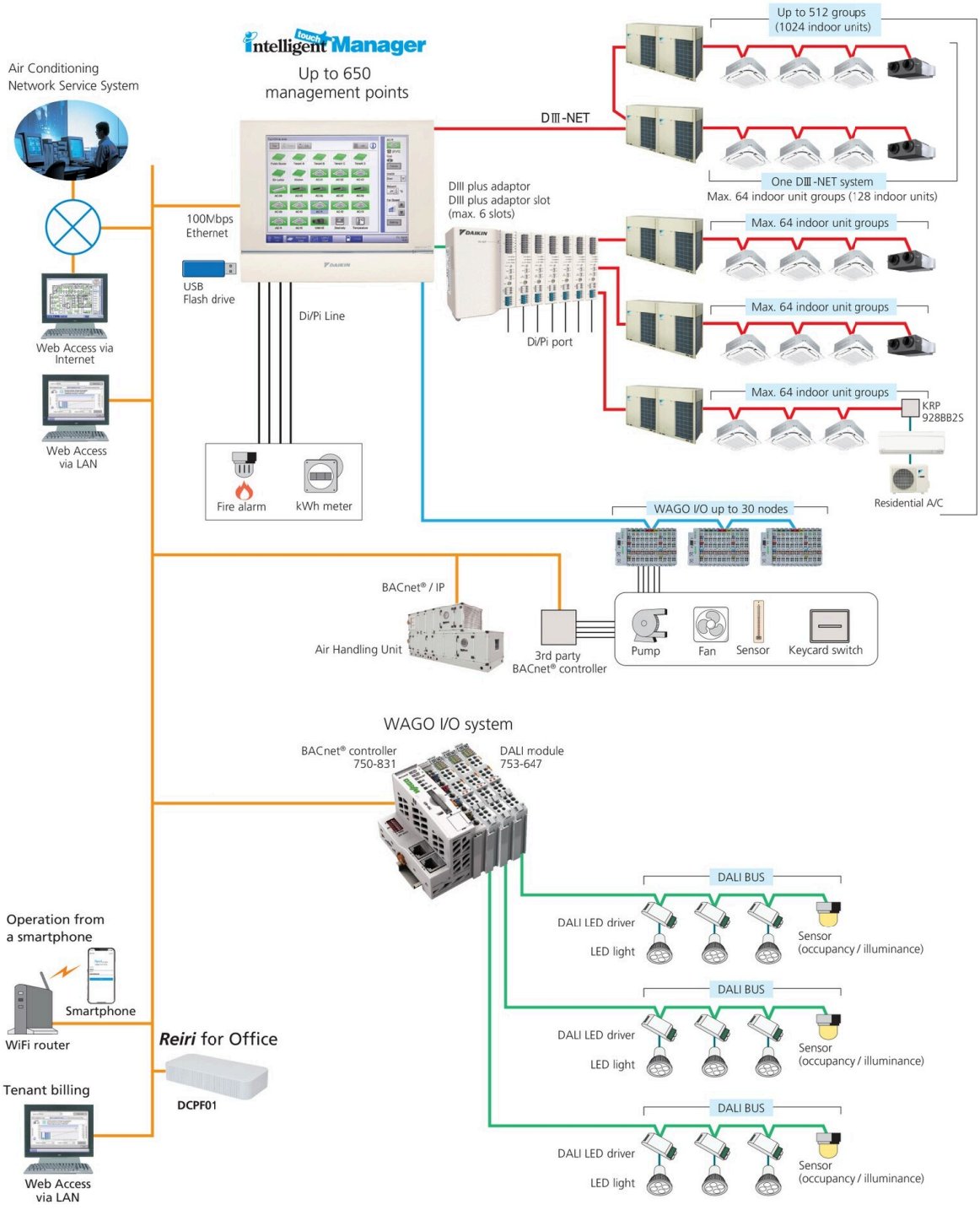
Effective service functions offered to tenants

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.

Control Systems

intelligent Touch Manager system overview



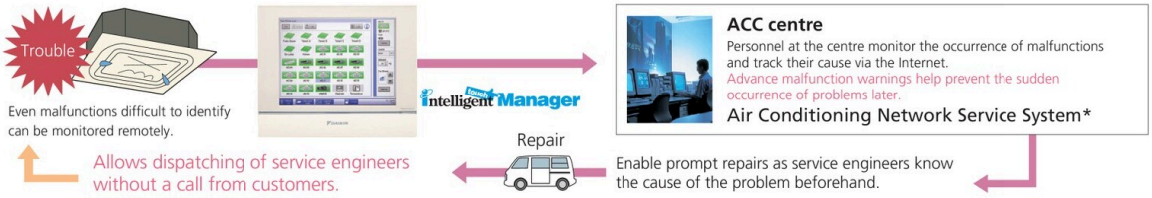
Air conditioning network service system

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.



*Because of restrictions in applicable areas and release times, please consult a Daikin representative separately for details.

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

BACnet®
Seamless connection between ***VRV*** system and BACnet® open network protocol.

DMS502B51 (Interface for use in BACnet®)

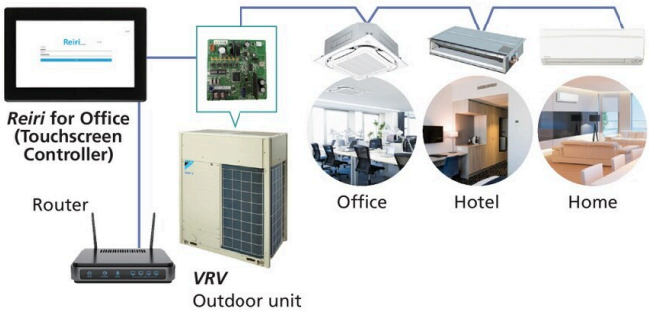
LonWorks®
Facilitating the network integration of ***VRV*** system and LonWorks®

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



For Office	Building Automation System
For Home	Smart Home Solution
For Hotel	Air Conditioning Guestroom Interlocking Management

Reiri for Office
(Touchscreen Controller)

- ***Reiri*** for Office
- ***Reiri*** for Office (Controller Extension)
- ***Reiri*** for Office (Multisite Extension)
- ***Reiri*** for Home

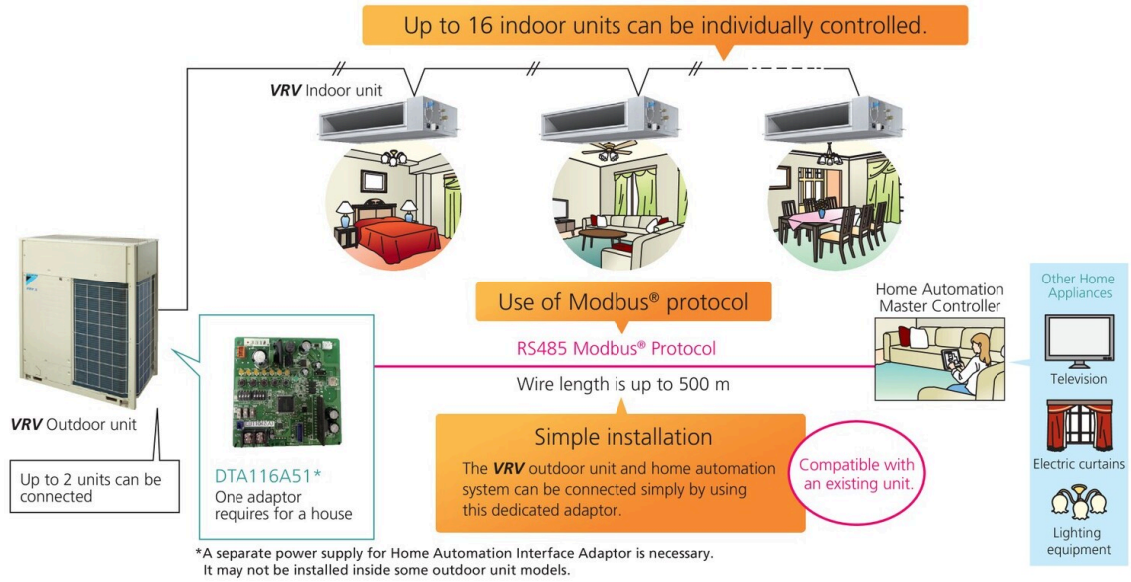
- ***Reiri*** for Home (Lite Version)
- ***Reiri*** for Hotel
- ***Reiri*** for Resort

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



*A separate power supply for Home Automation Interface Adaptor is necessary. It may not be installed inside some outdoor unit models.

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

Reiri

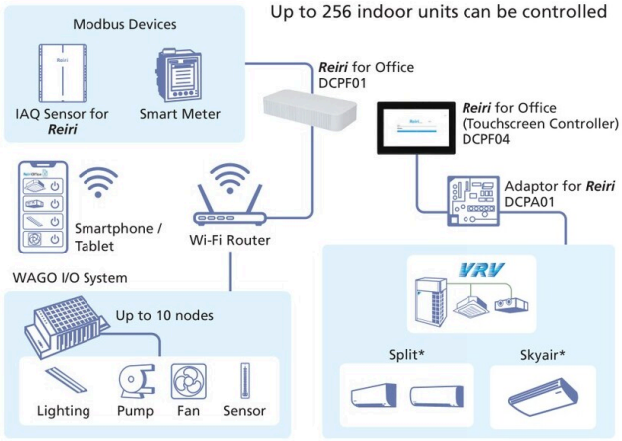
High value smart solution creation for different application

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 Control functions	Automatic changeover[1]	Number of changeover groups: 100
	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
Data Management	History, Report[1]	Operation data (latest information and operation report) and error report on daily/monthly basis.
	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

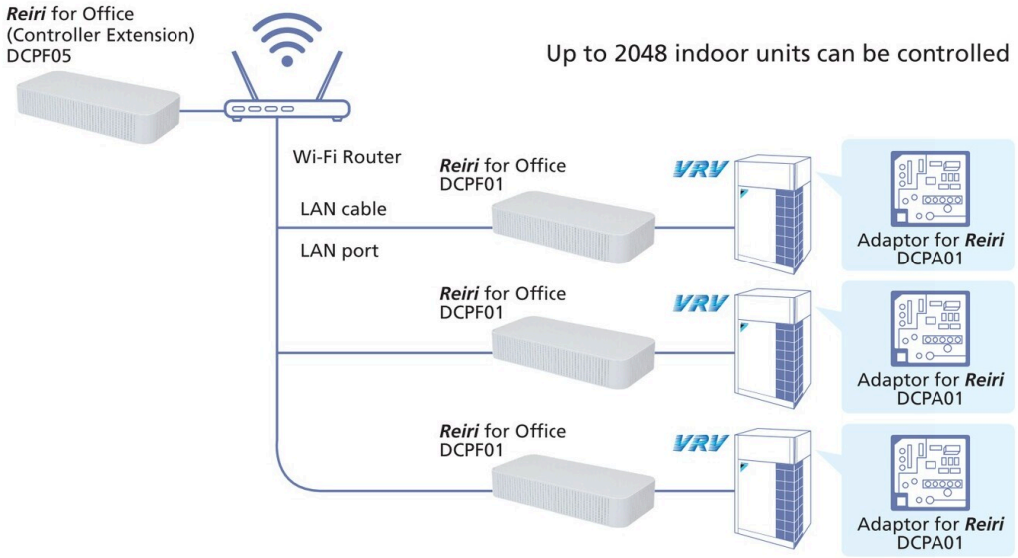
[1] Optional software for *Reiri* for Office, DCPF01
[2] Optional software for *Reiri* for Office (Touchscreen Controller), DCPF04

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.

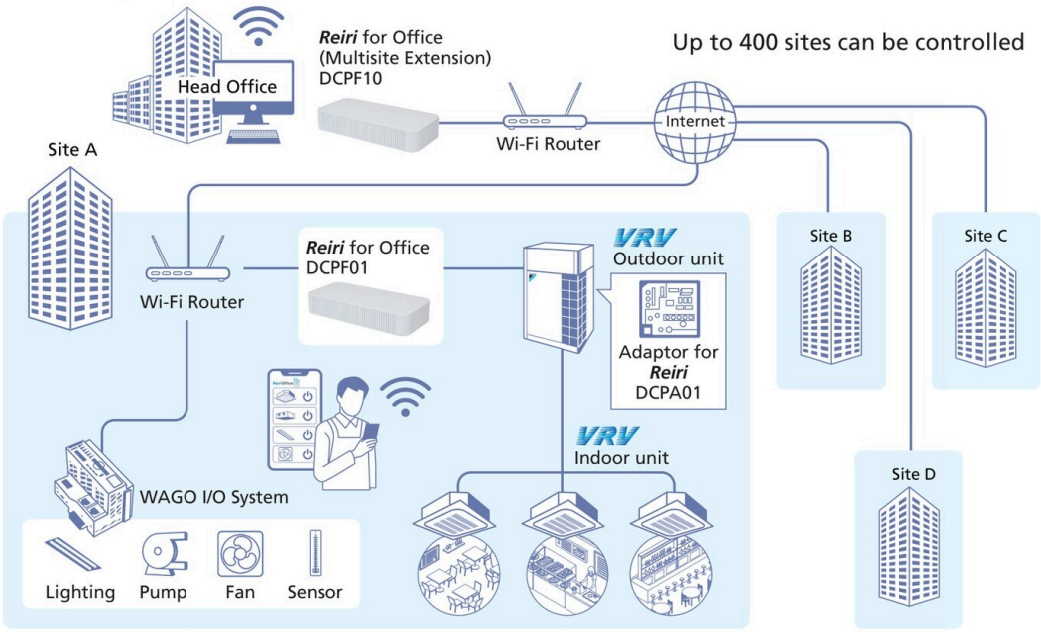
Note: P.P.D. & Tenant Billing Management and Real-Time Energy Monitoring (R.E.M.) are offered as optional software.



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)

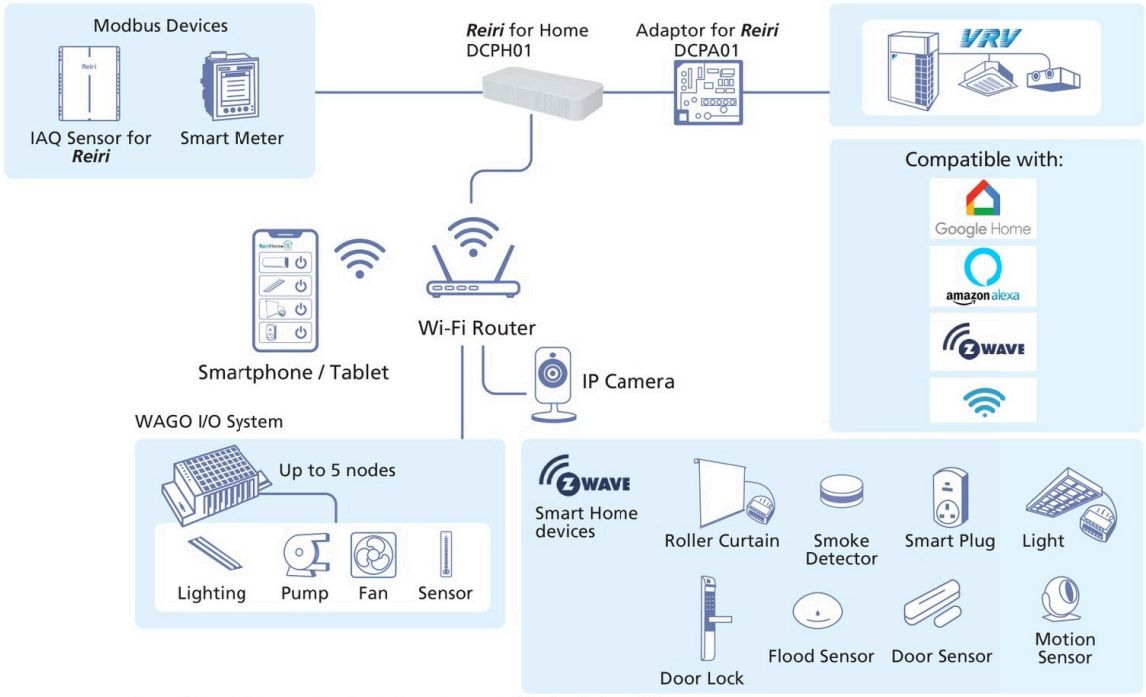
The complete smart home air conditioning solution for every homeowners with integration capabilities to allow ease and convenience of control for almost every smart devices

Complete Smart Home Solution

- Supports Zwave, WAGO, Modbus, LAN communication
- Convenience & Lifestyle
- IAQ Management
- Energy Management
- Home Security Solution
- Google Home Enabled

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

Up to 64 indoor units can be controlled



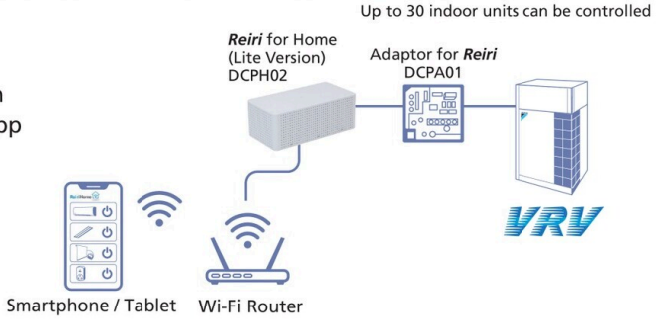
Notes: 1. Google Home and the Google Home logo are trademarks of Google LLC.
2. Amazon, Alexa and all related logos are trademarks of Amazon.com, Inc. or its affiliates.
3. Z-Wave® is a registered trademark of Sigma Designs and its subsidiaries in the United States and other countries.

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.

Up to 30 indoor units can be controlled



Control Systems

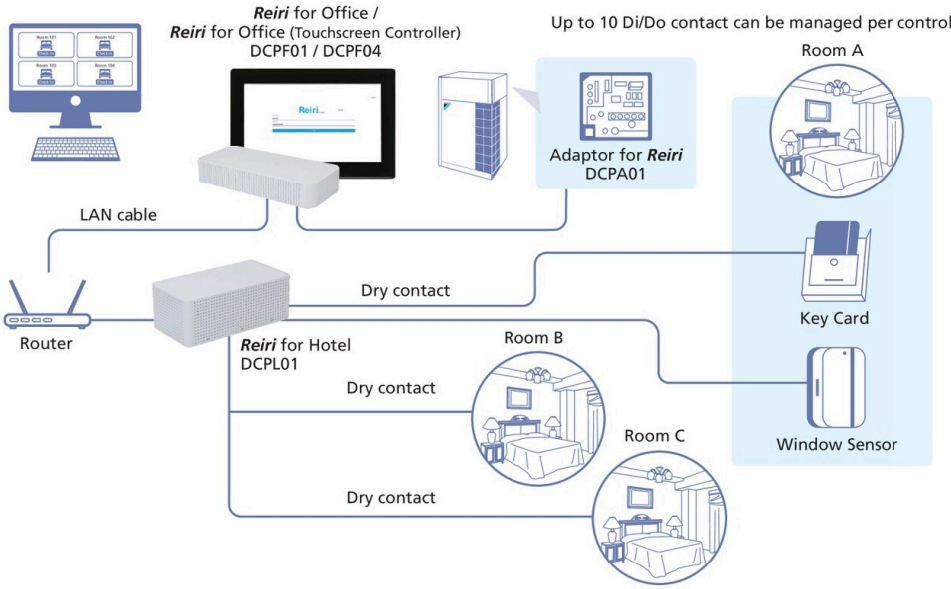
Hotel Air Conditioning Solution (*Reiri* for Hotel :DCPL01)

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

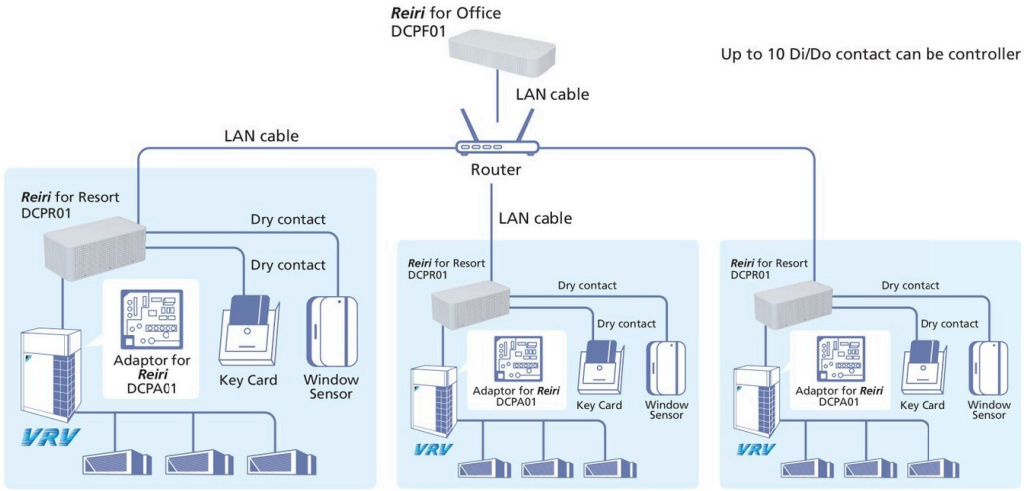
Note: The ***Reiri*** for Hotel controller has to be used with ***Reiri*** for Office / ***Reiri*** for Office (Touchscreen Controller) / ***Reiri*** for Office (Contoroller Extension) controller as building controller.



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



New Simple Touch Controller

Introducing the Simple Touch Controller – your perfect solution for individual, group and zone control. This central remote offers power on/off functionality and convenient timer settings. With the ability to constantly monitor the status of all connected systems, it provides real-time alerts and notifications.




GOOD DESIGN AWARD 2024

All in One Remote Controller

Combined functions of central remote controller, unified On/Off controller, and schedule timer.

Versatile Aesthetic

Sleek and minimalist design that seamlessly blends in with various interior style, from modern offices to upscale residences.

Intuitive Design

Easy to navigate and operate the controller with touch screen of 8 inch.

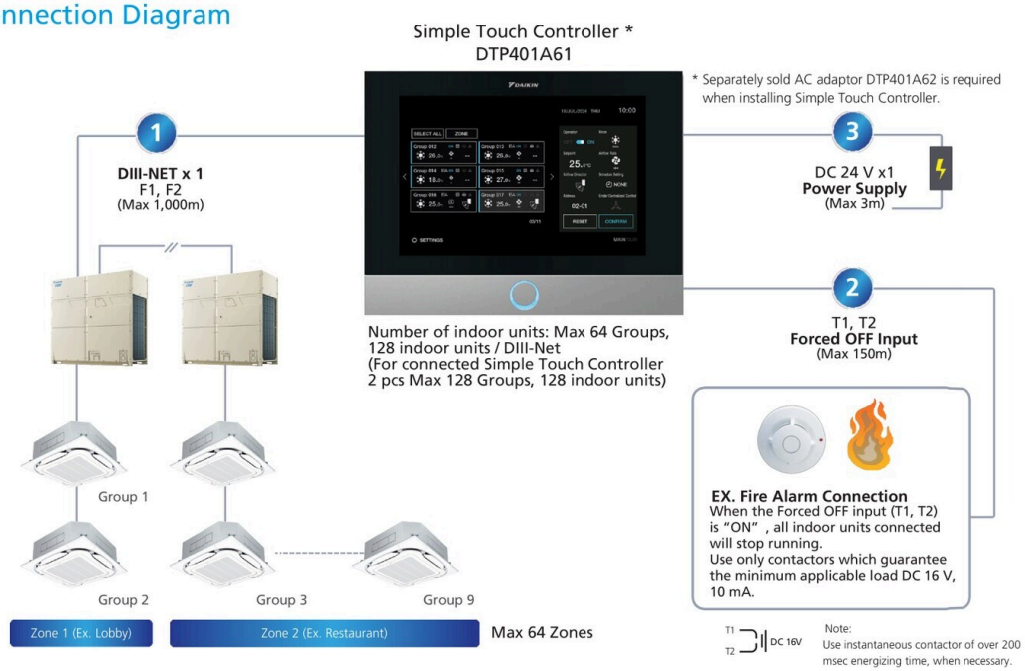
Flexibility and Adaptability

Suitable for a wide range of application across different environments.

Functions

Number of Management Groups	DIII-Net x 1 Port 64 Groups / 128 Units
Control	On/Off
	Temperature Setting
	Mode Setting
	Remote Control Acceptance / Rejection
	Air Flow Rate Setting
	Air Flow Direction Setting
	Weekly Schedule
Monitoring	On/Off Status
	Error
	Malfunction Code
	Filter Sign
	Fan Status
Other Controls	Daylight Saving Time
	Zone Control
	Forced OFF by External

Connection Diagram



Value Added

Daikin Advanced Solutions and Connected Solutions represent the next evolution in building comfort, efficiency, and sustainability. By combining Daikin's industry-leading expertise in air conditioning with proven digital technologies, these solutions go beyond traditional HVAC systems to deliver intelligent, data-driven performance. Through advanced analytics, IoT connectivity, and smart controls, Daikin empowers businesses to optimise energy usage, improve operational reliability, and enhance occupant comfort. Whether it's predictive maintenance or remote monitoring, Daikin's connected and advanced solutions are designed to create sustainability through technology innovation, resulting smarter, greener environments while reducing costs and ensuring long-term value.

INTERNET OF THINGS (IoT)

Provides real-time insights into indoor environment quality, energy use, and water consumption, empowering owners to optimise resources, improve occupant comfort, and drive sustainable operations.

EFFICIENCY MANAGEMENT

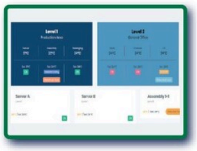
Continuously monitor air-conditioning system efficiency and earn **Green Mark Points** with consistent observation and system malfunction analysis.

IAQ MANAGEMENT

Monitors Indoor Air Quality and auto-correction to **ensure IAQ maintains at acceptable range.**

CONTROL MANAGEMENT

Optimize performance efficiency with ease anytime, anywhere.



FAULT MANAGEMENT

Obtain up-to-date fault and prediction reports and alerts via Smartphone App. This allows users to organise maintainance plans effectively.

Advanced Solutions

The future of intelligent building management lies in the powerful synergy between sophisticated energy management and superior indoor air quality (IAQ). By integrating smart systems that leverage continuous data-driven optimisation, we dynamically balance HVAC performance with advanced air purification. This approach doesn't just reduce your energy bills—it transforms your building into a data-informed, competitive asset that demonstrates a genuine commitment to sustainability, operational excellence, and occupant wellness

ENERGY

Non-Aircon	VRV	Efficiency Improvement
• Wireless Communication • Cloud Storage	• No meter required	• Save Energy • Decarbonization • Optimization

INDOOR AIR QUALITY

Kitchen Duct Cleaning	IAQ Monitoring	Steam Cleaning	Accredited Audits
• Robotic assisted	• Identify area to improve • Alert next cleaning cycle	• Mold Treatment • Indoor Smart Eco System	

Connected Solutions

In the modern industrial landscape, unplanned downtime is a critical threat to profitability and reliability. The transformative power of the Internet of Things (IoT), delivered through scalable Software as a Service (SaaS) platforms, lies in its ability to convert raw data acquisition from your assets into actionable intelligence, creating immense added value through the use of data. By enabling continuous monitoring of equipment health and performance, these IoT systems facilitate a rapid and precise response to potential issues before they escalate. This proactive approach, accessible without major upfront capital investment, is the cornerstone of ensuring operational continuity and building a truly resilient infrastructure, moving your organization from reactive firefighting to predictable, uninterrupted production.

IoT

Water Consumption	People Counting	Integrate Platform
• Comply GM • Low Cost • Convenient	• Retail • Hotel • Office	• Data from other source

DOWNTIME MANAGEMENT

Preventive	Predictive	Emergency Recovery
• Continuity Operation • Cost Management • Reduce unforeseen breakdown		• Support from Daikin Japan • Insight Report

Streamer Duct Chamber

New BDEZ-A Series

Utilising Streamer technology to ducted indoor unit

Display panel

Lineup

Model	BDEZ500A60VE	BDEZ500A140VE	BDEZ500A510VE
Airflow range (CMH)	80-600	500-1400	1200-5100

STREAMER

Presentation Movie

Functionality Streamer Duct Chamber Internal Structure

Dust collection filter (MERV 14) catches bacteria and viruses and prevents them from entering the room.

Dust Collection Filter (MERV 14)

Particulate matter as small as 2.5 µm (micrometers) can be breathed deep into the lungs. Rest assured that your air remains clean as the filter is able to remove particulate matter as small as PM2.5 with Dust Collection Filter (MERV 14) ratings in accordance to ASHRAE 52.2 Standards.

Product: Streamer Duct Chamber (Line-Up 1,2,3)
Testing Organization: Goldensea
Test Number: GS-GL-0817-2021-01/02, GS-GL-0818-2021-01
Test Method: Filter performance test based on ASHRAE 52.2-2017
Test result: The filter meets MERV 14 rating.

Standard 52.2 Minimum Efficiency Reporting Value	Composite Average Particle Size Efficiency, % in Size Range, µm		
	Range 1 (0.3-1.0)	Range 2 (1.0-3.0)	Range 3 (3.0-10.0)
14	75%	90%	95%

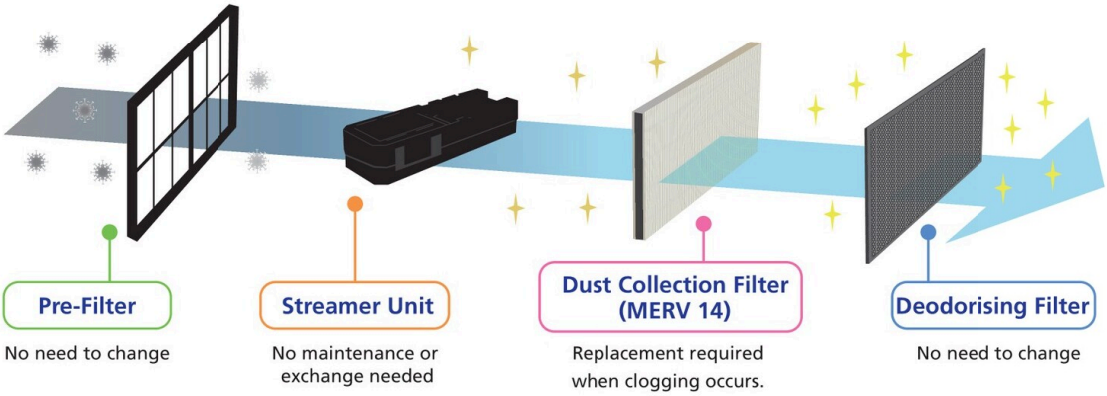
Dust Collection Filter (MERV 14) Replacement Period

Air Quality Condition	Dust concentration (µg/m³)		Replacement period
	PM2.5	PM10	
Case 1	18.5	28.5	12 months
Case 2	35	65	6 months

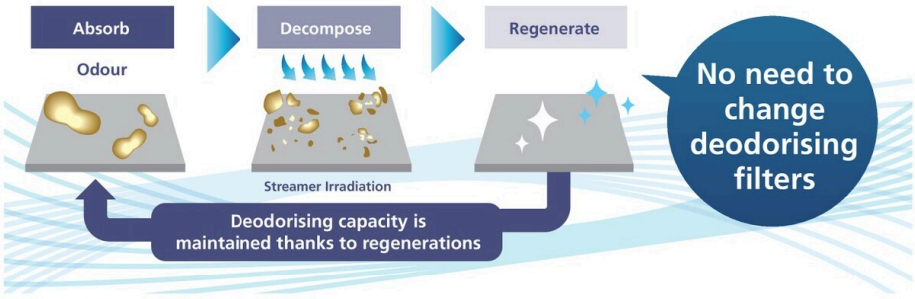
Replace with a new filter when clogging occurs. The left table shows the approximate replacement time when daily operation is 9 hours and annual operation are 240 days. It shows the calculation result for two air conditions. Adjust the replacement timing in consideration of the air environment in the area where the product is actually installed and the time and day it is operated.

Streamer Duct Chamber

Filters Mechanism



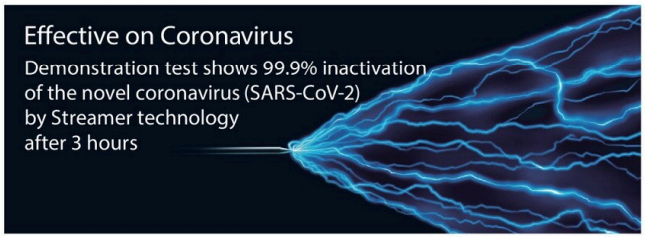
Deodorising Filter



Stability Streamer Technology

Streamer technology decomposes harmful substances caught by the filter. See page 27-28

Streamer technology is a unique Daikin technology that decomposes viruses, bacteria, allergens such as pollen, hazardous chemical substances such as formaldehyde, and odours with strong decomposing power.



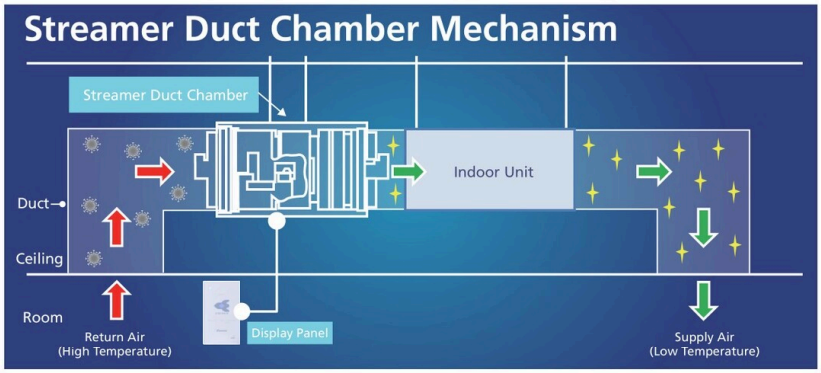
DAIKIN Streamer Research Institute

Flexibility

Connectable Air Conditioning

Multiple combination of ducted unit

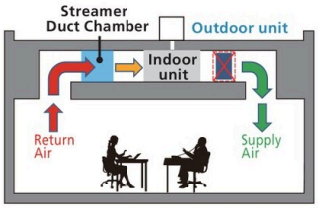
* Any ducted type indoor units except FXDSQ/FXDQ models are connectable. Refer to option list of indoor unit for details of connected models.



Installation Conditions

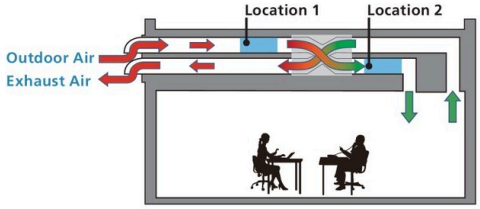
Duct Type Indoor Unit

Streamer Duct Chamber must be installed before the air conditioner unit to avoid condensation issue due to cold air draft.



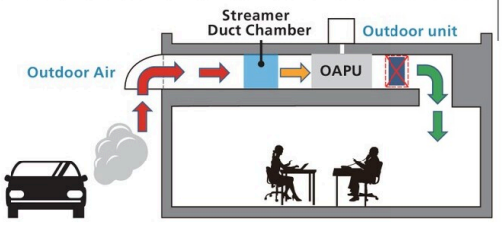
Heat Reclaim Ventilator

Streamer Duct Chamber can be installed in either Location 1 or Location 2. However, Location 1 is highly recommended in order to avoid VAM from getting dirty with the outdoor polluted air.



Outdoor-Air Processing Unit

Streamer Duct Chamber must be installed before the air conditioner unit to avoid condensation issue due to cold air draft. Besides, it can avoid the outdoor-air processing unit from getting dirty with the outdoor polluted air.



Streamer Duct Chamber

Specifications

MODEL				
		BDEZ500A60VE	BDEZ500A140VE	BDEZ500A510VE
Power supply		1 phase, 220-240 V/220 V, 50/60 Hz		
Casing dimensions	H (mm)	269	269	318
	W (mm)	419	819	1419
	D (mm)	418	418	653
Operating temperature	°C	-10 to 50		
Operating humidity	%	Max. 80%RH		
Airflow rate	CMH	80 - 600	500 - 1400	1200 - 5100
Initial pressure drop	Pa	5 - 59	18 - 76	16 - 156
Dust collection filter (MERV 14) lifespan	Months (based on median CMH)	12	12	12
Weight	kg	13	19	38
Power consumption	W	6.0	8.5	11.0
Sound pressure level		No increase in Sound Pressure Level as overall system		
Filters quantity	Pre-filter	1	2	4
	Dust collection filter (MERV14)	1	2	4
	Deodorising filter	1	2	4
Replacement filter dust collection filter (MERV 14)		BAFH500A60 (1pc)	BAFH500A140 (2pcs)	BAFH500A510 (4pcs)
Dimensions H×W×D	mm	221 × 392 × 50 (referring to 1pc only)		450 × 343 × 50 (referring to 1pc only)
Working method		DP sensor		

Precision Piping Method

A smarter way to connect refrigerant piping for *VRV* installations

Using TIGHTFIT (Daikin Gas Tight Joint) ensures safety, easy connection work and quick installation. In addition, heavy equipment, such as gas cylinders used for brazing, becomes unnecessary.

TIGHTFIT

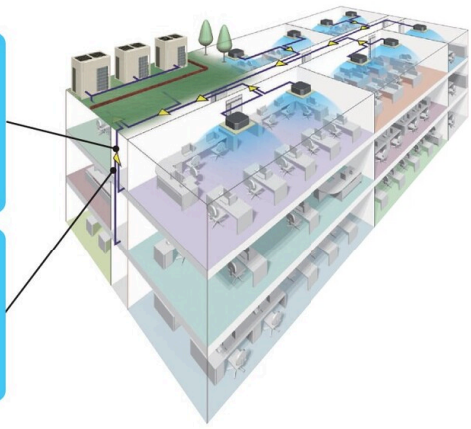
TIGHTFIT
(Daikin Gas Tight Joint)

- ✓ Easy installation by tightening with a wrench
- ✓ Metal seal to eliminate gas leaks
- ✓ Function to prevent insufficient nut tightening

Non-Brazed REFNET Joint

Non-Brazed REFNET Joint

- ✓ Non-Brazed connection
- ✓ Directly connects to Tightfit
- ✓ Insulation material conforms to British Standard fire protection



Innovative problem solving for *VRV* refrigerant piping installation

Shorter installation time

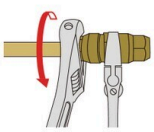
Easy piping work significantly shortens installation time.
This makes installation possible for projects with short deadlines while reducing labor costs.

Safety for Fire

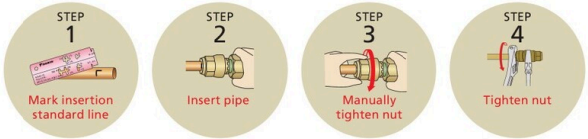
Because no brazing is involved, installation is safe with no danger of fire.
This makes it ideal for installation in renewal projects.

Easy work

- Torque for tightening nut is lower than the torque of the flare nut.
- Work can be safely performed even in high locations.
- Two wrenches are used to tighten pipe connection. (No special tools required.)



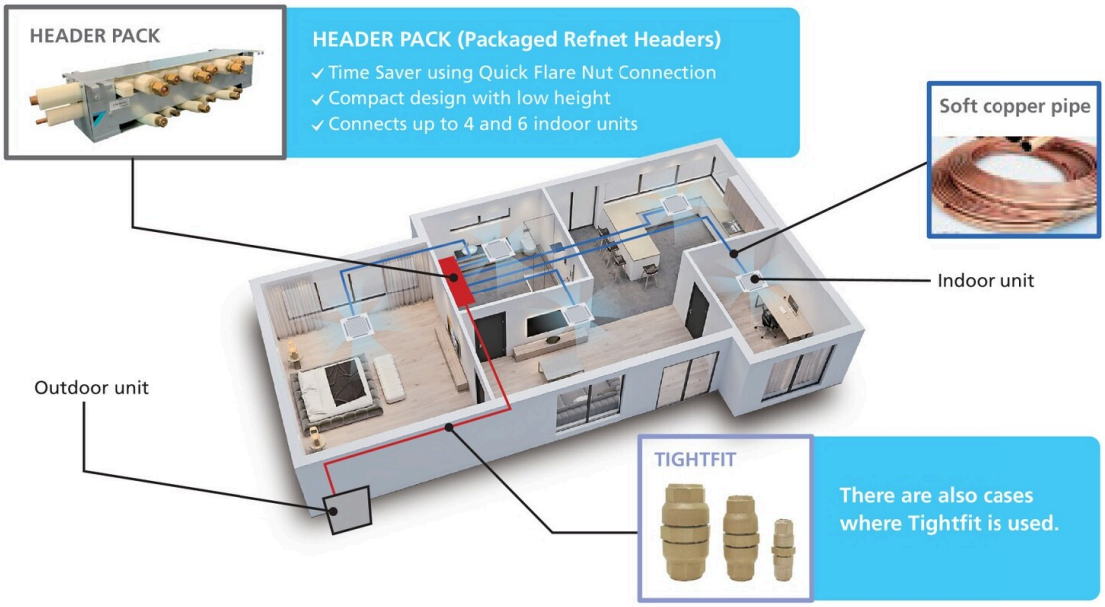
Installation completed in 4 steps



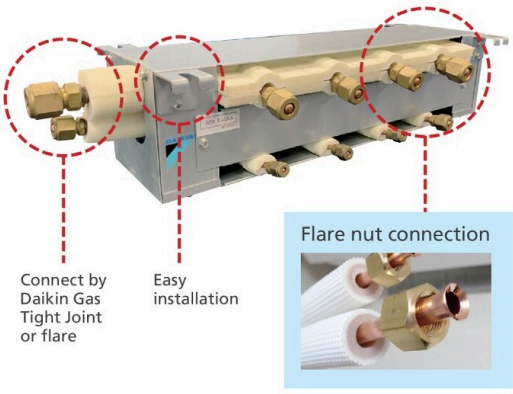
Precision Piping Method

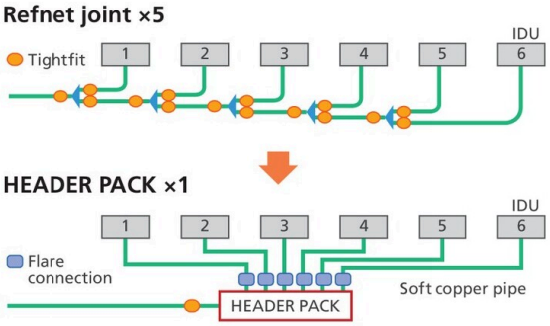
Easy piping connection for residential installations

When installing a small-size ***VRV*** in a residential home, we suggest using a header pack to reduce construction and simplify installation. This also eliminates the need for heavy tools.



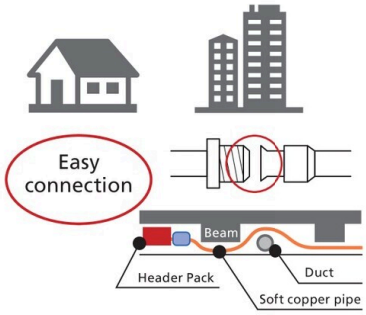
HEADER PACK





Benefits of Header Pack

- Ideal for small-size properties and condominiums
- Fewer piping connections
- Flare connection makes it easy to connect
- Easy installation with substantial use of soft copper pipes (Good workability in high places and narrow spaces.)



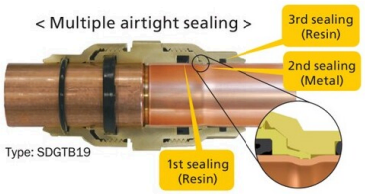
TIGHTFIT (Daikin Gas Tight Joint)

Easy to fit, tight connection

Quality assurance

Conforms to ISO14903

Tightness test: P=4.3MPa;
Test medium: 100% Helium, T=22°C
Max leakage: 7.5 x 10-7 Pa·m³ /s or less.
Vacuum test: 6.5kPa in absolute

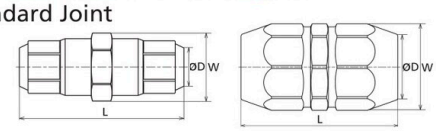


TIGHTFIT full lineup

Standard Joint		Asymmetry Joint		90° Bend Joint		Test Plug	
							
Size	Model name	Size	Model name	Size	Model name	Size	Model name
ø6.35	SDGTB06	ø9.52-6.35	SDGTB0906	-	-	ø6.35	SDGTKB06
ø9.52	SDGTB09	ø12.70-9.52	SDGTB1209	-	-	ø9.52	SDGTKB09
ø12.70	SDGTB12	ø15.88-12.70	SDGTB1512	-	-	ø12.70	SDGTKB12
ø15.88	SDGTB15	ø19.05-15.88	SDGTB1915	-	-	ø15.88	SDGTKB15
ø19.05	SDGTB19	ø22.22-19.05	SDGTB2219	-	-	ø19.05	SDGTKB19
ø22.22	SDGTB22	ø25.40-22.22	SDGTB2522	ø22.22	SDGTLB22	ø22.22	SDGTKB22
ø28.58	SDGTB28	ø28.58-25.40	SDGTB2825	ø28.58	SDGTLB28	ø28.58	SDGTKB28
ø34.92	BDGTA34	ø34.92-28.58	SDGTB3428	-	-	-	-
ø41.28	BDGTA41	-	-	-	-	-	-

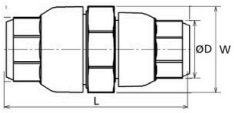
Dimension & weight

Standard Joint



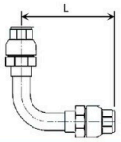
Size	L (mm)	W (mm)	Weight (g)
ø6.35	50.4	15.0	43.0
ø9.52	55.0	19.9	79.0
ø12.70	59.0	23.5	113.0
ø15.88	74.0	30.0	210.0
ø19.05	76.8	34.6	273.0
ø22.22	83.4	40.2	292.0
ø28.58	88.0	46.7	515.0
ø34.92	101.5	51.1	686.0
ø41.28	103.5	58.3	881.0

Asymmetry Joint



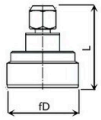
Size	L (mm)	W (mm)	Weight (g)
ø9.52-6.35	52.7	19.9	67.0
ø12.70-9.52	57.5	23.5	101.0
ø15.88-12.70	65.0	30.0	164.0
ø19.05-15.88	76.8	34.6	244.0
ø22.22-19.05	81.5	40.2	358.0
ø25.40-22.22	85.8	43.5	444.0
ø28.58-25.40	88.1	46.7	505.0
ø34.92-28.58	101.5	51.1	645.0

90° Bend Joint



Size	L (mm)	Weight (g)
ø22.22	120.0	655.7
ø28.58	145.0	968.4

Test Plug



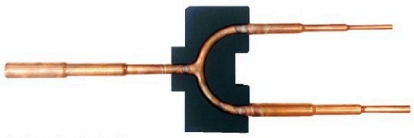
Size	L (mm)	W (mm)	Weight (g)
ø6.35	43.0	15.0	53.0
ø9.52	44.0	20.0	67.6
ø12.70	46.0	23.0	73.4
ø15.88	50.0	30.0	96.6
ø19.05	52.0	34.0	111.7
ø22.22	54.0	40.0	135.6
ø28.58	54.0	46.0	146.0

Precision Piping Method

Non-Brazed REFNET Joint

Direct connection to TIGHTFIT

This kit is designed as a refrigerant branch kit for connecting the main and branch pipes of ***VRV*** indoor units without brazing.



※ Insulation included

Lineup

Indoor unit total capacity index	Model name	
	2 pipes	3 pipes
X < 290	BHRG26A33T	BHRG25A33T
290 ≤ X < 640	BHRG26A72T	BHRG25A72T
640 ≤ X	BHRG26A73T	BHRG25A73T

Case 1: If the pipe of the REFNET joint has the same size as the field pipe, cut it at the same size and connect it to the field pipe with the standard type of Daikin Gas Tight Joint.

Case 2: If the pipe of the REFNET joint has not the same size as the field pipe, use the Asymmetry joint (Reducer).

HEADER PACK (Packaged Refnet Headers)

Simple & Quick Installation

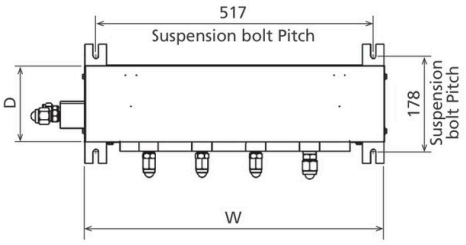
HEADER PACK Lineup

Model name	Outdoor unit side	Indoor unit side (Flare)			Indoor unit total capacity index	Dimension (mm)		
	Liquid / Gas (mm)	Port		Liquid / Gas (mm)		H	D	W
BHF6RHP6Z	9.5 / 15.9 (Flare)	4	Large ×1	ϕ9.5 / ϕ15.9	≤150	135	143	559
			Small ×3	ϕ6.4 / ϕ12.7				
BHF6ARHP6Z	9.5 / 15.9 (Flare)	6	Large ×2	ϕ9.5 / ϕ15.9	≤150	135	143	623
			Small ×4	ϕ6.4 / ϕ12.7				
BHF8RHP6Z	9.5 / 19.1 (Daikin Gas Tight Joint)	6	Large ×3	ϕ9.5 / ϕ15.9	≤200	135	143	623
			Small ×3	ϕ6.4 / ϕ12.7				
BHF10RHP6Z	9.5 / 22.2 (Daikin Gas Tight Joint)	6	Large ×3	ϕ9.5 / ϕ15.9	<290	135	143	623
			Small ×3	ϕ6.4 / ϕ12.7				
BHF16RHP6Z	12.7 / 28.6 (Daikin Gas Tight Joint)	6	Large ×3	ϕ9.5 / ϕ15.9	<420	135	143	623
			Small ×3	ϕ6.4 / ϕ12.7				

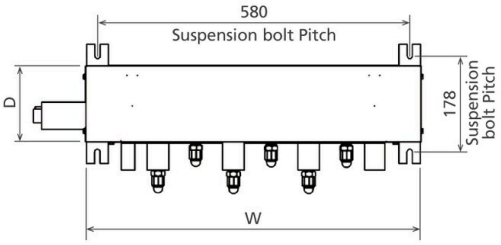
4 port type

6 port type

BHF6RHP6Z



BHF6ARHP6Z,BHF8/10/16RHP6Z



Option List

Outdoor units

VRV 6 X-SERIES Standard Type

No.	Item \ Type		RXUQ6B RXUQ14B RXUQ8B RXUQ16B RXUQ10B RXUQ18B RXUQ12B RXUQ20B	RXUQ22B RXUQ32B RXUQ24B RXUQ34B RXUQ26B RXUQ36B RXUQ28B RXUQ38B RXUQ30B RXUQ40B	RXUQ42B RXUQ52B RXUQ44B RXUQ54B RXUQ46B RXUQ56B RXUQ48B RXUQ58B RXUQ50B RXUQ60B
1	Distributive piping*1	REFNET header	KHRP26M22H (Max. 4 branch), KHRP26M33H (Max. 8 branch), KHRP26M72H (Max. 8 branch), KHRP26M73H (Max. 8 branch)		
		REFNET joint	KHRP26A22T, KHRP26A33T, KHRP26A72T, KHRP26A73T		
		Pipe size reducer	KHRP26M73HP, KHRP26M73TP		
		Non-Brazed REFNET Joint for TIGHTFIT	BHRG26A33T, BHRG26A72T, BHRG26A73T		
2	Outdoor unit multi connection piping kit		–	BHFP22R135	BHFP22R168

VRV 6 X-SERIES Free Combination Type

Item \ Type			RXUQ14B RXUQ18B RXUQ16B RXUQ20B	RXUQ26B RXUQ32B RXUQ38B RXUQ44B RXUQ28B RXUQ34B RXUQ40B RXUQ46B RXUQ30B RXUQ36B RXUQ42B RXUQ48B
1	Distributive piping*1	REFNET header	KHRP26M22H (Max. 4 branch), KHRP26M33H (Max. 8 branch), KHRP26M72H (Max. 8 branch), KHRP26M73H (Max. 8 branch)	
		REFNET joint	KHRP26A22T, KHRP26A33T, KHRP26A72T, KHRP26A73T	
		Pipe size reducer	KHRP26M73HP, KHRP26M73TP	
		Non-Brazed REFNET Joint for TIGHTFIT	BHRG26A33T, BHRG26A72T, BHRG26A73T	
2	Outdoor unit multi connection piping kit		BHFP22P100	BHFP22P151

Note: *1. The appropriate REFNET parts should be selected to match the total capacity index of indoor units connected below each REFNET, based on the installation manual.

REFNET joint
(KHRP26A22/33/72/73T)

Non-Brazed REFNET Joint for TIGHTFIT
(BHRG26A33/72/73T)

Option PCB

No.	Item \ Type	RXUQ6B RXUQ14B RXUQ22B RXUQ30B RXUQ38B RXUQ46B RXUQ54B RXUQ8B RXUQ16B RXUQ24B RXUQ32B RXUQ40B RXUQ48B RXUQ56B RXUQ10B RXUQ18B RXUQ26B RXUQ34B RXUQ42B RXUQ50B RXUQ58B RXUQ12B RXUQ20B RXUQ28B RXUQ36B RXUQ44B RXUQ52B RXUQ60B
1	DIII-NET expand adaptor + Wire harness adaptor kit	DTA109A51 + BER11A
2	External control adaptor	DTA104A62
3	Home Automation Interface Adaptor + Wire harness adaptor kit	DTA116A51 + BER11B

Option List

VRV indoor units

Round Flow Cassette with Sensing and Streamer Type

No.	Item			Type	FXFTQ25A FXFTQ32A FXFTQ40A	FXFTQ50A FXFTQ63A FXFTQ80A	FXFTQ100A FXFTQ125A FXFTQ140A
1	Decoration panel	Standard panel with sensing		Fresh white	BYCQ125EEF		
				Black	BYCQ125EEK		
		Standard panel		Fresh white	BYCQ125EAF *		
				Black	BYCQ125EAK *		
		Designer panel [1, 12]		Fresh white	BYCQ125EAPF *		
		Auto grille panel [2, 3]		Fresh white	BYCQ125EBSF *		
2	Panel spacer				KDB55J160F		
3	Fresh air intake kit		Chamber type [4, 5, 6]	Without T-duct joint	KDDP55C160 (Components: KDDP55C160-1, KDDP55C160-2) [8]		
				With T-duct joint	KDDP55C160K (Components: KDDP55C160-1, KDDP55C160K2) [8]		
			Direct installation type [7]		KDDP55X160A		
4	High performance prefilter (MERV 8) [9]				BAF552A160		
5	Replacement long-life filter				KAF5511D160		
6	Replacement long-life filter (Auto grille panel)				KAF5512D160		
7	Branch duct chamber [4]				KDJP55C80		KDJP55C160
8	Insulation kit for high humidity [10, 11]				KDTP55K80B		KDTP55K160B

Round Flow Cassette with Streamer Type

No.	Item			Type	FXFRQ25A FXFRQ32A FXFRQ40A	FXFRQ50A FXFRQ63A FXFRQ80A	FXFRQ100A FXFRQ125A FXFRQ140A
1	Decoration panel	Standard panel		Fresh white	BYCQ125EAF *		
				Black	BYCQ125EAK *		
		Designer panel [1, 12]		Fresh white	BYCQ125EAPF *		
		Auto grille panel [2, 3]		Fresh white	BYCQ125EBSF *		
2	Panel spacer				KDB55J160F		
3	Fresh air intake kit		Chamber type [4, 5, 6]	Without T-duct joint	KDDP55C160 (Components: KDDP55C160-1, KDDP55C160-2) [8]		
				With T-duct joint	KDDP55C160K (Components: KDDP55C160-1, KDDP55C160K2) [8]		
			Direct installation type [7]		KDDP55X160A		
4	High performance prefilter (MERV 8) [9]				BAF552A160		
5	Replacement long-life filter				KAF5511D160		
6	Replacement long-life filter (Auto grille panel)				KAF5512D160		
7	Branch duct chamber [4]				KDJP55C80		KDJP55C160
8	Insulation kit for high humidity [10, 11]				KDTP55K80B		KDTP55K160B

Notes: 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 remote controller 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 name of both components instead of set name.
9. This option cannot be installed to designer panel and auto grille panel.
10. Please use in case temperature / humidity inside ceiling may get over 30°C, 80%RH.
11. For a panel and an option with a chamber, such as a Designer panel, Auto grille panel, UV Streamer air purifier unit, Ultra long-life filter unit, High-efficiency filter unit, and Fresh air intake kit chamber type, it is necessary to add insulation that is either glass wool or polyethylene foam with a thickness of 10 mm or more to the chamber area.
12. This option cannot apply when 2 and 3-way flow by using sealing material of air discharge outlet.
*These panels do not contain the sensing function

Round Flow Cassette with Sensing Type

No.	Item / Type			FXFSQ25A FXFSQ32A FXFSQ40A FXFSQ50A FXFSQ63A FXFSQ80A	FXFSQ100A FXFSQ125A FXFSQ140A
1	Decoration panel	Standard panel with sensing	Fresh white	BYCQ125EEF	
			Black	BYCQ125EEK	
		Standard panel	Fresh white	BYCQ125EAF *	
			Black	BYCQ125EAK *	
		Designer panel [1, 14]	Fresh white	BYCQ125EAPF *	
		Auto grille panel [2, 3]	Fresh white	BYCQ125EBSF *	
2	Sealing material of air discharge outlet [4]		For usage of 3-, 4-way flow	KDBH551C160	
			For usage of 2-way flow	KDBH552C160	
3	Panel spacer			KDB55J160F	
4	Fresh air intake kit	Chamber type [4, 5, 6]	Without T-duct joint	KDDP55C160 (Components: KDDP55C160-1, KDDP55C160-2) [8]	
			With T-duct joint	KDDP55C160K (Components: KDDP55C160-1, KDDP55C160K2) [8]	
		Direct installation type [7]		KDDP55X160A	
5	High-efficiency filter unit [9, 14] (Including filter chamber)	(Colorimetric method 65%)		KAF556D80	KAF556D160
		(Colorimetric method 90%)		KAF557D80	KAF557D160
6	Replacement high-efficiency filter [9, 10, 14]	(Colorimetric method 65%)		KAF552D80	KAF552D160
		(Colorimetric method 90%)		KAF553D80	KAF553D160
7	Filter chamber			KDDFP55C160	
8	UV Streamer air purifier unit (UV-chamber) [12, 14]			BAEF125AW1	
9	Replacement pleated filter (for UV streamer air purifier unit) (MERV 13) [12, 14, 15]			BAF55A125	
10	High performance prefilter (MERV 8) [9]			BAF552A160	
11	Replacement long-life filter			KAF5511D160	
12	Replacement long-life filter (Auto grille panel)			KAF5512D160	
13	Ultra long-life filter unit (Including filter chamber) [9]			KAF555D160	
14	Replacement ultra long-life filter [9, 10]			KAF550D160	
15	Branch duct chamber [4]			KDJP55C80	KDJP55C160
16	Insulation kit for high humidity [11, 13]			KDTP55K80B	KDTP55K160B

Notes:
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 remote controller 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 name 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.
12. This option cannot be installed with BYCQ125EAPF / BYCQ125EAK / BYCQ125EEK / KDBH551C160 / KDBH552C160 / KDTP55K80B/160B, and kit / filters that require a chamber (KDDP55C160/160K, KAF556D80/160, KAF557D80/160, KAF555D160, KDJP55C80/160).
13. For a panel and an option with a chamber, such as a Designer panel, Auto grille panel, UV Streamer air purifier unit, Ultra long-life filter unit, High-efficiency filter unit, and Fresh air intake kit chamber type, it is necessary to add insulation that is either glass wool or polyethylene foam with a thickness of 10 mm or more to the chamber area.
14. This option cannot apply when 2 and 3-way flow by using sealing material of air discharge outlet.
15. UV Streamer air purifier unit (UV-chamber) is required.

*These panels do not contain the sensing function.

Option List

VRV indoor units

Round Flow Cassette Type

No.	Item		Type		FXFQ25A FXFQ32A FXFQ40A	FXFQ50A FXFQ63A FXFQ80A	FXFQ100A FXFQ125A FXFQ140A
1	Decoration panel	Standard panel	Fresh white		BYCQ125EAF *		
			Black		BYCQ125EAK *		
		Designer panel [1, 14]	Fresh white		BYCQ125EAPF *		
		Auto grille panel [2, 3]	Fresh white		BYCQ125EBSF *		
2	Sealing material of air discharge outlet [4]		For usage of 3-, 4-way flow		KDBH551C160		
			For usage of 2-way flow		KDBH552C160		
3	Panel spacer				KDB55J160F		
4	Fresh air intake kit		Chamber type [4, 5, 6]	Without T-duct joint	KDDP55C160 (Components: KDDP55C160-1, KDDP55C160-2) [8]		
				With T-duct joint	KDDP55C160K (Components: KDDP55C160-1, KDDP55C160K2) [8]		
			Direct installation type [7]		KDDP55X160A		
5	High-efficiency filter unit [9, 14] (Including filter chamber)		(Colorimetric method 65%)		KAF556D80		KAF556D160
			(Colorimetric method 90%)		KAF557D80		KAF557D160
6	Replacement high-efficiency filter [9, 10, 14]		(Colorimetric method 65%)		KAF552D80		KAF552D160
			(Colorimetric method 90%)		KAF553D80		KAF553D160
7	Filter chamber				KDDFP55C160		
8	UV Streamer air purifier unit (UV-chamber) [12, 14]				BAEF125AW1		
9	Replacement pleated filter (for UV streamer air purifier unit) (MERV 13) [12, 14, 15]				BAF55A125		
10	High performance prefilter (MERV 8) [9]				BAF552A160		
11	Replacement long-life filter				KAF5511D160		
12	Replacement long-life filter (Auto grille panel)				KAF5512D160		
13	Ultra long-life filter unit (Including filter chamber) [9]				KAF555D160		
14	Replacement ultra long-life filter [9, 10]				KAF550D160		
15	Branch duct chamber [4]				KDJP55C80		KDJP55C160
16	Insulation kit for high humidity [11, 13]				KDTP55K80B		KDTP55K160B

Notes: 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 remote controller 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 name 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.
12. This option cannot be installed with BYCQ125EAPF / BYCQ125EAK / BYCQ125EEK / KDBH551C160 / KDBH552C160 / KDTP55K80B/160B, and kit / filters that require a chamber (KDDP55C160/160K, KAF556D80/160, KAF557D80/160, KAF555D160, KDJP55C80/160).
13. For a panel and an option with a chamber, such as a Designer panel, Auto grille panel, UV Streamer air purifier unit, Ultra long-life filter unit, High-efficiency filter unit, and Fresh air intake kit chamber type, it is necessary to add insulation that is either glass wool or polyethylene foam with a thickness of 10 mm or more to the chamber area.
14. This option cannot apply when 2 and 3-way flow by using sealing material of air discharge outlet.
15. UV Streamer air purifier unit (UV-chamber) is required.
*These panels do not contain the sensing function.

Compact Multi Flow Cassette Type

No.	Item	Type	FXZQ20B	FXZQ25B	FXZQ32B	FXZQ40B	FXZQ50B
1-1	Grid ceiling panel		BYFQ60CAW				
1-2	Sensor kit for grid ceiling panel		BRYQ60AAW				
2-1	Decoration panel *1		BYFQ60B3W1				
2-2	Relay wire harness adaptor for decoration panel *1		BER01A1				
2-3	Sealing material of air discharge outlet for decoration panel		KDBH44BA60				
3	Replacement long life filter		KAF441C60				
4	Fresh air intake kit		KDDQ44XA60				
5	Streamer filter clean unit *2		BAPWS55A61				

Notes: *1. Option relay wire harness adaptor (BER01A1) is necessary when installing decoration panel (BYFQ60B3W1).
*2. Available only when stylish remote controller (BRC1H63W/K) is connected.

Double Flow Cassette Type

No.	Item \ Type		FXCQ20B FXCQ25B FXCQ32B FXCQ40B	FXCQ50B FXCQ63B	FXCQ80B FXCQ125B
1	Decoration panel		BYBCQ40CF	BYBCQ63CF	BYBCQ125CF
2	High efficiency filter *1	65 %	KAF532C50	KAF532C80	KAF532C160
		90 %	KAF533C50	KAF533C80	KAF533C160
3	Filter chamber for bottom suction		KDDFP53B50	KDDFP53B80	KDDFP53B160
4	Long life replacement filter		KAF531C50	KAF531C80	KAF531C160
5	Streamer filter clean unit *2		BAPWS55A61		
6	Insulation kit for high humidity *3		KDTP53B50A	KDTP53B80A	KDTP53B160A

Notes: *1. If installing high efficiency filter, filter chamber is required.
*2. Available only when stylish remote controller (BRC1H63W/K) is connected.
*3. Please use in case temperature / humidity inside ceiling may exceed 30°C, 80% RH.

Single Flow Cassette Type

No.	Item \ Type	FXEQ20A FXEQ25A FXEQ32A FXEQ40A	FXEQ50A FXEQ63A
1	Decoration panel	BYEP40AW1	BYEP63AW1

Slim Duct (Standard) Type

No.	Item \ Type	FXDQ20PD FXDQ25PD FXDQ32PD	FXDQ40ND FXDQ50ND	FXDQ63ND
1	Insulation kit for high humidity	KDT25N32	KDT25N50	KDT25N63

Slim Duct (Compact) Type

No.	Item \ Type	FXDQ20SP FXDQ25SP FXDQ32SP FXDQ40SP FXDQ50SP	FXDQ63SP
1	Streamer duct chamber	BDEZ500A140VE	BDEZ500A510VE

Middle Static Pressure Duct Type

No.	Item \ Type		FXSQ20PA FXSQ25PA FXSQ32PA	FXSQ40PA	FXSQ50PA	FXSQ63PA FXSQ80PA	FXSQ100PA FXSQ125PA	FXSQ140PA
1	High efficiency filter *1	65%	KAF632C36	KAF632C56	KAF632C80		KAF632C160	—
		90%	KAF633C36	KAF633C56	KAF633C80		KAF633C160	—
2	Filter chamber (for rear suction) *1		KDDFP63B36	KDDFP63B56	KDDFP63B80		KDDFP63B160	KDDF63B160B
3	Long-life filter *1		KAF631C36	KAF631C56	KAF631C80		KAF631C160	—
4	Streamer duct chamber		BDEZ500A60VE BDEZ500A140VE	BDEZ500A140VE		BDEZ500A140VE BDEZ500A510VE	BDEZ500A510VE	
5	Service panel (Fresh white)		KTBJ25K36F	KTBJ25K56F	KTBJ25K80F		KTBJ25K160F	
6	Air discharge adaptor		KDAP25A36A	KDAP25A56A	KDAP25A71A		KDAP25A140A	—
7	Shield plate for side plate		KDBD63A160					—

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

Middle-High Static Pressure Duct Type

No.	Item \ Type		FXMQ20PA FXMQ25PA FXMQ32PA	FXMQ40PA	FXMQ50PA FXMQ63PA	FXMQ80PA	FXMQ100PA FXMQ125PA FXMQ140PA
1	High efficiency filter	65%	KAF372AA36	KAF372B56	KAF372B80		KAF372B160
		90%	–	KAF373B56	KAF373B80		KAF373B160
2	Filter chamber		–	KDDF37AB56	KDDF37AB80		KDDF37AB160
3	Long life replacement filter		–	KAF371B56	KAF371B80		KAF371B160
4	Long life filter chamber kit		–	KAF375C56	KAF375C80		KAF375C160
5	Streamer duct chamber		BDEZ500A60VE BDEZ500A140VE	BDEZ500A140VE		BDEZ500A510VE	
6	Service panel (Fresh white)		KTBJ25K36F	KTBJ25K56F	KTBJ25K80F		KTBJ25K160F
7	Air discharge adaptor		KDAJ25K36A	KDAJ25K56A	KDAJ25K71A		KDAJ25K140A

High Static Pressure Duct Type

No.	Item \ Type		FXMQ200M FXMQ250M
1	Drain pump kit		KDU30L250VE
2	High efficiency filter	65%	KAF372M280
		90%	KAF373M280
3	Filter chamber		KDJ3705L280
4	Long life replacement filter		KAF371N280
5	Streamer duct chamber		BDEZ500A510VE

Option List

VRV indoor units

High Static Pressure Duct Type

No.	Item \ Type		FXMQ200P FXMQ250P
1	8mm pre-filter		BAFL501A250
2	30mm long life replacement filter		BAFL502A250
3	High efficiency filter	65%	BAFM503A250
		90%	BAFH504A250
4	Filter chamber (long life filter, high efficiency filter)		BDD500A250
5	Streamer duct chamber		BDEZ500A510VE
6	Drain pump kit		BDU510A250VM
7	Insulation kit for high humidity		BDT520A250

Ceiling Suspended Type

No.	Item \ Type	FXHQ32MA	FXHQ63MA	FXHQ100MA	FXHQ125B	FXHQ140B
1	Drain pump kit	KDU50N60VE	KDU50N125VE		KDU50R160	
2	Replacement long-life filter	KAFJ501D56	KAFJ501D80	KAFJ501D112	KAF501B160	
3	L-type piping kit (for upward direction)	—	KHFP5M160		KHFP5N160	
4-1	Streamer filter clean unit *1,2	—			BAPWS55A61	
4-2	Mounting kit for streamer option	—			BERPW50A61	

Notes: *1. Mounting kit for streamer option (BERPW50A61) is necessary.
*2. Available only when stylish remote controller (BRC1H63W/K) is connected.

Wall Mounted Type

No.	Item \ Type	FXAQ20B FXAQ25B FXAQ32B FXAQ40B	FXAQ50B FXAQ63B FXAQ71B	FXAQ80B FXAQ100B
1	Drain pump kit	K-KDU572KVE		
2	Streamer discharge unit*1	BAPWS57A61		
3	Air quality filter*2 (Enzyme blue / PM2.5)	BAFP094A51*3		BAFP094A51*4

Notes: *1. Streamer discharge unit can be installed with the filter.
*2. If the streamer discharge unit installed, it is unnecessary to install the filter at that position.
*3. Install 2 filters per 1 unit if the streamer discharge unit is not installed.
*4. Install 3 filters per 1 unit if the streamer discharge unit is not installed.

Floor Standing Type

No.	Item \ Type	FXLQ20MA FXLQ25MA	FXLQ32MA FXLQ40MA	FXLQ50MA FXLQ63MA
1	Long life replacement filter	KAF361L28	KAF361L45	KAF361L71

Floor Standing Duct Type

No.	Item \ Type				FXVQ125N	FXVQ200N	FXVQ250N	FXVQ400N	FXVQ500N
1	Discharge and Suction	Replacement long life filter			KAF261M140	KAF261M224	KAF261M280	KAF261N450	KAF261N560
2		Ultra long-life filter			—			KAFSJ9A400	KAFSJ9A560
3		Front suction filter chamber for high efficiency filter	Front suction base flange		KD-9A140	KD-9A200	KD-9A280	KD-9A400	KD-9A560
4			Suction grille		KDGF-9A140	KDGF-9A200	KDGF-9A280	KDGF-9A400	KDGF-9A560
5			Filter chamber for high efficiency filter *1,2	Replacement long-life filter *1, 2, 3	KAF-91B140	KAF-91B200	KAF-91B280	KAF-91B400	KAF-91B560
6				Replacement high efficiency filter 65% *1, 3	KAF-92B140	KAF-92B200	KAF-92B280	KAF-92B400	KAF-92B560
7				90% *2, 3	KAF-93B140	KAF-93B200	KAF-93B280	KAF-93B400	KAF-93B560
8				Filter chamber *1, 2	KDDF-9A140	KDDF-9A200	KDDF-9A280	KDDF-9A400	KDDF-9A560
9		Plenum chamber *4			KPCJ140A	KPC5J	KPC8J	KPCJ400A	KPC15JA
10		Pulley for plenum chamber *4			KPP8JA	KPP9JA	KPP10JA	—	
11		Fresh air intake kit *5			KD106D10			KDFJ906A560	
12		Rear suction kit *5			KDFJ905B140	KDFJ905B200	KDFJ905B280	KDFJ905B400	KDFJ905B560
13		Discharge grille for plenum side			KD101A10			KD101A20	
14	Wood base				KKWJ9A140	KWF1G5P	KWF1G8P	KKWJ9A400	KWF1G15
15	Vibration isolating frame				K-ABSG1406A	K-ABSG1407A	K-ABSG1408A	K-ABSG1409A	K-ABSG1410A

Notes: *1. When ordering a filter chamber for high efficiency filter (65%), please order with all the respective parts.
*2. When ordering a filter chamber for high efficiency filter (90%), please order with all the respective parts.
*3. When replacing with a new filter, please order the replacement filters with the corresponding filter model name.
*4. Use the plenum chamber and pulley for plenum chamber in combination.
*5. When introducing fresh air, make sure that it is 10% or less than total airflow.
For details, refer to the outside drawing with optional accessory.

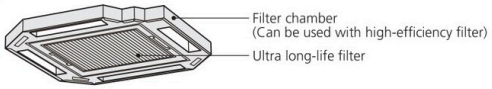
VRV indoor units

Options of Round Flow Cassette with Sensing and Streamer & Round Flow Cassette with Streamer & Round Flow Cassette with Sensing & Round Flow Cassette

Options required for specific operating environments

Ultra long-life filter unit

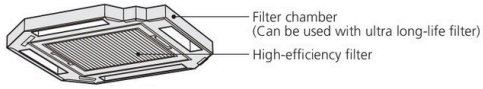
Even in dusty environments where the air conditioning is constantly operating, the ultra long-life filter only has to be cleaned once a year.



Dusty area: annual filter change
*For dust concentration of 0.3 mg/m³ (Requires separately sold Air purifier.)
1 year (Approx. 5,000 hr): About 15 hr/day x 28 day/month x 12 month/year
Ordinary store or office: filter change every 4 years
*For dust concentration of 0.15 mg/m³
4 years (Approx. 10,000 hr): About 8 hr/day x 25 day/month x 12 month/years x 4 years

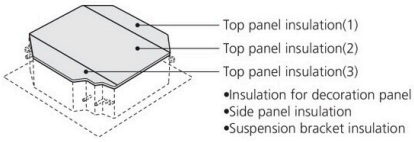
High-efficiency filter unit

Available in two types: 65% and 90% colorimetry.



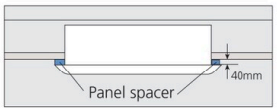
Insulation kit for high humidity

Please use if you think the temperature and humidity inside the ceiling exceeds 30°C and RH 80%, respectively.



Panel spacer

Use when only minimal space is available between drop ceilings and ceiling slabs.



Note: Some ceiling constructions may hinder installation. Contact your Daikin Dealer before installing your unit.

Sealing material of air discharge outlet

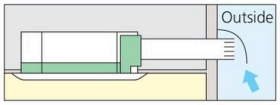
By using this option, 2-way, 3-way, or 4-way flow can be selected.

Branch duct chamber

This chamber lets you connect a round flexible duct to the air discharge opening at any time after the original installation.

Fresh air intake kit [1, 2]

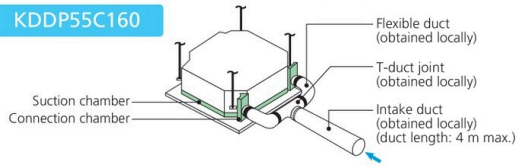
Using this kit, a duct can be connected to take in outdoor air. There are two chamber types that have intake in two places: with T-duct joint and without T-duct joint.



The units can be installed in the following different ways:

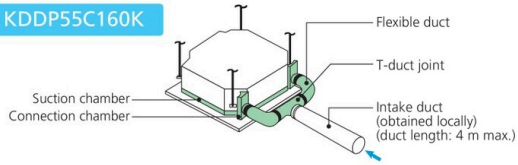
Chamber type (without T-duct joint) [3, 4, 5]

KDDP55C160



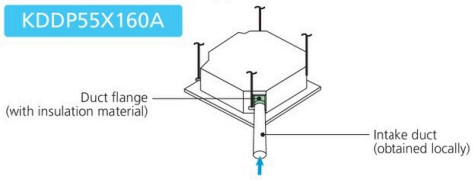
Chamber type (with T-duct joint) [3, 4, 5]

KDDP55C160K



Direct installation type [6]

KDDP55X160A



Notes: 1. Use of options will increase operating sound.
2. Connecting ducts, fan, insect nets, fire dampers, air filters, and other parts should, as required, be obtained locally.
3. When a local-obtained fan is used, an interlock with air conditioner is necessary. Optional PCB (BRP11B62) is required for interlocking.
4. When installing a fresh air intake kit (chamber type), two air outlet corners are closed.
5. 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.
6. 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.

Option List

High Performance Prefilter (MERV 8)

Features and Benefits

BAF552A160

MERV 8 Rating

This filter is a high performance prefilter that has achieved MERV 8 rating.

PM2.5 Filtration

This filter can catch fine particles that could not be removed by the existing prefilter, capturing 97% of 1.0-3.0 µm particles and 99% of 3.0-10 µm particles when air passes through filter 10 times.

Filter Exchange Twice a Year

Replace the filter twice a year in order to maintain the filter's high performance.

Chamberless Filter

Additional parts and difficult installation works are unnecessary. Just replace the existing prefilter.

Retrofit to Existing Indoor Unit

Attachable to your current round flow cassette for IAQ improvement.

Specifications

Model Name		BAF552A160		
Brand		DAIKIN		
Production Base		AAF Malaysia		
Performance		MERV 8		
Dimensions	mm	526 x 523 x 35		
Airflow rate	m^3/min	13.0	22.9	37.0
Initial Pressure Drop*2	Pa	18.1	35.8	81.4
Weight	g	520		
Lifetime *3		6 months (1,250 hours)		
Reuse		Non-reusable		

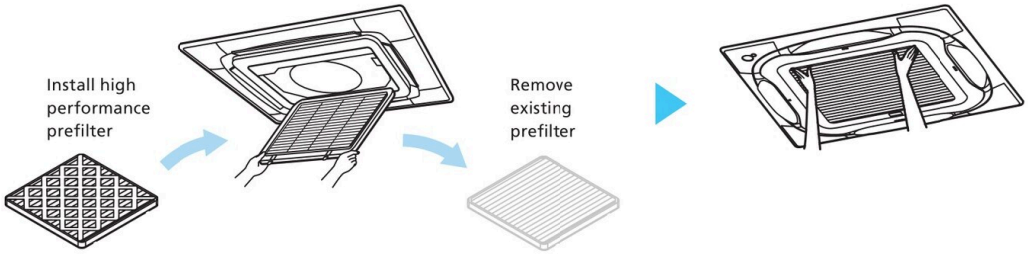
Note 1. It is necessary to set a high ceiling mode on site to prevent a decrease in air volume when installing the filter.
The setting number differs according to each model. Please refer to the installation manual.

*2. This result is based on the test of the filter only. The results may be different in the actual use environment where the filter is installed in the indoor unit.

*3. Filter lifetime may vary depending on the condition of the operating environment.
Certain instances such as high traffic areas, pets or smokers in a residence, or other situations may require more frequent changes.

Easy Replacement

The existing prefilter can be replaced easily*.
Since it's a chamberless filter, the installer will remove the existing prefilter and replace it with the high performance prefilter.



* The filter should be fixed to the air conditioner with attached components, so consult your dealer when installing or replacing the filter.

Precision Piping Method

HEADER PACK

No.	Item \ Type	4 port type	6 port type
1	HEADER PACK	BHF6RHP6Z	BHF6ARHP6Z, BHF8RHP6Z, BHF10RHP6Z, BHF16RHP6Z

TIGHTFIT

No.	Item \ Type	Standard Joint	Asymmetry Joint	90° Bend Joint	Test Plug
1	TIGHTFIT	SDGTC06, SDGTC09, SDGTC12 SDGTC15, SDGTB19, SDGTB22 SDGTB28, BDGTA34, BDGTA41	SDGTC0906, SDGTC1209, SDGTC1512 SDGTC1915, SDGTB2219, SDGTB2522 SDGTB2825, SDGTB3428	SDGTLB22 SDGTLB28	SDGTKB06, SDGTKB09, SDGTKB12 SDGTKB15, SDGTKB19, SDGTKB22 SDGTKB28

Non-Brazed REFNET Joint for TIGHTFIT

No.	Item \ Type	2 pipes	3 pipes
1	Non-Brazed REFNET Joint for TIGHTFIT	BHRG26A33T, BHRG26A72T, BHRG26A73T	BHRG25A33T, BHRG25A72T, BHRG25A73T

Control systems

Operation control system optional accessories

Remote sensor
BRCS01A-1(4)(5)(6)

For ***VRV*** indoor unit use

No	Item \ Type	FXFTQ-A FXFRQ-A	FXFSQ-A	FXFQ-A	FXZQ-B	FXCQ-B	FXEQ-A	FXDQ-PD FXDQ-ND	FXDQ-SP	FXSQ-PA
1	Stylish remote controller*5	BRC1H63W (White) / BRC1H63K (Black)								
2	Navigation remote controller*5	—	BRC1E63				BRC1F61	BRC1E63		
3	Simplified remote controller	—		BRC2E61						
4	Wireless remote controller	—	BRC7M635F (Fresh White) BRC7M635K (Black)		BRC7M531W (for grid ceiling panel) BRC7E531W (for decoration panel)	BRC7M66	BRC4M63	BRC4C66		
5-1	Adaptor for wiring (operation status output)	★ BRP11B62				—		★BRP11B61	—	★BRP11B62
5-2	Adaptor for wiring	—				★ KRP1C14A	—	—		
6-1	Wiring adaptor for electrical appendices (1)	—			★KRP2A62	★KRP2A51	—	★ KRP2A53	—	★ KRP2A61
6-2	Wiring adaptor for electrical appendices (2)	★ KRP4AA53				★ KRP4AA51	—	★ KRP4A54	—	★ KRP4AA51
7	Remote sensor (for indoor temperature)	BRCS01A-5			BRCS01A-6		BRCS01A-4	BRCS01A-1		BRCS01A-4
8	Installation box for adaptor PCB☆	KRP1H98A*2,3			KRP1BB101*4	KRP1C96*2,3	—	KRP1BB101*4	—	KRP4A98*2,3
9	External control adaptor for outdoor unit	★ DTA104A62				★DTA104A61	—	★DTA104A53	—	★DTA104A61
10	Digital input adaptor	★ BRP7A52			★ BRP7A53	★ BRP7A51	—	★ BRP7A54	—	★ BRP7A51

Option List

Control systems

Operation control system optional accessories

Remote sensor
BRCS01A-1(4)(5)(6)

For ***VRV*** indoor unit use

No.	Item \ Type	FXMQ-PA	FXMQ-P	FXMQ-M	FXHQ-MA	FXHQ-B	FXAQ-B	FXLQ-MA	FXVQ-N*7
1	Stylish remote controller *5	BRC1H63W (White) / BRC1H63K (Black)							
2	Navigation remote controller *5	BRC1E63						BRC1E63	BRC1E63*6
3	Simplified remote controller	BRC2E61							
4	Wireless remote controller	BRC4C66		BRC4C64	BRC7EA66	BRC7M56	BRC7M678 (20-71) BRC7M680 (80-100)	BRC4C64	—
5-1	Adaptor for wiring (operation status output)	★ BRP11B62	—	BRP11B62	★ BRP11B61	BRP11B611-1	—	BRP11B62	—
5-2	Adaptor for wiring	—	KRP1C13A	—					KRP1C67
6-1	Wiring adaptor for electrical appendices (1)	★ KRP2A61	KRP2A61		★ KRP2A62	—	★ KRP2A61	KRP2A61	KRP2A62*6
6-2	Wiring adaptor for electrical appendices (2)	★ KRP4AA51	KRP4AA51		★ KRP4AA52		★ KRP4AA51	KRP4AA51	—
7	Remote sensor (for indoor temperature)	BRCS01A-4	BRCS01A-6	BRCS01A-1	BRCS01A-1	BRCS01A-6		BRCS01A-1	
8	Installation box for adaptor PCB ☆	KRP4A97*2,3	—		KRP1CA93 *3	KRP1D93A *3	KRP4B93 *2, 3	—	
9	External control adaptor for outdoor unit	★DTA104A61	DTA104A61		★ DTA104A62		★ DTA104A61	DTA104A61	DTA104A62*8
10	Digital input adaptor	★ BRP7A51	—	BRP7A51	★ BRP7A52		★ BRP7A51	BRP7A51	—
11	External control adaptor for cooling / heating	—							KRP6A1*8
12	Remote controller with key	—							KRCB37-1

Notes: 1. Installation box ☆ is necessary for each adaptor marked ★.
2. Up to 2 adaptors can be fixed for each installation box.
3. Only one installation box can be installed for each indoor unit.
4. Up to 2 installation boxes can be installed for each indoor unit.
5. Some functions can be set only via the stylish or navigation remote controller. They cannot be set via other remote controllers. Please refer to each indoor unit and remote controller page for function details.
6. Since the control panel is equipped as standard, use the option of BRC1E63 for 2 remote control system.
7. When using BRC1H63W(K), BRC1E63 or BRC2E61, be sure to remove the control panel and since BRC1H63W(K), BRC1E63 and BRC2E61 cannot be stored inside the indoor unit, please place it separately.
8. Remove the group control adaptor which is a standard equipment before mounting KRP2A62, KRP6A1 and DTA104A62. KRP2A62, KRP6A1 and DTA104A62 cannot be mounted to the same indoor unit at the same time.
9. Only possible in combination with BRC1H63W(K).

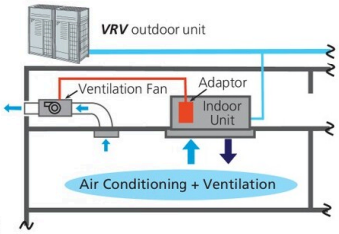
BRP11B61

BRP11B62

Adaptor for wiring (operation status output)

By installing it in the indoor unit with a simple wire connection, this adaptor takes out the operating signals for the indoor unit fan and the compressor and enables the interlocking of equipment such as the ventilation fan.

Example:
Interlocking operation of the indoor unit and ventilation fan that takes in fresh air.



Control systems

System configuration

No.	Item		Model No.	Function
1	Simple touch controller		DTP401A61	• Up to 64 groups of indoor units (128 units) can be easily controlled with 8 inch touch screen. ON/OFF, temperature, mode and weekly schedule timer setting and monitoring can be accomplished individually or simultaneously.
1-1	AC adaptor		DTP401A66	• AC adaptor is required when installing simple touch controller.
2	Residential central remote controller		DCS303A51 *2	• 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.
3	Interface adaptor for residential indoor units		KRP928BB2S	• Adaptors required to connect products other than those of the ***VRV*** System to the high-speed DIII-NET communication system adopted for the ***VRV*** System. * To use any of the above optional controllers, an appropriate adaptor must be installed on the product unit to be controlled.
4	Interface adaptor for SkyAir-series		★DTA112BA51 *3	
5	Central control adaptor kit	For UAT(Y)-K(A),FD-K	★DTA107A55	
6	Wiring adaptor for other air-conditioner		★DTA103A51	
7	DIII-NET expander adaptor		DTA109A51 + BER11A *4	• Up to 1024 units can be centrally controlled in 64 different groups. • Wiring restrictions (max. length: 1,000m, total wiring length: 2,000m, max. number of branches: 16) apply to each adaptor.
7-1	External control adaptor		DTA104A61	• Demand control of individual or multiple systems. • Low noise option for individual or multiple systems.
7-2			DTA104A62	
7-3	Mounting plate		BKS26A	• When installing DTA109A51, DTA104A61 into outdoor units of 10 HP (***VRV*** X MAX) / 14 HP (***VRV*** A MAX) or larger.

Notes: *1. Installation box for ★adaptor must be obtained locally.
*2. For residential use only. Cannot be used with other centralised control equipment.
*3. No adaptor is required for some indoor units.
*4. BER11A is necessary when connecting DTA109A51 to the outdoor unit control box (***VRV*** 6 X/A).

Building management system

No.	Item				Model No.	Function
1	MARUTTO	Basic	Hardware	MARUTTO edge	DGE601A51	• An all-in-one, cloud-based HAVC management service that offers real-time control. Up to 128 indoor units can be connected to MARUTTO edge. • To use MARUTTO, both MARUTTO edge and basic package agreement are necessary. The basic package is a monthly subscription.
			Software	Basic package	DGE801SUB	
1-1		Option	Hardware	DIII plus adaptor	DGE601A52	• Additional 64 indoor units can be connected to DIII plus adaptor or slot. DIII plus adaptor and Max. 5 DIII plus adaptor slots can be connected to MARUTTO edge.
1-2				DIII plus adaptor slot	DGE601A53	
1-3			Software	PPD function *1	DGE802SUB	• Electric power and gas consumption amounts are automatically allocated to each indoor unit according to operating conditions.
1-4				Demand control *1	DGE803SUB	• Air conditioning power consumption is gradually suppressed to prevent it from exceeding the set target power value.
1-5				Remote emergency operation *1	DGE804SUB	• When air conditioners break down, customers can remotely enter the emergency operation settings themselves.
1-6				Social media support *1	DGE805SUB	• User friendly facilities management with instant error notification and remote operation.
1-7				BACnet® client *2	DGE901LCS	• Management of 3rd party equipment is possible via the BACnet® /IP protocol to enable remote monitoring and control.
1-8				BACnet® server *2	DGE902LCS	• The server functions as a BACnet® interface for BMS integration to enable the BMS integrator to monitor and control air conditioning.
2	intelligent Touch Manager	Basic	Hardware	intelligent Touch Manager	DCM601B51	• Air-conditioning management system that can be controlled by touch screen.
2-1		Option	Hardware	DIII plus adaptor	DGE601A52	• Additional 64 groups (10 outdoor units) is possible. DIII plus adaptor and Max. 6 DIII plus adaptor slots can be connected to intelligent Touch Manager.
2-2				DIII plus adaptor slot	DGE601A53	
2-3			Software	iTM power proportional distribution	DCM002A51	• Power consumption of indoor units are calculated based on operation status of the indoor unit and outdoor unit power consumption measured by kWh metre.
2-4				iTM energy navigator	DCM008A51	• Building energy consumption is visualised. Wasted air-conditioning energy can be found out.
2-5				BACnet® client	DCM009A51	• BACnet® equipment can be managed by intelligent Touch Manager.
2-6				HTTP Interface	DCM007A51	• Interface for intelligent Touch Manager by HTTP

Notes: *1. This option is a monthly subscription. The purchase of a service agreement is necessary.
*2. This software is a one-time payment.

Option List

Building management system

No.	Item				Model No.	Function
3	intelligent Touch Controller	Basic	Hardware	intelligent Touch Controller	DCS601C51	• Air-Conditioning management system that can be controlled by a compact all-in-one unit.
3-1		Option	Hardware	DIII-NET plus adaptor	DCS601A52	• Additional 64 groups (10 outdoor units) is possible.
3-2			Software	Web software	DCS004A51	• ***VRV*** system that is connected to intelligent Touch Controller can be operated from the user's PC via a web page.
3-3	Electrical box with earth terminal (4 blocks)				KJB411A	• Wall embedded switch box.
4-1	Smartphone/ Tablet control	Basic	Hardware	***Reiri*** for Office	DCPF01	• ***VRV*** smart controller (website or mobile app via smart phone or tablet) for small to medium scale building
4-2				***Reiri*** for Office (Touchscreen Controller)	DCPF04	• ***VRV*** smart controller with touch panel (website or mobile app via smartphone or tablet) for small to medium scale building
4-3				***Reiri*** for Office (Controller Extension)	DCPF05	• ***VRV*** smart controller for large scale building
4-4				***Reiri*** for Office (Multisite Extension)	DCPF10	• Control all ***VRV*** units via ***Reiri*** for Office on multisite
4-5				***Reiri*** for Home	DCPH01	• ***VRV*** smart home automation and smart control solution
4-6				***Reiri*** for Home (Lite Version)	DCPH02	• ***VRV*** smart centralised controller
4-7				***Reiri*** for Hotel	DCPL01	• Multiple hotel room air conditioner interlocking with occupancy signal, window open/close signal and check in/out signal
4-8				***Reiri*** for Resort	DCPR01	• Individual villa air conditioner interlocking with occupancy signal, window open/close signal and check in/out signal
4-9		Option	Hardware	Adaptor for ***Reiri***	DCPA01	• Interface adaptor for ***Reiri***
4-10					DCPA01B	• Interface adaptor for ***Reiri*** with installation box
4-11				IAQ Sensor DC for ***Reiri***	DCPE02S	• IAQ Sensor for ***Reiri*** (24V AC/DC)
4-12			Software (Commercial)	Commercial Automatic Control	DCPN001	• Set back, Scene, Interlock Automatic Changeover functions for individual controller
4-13				Commercial Data Analytics	DCPN002	• Operation Report, Error Report; Trend Graph, Energy Graph functions for individual controller
4-14				PPD & Tenant Billing Management	DCPN003	• Power Proportional Distribution and billing function for individual controller
4-15				Realtime Energy Monitoring (REM)	DCPN004	• Real Time Energy Display function for individual controller
4-16				Multisite Branch Expansion	DCPN005	• To expand the multisite control limit by 1 site
4-17				iTM Tenant Billing Management	DCPN008	• Billing function for iTM Power Proportional Distribution data
4-18			Software (Residential)	Residential Automatic Control	DCPN006	• Setback, Setpoint Range, Remote Control Prohibition, Automatic Changeover functions for individual controller
4-19				Residential System Report	DCPN007	• Operation Report, Error Report functions for individual controller
5-1	Di unit				DEC101A51	• 8 pairs based on a pair of ON/OFF input and abnormality input.
5-2	Dio unit				DEC102A51	• 4 pairs based on a pair of ON/OFF input and abnormality input/output.
6	Communication interface	Interface for use in BACnet® *3			DMS502B51	• Interface unit to allow communications between ***VRV*** and BMS. Operation and monitoring of air-conditioning systems through BACnet® communication.
6-1		Optional DIII board			DAM411B51	• Expansion kit, installed on DMS502B51, to provide 2 more DIII-NET communication ports. Not usable independently.
6-2		Optional Di board			DAM412B51	• Expansion kit, installed on DMS502B51, to provide 16 more wattmeter pulse input points. Not usable independently.
7		Interface for use in LONWORKS® *4			DMS504B51	• Interface unit to allow communications between ***VRV*** and BMS. Operation and monitoring of air-conditioning systems through LonWorks® communication.
8		Home Automation Interface Adaptor			DTA116A51 + BER11B *7	• Use of the Modbus® protocol enables the connection of the ***VRV*** system with a variety of home automation systems from other manufacturers. *6
8-1		Mounting plate			BKS26A	• When installing DTA116A51 into outdoor units of 10 HP (***VRV*** X MAX) / 14 HP (***VRV*** A MAX) or larger.
9	Contact/ analogue signal	Unification adaptor for computerised control			★DCS302A52	• Interface between the central monitoring board and central control units.

Notes: *3. BACnet® is a registered trademark of American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE).
*4. LonWorks® is a trademark of Echelon Corporation registered in the United States and other countries.
*5. Installation box for ★adaptor must be obtained locally.
*6. Modbus® is a registered trademark of Schneider Electric S.A.
*7. BER11B is necessary when connecting DTA116A51 to the outdoor unit control box (***VRV*** 6 X/A).

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