Warning

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

Notice

- About harmonics, since this product is equipped with an inverter, harmonics will be generated. If local laws require the suppression of harmonics on the building, please take harmonic suppression measures on the electrical equipment side. Please contact your local sales company for details.

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

Cautions on product corrosion

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

Specifications, designs and other content appearing in this brochure are current as of July 2025 but subject to change without notice.

DAIKIN

VRV 6 A SERIES Catalogue

Cooling Only 50/60 Hz

DAIKIN

Perfecting the Air

PCVMT2419Baprv

Exceptional Performance in More Reliable and Compact Structure

VRV 6 A SERIES

RXQ8-78B

R-410A

Cooling Only 50/60 Hz

VRV 6 A SERIES

Next Generation ***VRV*** System

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

Benefits for Everyone Involved

Upgraded Casing

Saves more space with the new casing for large-capacity single module of up to 26 HP and triple module of up to 78 HP.

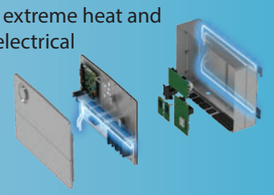
Reduces the lifecycle cost with more compact combination.

Saves More Energy

Enhanced energy efficiency during actual operation (low load) with a new compressor and VRT Smart II control.

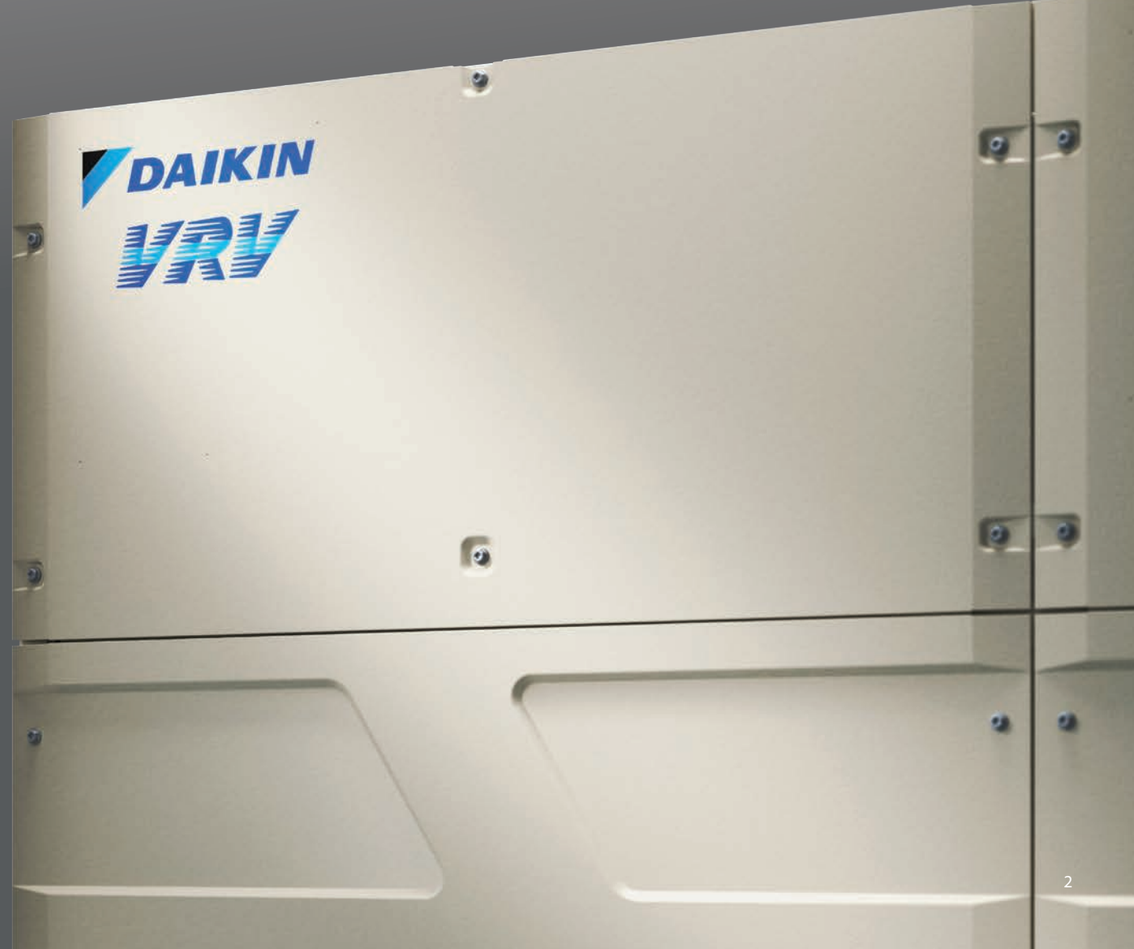
Durable, Stable, Reliable

Operates optimally even in extreme heat and humidity with IP55 sealed electrical component box, expanded operation temperature range, and backup operations



Flexible Design & Easy Installation

Improves workability with long and flexible piping and optimised parts layout



For OWNERS

Lifecycle Cost & Comfort

Large-capacity Single Module

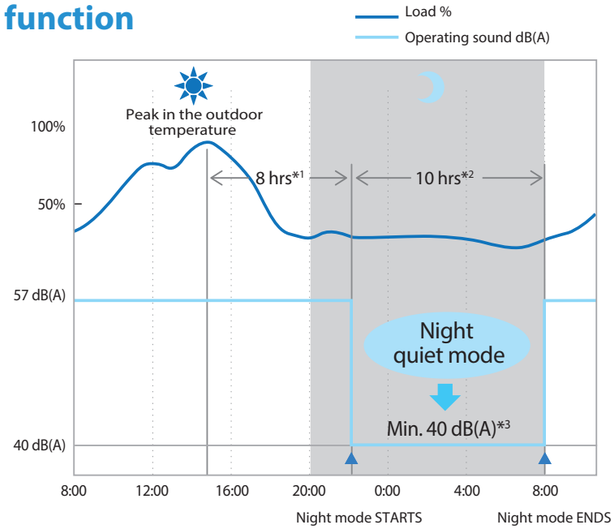
• Installation space and cost are reduced by large–capacity casing for max. 26 HP. Maximum capacity has been increased up to 78 HP.

Energy Saving Technology

• Further improvement of energy saving by high efficiency compressor 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.

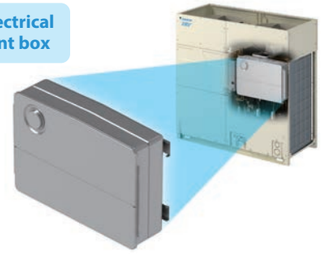


For BUILDING MANAGERS

Reliability & Comfort

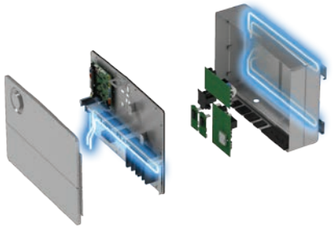
IP55 Sealed Component Box

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



Refrigerant Piping Cooling System

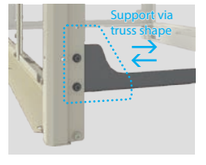
• Refrigerant cooling circuit enables operation in high outdoor temperatures.



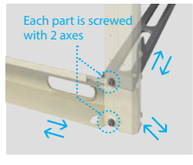
New reinforced design

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

1 Minimises horizontal wobbling



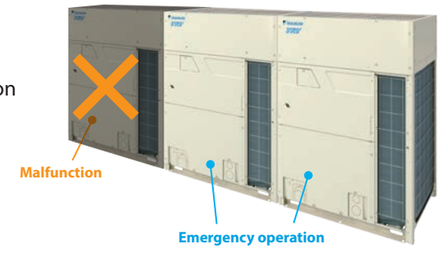
2 Minimises vibration from various angles



Backup operation function

If malfunction occurs in an outdoor unit, the backup operation is supported. (Only for multiple outdoor units)

Unit backup operation function



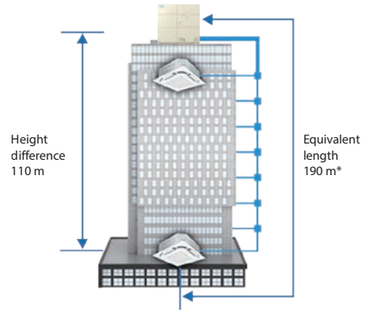
For CONSULTANTS

Flexible Design & Engineering Support

Long Refrigerant Piping

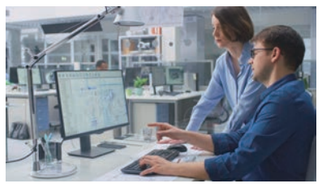
- Equivalent length max. 190 m*
- Height difference extension max. 110 m (20 m longer than conventional models)
- By applying for both at the same time, supports a wide range of applications.

*Max. equivalent length for 68-78 HP is 145 m.



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

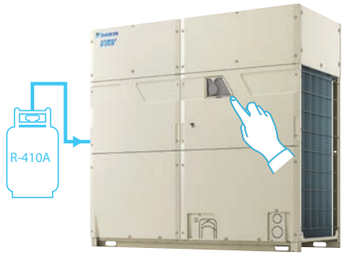
- With various types of indoor units available, comfortable airflow is ensured in every space.

For INSTALLERS

Easy Installation

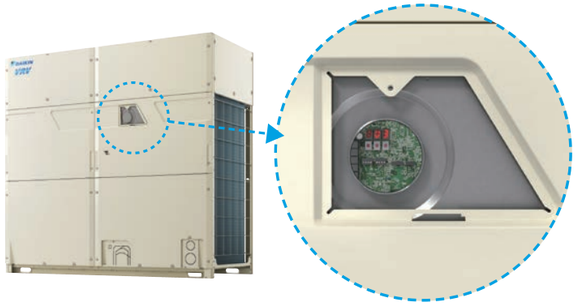
Automatic refrigerant charging

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



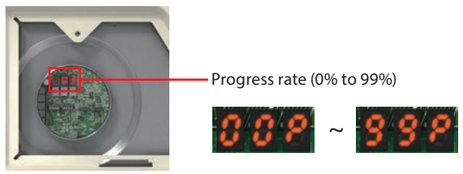
Electrical Component Service Window

- 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.



Large-capacity Single Module

- Installation space and cost are reduced by large–capacity casing for max. 26 HP. Maximum capacity has been increased up to 78 HP.

New Casing

Offers advanced design and new structure with excellent workability.
In addition to the conventional combination of two casings, a new large single unit for 22, 24, 26 HP has been added, expanding the range of multiple outdoor units up to 78 HP.

RXQ8,10,12B

RXQ14,16,18,20B

NEW

RXQ22,24,26B

RXQ-BYM, RXQ-BYMG : 3-phase, 4-wire system, 380-415 V/380 V, 50/60 Hz
RXQ-BY14, RXQ-BY1S : 3-phase, 4-wire system, 380-415 V, 50 Hz
RXQ-BTL : 3-phase, 3-wire system, 220 V, 60 Hz

Outdoor unit combination

System capacity		Number of units	Single module (HP)									
HP	kW		8	10	12	14	16	18	20	22	24	26
8	22.4	Single	●									
10	28.0			●								
12	33.5				●							
14	40.0					●						
16	45.0						●					
18	50.0							●				
20	56.0								●			
22	61.5									●		
24	67.0										●	
26	73.0											●
28	78.5	Double			●		●					
30	83.5				●			●				
32	89.5				●				●			
34	95.0						●	●				
36	100							●●				
38	106							●	●			
40	112								●●			
42	117							●			●	
44	123							●				●
46	129								●			●
48	134									●		●
50	140										●	●
52	146											●●
54	150	Triple						●●●				
56	156							●●	●			
58	162							●	●●			
60	168								●●●			
62	173								●●	●		
64	179								●●		●	
66	185								●●			●
68	190								●	●		●
70	196								●		●	●
72	202								●			●●
74	207									●		●●
76	213										●	●●
78	219											●●●

Large capacity single-module

The new large single unit casing reduces installation cost and space.

Conventional Model

VRV A SERIES

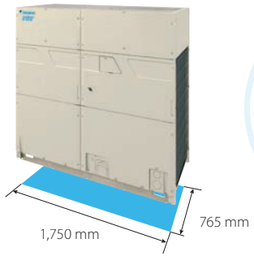
26 HP

Installation space **1.68 m²**
Machine weight **400 kg**

New Model

VRV 6 A SERIES

26 HP



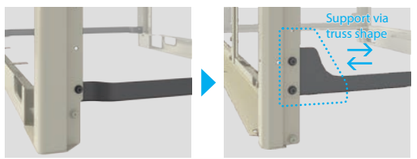
Installation space **1.34 m²**
Machine weight **354 kg**

Installation space **20%** less
Machine weight **11%** less

New reinforced design

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

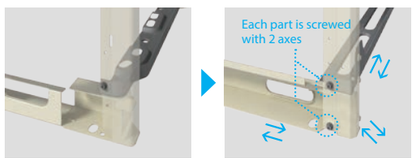
1 Minimises horizontal wobbling



Conventional models

VRV 6 A SERIES

2 Minimises vibration from various angles



Conventional models

VRV 6 A SERIES

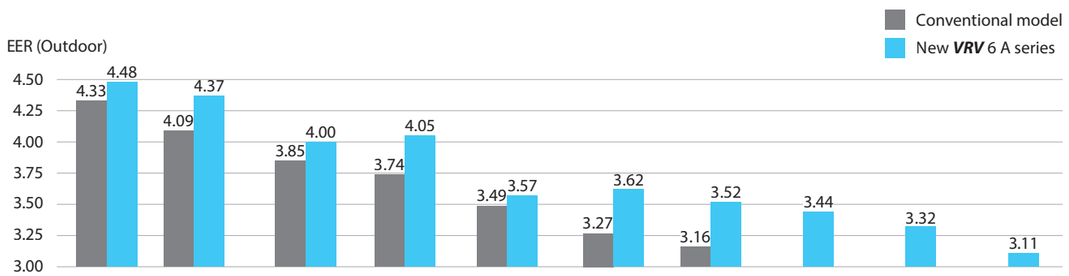
Energy Savings

Improves Energy Efficiency Ratio (EER)

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

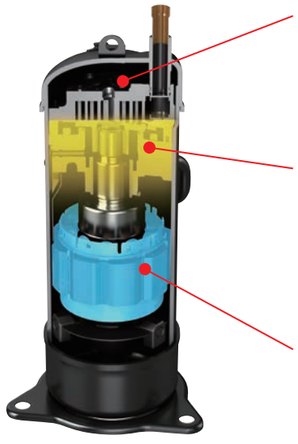
HP	8	10	12	14	16	18	20	22	24	26
EER (Outdoor)	4.48	4.37	4.00	4.05	3.57	3.62	3.52	3.44	3.32	3.11

Achieve about **7% improvement** on average, compared to the conventional models (8-20 HP)



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.

Optimising the back pressure control / New oil control function

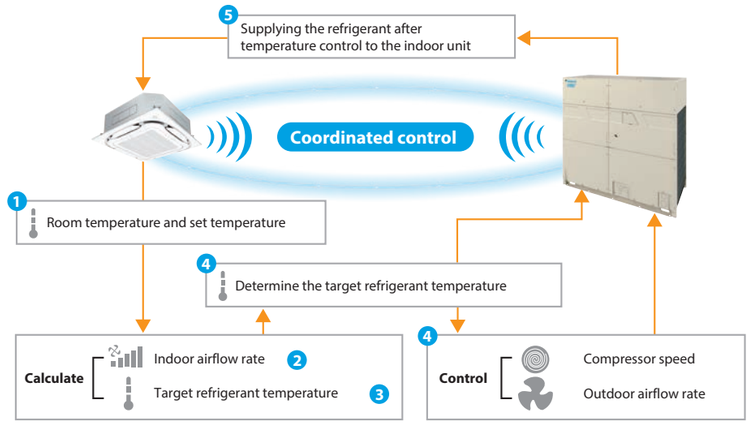
In addition to the conventional intermediate pressure adjustment port, the pressing pressure of the orbiting scroll during operation has been optimised, and the newly adopted oil control mechanism has reduced gas leakage and mechanical loss.

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.

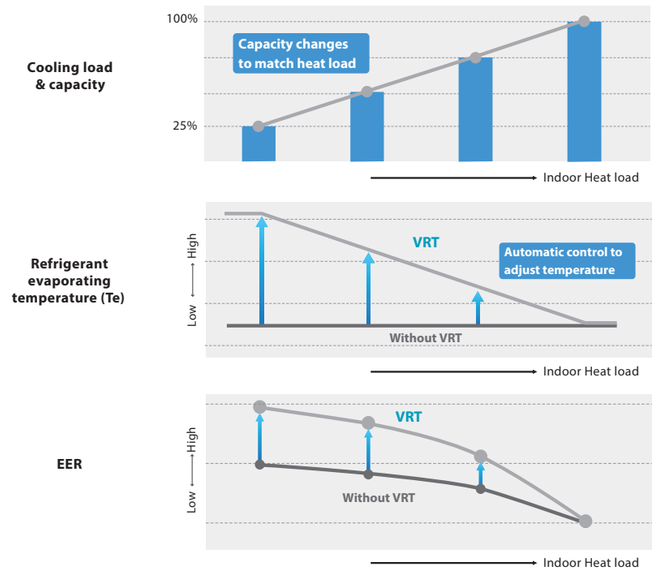
Software technology VRT Smart II control

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



Required capacity changes according to indoor heat load.

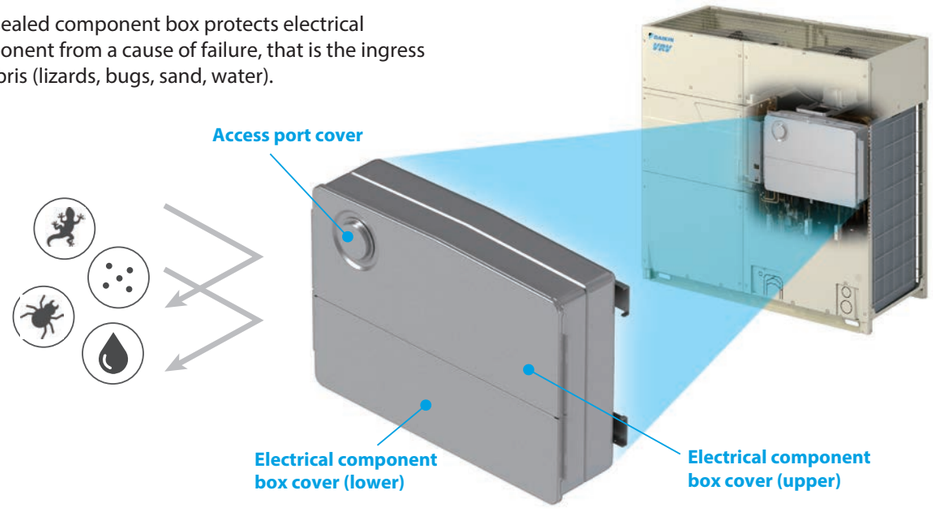
Automatic control adjusts refrigerant evaporating temperature to heat load change.

Reduction of excessive cooling and thermal losses increase EER.

Reliability

IP55-compliant sealed component box

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



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**

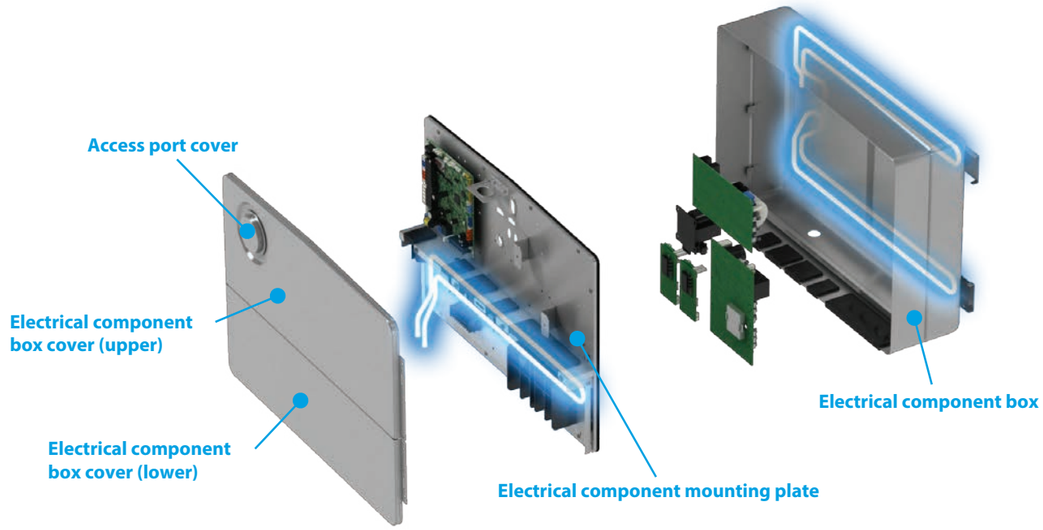
Ingress of dust is not entirely prevented, but it must not enter in sufficient quantity to interfere with the satisfactory operation of the equipment.

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.

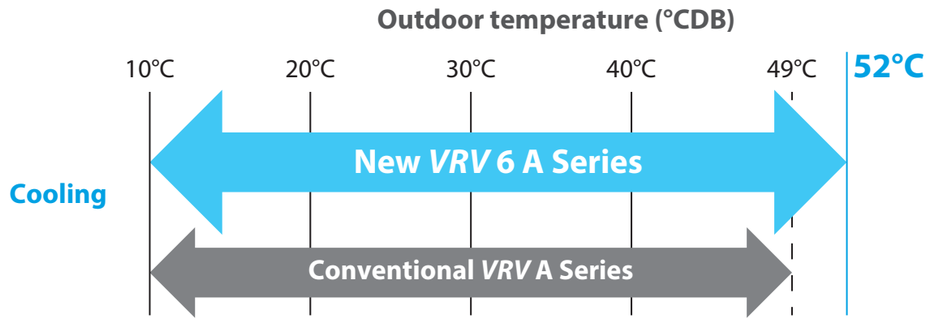
Enables operation in high outdoor temperature

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.



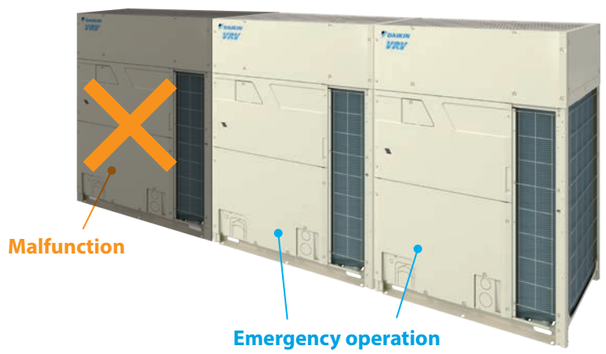
Note: If the height difference between the outdoor units and the indoor units exceeds 90 m, the operating temperature range is up to 49°C (Outdoor units above indoor units only).

Comfort

Backup operation function

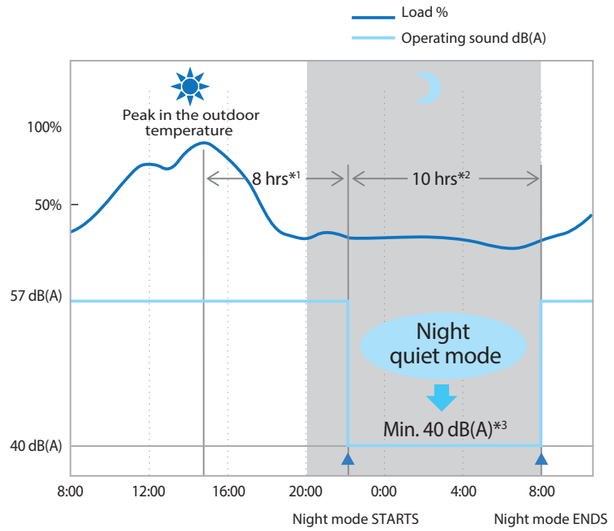
If malfunction occurs in an outdoor unit, the backup operation is supported.
(Only for multiple outdoor units)

Unit 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.



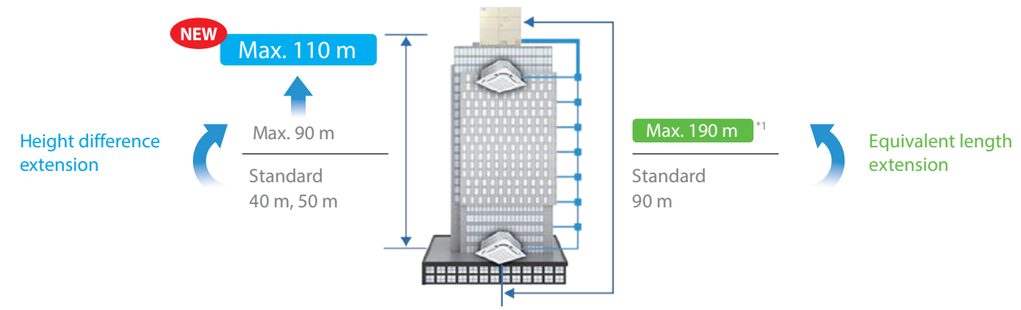
*1. Initial setting is 8 hours. Can be selected from 6, 8 and 10 hours.
*2. Initial setting is 9 hours. Can be selected from 8, 9 and 10 hours.
*3. 8-12 HP outdoor unit can maintain ≥ 30% of the rated capacity with the sound < 40 dB(A).
14-26 HP outdoor unit can maintain ≥ 30% of the rated capacity with 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).

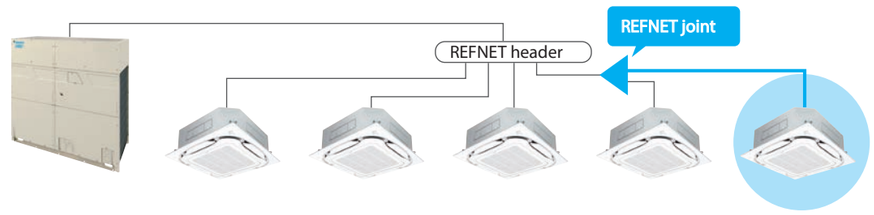
• **Equivalent length** Max. 190 m *1

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.

*1. Max. equivalent length for 68-78 HP is 145 m.
*2. 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.



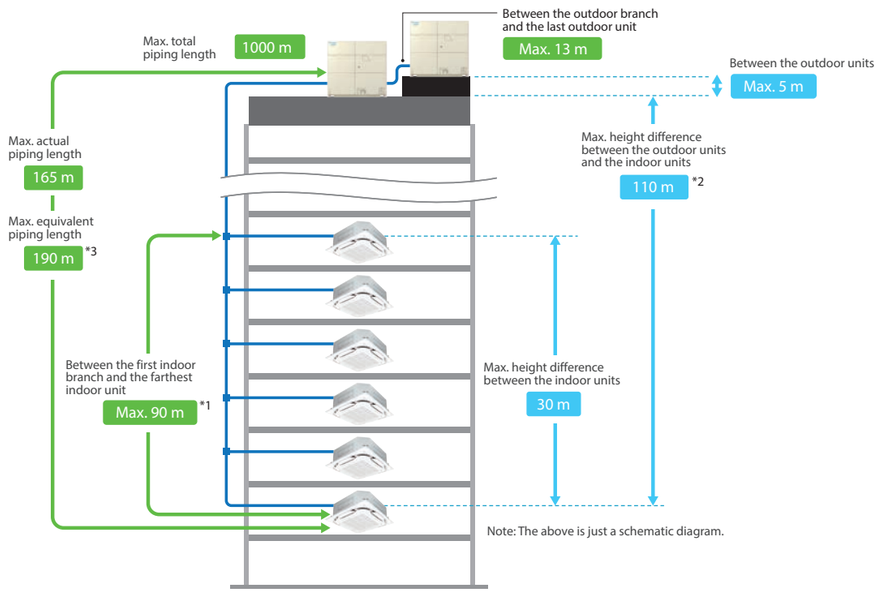
REFNET header	Indoor unit total capacity at REFNET joint
KHRP26M22H,KHRP26M33H,KHRP26M72H	< 50
KHRP26M73H + KHRP26M73HP	≤ 140

Design Flexibility

Long piping length

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

Installation for ***VRV*** indoor units only



		8-66 HP	68-78 HP
Maximum allowable piping length	Actual piping length (Equivalent)	165 m (190 m)*3	120 m (145 m)*3
	Total piping length	1000 m	1000 m
	Between the first indoor branch and the farthest indoor unit	90 m*1	90 m*1
	Between the outdoor branch and the last outdoor unit (Equivalent)	10 m (13 m)	10 m (13 m)
Maximum allowable height difference	Between the outdoor units (Multiple use)	5 m	5 m
	Between the indoor units	30 m	30 m
	Between the outdoor units and the indoor units	110 m*2	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%

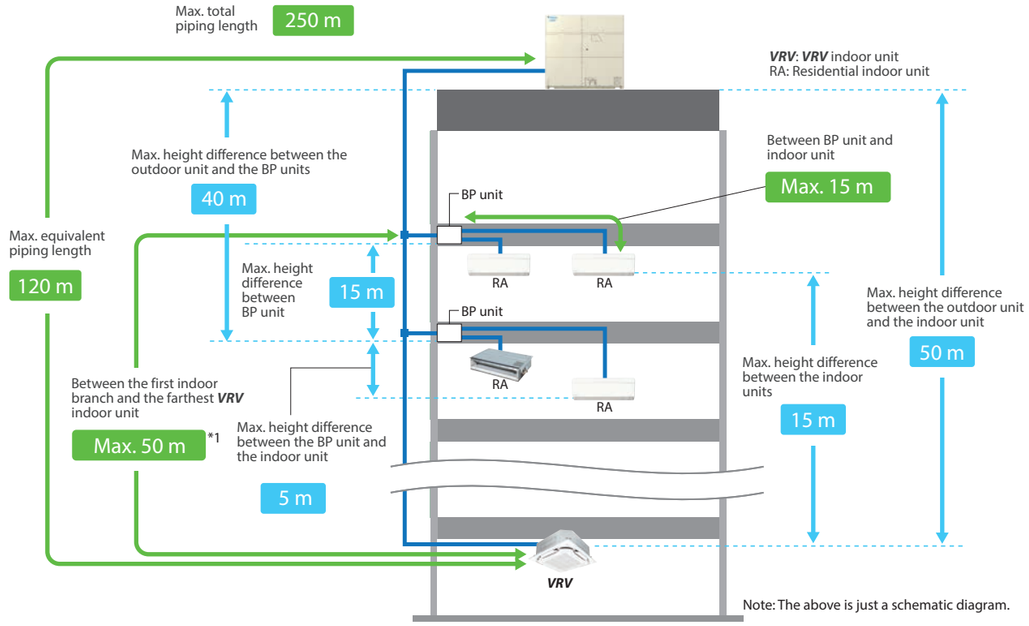
$$\text{Connection ratio} = \frac{\text{Total capacity index of the indoor units}}{\text{Capacity index of the outdoor units}}$$

Conditions of ***VRV*** indoor unit connection capacity

Applicable ***VRV*** indoor units		Indoor units: When using only the following models	Indoor units: Including at least one of the following models		Other ***VRV*** indoor unit models
		FXAQ, FXB(P)Q, FXD(S)Q, FXDBQ, FXSQ, FXMQ-PA	FXF(T)(R)(S)Q25A*1, FXVQ, FXPQ	FXFSQ25/50C	
Single outdoor units	8 - 20 HP	200%	130%	105%	200%
	22 - 26 HP				180%
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 22 for outdoor unit combination details.

Installation for mixed combination of ***VRV*** and residential indoor units



When a mixed combination of ***VRV*** and residential indoor units is connected

Maximum allowable piping length	Actual piping length (Equivalent)		100 m (120 m)
	Total piping length		250 m
	Between BP unit and indoor unit	If indoor unit capacity index < 60.	2 m–15 m
		If indoor unit capacity index is 60.	2 m–12 m
		If indoor unit capacity index is 71.	2 m–8 m
	Between the first indoor branch and the farthest BP unit or between the first indoor branch and the farthest ***VRV*** indoor unit		50 m*1
Minimum allowable piping length	Between outdoor unit and the first indoor branch		5 m
Maximum allowable height difference	Between the indoor units		15 m
	Between BP units		15 m
	Between the outdoor unit and the indoor unit	If the outdoor unit is above.	50 m
		If the outdoor unit is below.	40 m
	Between the outdoor unit and the BP unit		40 m
	Between the BP unit and the indoor unit		5 m

*1. If the piping length between the first indoor branch and BP unit or ***VRV*** indoor unit is over 20 m, it is necessary to increase the gas and liquid piping size between the first indoor branch and BP unit or ***VRV*** indoor unit. If the piping diameter of the sized up piping exceeds the diameter of the piping before the first indoor branch kit, then the latter also requires a liquid piping and gas piping size up. Please refer to Engineering Data Book for details.

* When a mixed combination of ***VRV*** and residential indoor units is connected or when only residential indoor units are connected, connection ratio must be 50% to 130%. Refer to Engineering Data Book for outdoor unit combination details.

Engineering Support

Design assistance and sales proposal

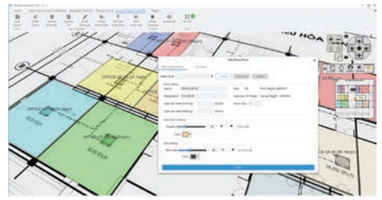
By providing not only excellent products but also engineering support, Daikin helps consultants and architects select ***VRV*** systems more appropriately and easily to enable more efficient operation and function.

Model Selection
BIM Support and Tools
Analysis and Simulation

Model Selection

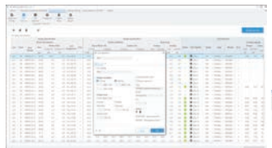
DK-BIM-Heat Load Calculation

Part of our support is the heat load calculation function based on the ASHRAE RTS method. After scanning the building drawing, this feature measures, creates rooms, and sets structures to greatly reduce calculation work.
Setting individual equipment load, occupancy, and outdoor air load for each room is also possible.
The calculation results then assist in equipment selection.

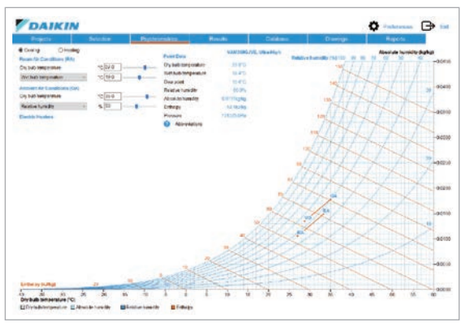


DK-BIM-Model Selection for Air Conditioner

From residential air conditioners to ***VRV*** systems and packaged air conditioners, nearly all air conditioner types can be selected.
Not only can you choose between automatic selection based on heat load calculation results and manual selection where you specify the model, you can also verify pipe sizes, create piping and wiring diagrams, and select central control devices.
In addition to report format, selection results can output piping and wiring diagrams to CAD.



Ventilation Xpress



Model Selection for ventilation products

Ventilation products selection software
Heat Reclaim Ventilator (VAM series) or Outdoor Air Processing Unit (OAPU) can be selected by inputting conditions such as ventilation volume and external static pressure.
In addition, the air temperature and humidity conditions at each point of the selected system are displayed on the psychrometric chart.

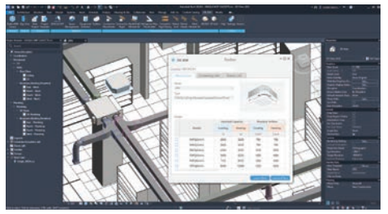
BIM Support and Tools

Daikin BIM Library

Daikin has recently launched the Daikin BIM Library. This provides total BIM support with 3D Revit Data, 2D CAD symbols, and product information such as specification sheets.

DK-BIM Revit Plug-In

This shows an add-on software for Autodesk's Revit. A download of the Revit family provides comprehensive support for the design of Daikin products in Revit for performing layouts and piping drawings.
It also works with DK-BIM, allowing integration with room volumes in Revit, heat load calculations in DK-BIM, and equipment selection results.

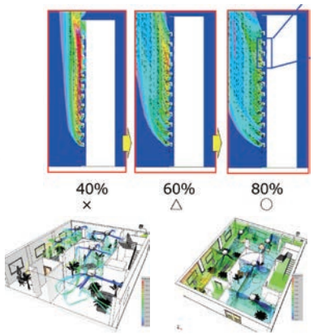


Analysis and Simulation

Airflow Simulation

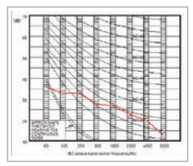
Outdoor airflow analysis software (DT-FLOW2)
Simulates the short circuit of the outdoor unit and uses it as a reference for optimal installation. Creates model of the property with Filder Cube (equipment CAD software), calculates with IconCFD (analysis software), and automatically outputs the report.

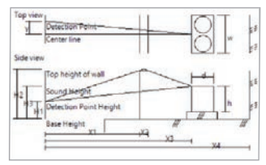
Indoor air environment analysis service
Provides simulation results for temperature, humidity, CO_2, dust, and air age in the target area.



Outdoor Unit Sound Calculation (DACCS-NIS)

Depending on the installation conditions of the equipment, it simulates the operating sound of the outdoor unit that can be heard at any position, which is useful for appropriate soundproofing measures on site.





Energy Simulation Support

A simulation service using QSP software to provide simple proposals by relatively comparing the annual energy efficiency of systems.
Based on meteorological data from cities around the world, this service calculates the annual electricity bills of residential air conditioning, SkyAir, and ***VRV***, effectively promoting the energy-saving benefits of ***VRV***.

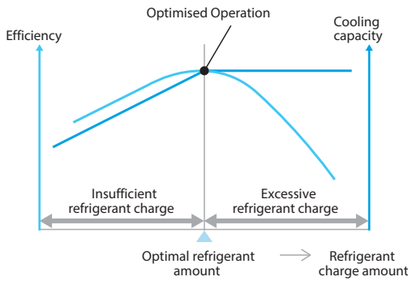
Easy Installation

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

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

Automatic refrigerant charging (Average of 45 min)

- Control before start-up (2 min)
- Cooling start-up (3 min)
- Wait for cooling stabilization (10 min)
- Refrigerant charging operation (30 min)
- Stop

Test run (Average of 20 min)

- Control before start-up (5 min)
- Cooling start-up (3 min)
- Wait for cooling stabilization (5 min)
- Transmission judgement / stop valve check (2 min)
- Pipe length judgement (2 min)
- Pump down (1 min)
- Wait for stop (2 min)
- Stop

New *VRV* 6 A 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

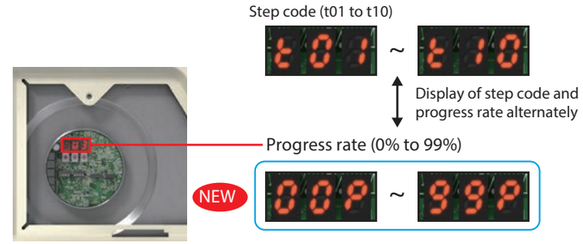
Automatic refrigerant charging (Average of 51 min)

- Control before start-up (5 min)
- Cooling start-up (3 min)
- Wait for cooling stabilization + Transmission judgement / stop valve check (10 min)
- Refrigerant charging operation + Pipe length judgement (30 min)
- Pump down (1 min)
- Wait for stop (2 min)
- Stop

Process visualization (Test run only*)

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

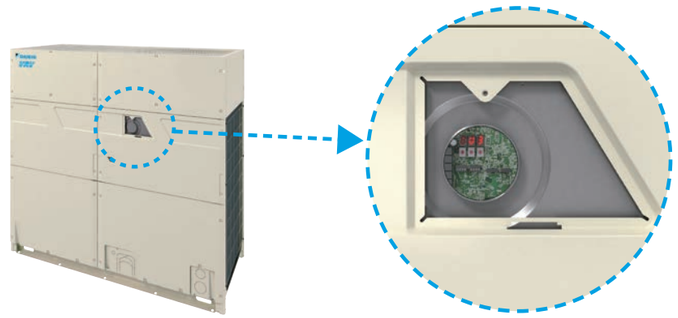
* Effective when test run is carried out independently after manual refrigerant charging.



Electrical component service window

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

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



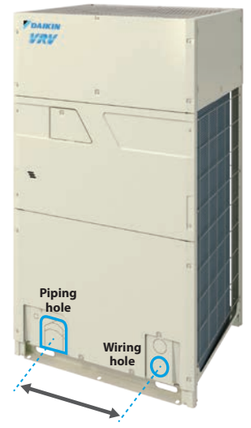
Improved refrigerant piping workability

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

Conventional models

Working in closed place is difficult

VRV 6 A-SERIES



Work becomes easier with sufficient space

Outdoor Unit Lineup

Capacity range from 8 to 78 HP

The outdoor unit capacity is up to 78 HP (219 kW), responding to the needs of large-sized building.

VRV 6 A SERIES

Lineup

● New lineup

HP	8	10	12	14	16	18	20	22	24	26
Single outdoor units	●	●	●	●	●	●	●	●	●	●

HP	28	30	32	34	36	38	40	42	44	46	48	50	52
Double outdoor units	●	●	●	●	●	●	●	●	●	●	●	●	●

HP	54	56	58	60	62	64	66	68	70	72	74	76	78
Triple outdoor units	●	●	●	●	●	●	●	●	●	●	●	●	●

The maximum lineup for outdoor unit multi combination increased from 60 HP to 78 HP with the addition of large-capacity casing (22-26 HP) to the triple outdoor unit combination.

NEW

RXQ62,64,66B

NEW

RXQ68,70,72B

NEW

RXQ74,76,78B

Outdoor unit combinations

For connection of ***VRV*** indoor units only

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
8	22.4	200	RXQ8B	RXQ8B	–	100 to 260 (400)	13 (20)
10	28.0	250	RXQ10B	RXQ10B	–	125 to 325 (500)	16 (25)
12	33.5	300	RXQ12B	RXQ12B	–	150 to 390 (600)	19 (30)
14	40.0	350	RXQ14B	RXQ14B	–	175 to 455 (700)	22 (35)
16	45.0	400	RXQ16B	RXQ16B	–	200 to 520 (800)	26 (40)
18	50.0	450	RXQ18B	RXQ18B	–	225 to 585 (900)	29 (45)
20	56.0	500	RXQ20B	RXQ20B	–	250 to 650 (1,000)	32 (50)
22	61.5	550	RXQ22B	RXQ22B	–	275 to 715 (990)	35 (49)
24	67.0	600	RXQ24B	RXQ24B	–	300 to 780 (1,080)	39 (54)
26	73.0	650	RXQ26B	RXQ26B	–	325 to 845 (1,170)	42 (58)
28	78.5	700	RXQ28B	RXQ12B + RXQ16B	BHFP22R135	350 to 910 (1,120)	45 (56)
30	83.5	750	RXQ30B	RXQ12B + RXQ18B		375 to 975 (1,200)	48 (60)
32	89.5	800	RXQ32B	RXQ12B + RXQ20B		400 to 1,040 (1,280)	52 (64)
34	95.0	850	RXQ34B	RXQ16B + RXQ18B		425 to 1,105 (1,360)	55 (64)
36	100	900	RXQ36B	RXQ18B × 2		450 to 1,170 (1,440)	58 (64)
38	106	950	RXQ38B	RXQ18B + RXQ20B		475 to 1,235 (1,520)	61 (64)
40	112	1,000	RXQ40B	RXQ20B × 2		500 to 1,300 (1,600)	64 (64)
42	117	1,050	RXQ42B	RXQ18B + RXQ24B		525 to 1,365 (1,680)	
44	123	1,100	RXQ44B	RXQ18B + RXQ26B		550 to 1,430 (1,760)	
46	129	1,150	RXQ46B	RXQ20B + RXQ26B		575 to 1,495 (1,840)	
48	134	1,200	RXQ48B	RXQ22B + RXQ26B		600 to 1,560 (1,920)	
50	140	1,250	RXQ50B	RXQ24B + RXQ26B		625 to 1,625 (2,000)	
52	146	1,300	RXQ52B	RXQ26B × 2		650 to 1,690 (2,080)	
54	150	1,350	RXQ54B	RXQ18B × 3	BHFP22R168	675 to 1,755 (1,755)	
56	156	1,400	RXQ56B	RXQ18B × 2 + RXQ20B		700 to 1,820 (1,820)	
58	162	1,450	RXQ58B	RXQ18B + RXQ20B × 2		725 to 1,885 (1,885)	
60	168	1,500	RXQ60B	RXQ20B × 3		750 to 1,950 (1,950)	
62	173	1,550	RXQ62B	RXQ20B × 2 + RXQ22B		775 to 2,015 (2,015)	
64	179	1,600	RXQ64B	RXQ20B × 2 + RXQ24B		800 to 2,080 (2,080)	
66	185	1,650	RXQ66B	RXQ20B × 2 + RXQ26B		825 to 2,145 (2,145)	
68	190	1,700	RXQ68B	RXQ20B + RXQ22B + RXQ26B		850 to 2,210 (2,210)	
70	196	1,750	RXQ70B	RXQ20B + RXQ24B + RXQ26B		875 to 2,275 (2,275)	
72	202	1,800	RXQ72B	RXQ20B + RXQ26B × 2		900 to 2,340 (2,340)	
74	207	1,850	RXQ74B	RXQ22B + RXQ26B × 2		925 to 2,405 (2,405)	
76	213	1,900	RXQ76B	RXQ24B + RXQ26B × 2		950 to 2,470 (2,470)	
78	219	1,950	RXQ78B	RXQ26B × 3		975 to 2,535 (2,535)	

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 RXQ8-20B, 180% for RXQ22-26B, 160% for double outdoor units, and 130% for triple outdoor units. Refer to page 15 for notes on connection capacity of indoor units.

For mixed combination of ***VRV*** and residential indoor units

Model name*1	HP	kW	Capacity index	Total capacity index of connectable indoor units*2			Maximum number of connectable indoor units
				Combination (%)*2			
				50%	100%	130%	
RXQ8B	8	22.4	200	100	200	260	13
RXQ10B	10	28.0	250	125	250	325	16
RXQ12B	12	33.5	300	150	300	390	19
RXQ14B	14	40.0	350	175	350	455	22
RXQ16B	16	45.0	400	200	400	520	26
RXQ18B	18	50.0	450	225	450	585	29
RXQ20B	20	56.0	500	250	500	650	32
RXQ22B	22	61.5	550	275	550	715	35
RXQ24B	24	67.0	600	300	600	780	39
RXQ26B	26	73.0	650	325	650	845	42

Notes: *1. Only single outdoor unit (RXQ8-26B) can be connected.
*2. Total capacity index of connectable indoor units must be 50%–130% of the capacity index of the outdoor unit.

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			20	25	32	40	50	63	71	80	100	125	140	200	250	400	500
				Capacity Range	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 and Streamer	FXFTQ-A	VRT smart			●	●	●	●	●		●	●	●	●				
	Round Flow Cassette with Streamer	FXFRQ-A	VRT smart			●	●	●	●	●		●	●	●	●				
	Round Flow Cassette with Sensing	FXFSQ-A	VRT smart			●	●	●	●	●		●	●	●	●				
		FXFSQ-C	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	FXKQ-MA	VRT			●	●	●		●									
		FXEQ-A	VRT		●	●	●	●	●	●									
	Ceiling Mounted Cassette Duct	FXFDQ-A	VRT smart							●		●	●	●					
Ceiling Concealed Duct	3D Airflow Duct with Sensing	FXDSQ-A	VRT		●	●	●	●	●	●									
	Bedroom Duct	FXDBQ-A	VRT smart					●	●	●		●							
	Slim Duct (Standard)	FXDQ-PD (with drain pump)	VRT smart	(700 mm width type)	●	●	●												
		FXDQ-ND (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-P	VRT smart													●	●		
		FXMQ-M	VRT													●	●		
	Outdoor-Air Processing Unit	FXMQ-MF												●		●	●		
		FXMQ-AF	VRT									●			●	●	●		
		FXMQ-BF	VRT									●			●	●	●		
Ceiling Suspended	4-Way Flow Ceiling Suspended	FXUQ-A	VRT								●		●						
	Ceiling Suspended	FXHQ-MA	VRT				●			●			●						
		FXHQ-B	VRT											●	●				
New	Wall Mounted	**FXAQ-B**	VRT smart		●	●	●	●	●	●	●	●	●						
Floor Standing	Floor Standing	FXLQ-MA	VRT		●	●	●	●	●	●									
	Concealed Floor Standing	FXNQ-MA	VRT		●	●	●	●	●	●									
	Floor Standing Duct	FXVQ-N	VRT											●		●	●	●	●
		FXVQ-NY16 (high static pressure type)	VRT																●
Clean Room Air Conditioner		FXBQ-P	VRT					●	●	●									
		FXBPQ-P	VRT							●									
Spot Air Conditioner		FXPQ-AA				●													
Heat Reclaim Ventilator with DX-Coil		VKM-GC		Airflow rate 500-950 m^3/h															
Heat Reclaim Ventilator		VAM-H		Airflow rate 150-2000 m^3/h															
Air Handling Unit		AHUR		6–120 HP															

* Model lineup and specifications may vary by country.

Residential indoor units with connection to BP units

Type	Model Name		Rated Capacity (kW)	25	35	50	60	71
			Capacity Index	25	35	50	60	71
Slim Ceiling Concealed Duct	FDKS-C(A)VMB	VRT	(900/1,100 mm width type)	●	●	●	●	
Wall Mounted	FTKJ-NVMW	VRT		●	●	●		
	FTKJ-NVMS	VRT		●	●	●		
	FTKS-DVM	VRT		●	●			
	FTKS-FVM	VRT				●	●	●

Note: BP units are necessary for residential indoor units. Only single outdoor unit (RXQ8-26B) can be connected.

VRV indoor units combine with residential indoor units, all in one system.

VRV indoor unit only system

VRV indoor units only

Max. 64 indoor units

- If a system has indoor units subject to both VRT smart and VRT control, the system is operated under VRT control.
- If a system has both outdoor-air processing air conditioners (FXMQ-MF series) and outdoor-air processing type indoor units, VRT smart control and VRT control are disabled.

Residential indoor unit and ***VRV*** indoor unit mix system

Residential indoor units

VRV indoor units

Max. 42 indoor units

- BP units are necessary for residential indoor units. Only single outdoor unit (RXQ8-26B) can be connected.
- If a system has both residential indoor units and ***VRV*** indoor units, the system is operated under VRT control.

Residential indoor unit only system

Residential indoor units only

Max. 42 indoor units

- BP units are necessary for residential indoor units. Only single outdoor unit (RXQ8-26B) can be connected.
- If a system has only residential indoor units, the system is operated under VRT control.

Round Flow Cassette with Sensing and Streamer Type

FXFTQ-A

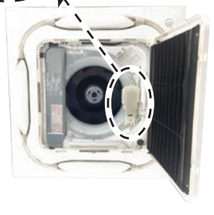
Comfort, energy savings by sensing functions and enhanced maximum efficiency in cleaning

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.

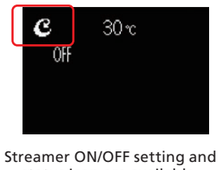
Streamer filter clean unit built-in inside the indoor unit



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

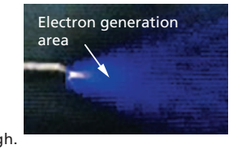


Streamer ON/OFF setting and status icon are available.

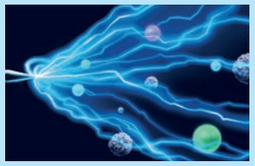
Streamer Technology

Streamer, a type of plasma discharge, decomposes hazardous chemical substances.
The decomposition power is comparable to thermal energy of about 100,000°C.*1

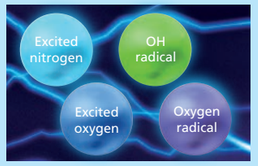
Note: *1. Comparison of oxidation decomposition. This does not mean temperature will become high.



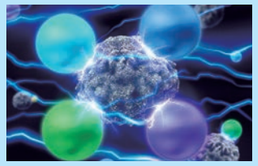
Mechanism of decomposition by Streamer



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.



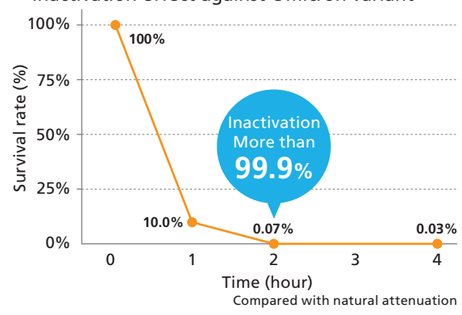
The decomposing elements provide decomposition power.

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

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.

DAIKIN Streamer Research Institute

Test Organization

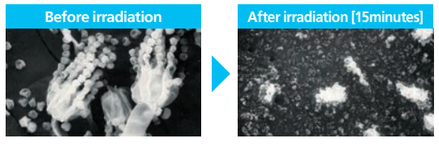
Professor Tatsuo Shioda, Department of Virus Infections, Research Institute for Microbial Diseases, Osaka University

*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.

105 Patents Acquired

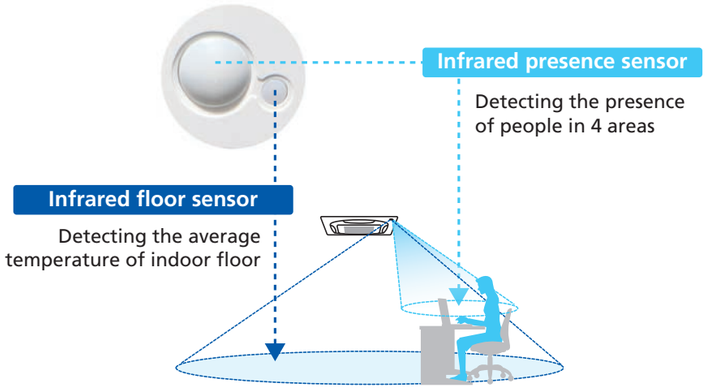
Patents acquired relating to Streamer technology

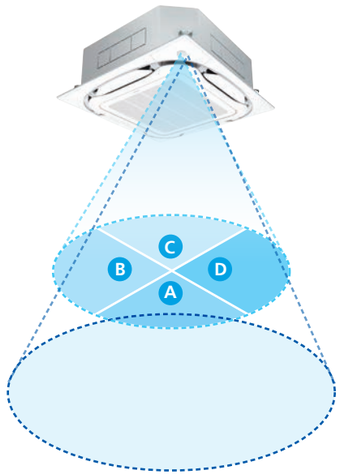
Round Flow Cassette with Sensing and Streamer Type

Daikin advanced sensing technology dual sensors

Round flow with sensing

Comfort and energy saving by sensing functions





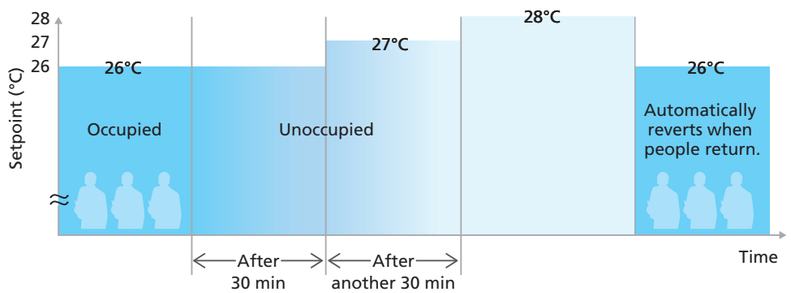
Sensing sensor mode **Energy saving**

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

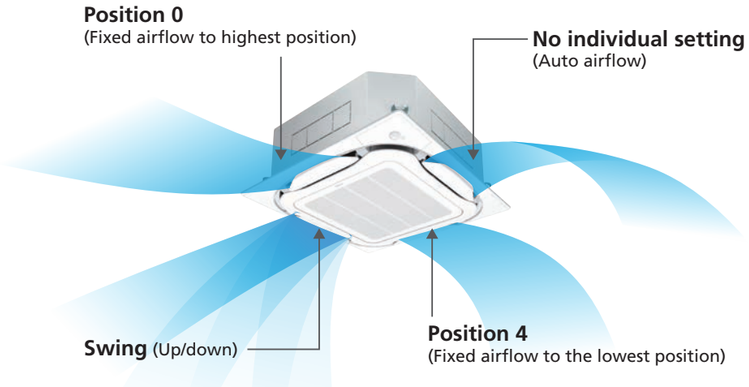
Easy setting is possible with a wired remote controller

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

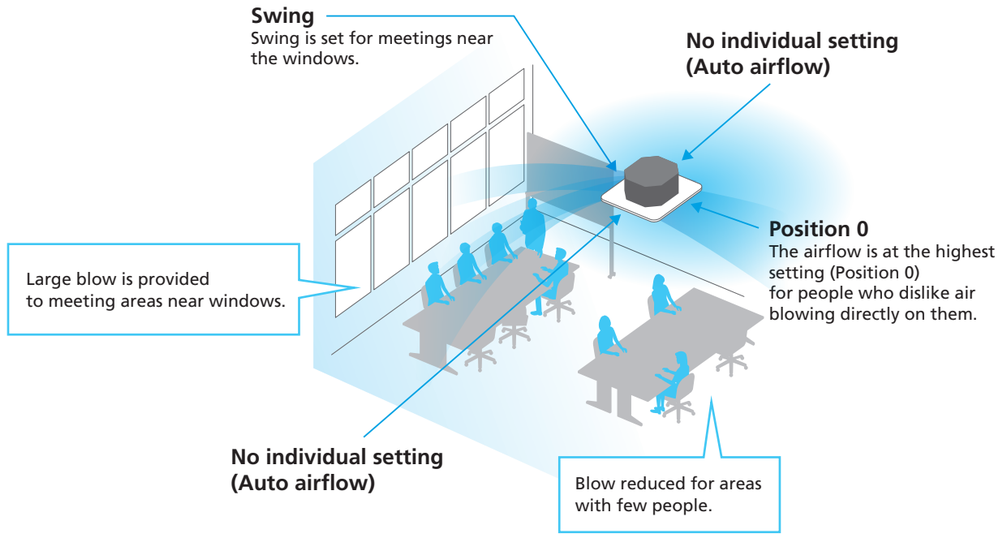
Individual airflow settings

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

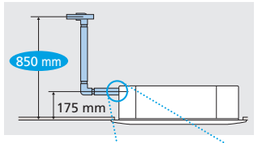
Other functions

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)

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)	m³/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.

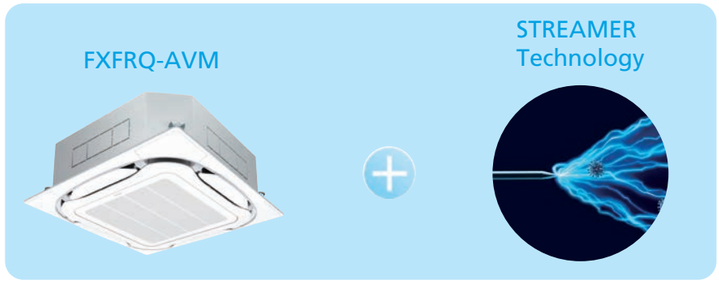
Round Flow Cassette with Streamer Type

FXFRQ-A

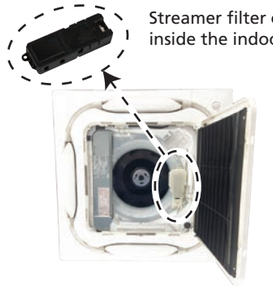
360° airflow for improved comfort and enhanced maximum efficiency in cleaning

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.



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

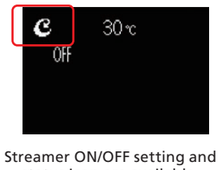


Streamer filter clean unit built-in inside the indoor unit

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

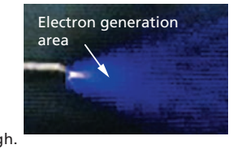


Streamer ON/OFF setting and status icon are available.

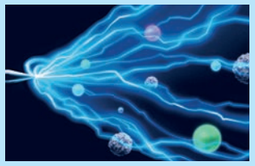
Streamer Technology

Streamer, a type of plasma discharge, decomposes hazardous chemical substances.
The decomposition power is comparable to thermal energy of about 100,000°C.*1

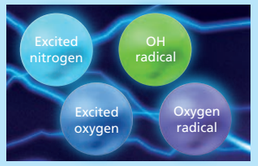
Note: *1. Comparison of oxidation decomposition. This does not mean temperature will become high.



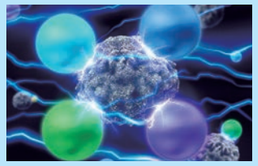
Mechanism of decomposition by Streamer



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.

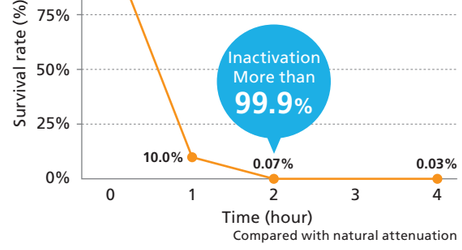


The decomposing elements provide decomposition power.

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.



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

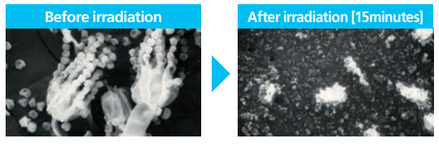
Professor Tatsuo Shioda, Department of Virus Infections, Research Institute for Microbial Diseases, Osaka University

*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.

105 Patents Acquired

Patents acquired relating to Streamer technology

Round Flow Cassette with Streamer Type

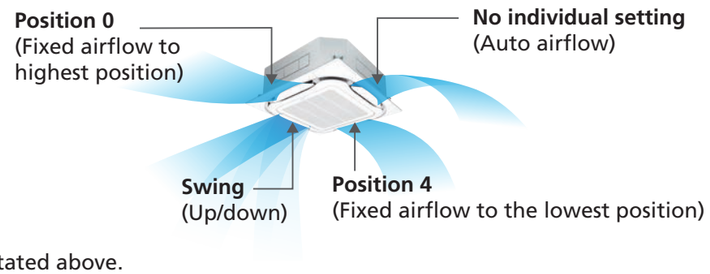
Individual airflow direction control

Comfortable air conditioning for all room layouts and conditions

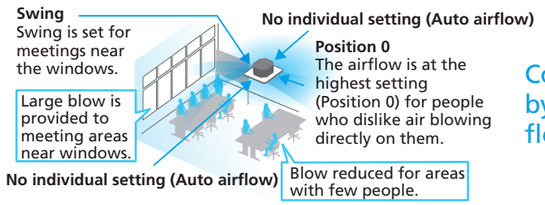
Easy setting is possible with a wired remote controller

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



Individual settings are possible as stated above.



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

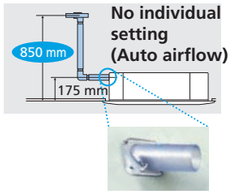
Other functions

Quick and easy installation

Installable in tight ceiling spaces

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

* For FXFRQ25-80A models.

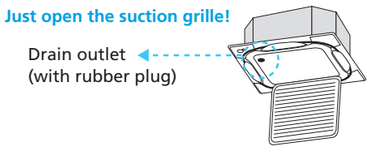


Drain pump is equipped as standard accessory with 850 mm lift.

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

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)

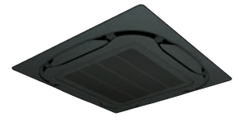
This filter can catch more harmful substances in the air such as PM2.5.

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.

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)	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	1,165/1,077/988/900/741	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				
Piping connections: Gas (Flare)	mm	ϕ12.7				ϕ15.9				
Piping connections: Drain	mm	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. The 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)

	Model		
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

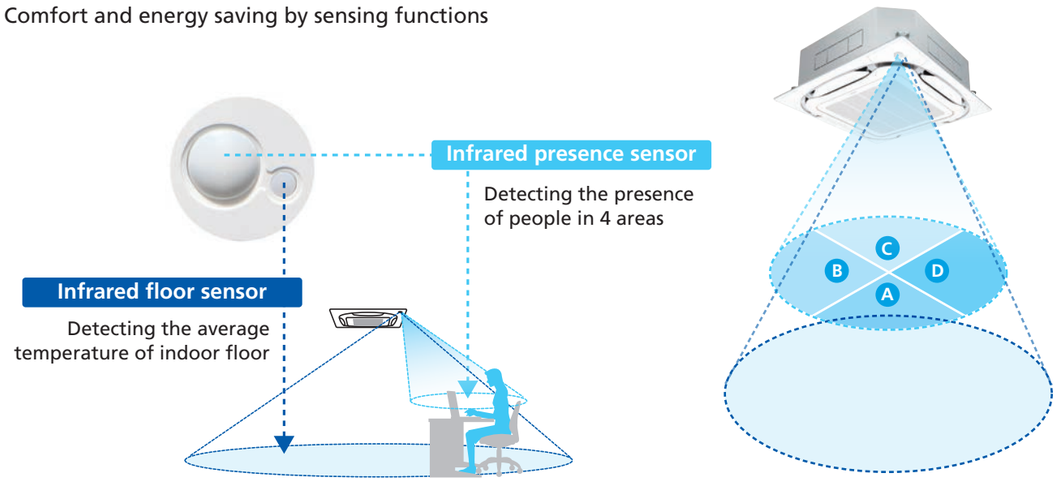
FXFSQ-A / C

Comfort and energy saving by sensing functions

Round flow with sensing

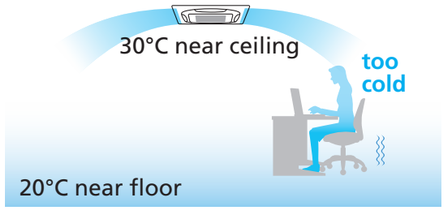
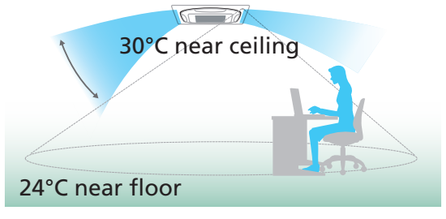
Daikin advanced sensing technology dual sensors

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.

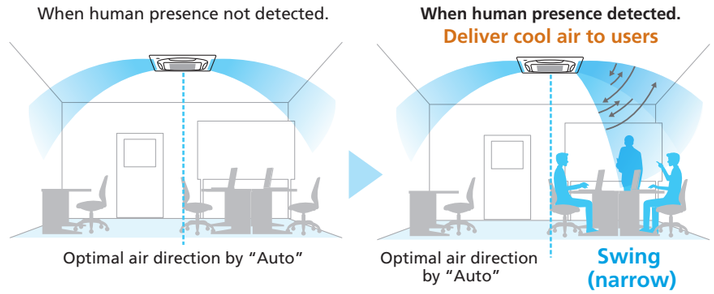
Without sensing function	**With sensing function**
Cooling	
	
Even when room temperature is detected at 30°C, the floor temperature may be as low as 20°C, causing the feet area to be cold.	To prevent an excessive drop in temperature, room temperature is calculated at 27°C when people are in the vicinity.

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



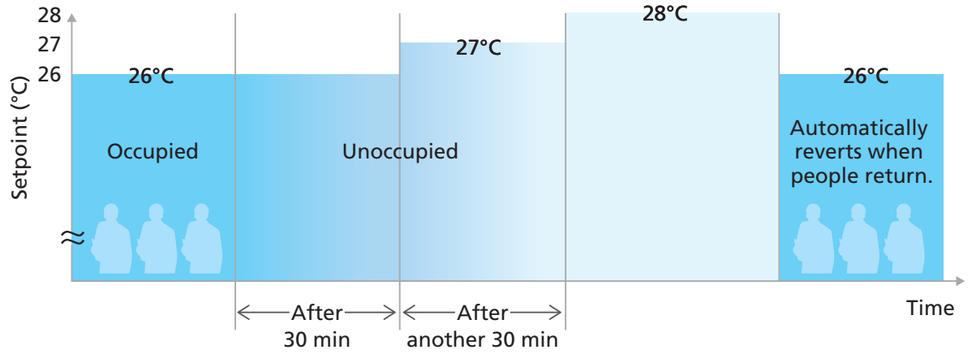
Sensing sensor mode **Energy saving**

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

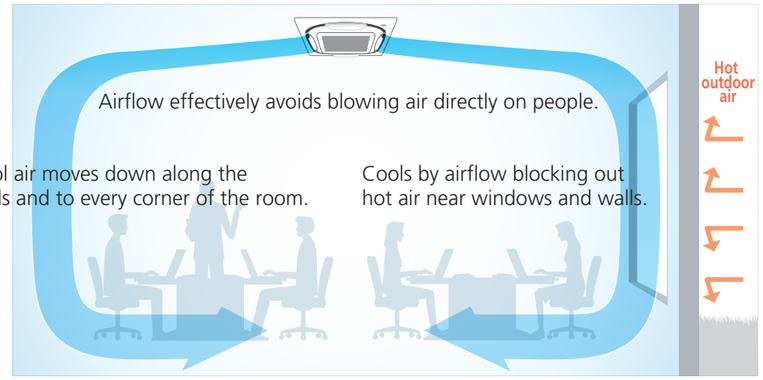
Circulation airflow*

Configurations of circulation airflow

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

Cooling

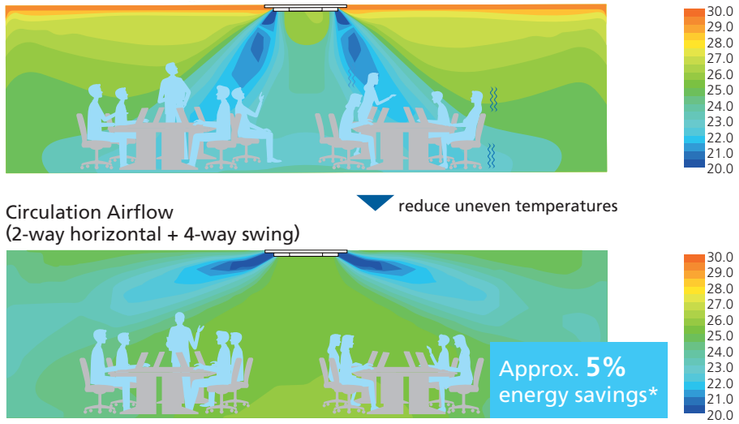
During 2-way horizontal flow



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)

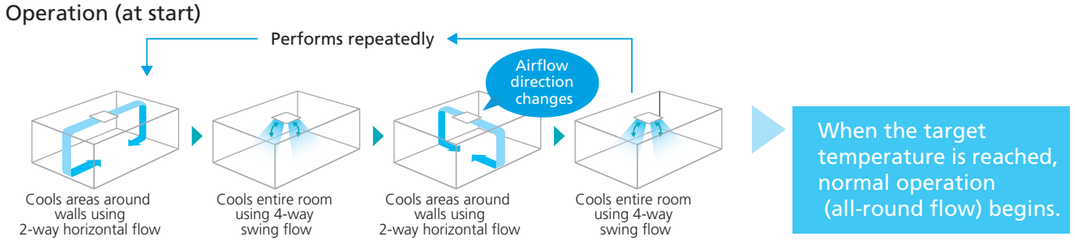


reduce uneven temperatures

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 or BRC1H63W(K) is used.

Comfortable air conditioning for all room layouts and conditions

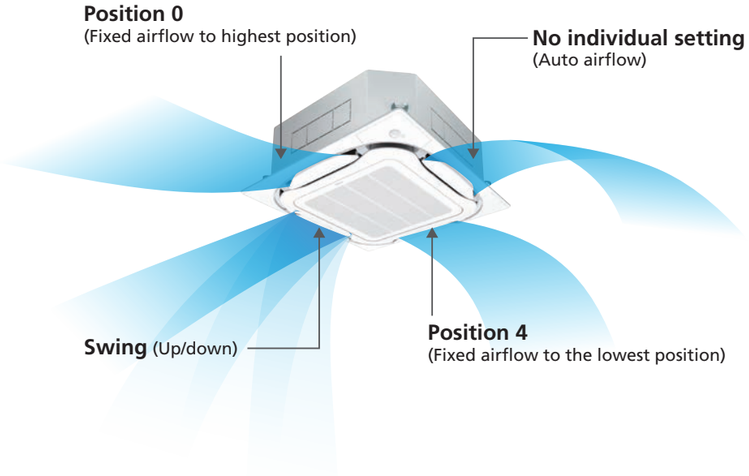
Easy setting is possible with a wired remote controller

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

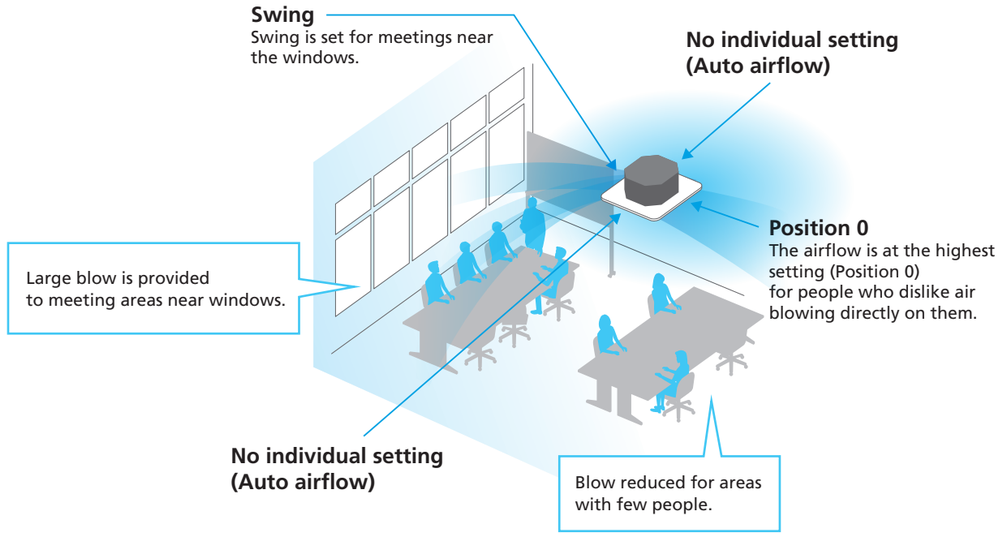
Individual airflow settings

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 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

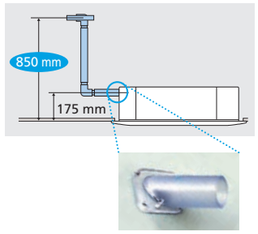
Even in spaces with high ceilings, a comfortable airflow is carried down to the floor level.

Quick and easy installation

Installable in tight ceiling spaces

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

* For FXFSQ25-80A 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.

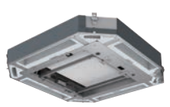
Cleanliness

New UV Streamer air purifier unit (Option)

Adopts “deep ultraviolet (UVC) LED” which irradiates deep ultraviolet rays with a wavelengths of around 265 nm that have a high sterilizing effect.

UVC 265nm × STREAMER × Antibacterial / Antiviral filter (MERV 13 rating)

Promotion Movie



BAEF125AW1

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

BAF552A160

High Performance Prefilter (MERV 8) (Option)

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

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				
Piping connections: Gas (Flare)	mm	ϕ12.7				ϕ15.9				
Piping connections: Drain	mm	VP25 (External Dia. 32/Internal Dia. 25)								

MODEL		FXFSQ25CVM	FXFSQ50CVM
Power supply		1-phase, 220-240 V/220-230 V, 50/60 Hz	
Cooling capacity	Btu/h	9,600	19,100
	kW	2.8	5.6
Power consumption	kW	0.035	0.056
Casing		Galvanised steel plate	
Airflow rate (H/HM/M/ML/L)	m^3/min	19/15.5/14.5/12.5/11	28.5/27/25.5/24/23
	cfm	671/547/512/441/388	1,006/953/900/847/812
Sound level (H/HM/M/ML/L)	dB(A)	34.5/32/29.5/28.5/27	39.5/38.0/37.0/36.0/35.0
Dimensions (H×W×D)	mm	256×840×840	298×840×840
Machine weight	kg	24	25
Piping connections: Liquid	mm	ϕ6.4	
Piping connections: Gas	mm	ϕ12.7	
Piping connections: Drain	mm	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

ROUND FLOW

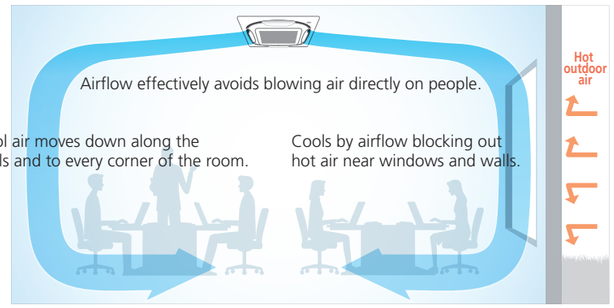
Circulation airflow*

Configurations of circulation airflow

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

Cooling

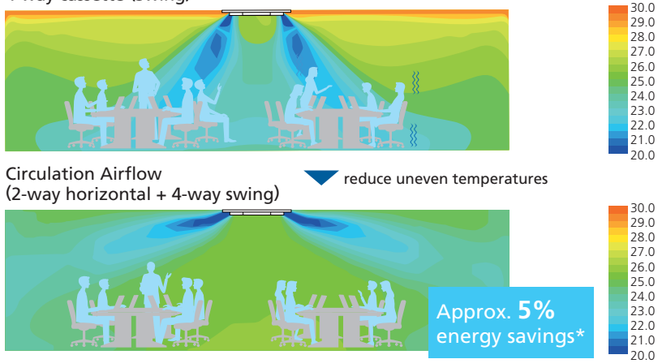
During 2-way horizontal flow



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)



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

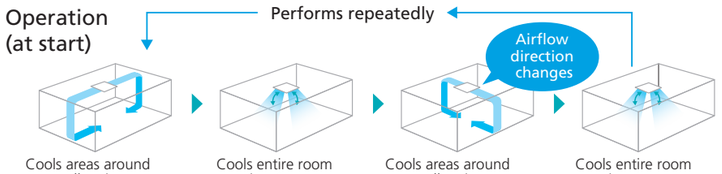
reduce uneven temperatures

Approx. **5%** energy savings*

* 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



When the target temperature is reached, normal operation (all-round flow) begins.

Individual airflow direction control

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

Comfortable air conditioning for all room layouts and conditions

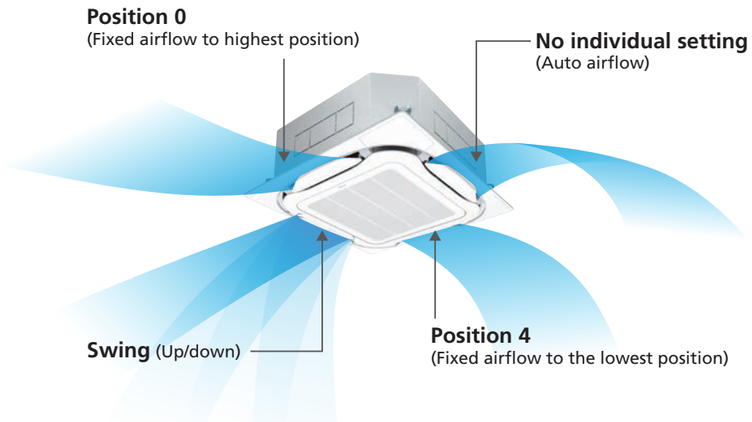
Easy setting is possible with a wired remote controller

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

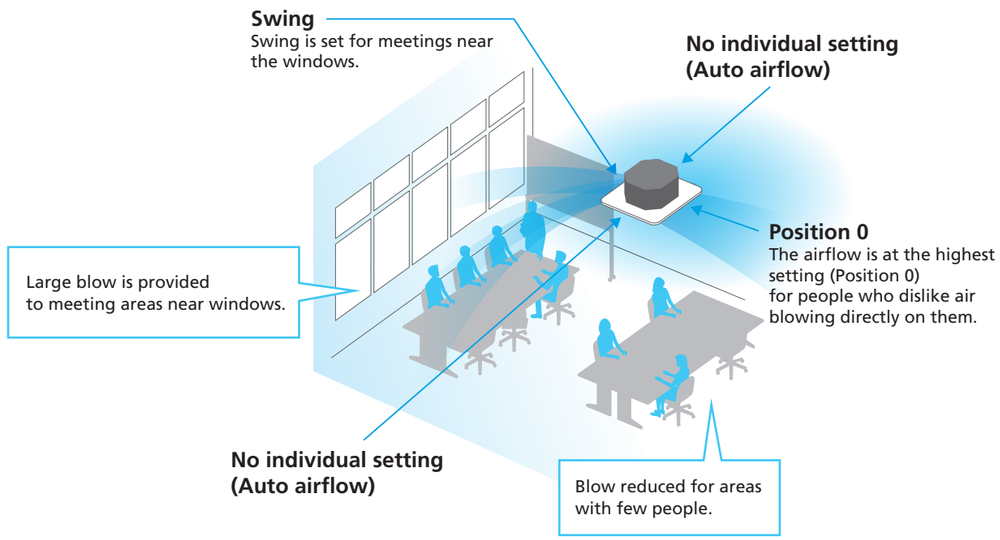
Individual airflow settings

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

(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

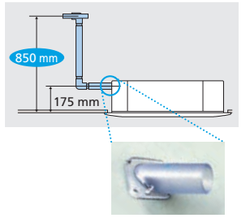
Even in spaces with high ceilings, a comfortable airflow is carried down to the floor level.

Quick and easy installation

Installable in tight ceiling spaces

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

* For FXFQ25-80A models.



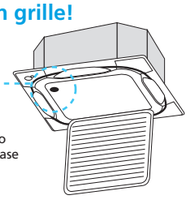
Drain pump is equipped as standard accessory with 850 mm lift.

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.

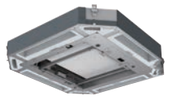
Cleanliness

New UV Streamer air purifier unit (Option)

Adopts “deep ultraviolet (UVC) LED” which irradiates deep ultraviolet rays with a wavelengths of around 265 nm that have a high sterilizing effect.

UVC 265nm × STREAMER × Antibacterial / Antiviral filter MERV 13 rating

Promotion Movie



BAEF125AW1

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)

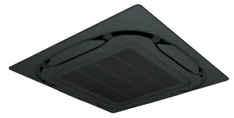
This filter can catch more harmful substances in the air such as PM2.5.

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)

FLAT
Flatter styling: Suction panel grid texture smoothed.

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

Close to ideal styling
New designer 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)		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.

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	○	○	—

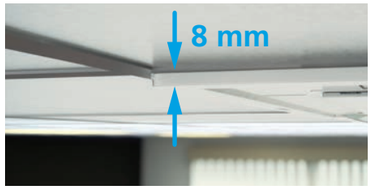
Compact Multi Flow Cassette Type

FXZQ-B

Quiet, compact, and designed for user comfort

Compact & elegant design

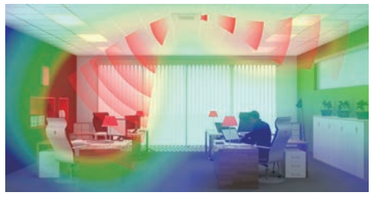
- Fully-flat integration in standard architectural ceiling tiles, leaving only 8 mm
- Remarkable blend of iconic design and engineering excellence with an elegant finish in white
- The newly designed panel integrates fully within one ceiling tile enabling lights, speakers and sprinklers to be installed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

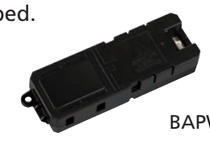
Auto swing (up/down)

- 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)

Irradiates Streamer when the fan and air conditioning operation are stopped.
Streamer fumigates the cabin and sterilizes the filter.



STREAMER

BAPWS55A61

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.

Ceiling soiling prevention

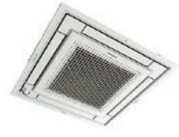
- Prevents air from blowing against the ceiling to prevent ceiling stains.

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)	m^3/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

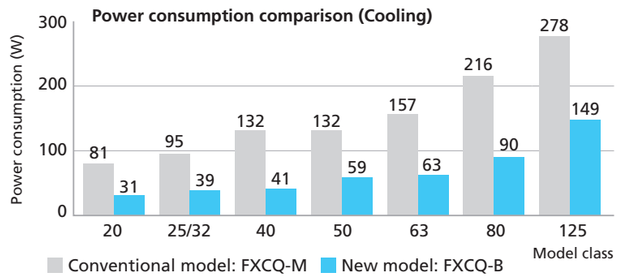
- Control of airflow rate has been improved from 3-step to 5-step. Auto airflow rate is newly available.

Suitable for high ceilings

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

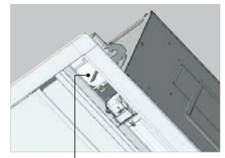
Energy saving

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



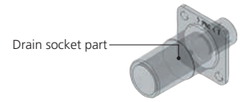
Easy maintenance

- 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)

Irradiates Streamer when the fan and air conditioning operation are stopped. Streamer fumigates the cabin and sterilizes the filter.

STREAMER

BAPWS55A61

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.

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.

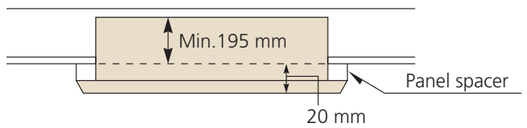
Single Flow Cassette Type

FXKQ-MA

Slim design for flexible installation

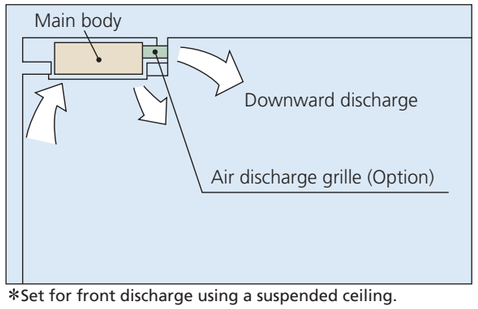
Slim design

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

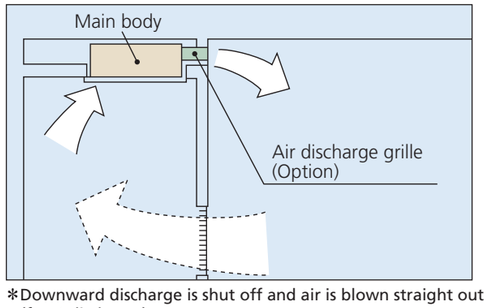


Flexible installation

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



✻Set for front discharge using a suspended ceiling.



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

• Drain pump is equipped as standard accessory with 500 mm lift.

Specifications

MODEL			FXKQ25MAVE	FXKQ32MAVE	FXKQ40MAVE	FXKQ63MAVE
Power supply			1-phase, 220-240 V/220 V, 50/60 Hz			
Cooling capacity		Btu/h	9,600	12,300	15,400	24,200
		kW	2.8	3.6	4.5	7.1
Power consumption		kW	0.066		0.076	0.105
Casing			Galvanised steel plate			
Airflow rate (H/L)		m^3/min	11/9		13/10	18/15
		cfm	388/318		459/353	635/530
Sound level (H/L)	220 V	dB(A)	38/33		40/34	42/37
	240 V		40/35		42/36	44/39
Dimensions (H×W×D)		mm	215×1,110×710			215×1,310×710
Machine weight		kg	31			34
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		BYK45FJW1			BYK71FJW1
	Colour		White (10Y9/0.5)			
	Dimensions(H×W×D)	mm	70×1,240×800			70×1,440×800
	Weight	kg	8.5			9.5

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.

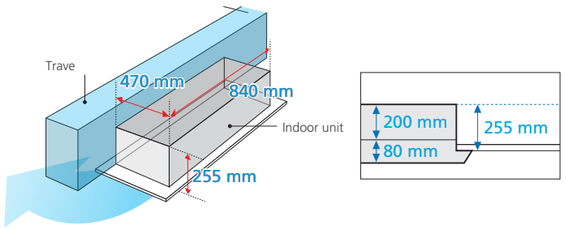
Single Flow Cassette Type

FXEQ-A

Slim design for flexible installation

Slim design

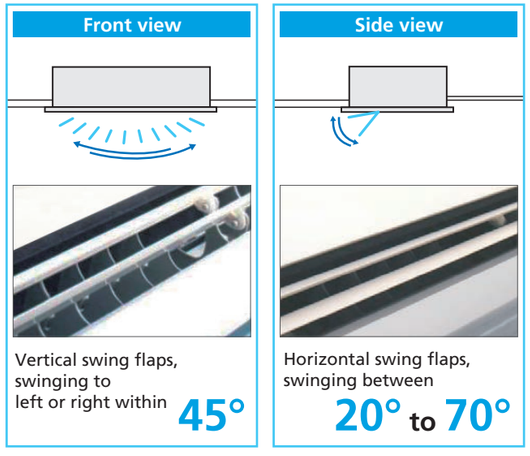
- The body features a compact design with a height of just 200 mm and depth 470 mm, making the installation possible in tight ceiling spaces.



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

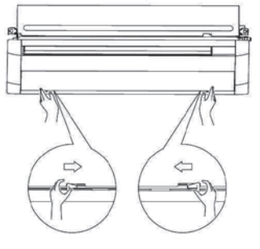
Comfort

- 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.

Ceiling Mounted Cassette Duct Type

FXFDQ-A

Unprecedented flexibility with revolutionary air blow concept

Design flexibility

Easier renovations for new tenants

- The airflow outlets can be easily moved and repositioned as desired. This makes the unit a perfect fit for any commercial space which requires frequent interior changes.

Cafe: Three airflow outlets are located in the customer area with one above the counter.

Office: Four airflow outlets are equally positioned throughout the office area.

Creation of a sophisticated environment

- Ultra-slim profile where only the smooth flat panel is visible on the ceiling.
- Sleek finish creates a sophisticated, modern atmosphere.

Comfort

Elimination of temperature fluctuations

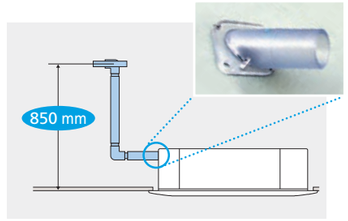
- Up to four airflow outlets can be added as desired, reducing the temperature fluctuations.

5-step & auto airflow control

- Control of airflow rate can be selected from 5-step and Auto to provide comfortable airflow.

Easy design & installation

- Save design cost by using flexible ducts, that require simpler calculations and installation.
- Airflow outlets can quickly be connected to the new indoor unit.
  * The required flexible ducts and diffusers should be obtained locally.
- Drain pump is equipped as standard accessory with 850 mm lift.



Easy maintenance

- Maintenance staff can access the air filter and heat exchanger immediately by removing the flat panel. This streamlines servicing and cuts the time needed.

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.

Specifications

Model name			FXFDQ63AV4	FXFDQ80AV4	FXFDQ100AV4	FXFDQ125AV4
Power supply			1-phase, 220 V, 50 Hz			
Cooling capacity		Btu/h	24,200	30,700	38,200	47,800
		kW	7.1	9.0	11.2	14.0
Power consumption*1		kW	0.063	0.096	0.158	0.178
Casing			Galvanised steel plate			
Airflow rate (H/HM/M/ML/L)*1		m^3/min	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
		cfm	741/706/565/530/477	794/759/741/706/530	1,130/1,024/918/812/741	1,165/1,077/988/900/741
External static pressure		Pa	20 to 40 (Rated 30)*2			
Sound level (H/HM/M/ML/L)*1		dB (A)	40/38.5/37/35.5/34	43/41.5/40/38.5/37	46.5/45/43.5/42/40.5	48/46.5/45/43.5/42
Dimensions (HxWxD)		mm	298x840x840			
Machine weight		kg	26			
Piping connections	Liquid (Flare)	mm	ϕ9.5			
	Gas (Flare)		ϕ15.9			
	Drain		VP25 (External dia. 34/Internal dia. 25)			
Panel (Option)	Model		BYCDQ125APF			
	Colour		White (N9.5)			
	Dimensions (HxWxD)	mm	110x950x950			
	Weight	kg	7			

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 conditions of rated external static pressure (30 Pa).
*2. External static pressure is changeable to set by the remote controller. (Factory setting is 30 Pa.)

3D Airflow Duct with Sensing Type

FXDSQ-A

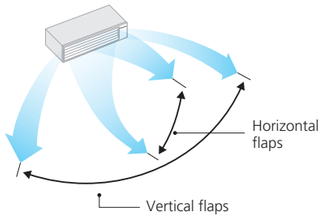
3D airflow with sensing function for comfort and energy savings

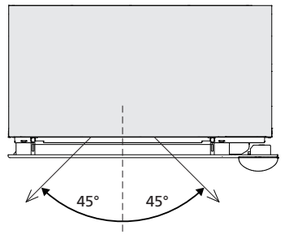
Comfort

3D airflow

The wide coverage of the airflow angle creates a comfortable 3D airflow.

- Horizontal & Vertical direction can be adjusted freely by the remote controller settings as to provide 3D airflow to every corner of the room.
- Can freely select 5 positions and swing mode for each up/down and left/right direction with remote controller.





5-step & auto airflow control

- Control of airflow rate can be selected from 5-step and Auto to provide comfortable airflow.

Installation flexibility

Slim design

- 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.

* Panel dimensions are not included.

Daikin advanced sensing technology

Dual sensors

Infrared presence sensor

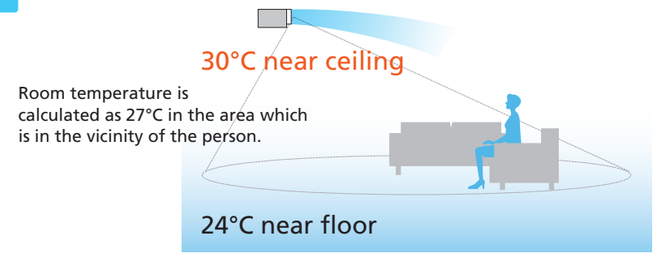
The presence sensor detects where people are and adjusts the airflow direction accordingly.

Infrared floor sensor

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

Comfort and energy saving preventing over cooling

Cooling



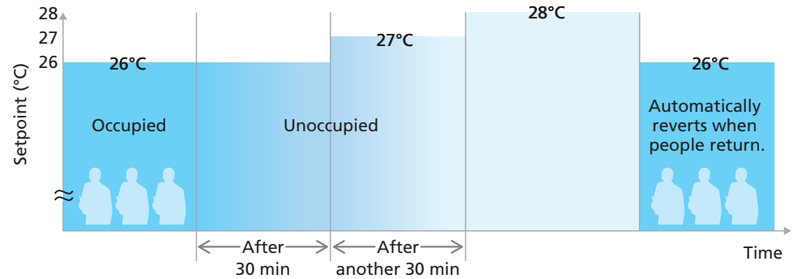
Sensing sensor mode

Example

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

Sensing sensor low mode (default: OFF)

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



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.

Specifications

MODEL			FXDSQ20AVM	FXDSQ25AVM	FXDSQ32AVM	FXDSQ40AVM	FXDSQ50AVM	FXDSQ63AVM
Power supply			1-phase, 220-240/220-230 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 *1		kW	0.028	0.029	0.032	0.049		0.054
Casing			Galvanized steel plate					
Airflow rate (H/HM/M/ML/L)		m^3/min	8.7/8.1/7.6/7.0/6.5	9.0/8.5/8.0/7.5/7.0	10.0/9.3/8.6/7.9/7.2	12.0/11.2/10.5/9.7/9.0	15.0/14.0/13.0/11.5/10.5	19.0/17.0/15.0/13.0/11.5
		cfm	307/286/268/247/229	318/300/282/265/247	353/328/304/279/254	424/395/371/342/318	530/494/459/406/371	671/600/530/459/406
External static pressure		Pa	10-0 *2					
Sound level (H/HM/M/ML/L)*1 *3		dB(A)	31/29/27/26/24	31/29/27/26/24	34/32/30/29/27	39/37/35/33/31		39/37/35/33/30
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		PVC26 (External Dia. 26 / Internal Dia. 20)					
3D Auto swing panel	Dimensions (H×W×D)	mm	180×722×70				180×922×70	180×1,122×70
	Colour		Fresh white					
	Weight	kg	1.0				1.5	2.0

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 external static pressure of 10 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)
*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).

Bedroom Duct Type

FXDBQ-A

Suitable for close living spaces such as hotels and condominiums

Installation flexibility

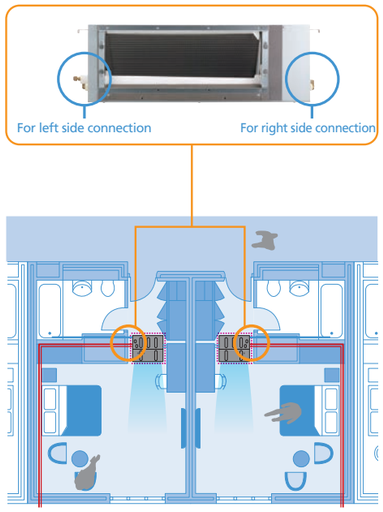
Only 700 mm width

- Installation is possible even in narrow entrance ways at hotels and condominiums.

*1,000 mm in width for the FXDBQ63/80 model.

Mirror piping

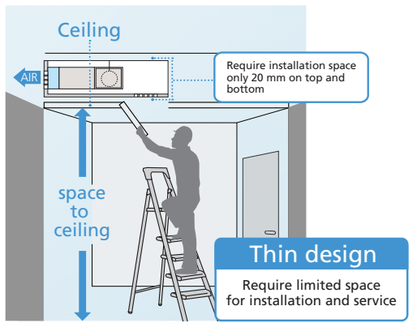
- Allows pipe installation from either side of indoor unit, simplified design process and installation.



Easy maintenance

1-stop service space

- Requires minimum spaces for installation and maintenance can be done from only one inspection access.



Easier and faster cleaning

- In conventional model, the parts need to be removed one by one in order. However in new model, the integrated fan motor can be removed and reinstalled in one time.

Easy access to control box from bottom side

- All wiring is simplified to control box, so maintenance can be done from bottom side.

Energy efficiency & comfort

- Control of airflow rate can be selected from 5-step and Auto to provide comfortable airflow.
- Quiet operation 27 dB(A) in L tap for the FXDBQ40/63

Specifications

MODEL			FXDBQ40AVM	FXDBQ50AVM	FXDBQ63AVM	FXDBQ80AVM
Power supply			1-phase, 220-240 V/220-230 V, 50/60 Hz			
Cooling capacity		Btu/h	15,400	19,100	24,200	30,700
		kW	4.5	5.6	7.1	9.0
Power consumption*1		kW	0.062	0.080	0.090	0.120
Casing			Galvanized steel plate			
Airflow rate (H/HM/M/ML/L)		m^3/min	13.3/12/10.5/10/8.5	14.8/13/11.5/10.5/9	22/19/18/16/14.5	25/22/20/18/16
		cfm	470/424/371/353/300	522/459/406/371/318	777/671/635/565/512	883/777/706/635/565
External static pressure		Pa	15-50 (15)*2			
Sound level (H/HM/M/ML/L)*1		dB(A)	35/33/31/29/27	37/36/33/31/28	35/33/31/29/27	37/35/34/32/30
Dimensions (HxWxD)		mm	245×700×800		245×1,000×800	
Machine weight		kg	26		36	
Piping connections	Liquid (Flare)	mm	ϕ6.4		ϕ9.5	
	Gas (Flare)		ϕ12.7		ϕ15.9	
	Drain		VP25 (External Dia. 32/Internal Dia.25)			

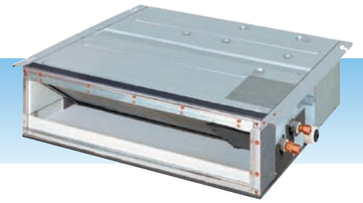
Notes: Specifications are based on the following conditions;
- Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Height difference: 0 m.
- Sound level: Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre. During actual 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 is changeable to set by the remote controller. These values indicate the lowest and highest possible static pressures. The rated static pressure is 15 Pa.

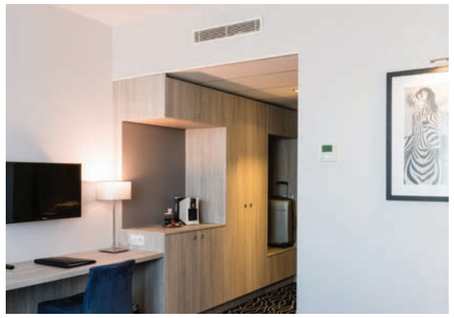
Slim Duct (Standard) Type

FXDQ-PD / ND

Slim design, quietness and ideal for drop-ceilings



Comfort



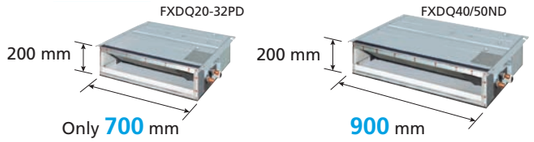
- Control of the airflow rate can be selected from 3-step control and Auto. Auto airflow rate control can be selected with wired remote controller.
- Low operation sound level: down to 23 dB(A)

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.
- FXDQ-PD and FXDQ-ND models are available in two types to suit different installation conditions.

FXDQ-PD/NDVE: with a drain pump (750 mm lift) as a standard accessory
FXDQ-PD/NDVET: without a drain pump

Great for hotel use!



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

Specifications

MODEL	with drain pump	FXDQ20PDVE	FXDQ25PDVE	FXDQ32PDVE	FXDQ40NDVE	FXDQ50NDVE	FXDQ63NDVE
	without drain pump	FXDQ20PDVET	FXDQ25PDVET	FXDQ32PDVET	FXDQ40NDVET	FXDQ50NDVET	FXDQ63NDVET
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
Power consumption (FXDQ-PD/NDVET) *1	kW	0.067		0.070	0.147	0.152	0.168
Casing		Galvanised steel plate					
Airflow rate (HH/H/L)	m^3/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
Piping connections: Gas (Flare)	mm	ϕ12.7					ϕ15.9
Piping connections: Drain	mm	VP20 (External Dia. 26/Internal Dia. 20)					

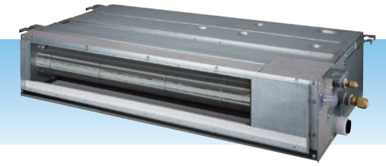
Notes: Specifications are based on the following conditions;
- Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Height difference: 0 m.
- Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index. (See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

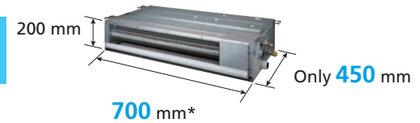
Slim and compact design for easy and flexible installation



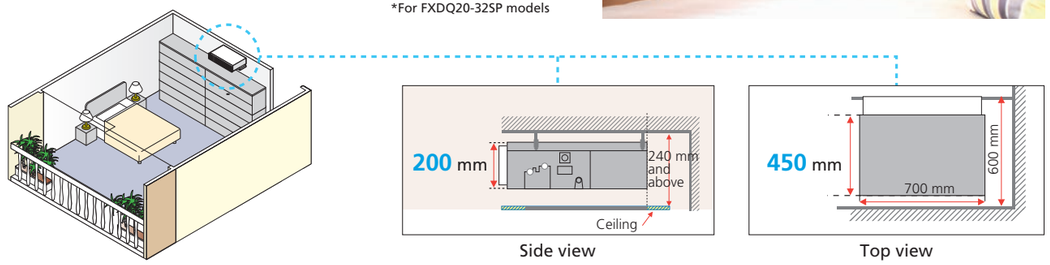
Installation flexibility

- 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



- 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
Piping connections: Gas (Flare)	mm	ϕ12.7					ϕ15.9
Piping connections: Drain	mm	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

Installation flexibility

Slim design

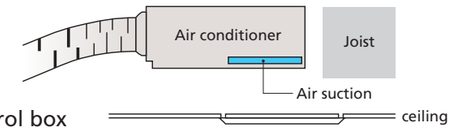
- With a height of only 245 mm, installation is possible even in buildings with narrow ceiling spaces.

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.



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

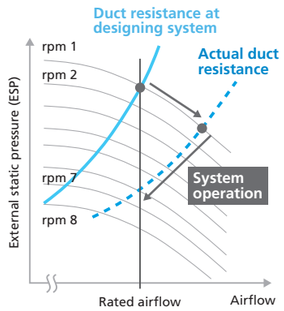
Easy installation

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

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

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 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.



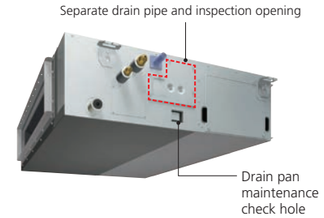
Notes: "Airflow rate auto adjustment function" can be adjusted within ±10% of rated airflow. (Refer to Engineering Data Book for details)
"Airflow rate auto adjustment function" should be used at field setting only.

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)	m³/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)	m³/min	21/17.5/14.5	23/19.5/16	32/27/22.5	37/31.5/26	39/33.5/28
	cfm	741/618/512	812/688/565	1,130/953/794	1,306/1,112/918	1,377/1,183/988
External static pressure	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

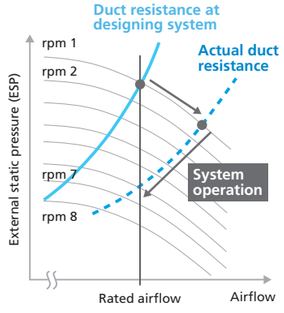
Easy installation

"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

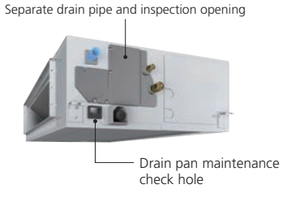
- Control of the airflow rate can be selected from 3-step control and Auto. Auto airflow rate control can be selected with wired remote controller.
- Low operation sound level: down to 29 dB(A)

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)	m³/min	9/7.5/6.5		9.5/8/7	16/13/11	18/16.5/15
	cfm	318/265/230		335/282/247	565/459/388	635/582/530
External static pressure	Pa	30-100 (50) *2			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)	m³/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-P

High static pressure allows for flexible duct design.

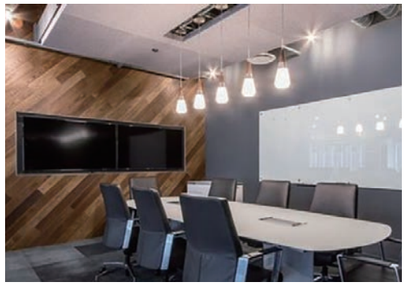
Design flexibility

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



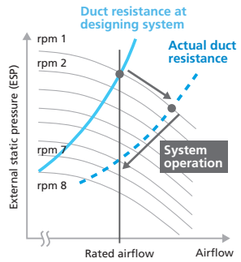
Easy installation

"Airflow rate auto adjustment function" at field setting

(local setting by remote controller)

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

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-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.

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".

4-way Flow Ceiling Suspended Type

FXUQ-A

Slim and stylish design, optimum air distribution, installation without ceiling cavity

Slim and stylish design

- Unit body and suction panel have round shapes that form a slim design, that fits various locations such as the ceilings without cavity.
- Flaps close automatically when the unit stops, which gives a simple appearance.
- All models have a unified slim height of 198 mm that gives a similar impression even when models with different capacities are installed in the same area.

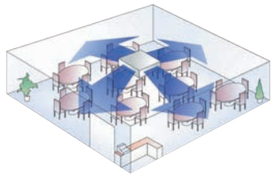
Comfort

- Airflow direction adjustment can be individually adjusted for each air discharge outlet to deliver optimal air distribution. 5 directions of airflow and auto-swing can be selected with BRC1E63 or BRC1H63W(K).
- Control of the airflow rate can be selected from 3-step control. Auto airflow rate control can be selected with wired remote controller.

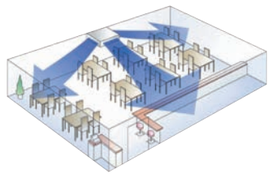
Flexible installation

- Drain pump is equipped as a standard accessory with 600 mm lift.
- Depending on installation site requirements or room conditions, 2-way, 3-way and 4-way discharge patterns are available.

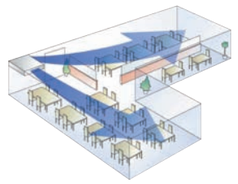
4-way flow



3-way flow



L-shaped 2-way flow



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			FXUQ71AVEB	FXUQ100AVEB
Power supply			1-phase, 220-240 V/220-230 V, 50/60 Hz	
Cooling capacity		Btu/h	27,300	38,200
		kW	8.0	11.2
Power consumption		kW	0.090	0.200
Casing			Fresh white	
Airflow rate (H/M/L)		m³/min	22.5/19.5/16	31/26/21
		cfm	794/688/565	1,094/918/741
Sound level (H/M/L)		dB(A)	40/38/36	47/44/40
Dimensions (H×W×D)		mm	198×950×950	
Machine weight		kg	26	27
Piping connections	Liquid (Flare)	mm	ϕ9.5	
	Gas (Flare)		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

Ceiling Suspended Type

FXHQ-MA / B

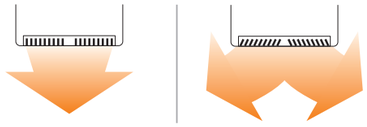
Slim body with quiet and wide airflow

FXHQ32 / 63 / 100MA

FXHQ125 / 140B

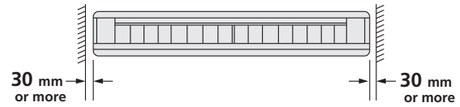
Comfort

- 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.

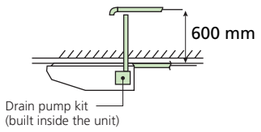


Installation flexibility

- 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.

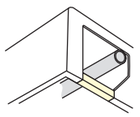


*Water used in the test-run can be drained from the air discharge opening rather than from the side as was formerly the case.



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.



Easier piping work

Cleanliness

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

Irradiates Streamer when the fan and air conditioning operation are stopped.
Streamer fumigates the cabin and sterilizes the filter.

STREAMER

BAPWS55A61

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.

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.

Conventional
FXAQ20-32A

NEW
FXAQ20-32B

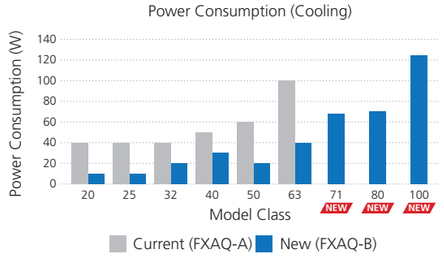
21 mm slimmer

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)

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.

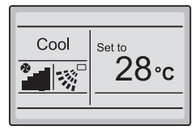
Comfort

Lower sound level

- 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

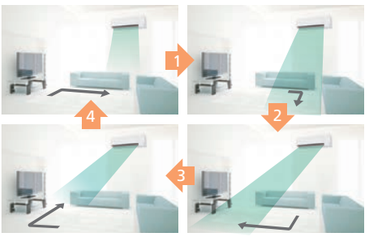
Control of airflow rate has been improved from 2-step to 5-step. Auto airflow rate is also available.
This wide range allows you to conveniently control the fan according to your individual needs.



3D airflow*

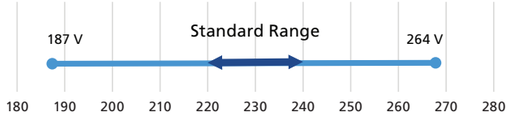
3D airflow combines vertical and horizontal Auto-Swing to reduce indoor temperature fluctuation.
This function ensures air circulation throughout the entire room, providing consistent cooling even in large areas.

*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	FXAQ80BVM	FXAQ100BVM
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)		m^3/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/m^3

Specifications

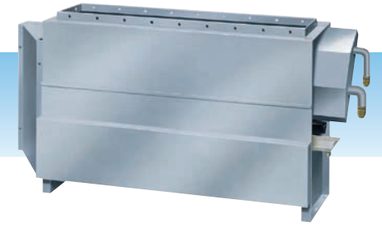
MODEL			FXLQ20MAVE	FXLQ25MAVE	FXLQ32MAVE	FXLQ40MAVE	FXLQ50MAVE	FXLQ63MAVE
Power supply			1-phase, 220-240 V/220 V, 50/60 Hz					
Cooling capacity		Btu/h	7,500	9,600	12,300	15,400	19,100	24,200
		kW	2.2	2.8	3.6	4.5	5.6	7.1
Power consumption		kW	0.049		0.090		0.110	
Casing			Ivory white (5Y7.5/1)					
Airflow rate (H/L)		m^3/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)	38/35			41/36	42/37	43/38
	240 V		39/36			43/37	44/38	45/39
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.

Concealed Floor Standing Type

FXNQ-MA

Designed to be concealed in the perimeter skirting-wall



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

*8 hr/day, 25 day/month. For dust concentration of 0.15 mg/m^3

Specifications

MODEL			FXNQ20MAVE	FXNQ25MAVE	FXNQ32MAVE	FXNQ40MAVE	FXNQ50MAVE	FXNQ63MAVE
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			Galvanised steel plate					
Airflow rate (H/L)		m^3/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)	38/35			41/36	42/37	43/38
	240 V		39/36			43/37	44/38	45/39
Dimensions (H × W × D)		mm	610×930×220		610×1,070×220		610×1,350×220	
Machine weight		kg	19		24		29	
Piping connections	Liquid (Flare)	mm	ϕ6.4					ϕ9.5
	Gas (Flare)		ϕ12.7					ϕ15.9
	Drain		21O.D.					

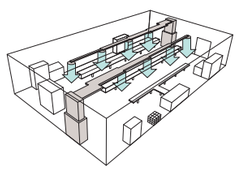
Notes: Specifications are based on the following conditions;
- Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Height difference: 0 m.
- Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index. (See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

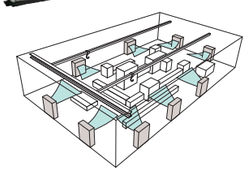
FXVQ-N

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).



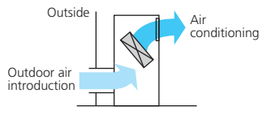
Duct connection airflow type



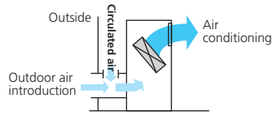
Direct airflow type

- 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.

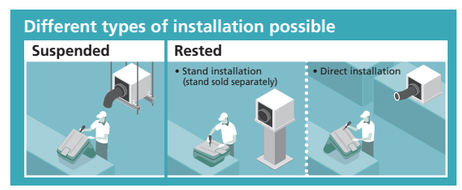
Spot Air Conditioner

FXPQ-AA

Personal air comfort delivered to large spaces

Flexible installation

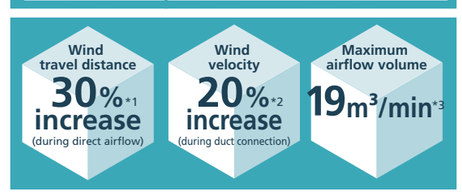
With temperature control available for each unit, air conditioning adjusts to individual preferences for personal air comfort.



Large airflow rate

The new Spot Air Conditioner delivers greater comfort by adopting a high efficiency DC motor and optimizing the shape of the air discharge grille.

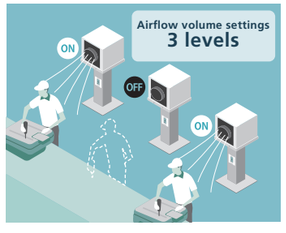
The large propeller fan provides a gentle, comfortable breeze and greater wind volume.



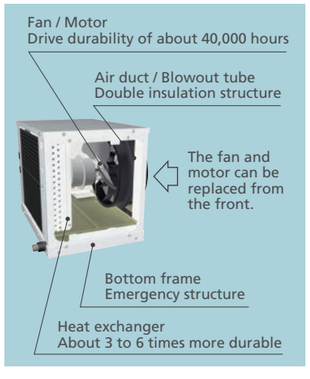
*1. This compares the distance in which airflow travels from the air outlet at wind velocity of 3 m/s with the distance that airflow travels for the conventional FXPQ25AVN.
*2. This is a comparison of wind velocity with the conventional FXPQ25AVN (50 Hz) when connected to a ø 350 duct.
*3. When the external static pressure is 0 Pa (50 / 60Hz)

Adjustable comfort for individual users

Each Spot Air Conditioner can be controlled with a dedicated wired remote controller. Individual users can set the temperature and airflow volume (3 levels).



Designed for installation in any environment



Specifications

MODEL			FXPQ25AAVN
Power supply			1-phase, 220 V, 50/60 Hz
Cooling capacity		Btu/h	9,600
		kW	2.8
Power consumption		kW	0.090
Casing			Fresh White (N9.3)
Airflow rate (H/M/L)		m³/min	15/13/10
		cfm	530/459/353
External static pressure (H)		Pa	25
Sound level (H)		dB(A)	55
Dimensions (H × W × D)		mm	455 x 555 x 470
Machine weight		kg	28
Piping connections	Liquid (Flare)	mm	ϕ6.4
	Gas (Flare)	mm	ϕ12.7
	Drain	mm	SGP20A (External Dia. 27.2/Internal Dia. 21.6)
Drain water		L/h	8

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 1.0 m downward from the unit centre. During actual operation, these values are normally somewhat higher as a result of ambient conditions.
- Power consumption values are based on conditions of rated external static pressure.

Clean Room Air Conditioner

FXB(P)Q-P

Suitable for hospitals and other clean spaces

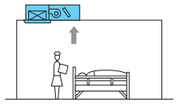
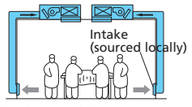
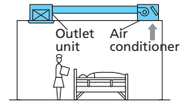
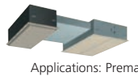
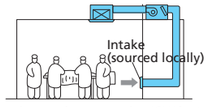
Easily provides the high cleanliness environment required by various industries

Daikin's clean room air conditioners are specially designed to achieve an environment cleanliness class 10,000. These air conditioners easily realize a cleanliness-class environment and help create a proper environment of hospitals, food and beverage factories, electronics factories, and other spaces that require clean air.

Select the air flow system and installation method to match the layout and purpose of the room

Two types of clean room air conditioners are available – an integrated unit model and a separate outlet unit model.
It is also possible to configure the air flow system to ceiling intake or floor-level intake according to the panel selected.
This flexible design enables the air conditioner to easily adopt to any room layout or use.

Instances of installation by type (for a hospital)

Type		Ceiling intake type (high speed contracted flow/high ceiling model)	Floor-level intake type (gentle wind distribution/high cleanness class model)
Features		Construction work is simple and a ceiling installation is possible. Dust filtering and air-conditioning can be started immediately.	Easy to increase the cleanness and air-conditioning effect. A low flow speed prevents drying of the affected part and the experience of drafts.
Cleanness class*1		100,000 to 10,000	10,000
Wind speed		1.0 m/s or higher	Approximately 0.5 m/s
Blow method	Integrated outlet unit model	• Concentrated air conditioning centered directly under the unit • Easy installation   Applications: Surgery prep rooms, recovery rooms, nurse stations, etc.	• Total air conditioning with an emphasis on cleanliness   Applications: Operating theatres, delivery rooms, etc.
	Separate outlet unit model	• Somewhat concentrated air conditioning centered directly under the outlet • Can provide air conditioning in rooms with irregular shapes   Applications: CCU*2, sterile rooms, etc.	• Total air conditioning with an emphasis on cleanliness • Maintenance possible from a different room   Applications: Premature nurseries, newborn nurseries, ICU*3, etc.

* 1. Cleanliness class. A scale expressing the cleanliness of air established by NASA (National Aeronautics and Space Administration). Class 10,000 represents a state of less than 10,000 minute particles of diameter under 0.5 µm per cubic foot. For comparison, the cleanliness of a typical office is around class 1,000,000.
* 2. CCU (Cardiac Care Unit). A ward dedicated to the admission of patients with myocardial infarctions and other heart diseases.
* 3. ICU (Intensive Care Unit). A ward for the careful treatment and nursing of patients with serious illnesses, injuries, or recovering from operations.

Prevents uncomfortable drafts with a low flow speed of approximately 0.5 m/s

The floor-level intake system has a low flow speed of approximately 0.5 m/s.

Filtration

Class 10,000 clean room condition achieved with a HEPA filter (sold separately)

The low pressure-loss HEPA filter (sold separately) demonstrates superior dust filtering performance and easily accomplishes an air cleanliness of class 10,000.

* It may not be possible to maintain cleanliness in rooms with low air tightness.

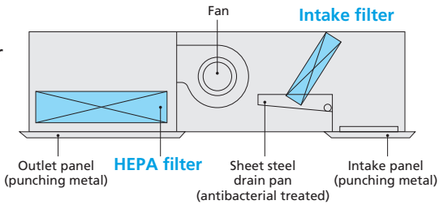
Antibacterial

Suppresses the propagation of bacteria in the duct with a proprietary antibacterial coating

The filter implements an antibacterial treatment with a new coating combining a silver-based inorganic antibacterial material (an organic antibacterial material that is effective against germs) that prevents mould.
This enhances the antibacterial properties of the duct.
An antibacterial treatment using a silver-based organic substance reduces mould.

Antibacterial fiber used in the intake filter

With a long-life filter employing anti-mould antibacterial fiber near the intake, cleaning performance is further enhanced.



* Please be aware that antibacterial products suppress the propagation of bacteria but do not have a sterilizing effect. Also, mould may grow in places where dust or soot accumulates.
* A material for which the registered safety was verified by Japanese chemicals and dangerous substances regulation law (Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc) is used for the antibacterial material.
* Periodic maintenance is required (such as cleaning the air filter and washing the inside to the unit).

Specifications

Type			Integrated outlet unit model			Separate outlet unit model
MODEL	Indoor unit		FXBQ40PVE	FXBQ50PVE	FXBQ63PVE	FXBPQ63PVE
	Outlet unit		Integrated with the indoor unit			BAF82A63
Power supply			1-phase, 220-240 V/220 V, 50/60 Hz			
Cooling capacity		Btu/h	15,400	19,100	24,200	
		kW	4.5	5.6	7.1	
Power consumption		kW	0.33		0.43	
Intake filter efficiency *1			70% by gravimetric method			
Outlet HEPA filter efficiency *2			99.97% by DOP method *5			
Indoor unit weight		kg	140 *3		185 *3	120 *6
Casing			Galvanised steel plate			
Airflow rate (H/L)		m^3/min	18/16		23.5/20	
		cfm	635/565		830/706	
Sound level (H/L) *4		dB(A)	44/42			
Dimensions (H×W×D)		mm	492×1,788×1,000		492×1,788×1,300	492×1,078×1,300
Outlet unit weight		kg	–			65 *3
Piping connections	Liquid (Flare)	mm	ϕ6.4		ϕ9.5	
	Gas (Flare)		ϕ12.7		ϕ15.9	
	Drain		PT1B			
Filter(Option)	HEPA filter	Model	BAFH82A50		BAFH82A63	
Panel (Option)	Ceiling intake type		BYB82A50C		BYB82A63C	BYB82A63CP
	Floor-level intake type		BYB82A50W		BYB82A63W	BYB82A63WP

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: An intake air filter is only attached to the ceiling intake type.
*2: HEPA filter sold separately. The dust collection efficiency of HEPA filter is 99.97%. However, air may slightly leak around the filter when installing.
*3: Weight including HEPA filter and panel.
*4: Anechoic chamber conversion value under JIS B 8616 test conditions. Value usually increases slightly in practice due to surrounding conditions.
*5: The clean room air conditioner does not support DOP testing (leak test) based on GMP standards (Standards for Manufacturing Control and Quality Control for Medical Devices) due to slight leakage at time of product installation.
*6: Weight including panel.
*In the case of an installation in an operating theatre etc. where an air conditioner malfunction may have serious consequences, please build in redundancy with two or more outdoor units.

Warning

Because the ceiling intake type provides concentrated air conditioning that blows directly under the outlet. Accordingly, please be aware of the following.

- Sufficient heating may not be achieved near the floor or at locations far from the outlet.
- In the case of utilization in a hospital, some patients may be susceptible to cool drafts, so please ensure that they do not come directly under the outlet.
- Install multiple units using two or more outdoor unit systems for installations to rooms such as operating rooms where the failure of the air conditioner may have serious consequences.
- In order to maintain static pressure in a room, the indoor fan continues to operate even when an abnormality occurs due to the thermostat shutting off, defrost operation, protection device operation, or similar issue.
- When incorporating outdoor air from the fresh air intake, install a damper or similar device to the duct routing and have it interlocked with the indoor fan so that the outdoor air is shut out when the fan stops.
  The air that incorporates the suction filter may flow backward and allow dust trapped in the filter to return to the room.
- When using gas to disinfect hospital operating rooms where this unit is installed, stop operation and cover the air inlet and outlet with plastic sheets to prevent the gas from reaching and damaging the air conditioner.

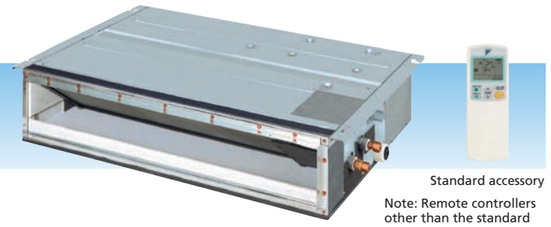
Use the floor-level intake type in the following kind of locations.

- Locations in which heating of the lower part or the entire room is important.
- Locations necessitating a particularly high cleanliness factor and in which there are many people.

Slim Ceiling Concealed Duct Type

FDKS-C(A)

Slim and smooth design suits your shallow ceiling



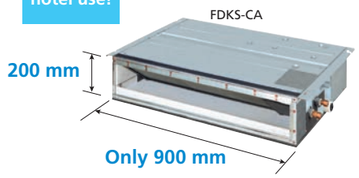
Standard accessory

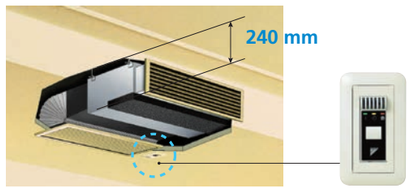
Note: Remote controllers other than the standard accessory wireless remote controller cannot be used.

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!



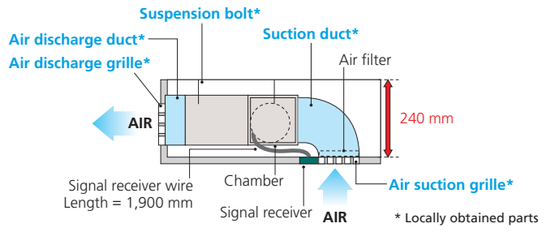


Signals from the wireless remote controller are transmitted to the signal receiver.

Comfort

- Low operation sound level: down to 29 dB(A)
- Home Leave Operation prevents large increase or decrease in the indoor temperature by continuing operation* while someone is sleeping or left the house. This means that an air-conditioned welcome awaits when someone wakes up or returns. It also means that the indoor temperature can quickly return to the preferred comfort setting.

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



Notes: 1. To prevent an increase of the operation noise, avoid installing the air suction grille directly below the suction chamber.
2. Grilles, piping connections, ducts, and installation parts should be obtained locally. Slim Ceiling Mounted Duct type models do not have drain-up pumps.
3. The signal receiver unit must be located near the air suction inlet, because the unit includes a sensor that detects room temperature.

Specifications

MODEL			FDKS25CAVMB	FDKS35CAVMB	FDKS50CVMB	FDKS60CVMB
Power supply			1-phase, 220-240 V/220-230 V, 50/60 Hz			
Airflow rates (H)		m^3/min(cfm)	9.5 (335)	10.0 (353)	12.0 (424)	16.0 (565)
Sound levels (H/L/SL)*		dB(A)	35/31/29		37/33/31	38/34/32
Fan speed			5 steps, quiet and automatic			
Temperature control			Microcomputer control			
Dimensions (H × W × D)		mm	200X900X620			200X1,100X620
Machine weight		kg	25		27	30
Piping connections	Liquid (Flare)	mm	ϕ6.4			
	Gas (Flare)		ϕ9.5		ϕ12.7	
	Drain		VP20 (External Dia. 26/Internal Dia. 20)			
Heat insulation			Both liquid and gas pipes			
External static pressure		Pa	40			

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

Wall Mounted Type

FTKJ-N

Elegant appearance with European style

reddot award 2014 winner
German Design Award SPECIAL MENTION 2015

Standard accessory

Stylish design

Elegant appearance with curved panel

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

Efficiency & comfort

Two-area intelligent eye

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

Comfort Airflow Mode

Comfort Airflow Mode prevents uncomfortable impacts from blowing directly to a person's body. During cooling operation, the flap moves upwards to prevent cold impacts.

3D Airflow

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

Specifications

MODEL			FTKJ25NVMW	FTKJ25NVMS	FTKJ35NVMW	FTKJ35NVMS	FTKJ50NVMW	FTKJ50NVMS
Power supply			1-phase, 220-240 V/220-230 V, 50/60 Hz					
Front panel colour			White	Silver	White	Silver	White	Silver
Airflow rates (H)		m^3/min(cfm)	8.9 (313)		10.9 (385)			
Sound levels (H/L/SL)		dB(A)	38/25/19		45/26/20		46/35/29	
Fan speed			5 steps, quiet and automatic					
Temperature control			Microcomputer control					
Dimensions (H × W × D)		mm	303x998x212					
Machine weight		kg	12					
Piping connections	Liquid (Flare)	mm	ϕ6.4					
	Gas (Flare)		ϕ9.5				ϕ12.7	
	Drain		ϕ18.0					
Heat insulation			Both liquid and gas pipes					

Wall Mounted Type

FTKS-D/F

Stylish flat panel harmonises with your interior décor

FTKS25D / FTKS35D		 Standard accessory*
FTKS50F / FTKS60F / FTKS71F		

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

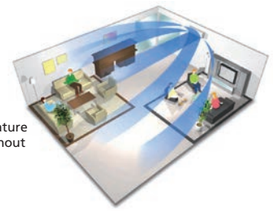
Efficiency & comfort

- Intelligent Eye with its infrared sensor automatically controls air conditioner operation according to human movement in a room. When there is no movement, it adjusts the temperature by 2˚C for energy savings.
- Low sound level: down to 22 dB(A)
- 3-D Airflow combines Vertical and Horizontal Auto-Swing to circulate air to every part of a room for uniform cooling of even large spaces.

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

When you are in the room

When you go out



A uniform temperature is achieved throughout the entire room.

Cleanliness

Titanium Apatite Deodorising Filter

While the filter's micron-level fibres trap dust, titanium apatite effectively adsorbs odours and allergens, as well as deodorises odours.

*This filter is not a medical device. Benefits such as the adsorption of odours and allergens and deodorisation of odours are only effective for substances which are directly attached to the Titanium Apatite Deodorising Filter.

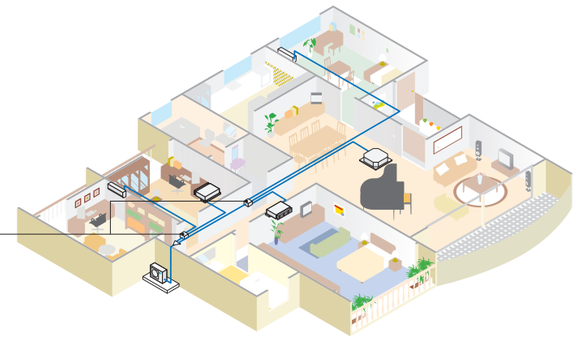
Specifications

MODEL			FTKS25DVM	FTKS35DVM	FTKS50FVM	FTKS60FVM	FTKS71FVM
Power supply			1-phase, 220-240 V/220-230 V, 50/60 Hz				
Front panel colour			White				
Airflow rates (H)		m^3/min (cfm)	8.7 (307)	8.9 (314)	14.7 (519)	16.2 (572)	17.4 (614)
Sound levels (H/L/SL)		dB(A)	37/25/22	39/26/23	43/34/31	45/36/33	46/37/34
Fan speed			5 steps, quiet and automatic				
Temperature control			Microcomputer control				
Dimensions (H × W × D)		mm	283×800×195		290×1,050×238		
Machine weight		kg	9		12		
Piping connections	Liquid (Flare)	mm	φ6.4				
	Gas (Flare)		φ9.5		φ12.7		φ15.9
	Drain		φ18.0				
Heat insulation			Both liquid and gas pipes				

BP Units

BP units for connection to residential indoor units

The BP units can be installed inside the ceiling.

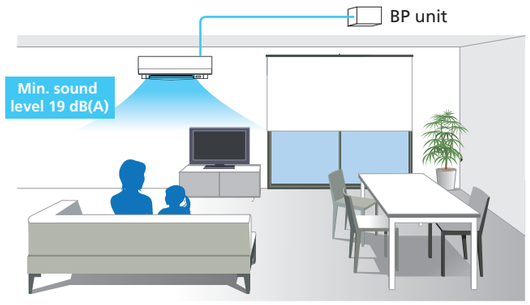


Connectable to residential indoor units

BP units allow ***VRV*** systems to be connected to Daikin's stylish and quiet residential indoor units.

Quiet operating sound

Expansion valves tend to create refrigerant passing noise. However, this noise can be reduced by installing the valves in BP units. The units can be fitted inside the ceiling or roof-space far from an indoor unit.
Some Daikin residential indoor units also provide minimum sound levels of just 19 dB(A).



Specifications

MODEL				BPMKS967A3	BPMKS967A2
Power supply				1-phase, 220-240 V/220-230 V, 50/60 Hz	
Number of ports				3 (connectable to 1-3 indoor units)	2 (connectable to 1-2 indoor units)
Power consumption			W	10	
Running current			A	0.05	
Dimensions (HXWXD)			mm	180X294 (+356*)X350	
Machine weight			kg	8	7.5
Number of wiring connections				3 for power supply (including earth wiring), 2 for interunit wiring (outdoor unit-BP, BP-BP), 4 for interunit wiring (BP-indoor unit)	2 for power supply (including earth wiring), 2 for interunit wiring (outdoor unit-BP, BP-BP), 3 for interunit wiring (BP-indoor unit)
Piping connections (Brazing)	Liquid	Main	kW	φ9.5X1	
		Branch		φ6.4X3	φ6.4X2
	Gas	Main	kW	φ19.1X1	
		Branch		φ15.9X3	φ15.9X2
Heat insulation				Both liquid and gas pipes	
Connectable indoor units				2.5 kW class to 7.1 kW class	
Min. rated capacity of connectable indoor			kW	2.5	
Max. rated capacity of connectable indoor			kW	20.8	14.2

Note: *Total auxiliary piping length.

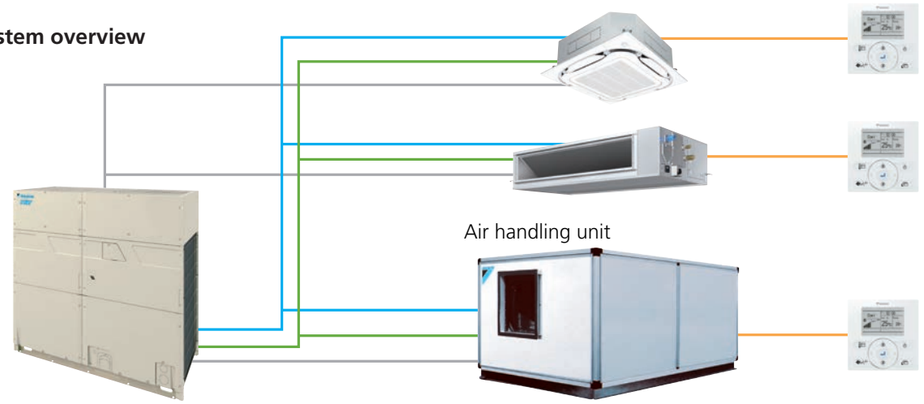
Air Handling Unit

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



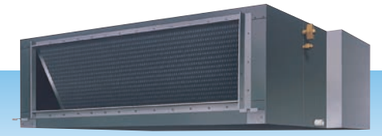
Daikin air handling units can be connected to ***VRV*** systems.
This combination can be built to order as a system. Outdoor air series is also possible. Please contact your local sales office for details.

Air Treatment Equipment

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

FXMQ-MF Series*

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

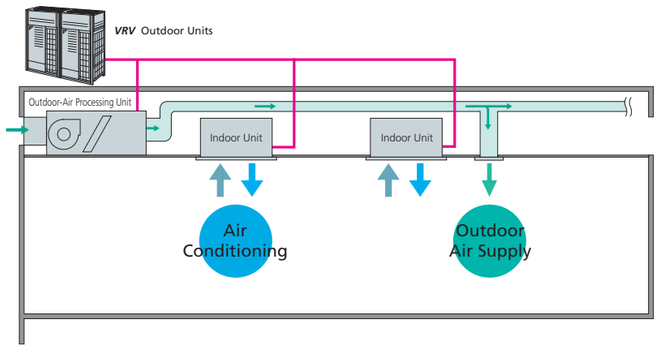


*For Philippines market, please refer to FXMQ-MFVJU Series.

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

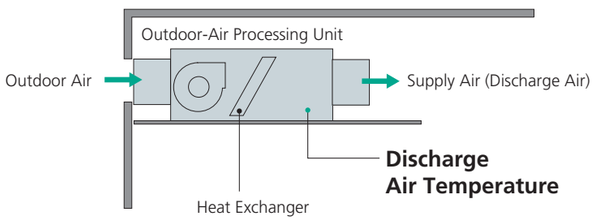


Connection Conditions

- 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.

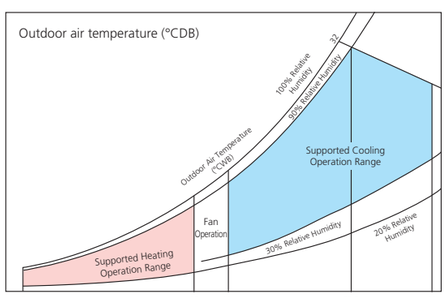
Outdoor-air processing / Discharge air temperature control

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.

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	m³/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		
	Simple touch controller		DTP401A61		
	AC adaptor for simple touch controller		DTP401A62 / DTP401A64 / DTP401A65 / DTP401A66		
	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.

Air Treatment Equipment

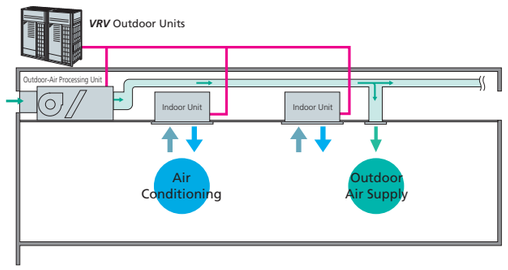
Outdoor-Air Processing Unit (Room Temperature Control Type)

FXMQ-BF Series*

Improve IAQ with fresh air ventilation and precise room temperature control

*For Vietnam and Pakistan market, please refer to FXMQ-AF Series.

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 m^3/h	1,230 m^3/h	1,740 m^3/h	2,160 m^3/h

Type of connected indoor units	Connection 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%

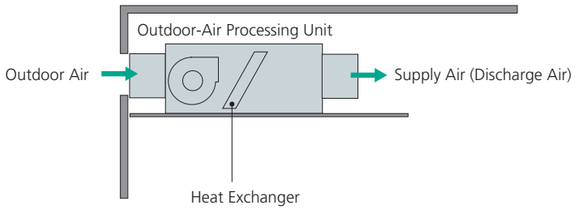
$$\text{Connection ratio} = \frac{\text{Total capacity index of the indoor units}}{\text{Capacity index of the outdoor units}}$$

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

The unit improves IAQ with fresh air ventilation and precise 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.

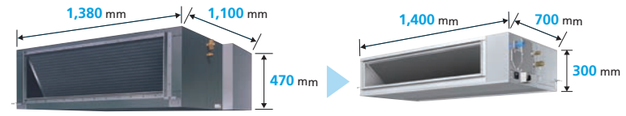
* This unit cannot be used to handle internal heat loads.
* The discharge air temperature changes depending on the air conditioning load, outside air temperature, and operation of the protective device.
  When the protection function is activated, unprocessed outside air maybe sent directly.
* The fan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

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.

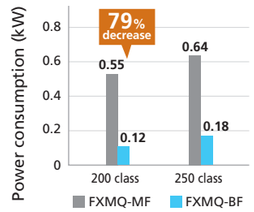
Slim & compact design

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.

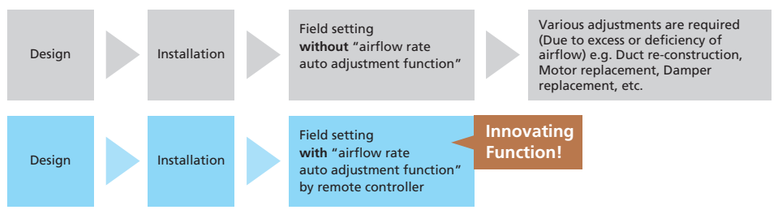
Adjustable external static pressure

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

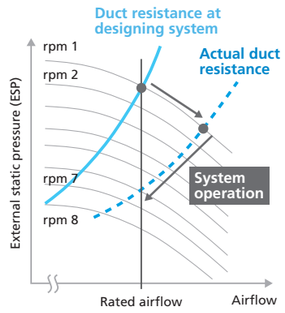
"Airflow rate auto adjustment function" at field setting

(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.



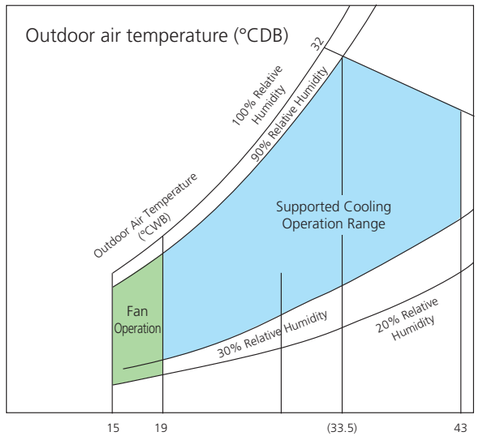
Notes: "Airflow rate auto adjustment function" can be adjusted within ±10% of rated airflow. (Refer to Engineering Data Book for details)
"Airflow rate auto adjustment function" should be used at field setting only.

Air Treatment Equipment

Outdoor-Air Processing Unit (Room Temperature Control Type)

Extended operation range

The outdoor operation temperature range extended from 19 to 15°CDB*.
This enables reliable operation even under wider temperature conditions.



Extended operation range:
Cooling: 15°CDB to 43°CDB

* Thermo-off (fan) operation starts automatically when cooling 19°CDB or less.
Operation range can be extended to 15°CDB by field setting.

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, 220-240/220-230 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		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)	m^3/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	29	37	47	48
Sound level (H/M/L) *3		dB(A)	37.5/30/23	41/34/25	42/35/26	44/36/27
Operation range *4		°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 by field setting.
When fresh air intake mode is enabled, operation range cannot be extended. (limit at 19 to 43°C)

Options

Model		FXMQ80BFVM	FXMQ140BFVM	FXMQ200BFVM	FXMQ250BFVM
Operation/control	Wired remote controller	BRC1H63W(K) / BRC1E63 / BRC2E61			
	Wireless remote controller *4	BRC4C66			
	Remote sensor (for indoor temperature)	BRCS01A-6			
	Simple touch controller	DTP401A61			
	AC adaptor for simple touch controller	DTP401A62 / DTP401A64 / DTP401A65 / DTP401A66			
	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	KDDF37AB56	KDDF37AB80	KDDF37AB160	
	Long life replacement filter	KAF371B56	KAF371B80	KAF371B160	
	Streamer duct chamber	BDEZ500A140VE	BDEZ500A140VE BDEZ500A510VE	BDEZ500A510VE	
Service panel		KTBJ25K56F	KTBJ25K80F	KTBJ25K160F	
Air discharge adaptor		KDAJ25K56A	KDAJ25K71A	KDAJ25K140A	
Adaptor for wiring (operation status output)		★ BRP11B62			
Wiring adaptor for electrical appendices (1)		★ KRP2A61			
Wiring adaptor for electrical appendices (2)		★ KRP4AA51			
Installation box for adaptor PCB ☆ *1		★ KRP4A96 *2, 3			
External control adaptor for outdoor unit		★ DTA104A61			
Adaptor for multi tenant (24V type)		★ DTA114A61			
Digital input adaptor for hotel application		★ 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.
*4. Remote sensor is necessary when using wireless remote controller.

Air Treatment Equipment

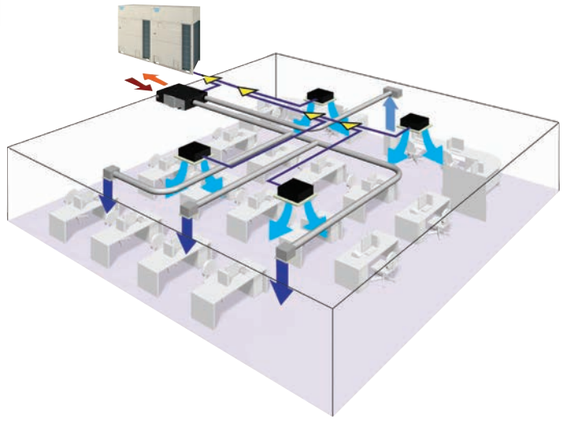
Heat Reclaim Ventilator with DX-coil

VKM-GC Series

Air quality improvement by introducing fresh outdoor air in the room

Lineup

Model	VKM50GCVE	VKM80GCVE	VKM100GCVE
Capacity Index	31.25	50	62.5
Airflow rate	500 m^3/h	750 m^3/h	950 m^3/h



IAQ improvement by fresh air

Maintains comfortable indoor air quality (IAQ) by adding fresh outdoor air having nearly the same temperature and humidity conditions as the indoor air.

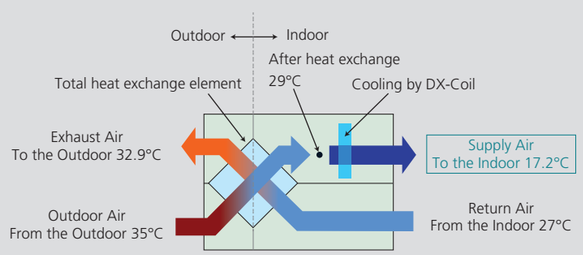
This energy-saving heat reclaim ventilator further reduces air conditioning load.

Heat reclaim ventilator + Heat exchanger → Comfortable air supply

Equipped with a heat reclaim ventilator and a heat exchanger, the new VKM series minimizes room temperature fluctuations.

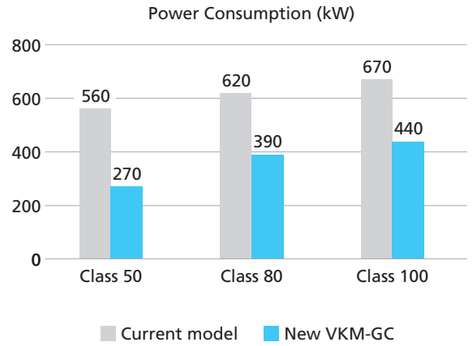
The supply air is cooled from 29°C to 17.2°C with DX-coil.

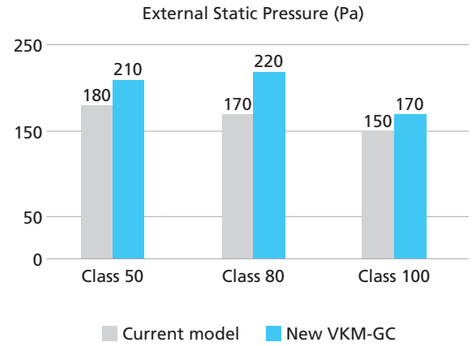
Structure of VKM series



Equipped with DC fan motor

- Energy saving: Power consumption reduced by up to 51% (Class 50)
- Flexible installation due to high external static pressure: Increase of up to +50 Pa (Class 80)





Supports both 50/60 Hz power supply

Current model 1-phase, 220-240 V, 50 Hz only

▼

New model 1-phase, 220-240 V, 50 Hz
1-phase, 220 V, 60 Hz

CO_2 sensor control (Option)

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.

PM2.5 filter (Option)

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.

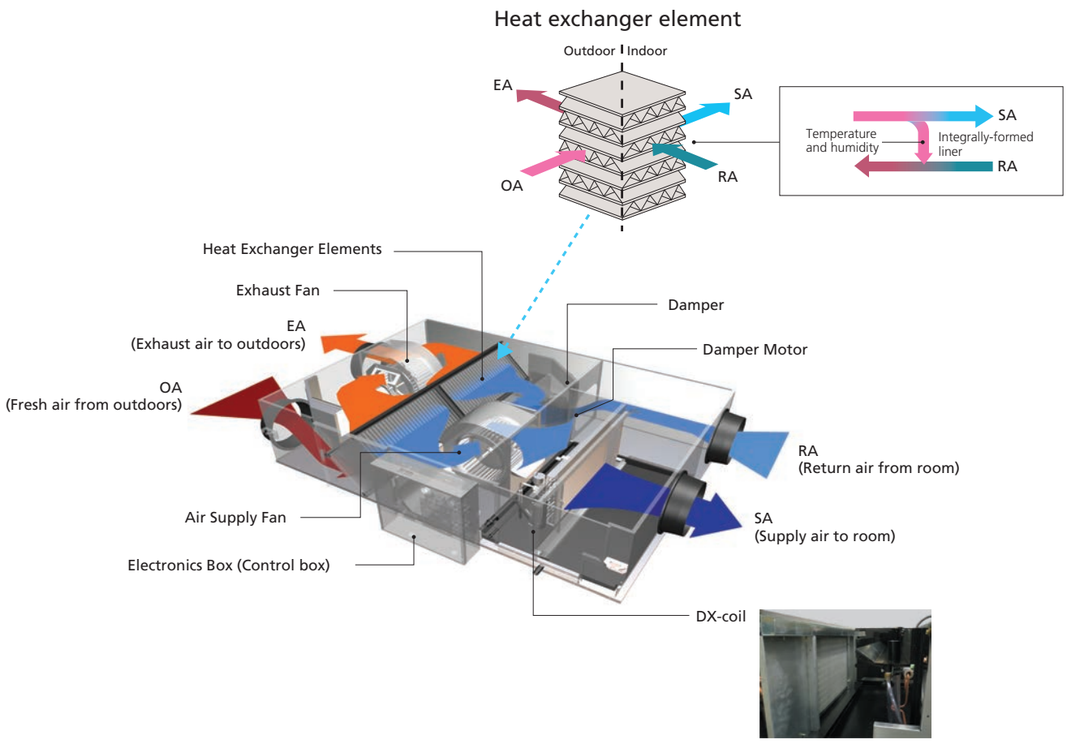
- PM2.5 filter: Removes 99% or more of 2.5 µm particulate matter.
- Activated Carbon filter: Removes sulfur oxides and nitrogen oxides

Other characteristics

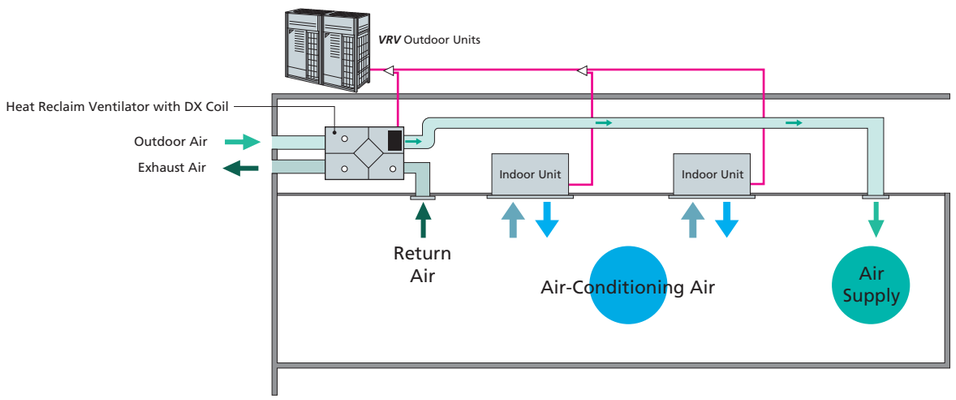
- Nighttime free cooling operation
- Stainless drain pan
- High-efficiency filter (Option)

Air Treatment Equipment

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



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



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

Specifications

MODEL			VKM50GCVE	VKM80GCVE	VKM100GCVE
Refrigerant			R-410A		
Power Supply			1-phase, 220-240 V/220 V, 50/60 Hz		
Airflow Rate & External Static Pressure (Ultra-high / High / Low) (Note 4)	Airflow	m^3/h	500/500/440	750/750/640	950/950/820
	Static pressure	Pa	210/170/140	220/180/125	170/120/90
Power Consumption (Ultra-high / High / Low)	Heat exchange mode	W	270/230/170	390/335/220	440/370/260
	Bypass mode	W	305/260/200	390/335/220	440/370/260
Fan Type			Sirocco Fan		
Motor Output		kW	0.21×2		
Sound Level (Note 3) (Ultra-high / High / Low)	Heat exchange mode	dB	43/40.5/39	41.5/39/37	41/39/36.5
	Bypass mode	dB	43/41/39	41.5/39/37	41/39/36.5
Temp. Exchange Efficiency (Ultra-high / High / Low)		%	76/76/77.5	78/78/79	74/74/76.5
Enthalpy Exchange Efficiency (Ultra-high / High / Low)	Cooling	%	64/64/67	66/66/68	62/62/66
	Heating	%	67/67/69	71/71/73	65/65/69
Heat Exchanging System			Air to Air Cross Flow Total Heat (Sensible + Latent Heat) Exchange		
Heat Exchanger Element			Specially Processed Non flammable Paper		
Air Filter			Multidirectional Fibrous Fleeces		
DX-coil Capacity (Cooling / Heating) (Note 1) (Note 2)		kW	2.8 / 3.2	4.5 / 5.0	5.6 / 6.3
Dimensions (Height×Width×Depth)		mm	387 × 1,764 × 832	387 × 1,764 × 1,214	
Piping Connection	Liquid	mm	ϕ6.4 (Flare)		
	Gas	mm	ϕ12.7 (Flare)		
	Drain		PT3/4 External Thread		
Machine Weight		kg	92	113	115
Unit Ambient Condition	Around Unit		0°C–40°CDB, 80%RH or less		
	OA (Note 5)		-15°C–40°CDB, 80%RH or less		
	RA (Note 5)		0°C–40°CDB, 80%RH or less		

Notes: 1. Indoor temperature: 27°CDB, 19°CWB, Outdoor temperature: 35°CDB
2. Indoor temperature: 20°CDB, Outdoor temperature: 7°CDB, 6°CWB
3. The operating sound measured at the point 1.5 m below the centre of the unit is converted to that measured in an anechoic chamber built in accordance with the JIS C 1502 conditions. The actual operating sound varies depending on the surrounding conditions (near running unit's sound, reflected sound and so on) and is normally higher than this value.
For operation in a quiet room, it is required to take measures to lower the sound.
For details, refer to the Engineering Data.
4. Airflow rate can be changed over to Low mode or High mode.
5. OA: fresh air from outdoor. RA: return air from room.
6. Temperature exchange efficiency is the mean value for Cooling and Heating. Efficiency is measured under the following condition: Ratio of rated external static pressure outdoor to indoor is kept constant at 7 to 1.

Options

Item \ Type				VKM50GCVE	VKM80GCVE	VKM100GCVE
Controlling device	Remote controller *1			BRC1H63W(K) / BRC1E63		
	PCB Adaptor	Wiring adaptor for electrical appendices		KRP2A61		
		For heater control kit		BRP4A50A		
Additional function	Silencer			—	KDDM24B100	
		Nominal pipe diameter	mm	—	ϕ250	
	High efficiency filter			KAF242J80M	KAF242J100M	
	Air filter for replacement			KAF241G80M	KAF241G100M	
Flexible duct			1 m	K-FDS201E	K-FDS251E	
			2 m	K-FDS202D	K-FDS252E	
CO_2 Sensor				BRYC24B50M	BRYC24B100M	
PM2.5 filtration unit				BAF249A500	BAF429A20A	
PM2.5 with activated carbon filtration unit				BAF249A500C	BAF429A20AC	
Streamer duct chamber				BDEZ500A60VE BDEZ500A140VE	BDEZ500A140VE	

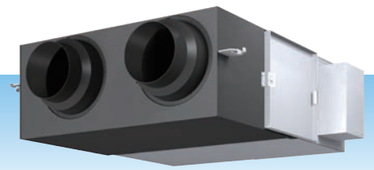
*1. Necessary when operating a Heat Reclaim Ventilator (VKM) independently. When operating interlocked with other air conditioners, use the remote controllers of the air conditioners.
• Please inquire concerning optional accessories not listed above.

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

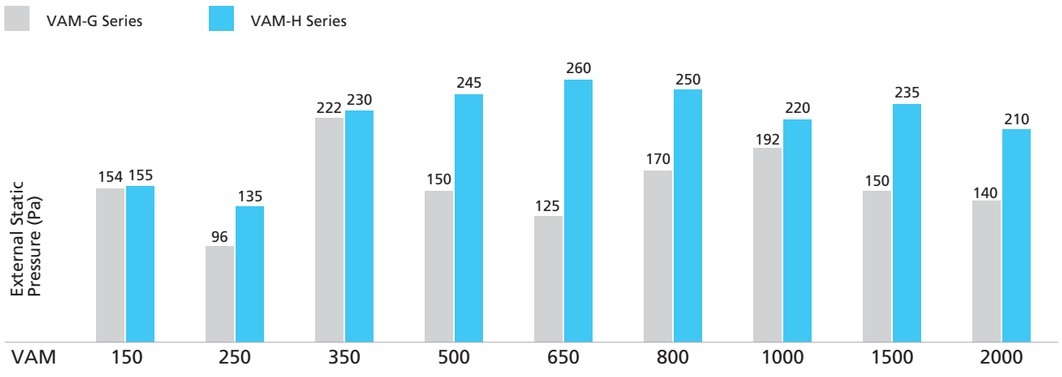
New features

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.

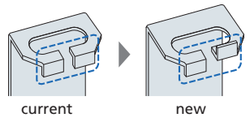
■ Comparison of external static pressure



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.

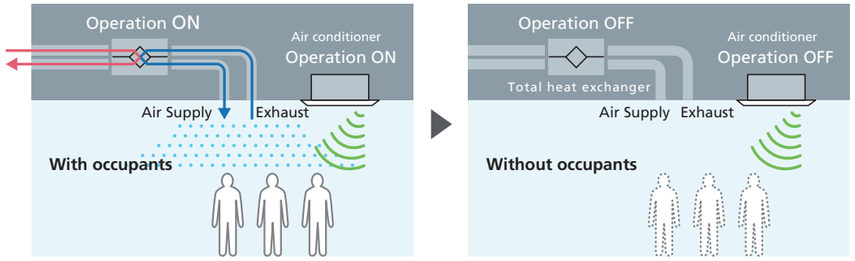


Energy saving

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.

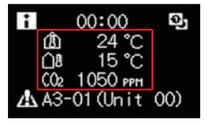
When the humidity sensor is not installed	When the humidity sensor is installed
Outdoor air with high humidity enters through normal ventilation.	When outdoor air with high humidity is detected, the system automatically switches to ventilation mode and prevents the humid outdoor air from entering.
• **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.

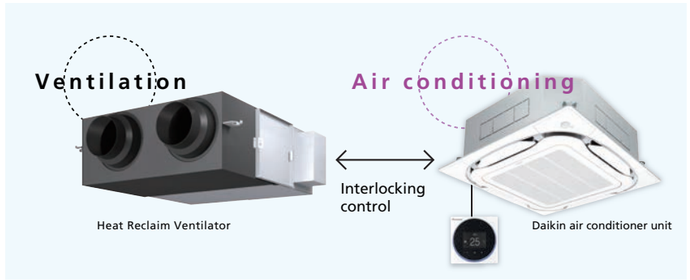
Air Treatment Equipment

Heat Reclaim Ventilator

Energy saving / Heat recovery functions

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

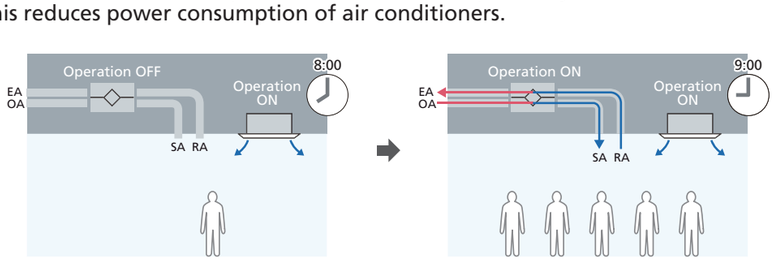
The system can be interlocked with Daikin air conditioners to provide energy saving ventilation solution for various situation.



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.

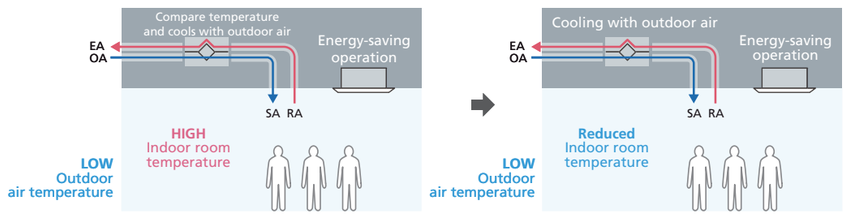


* The delay time can be changed using field settings.

Auto-ventilation mode changeover switching

Automatically determine the appropriate ventilation for each situation

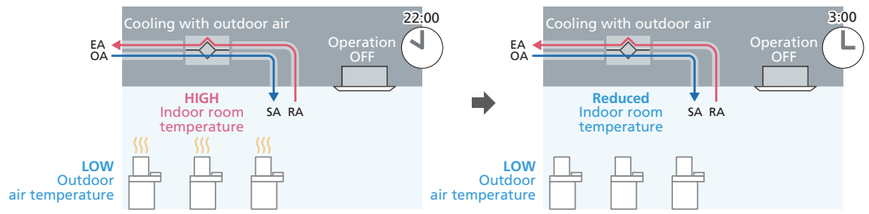
Indoor temperature and the outdoor temperature are detected, and the system automatically switches to the ventilation mode which has higher energy-saving effect.



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)

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)

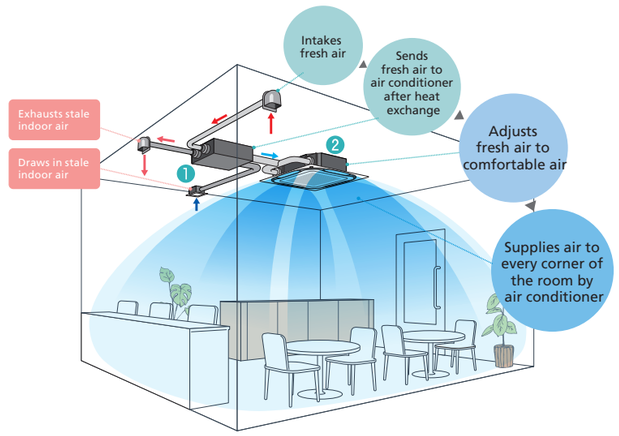
Removes PM2.5 particulate matter present in the outdoor air, as well as sulfur oxides and nitrogen oxides, providing clean fresh air to the indoor ambient.

- 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	m^3/h	150/150	250/250	350/350	500/500	650/650	800/800	1,000/1,000	1,500/1,500	2,000/2,000
		High		150/150	250/250	350/350	500/500	650/650	800/800	1,000/1,000	1,500/1,500	2,000/2,000
		Low		100/80	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	ϕ100	ϕ150		ϕ200		ϕ250		ϕ250 × 4	
		Outdoor side	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

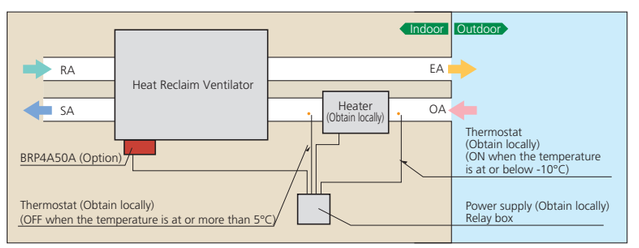
Options

Item \ MODEL			VAM150HVE	VAM250HVE	VAM350HVE	VAM500HVE	VAM650HVE	VAM800HVE	VAM1000HVE	VAM1500HVE	VAM2000HVE
Additional function	Silencer		—			KDDM24B100				KDDM24B100 × 2	
		Nominal pipe mm	—			ϕ200			ϕ250		
	PM2.5 filter		BAFH510A250		BAFH510A350	BAFH510A650		BAFH510A2000		BAFH510A2000 × 2	
	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			BRYC24A25M		BRYC24A35M	BRYC24A65M		BRYC24A100M			
Humidity sensor			BRYH241A100 (for RA) / BRYH242A100 (for OA)								
PM2.5 filtration unit			BAF249A150	BAF249A300	BAF249A350	BAF249A500	—	BAF429A20A			
PM2.5 with activated carbon filtration unit			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	Simple touch controller	DTP401A61								
		AC adaptor for simple touch controller	DTP401A62 / DTP401A64 / DTP401A65 / DTP401A66								
		Residential central remote controller	DCS303A51*1								
		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. For residential use only. When connect with a Heat Reclaim Ventilator (VAM), you can only switch the power ON/OFF. It cannot be used with other central control equipment.

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.



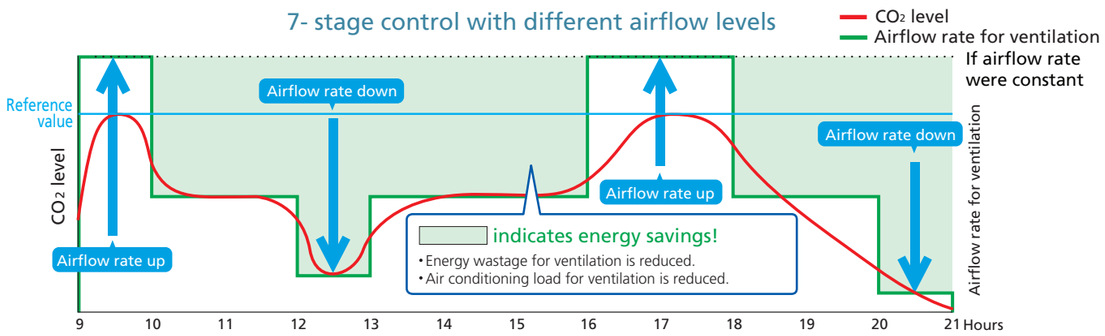
Notes when installing :
- Examine fully an installation place and specification for using the electric heater based on the standard and regulation of each country.
- Supply the electric heater and safety production devices such as a relay and a thermostat, etc of which qualities satisfy the standard 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.

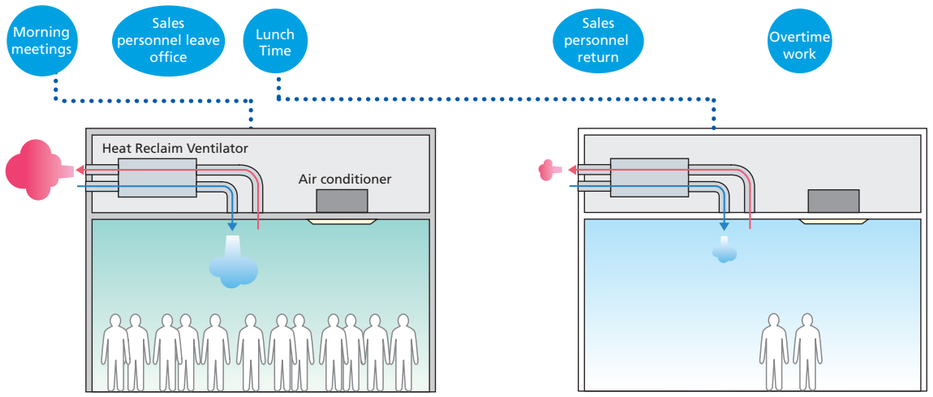
Air Treatment Equipment

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

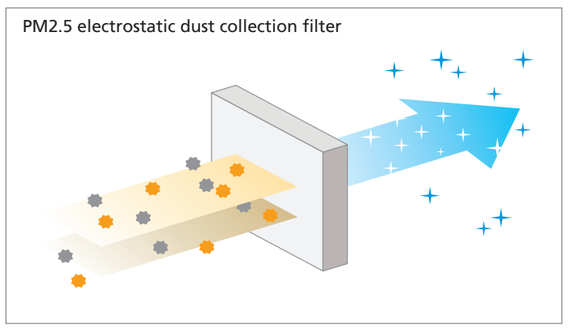
Rapid urbanization has increased industrial and automobile emissions, resulting in higher PM2.5 levels. This has become the source of respiratory diseases and poses a serious threat to a long term health issue. As the air quality has worsened, research has shown the harmful effects of PM2.5 on the health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



PM2.5
Removal Rate
99%

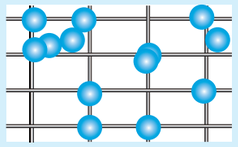
*Test results by the Heating, Ventilation and Air Conditioning Lab at Tongji University
Test environment: temperature 25-26°CDB, humidity 58-60%RH

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

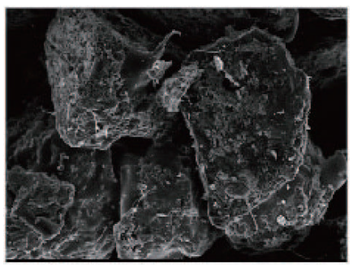
PM2.5 with activated carbon filtration unit (Option) for VAM / VKM series

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.

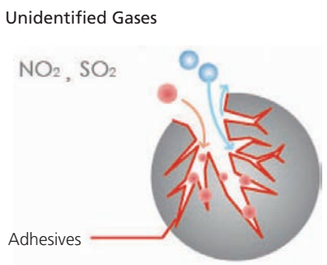
Note: Surface area of active carbon: 700 m^2/g
Given a newspaper page of 40.6 cm wide by 54.6 cm long, each gram of active carbon has a surface area of 3,000 newspaper pages.



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 x W x 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

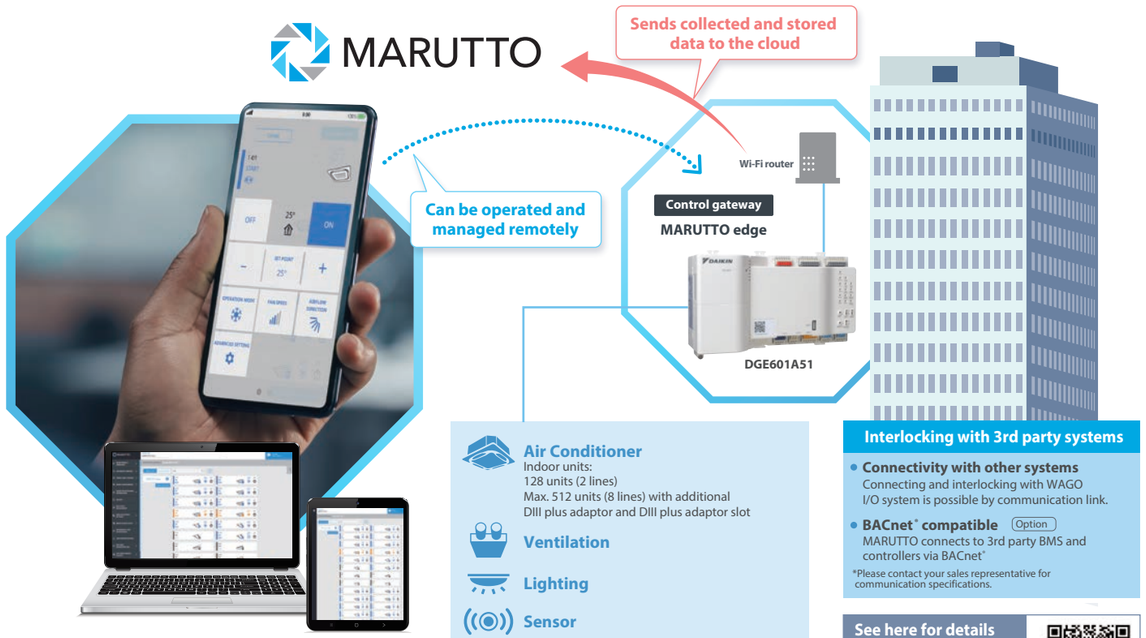
MODEL			BAF249A150C	BAF249A300C	BAF249A350C	BAF249A500C	BAF429A20AC
Dimensions (H x W x D)		mm	220×603×366	220×603×366	300×623×366	300×623×366	470×971×370
Connection Duct Diameter		mm	ϕ100	ϕ150	ϕ150	ϕ200	580×348
Airflow Rate		m^3/h	150	250	350	500	2,100
Total Initial Pressure Drop for PM2.5 with Activated 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 System

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.



Easily controlled from any device[*1]

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®

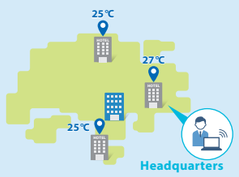
*Please contact your sales representative for communication specifications.

See here for details

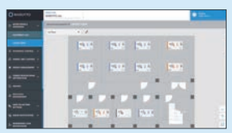
Video Overview of MARUTTO Services

Remote monitoring and control

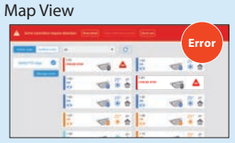
- Multi-Device Support
- Multi-Site Management



- Layout View



- Map View

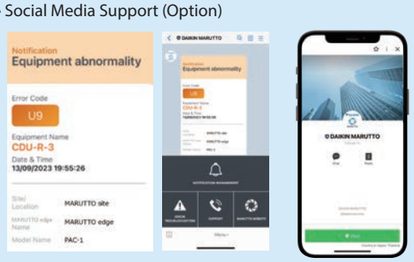


Centralized control

- 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)

Optimised energy usage

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

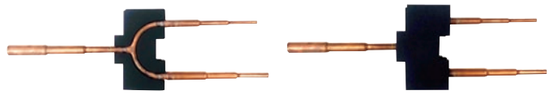
Option List

Item	Type	RXQ8-26B	RXQ28-52B	RXQ54-78B
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		
Outdoor unit multi connection piping kit		—	BHFP22R135	BHFP22R168

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

Item	Type	RXQ8-78B
DIII-NET expand adaptor + Wire harness adaptor kit		DTA109A51 + BER11A
External control adaptor		DTA104A62
Home Automation Interface Adaptor + Wire harness adaptor kit		DTA116A51 + BER11B

Outdoor Unit Specifications

Specifications

EER (TCVN13256: 2021)

According to TCVN13256: 2021 issued by the Ministry of Science and Technology of Vietnam, EER (Energy Efficiency Ratio) is the index to describe the energy saving levels of ***VRV*** system. EER (TCVN13256: 2021) is calculated according to the following formula:

$$EER\ (TCVN13256{:}\ 2021) = 0.01 \times \frac{\phi 100\%}{P_{100\%}} + 0.42 \times \frac{\phi 75\%}{P_{75\%}} + 0.45 \times \frac{\phi 50\%}{P_{50\%}} + 0.12 \times \frac{\phi 25\%}{P_{25\%}}$$

$\phi n\%$: Cooling capacity at n% heat load (kW)
$Pn\%$: Input power at n% heat load (kW)

Model			RXQ8B	RXQ10B	RXQ12B	RXQ14B	RXQ16B	RXQ18B	RXQ20B
Combination units			—	—	—	—	—	—	—
			—	—	—	—	—	—	—
Power supply			YM, YMG : 3-phase 4-wire system, 380-415 V/380 V, 50/60 Hz Y14, Y1S : 3-phase 4-wire system, 380-415 V, 50 Hz TL : 3-phase 3-wire system, 220 V, 60 Hz						
Cooling capacity		Btu/h	76,400	95,500	114,000	136,000	154,000	171,000	191,000
		kW	22.4	28.0	33.5	40.0	45.0	50.0	56.0
Power consumption		kW	5.00	6.41	8.38	9.88	12.6	13.8	15.9
Capacity control		%	11 – 100	13 – 100	12 – 100	11 – 100	9 – 100	8 – 100	10 – 100
Performance	General	EER (Outdoor)	4.48	4.37	4.00	4.05	3.57	3.62	3.52
	Vietnam	EER (TCVN13256: 2021)	5.50	5.41	5.11	5.29	4.94	4.97	4.80
	Singapore	IEER (System)	5.63	5.57	5.30	5.47	4.91	4.97	4.83
	Thailand	SEER (System)	21.57	21.65	—	—	—	—	—
Casing colour			Ivory white (5Y7.5/1)						
Compressor	Type		Hermetically sealed scroll type						
	Motor output	kW	3.2	3.8	4.6	5.4	6.9	7.9	8.3
Airflow rate		m^3/min	158	174	185	237	266	258	306
Dimensions (H x W x D)		mm	1,660 x 930 x 765			1,660 x 1,240 x 765			
Machine weight		kg	206	210		247	270	285	293
Sound level		dB(A)	56	57	59	61	63		65
Operation range		°CDB	10 to 52						
Refrigerant	Type		R-410A						
	Charge	kg	7.2	7.4	7.5	9.6	10.0	11.6	11.7
Piping connections	Liquid	mm	ϕ 9.5 (Brazing)			ϕ 12.7 (Brazing)		ϕ 15.9 (Brazing)	
	Gas	mm	ϕ 19.1 (Brazing)	ϕ 22.2 (Brazing)	ϕ 28.6 (Brazing)				

Model			RXQ22B	RXQ24B	RXQ26B	RXQ28B	RXQ30B	RXQ32B
Combination units			—	—	—	RXQ12B	RXQ12B	RXQ12B
			—	—	—	RXQ16B	RXQ18B	RXQ20B
Power supply			YM, YMG : 3-phase 4-wire system, 380-415 V/380 V, 50/60 Hz Y14, Y1S : 3-phase 4-wire system, 380-415 V, 50 Hz TL : 3-phase 3-wire system, 220 V, 60 Hz					
Cooling capacity		Btu/h	210,000	229,000	249,000	268,000	285,000	305,000
		kW	61.5	67.0	73.0	78.5	83.5	89.5
Power consumption		kW	17.9	20.2	23.5	21.0	22.2	24.3
Capacity control		%	8 – 100			5 – 100		
Performance	General	EER (Outdoor)	3.44	3.32	3.11	3.74	3.76	3.68
	Vietnam	EER (TCVN13256: 2021)	4.84	4.75	4.57	—	—	—
	Singapore	IEER (System)	4.78	4.70	4.36	—	—	—
	Thailand	SEER (System)	—	—	—	—	—	—
Casing colour			Ivory white (5Y7.5/1)					
Compressor	Type		Hermetically sealed scroll type					
	Motor output	kW	8.9	9.8	11.1	4.6 + 6.9	4.6 + 7.9	4.6 + 8.3
Airflow rate		m^3/min	375	390	411	185 + 266	185 + 258	185 + 306
Dimensions (H x W x D)		mm	1,660 x 1,750 x 765			(1,660 x 930 x 765) + (1,660 x 1,240 x 765)		
Machine weight		kg	354			210 + 270	210 + 285	210 + 293
Sound level		dB(A)	67	68		65		66
Operation range		°CDB	10 to 52					
Refrigerant	Type		R-410A					
	Charge	kg	11.7			7.5 + 10.0	7.5 + 11.6	7.5 + 11.7
Piping connections	Liquid	mm	ϕ 15.9 (Brazing)		ϕ 19.1 (Brazing)			
	Gas	mm	ϕ 28.6 (Brazing)	ϕ 34.9 (Brazing)				

Model			RXQ34B	RXQ36B	RXQ38B	RXQ40B	RXQ42B	RXQ44B	RXQ46B
Combination units			RXQ16B	RXQ18B	RXQ18B	RXQ20B	RXQ18B	RXQ18B	RXQ20B
			RXQ18B	RXQ18B	RXQ20B	RXQ20B	RXQ24B	RXQ26B	RXQ26B
			—	—	—	—	—	—	—
Power supply			YM, YMG : 3-phase 4-wire system, 380-415 V/380 V, 50/60 Hz Y14, Y1S : 3-phase 4-wire system, 380-415 V, 50 Hz TL : 3-phase 3-wire system, 220 V, 60 Hz						
Cooling capacity		Btu/h	324,000	341,000	362,000	382,000	399,000	420,000	440,000
		kW	95.0	100	106	112	117	123	129
Power consumption		kW	26.4	27.6	29.7	31.8	34.0	37.3	39.4
Capacity control		%	4 – 100			5 – 100	4 – 100		
Performance	General	EER (Outdoor)	3.60	3.62	3.57	3.52	3.44	3.30	3.27
	Vietnam	EER (TCVN13256: 2021)	—	—	—	—	—	—	—
	Singapore	IEER (System)	—	—	—	—	—	—	—
	Thailand	SEER (System)	—	—	—	—	—	—	—
Casing colour			Ivory white (5Y7.5/1)						
Compressor	Type		Hermetically sealed scroll type						
	Motor output	kW	6.9 + 7.9	7.9 + 7.9	7.9 + 8.3	8.3 + 8.3	7.9 + 9.8	7.9 + 11.1	8.3 + 11.1
Airflow rate		m^3/min	266 + 258	258 + 258	258 + 306	306 + 306	258 + 390	258 + 411	306 + 411
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 1,750 x 765)		
Machine weight		kg	270 + 285	285 + 285	285 + 293	293 + 293	285 + 354	285 + 354	293 + 354
Sound level		dB(A)	67		68	69	70		
Operation range		°CDB	10 to 52						
Refrigerant	Type		R-410A						
	Charge	kg	10.0 + 11.6	11.6 + 11.6	11.6 + 11.7	11.7 + 11.7	11.6 + 11.7		11.7 + 11.7
Piping connections	Liquid	mm	ϕ 19.1 (Brazing)						
	Gas	mm	ϕ 34.9 (Brazing)	ϕ 41.3 (Brazing)					

Model			RXQ48B	RXQ50B	RXQ52B	RXQ54B	RXQ56B	RXQ58B	RXQ60B
Combination units			RXQ22B	RXQ24B	RXQ26B	RXQ18B	RXQ18B	RXQ18B	RXQ20B
			RXQ26B	RXQ26B	RXQ26B	RXQ18B	RXQ18B	RXQ20B	RXQ20B
			—	—	—	RXQ18B	RXQ20B	RXQ20B	RXQ20B
Power supply			YM, YMG : 3-phase 4-wire system, 380-415 V/380 V, 50/60 Hz Y14, Y1S : 3-phase 4-wire system, 380-415 V, 50 Hz TL : 3-phase 3-wire system, 220 V, 60 Hz						
Cooling capacity		Btu/h	457,000	478,000	498,000	512,000	532,000	553,000	573,000
		kW	134	140	146	150	156	162	168
Power consumption		kW	41.4	43.7	47.0	41.4	43.5	45.6	47.7
Capacity control		%	4 – 100			3 – 100			
Performance	General	EER (Outdoor)	3.24	3.20	3.11	3.62	3.59	3.55	3.52
	Vietnam	EER (TCVN13256: 2021)	—	—	—	—	—	—	—
	Singapore	IEER (System)	—	—	—	—	—	—	—
	Thailand	SEER (System)	—	—	—	—	—	—	—
Casing colour			Ivory white (5Y7.5/1)						
Compressor	Type		Hermetically sealed scroll type						
	Motor output	kW	8.9 + 11.1	9.8 + 11.1	11.1 + 11.1	7.9 + 7.9 + 7.9	7.9 + 7.9 + 8.3	7.9 + 8.3 + 8.3	8.3 + 8.3 + 8.3
Airflow rate		m^3/min	375 + 411	390 + 411	411 + 411	258 + 258 + 258	258 + 258 + 306	258 + 306 + 306	306 + 306 + 306
Dimensions (H x W x D)		mm	(1,660 x 1,750 x 765) + (1,660 x 1,750 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	354 + 354	354 + 354	354 + 354	285 + 285 + 285	285 + 285 + 293	285 + 293 + 293	293 + 293 + 293
Sound level		dB(A)	71	72		68	69	70	
Operation range		°CDB	10 to 52						
Refrigerant	Type		R-410A						
	Charge	kg	11.7 + 11.7			11.6 + 11.6 + 11.6	11.6 + 11.6 + 11.7	11.6 + 11.7 + 11.7	11.7 + 11.7 + 11.7
Piping connections	Liquid	mm	ϕ 19.1 (Brazing)						
	Gas	mm	ϕ 41.3 (Brazing)						

Notes: Specifications are based on the following conditions;
- Indoor temp.: 27° CDB , 19° CWB / Outdoor temp.: 35° CDB / Equivalent piping length: 7.5m , 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 the surrounding area such as residences, we recommend investigating the installation location and taking soundproofing measures.

Outdoor Unit Specifications

Specifications

EER (TCVN13256: 2021)

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$$EER\ (TCVN13256{:}\ 2021) = 0.01 \times \frac{\phi 100\%}{P_{100\%}} + 0.42 \times \frac{\phi 75\%}{P_{75\%}} + 0.45 \times \frac{\phi 50\%}{P_{50\%}} + 0.12 \times \frac{\phi 25\%}{P_{25\%}}$$

$\phi n\%$: Cooling capacity at n% heat load (kW)
$Pn\%$: Input power at n% heat load (kW)




Model			RXQ62B	RXQ64B	RXQ66B	RXQ68B		RXQ70B	RXQ72B	RXQ74B	RXQ76B	RXQ78B
Combination units			RXQ20B	RXQ20B	RXQ20B	RXQ20B		RXQ20B	RXQ20B	RXQ22B	RXQ24B	RXQ26B
			RXQ20B	RXQ20B	RXQ20B	RXQ22B		RXQ24B	RXQ26B	RXQ26B	RXQ26B	RXQ26B
			RXQ22B	RXQ24B	RXQ26B	RXQ26B		RXQ26B	RXQ26B	RXQ26B	RXQ26B	RXQ26B
Power supply			YM, YMG : 3-phase 4-wire system, 380-415 V/380 V, 50/60 Hz Y14, Y1S : 3-phase 4-wire system, 380-415 V, 50 Hz TL : 3-phase 3-wire system, 220 V, 60 Hz					YM, YMG : 3-phase 4-wire system, 380-415 V/380 V, 50/60 Hz Y14, Y1S : 3-phase 4-wire system, 380-415 V, 50 Hz TL : 3-phase 3-wire system, 220 V, 60 Hz				
Cooling capacity		Btu/h	590,000	611,000	631,000	648,000		669,000	689,000	706,000	727,000	747,000
		kW	173	179	185	190		196	202	207	213	219
Power consumption		kW	49.7	52.0	55.3	57.3		59.6	62.9	64.9	67.2	70.5
Performance	General	EER (Outdoor)	3.48	3.44	3.35	3.32		3.29	3.21	3.19	3.17	3.11
	Vietnam	EER (TCVN13256: 2021)	—	—	—	—		—	—	—	—	—
	Singapore	IEER (System)	—	—	—	—		—	—	—	—	—
	Thailand	SEER (System)	—	—	—	—		—	—	—	—	—
Casing colour			Ivory white (5Y7.5/1)					Ivory white (5Y7.5/1)				
Compressor	Type		Hermetically sealed scroll type					Hermetically sealed scroll type				
	Motor output	kW	8.3 + 8.3 + 8.9	8.3 + 8.3 + 9.8	8.3 + 8.3 + 11.1	8.3 + 8.9 + 11.1		8.3 + 9.8 + 11.1	8.3 + 11.1 + 11.1	8.9 + 11.1 + 11.1	9.8 + 11.1 + 11.1	11.1 + 11.1 + 11.1
Airflow rate		m^3/min	306 + 306 + 375	306 + 306 + 390	306 + 306 + 411	306 + 375 + 411		306 + 390 + 411	306 + 411 + 411	375 + 411 + 411	390 + 411 + 411	411 + 411 + 411
Dimensions (H x W x D)		mm	(1,660 × 1,240 × 765) + (1,660 × 1,240 × 765) + (1,660 × 1,750 × 765)			(1,660 × 1,240 × 765) + (1,660 × 1,750 × 765) + (1,660 × 1,750 × 765)		(1,660 × 1,240 × 765) + (1,660 × 1,750 × 765) + (1,660 × 1,750 × 765)		(1,660 × 1,750 × 765) + (1,660 × 1,750 × 765) + (1,660 × 1,750 × 765)		
Machine weight		kg	293 + 293 + 354			293 + 354 + 354		293 + 354 + 354		354 + 354 + 354		
Sound level		dB(A)	71	72				72		73		
Operation range		°CDB	10 to 52					10 to 52				
Refrigerant	Type		R-410A					R-410A				
	Charge	kg	11.7 + 11.7 + 11.7					11.7 + 11.7 + 11.7				
Piping connections	Liquid	mm	ϕ 19.1 (Brazing)					ϕ 19.1 (Brazing)		ϕ 22.2 (Brazing)		
	Gas	mm	ϕ 41.3 (Brazing)					ϕ 41.3 (Brazing)				

Notes: Specifications are based on the following conditions;
- Indoor temp.: 27° CDB , 19° CWB / Outdoor temp.: 35° CDB / Equivalent piping length: 7.5m , 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 the surrounding area such as residences, we recommend investigating the installation location and taking soundproofing measures.