DAIKIN

Perfecting the Air
Kenyamanan Tanpa Batas

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.
- This product is specialized cooling for people only. It is not recommended for certain application with special requirement such as production room, surgery room, server room, food storage, laboratories, artwork installation and other rooms with special requirement.
- If used for special rooms that require high precision of temperature and humidity, dedicated AC system must be used. It is not recommended to use other AC system since the temperature & humidity precision may not be guaranteed.
- To reach optimum function, this product must operate and function in accordance with the specification listed and specified in the manual & engineering book. The product may operate at a capacity other than the specified operating instructions, however a precise temperature and humidity may not be achieved.

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

AUTHORIZED DEALER

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.

VRV is a trademark of Daikin Industries, Ltd.
VRV Air Conditioning System is the world's first individual air conditioning system with variable refrigerant flow control and was commercialised by Daikin in 1982.
VRV is the trademark of Daikin Industries, Ltd., which is derived from the technology we call "variable refrigerant volume."

Spesifications, designs and other content appearing in this brochure are current as of March 2026 but subject to change without notice.

0800 1 081 081
DAIKIN CONTACT CENTER

Jam Beroperasi:
Senin - Jumat: 07:00 - 19:00 WIB
Sabtu - Minggu & Libur Nasional: 07:00 - 17:00 WIB

PT DAIKIN AIRCONDITIONING INDONESIA
Menara Astra 7th & 8th Floor, Jl. Jenderal Sudirman Kav. 5-6,
Kel. Karet Tengsin, Kec.Tanah Abang, Jakarta Pusat, DKI Jakarta - 10220
Telp : +6221 8665 6886 I Website : www.daikin.co.id

• **SERVICE CENTER : Jakarta Selatan**, Telp. : 021-2782 5545 I **Samarinda**, Telp. : 0541-252 2889 • **WORKSHOP: Cirebon**, Telp. : 0231-8817 512 I **Banjarmasin**, Tlp. : 0511-3258 969 I **Aceh**, Tlp. : 0651-7318 036 I **Lombok**, Tlp. : 0370-7843 231 I **Jambi**, Tlp. : 0741-3066 790 I **Padang**, Tlp. : 0751-896 2684 • **TRAINING CENTER : Sunter**, Telp. : 021-650 5030 • **BRANCH : Bekasi**, Telp. :021-2945 0585 I **Tangerang**, Telp. : 021-5314 1195 I **Bandung**, Telp. : 022-522 5150 I **Semarang**, Telp. : 024-7660 3221 I **Yogyakarta**, Telp. : 0274-551 321 I **Surabaya**, Telp. : 031-2971 2098 I **Denpasar**, Telp. : 0361-900 5514 I **Makassar**, Telp. : 0411-805 2691 I **Palembang**, Telp. : 0711-573 2282 I **Pekanbaru**, Telp. : 0761-561 139 I **Medan**, Telp. : 061-4200 8866 I **Manado**, Telp. : 0431-719 1199 I **Batam,** Tlp. : 0778-4171 445

TÜVRheinland CERTIFIED
Management System ISO 9001:2015
www.tuv.com ID 9105084313

AMTIVO ISO 27001 Information Security Management
UKAS MANAGEMENT SYSTEMS 8289

DAIKIN

DIDVA2408



VRV A

Cooling Only 50 Hz
R-410A

Exceeding Boundaries with Innovative Energy Savings



VRV A

Promotion movie

VRV+VRT+VAV

*First launched in Japan in 1982, the Daikin **VRV** system has been embraced by world markets for over 35 years. Now, Daikin proudly introduces the new **VRV** A series. By combining the technologies of **VRV**, VRT and VAV, we have attained both energy savings and comfortable air conditioning.*

Energy savings

Uniting ***VRV***, VRT and VAV technologies

Automatic refrigerant charge function

- Optimised operation efficiency
- Higher installation quality
- Easier installation

High reliability

- New inverter PC board
- Double backup operation
- Refrigerant cooling for PC board

* ***VRV*** is a trademark of Daikin Industries, Ltd.

VRV A

Saves Space and Delivers Excellent Performance

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



Single Outdoor units
RXQ6-20AY14(W)

Double Outdoor units
RXQ18-40AMY14(W)

Triple Outdoor units
RXQ42-60AMY14(W)

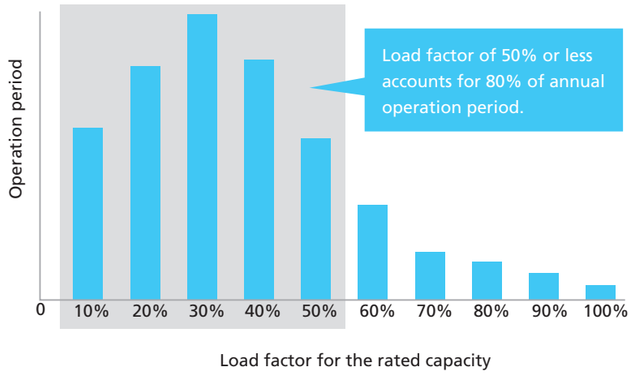
*(W): Heavy anti-corrosion model

Greater energy savings during low-load operation

Daikin's ***VRV*** A series raised the standard of energy efficiency.

The key to innovative energy savings

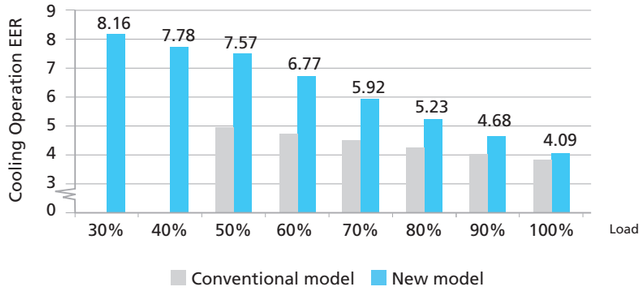
Increased efficiency during low-load operation.



* Data source
- Number of properties connected to the Air Conditioning Network Service System: 42 projects
- Number of outdoor unit systems: 535 systems
- Data collection period: 8:00-18:00, weekdays (excluding public holidays), from July 2015 to June 2016 in office buildings in Singapore.

Higher Energy Efficiency Ratio (EER) for 10 HP

Annual power consumption 14% Lower



* Simulation conditions:
- Location: Bangkok, Thailand
- System: Outdoor unit (10 HP) x 1
  Indoor unit (2 HP, Round Flow with Sensing type) x 5
- Operation time: 8:00-20:00 5 days/week
- Outdoor units: New model: RXQ10A (***VRV*** A series)
  Conventional model: RXQ10T (***VRV*** IV)

* Cooling operation conditions:
- Indoor temperature of 27°CDB, 19°CWB, and outdoor temperature of 35°CDB.

Advanced Technologies

Advanced technologies for greater energy savings

By uniting advanced software and hardware technologies for greater energy savings during actual operation and combining the technologies of ***VRV***, VRT and VAV, we have attained both energy savings and comfortable air conditioning.

Software technology VRT Smart Control

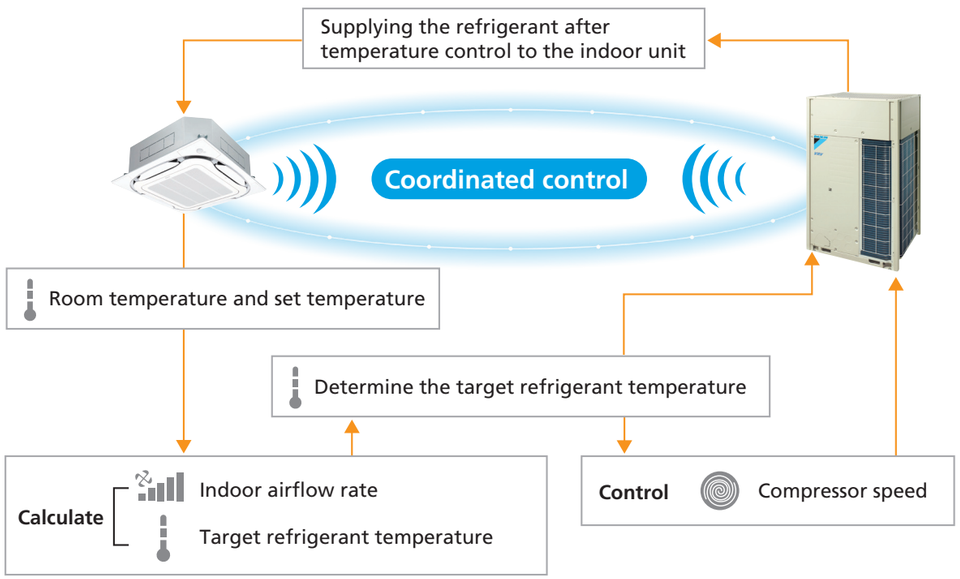
Variable Refrigerant Temperature

Fully Automatic Energy-saving Refrigerant Control

VRT Smart Control Function movie

Optimally supply only for the needed capacity of indoor units

- Reduces compressor load and minimizes operation loss so it is energy saving
- Controls capacity according to load to ensure a constant room temperature for greater comfort.



* For the classification of indoor units (VRT smart control and VRT control), refer to the indoor unit lineup.

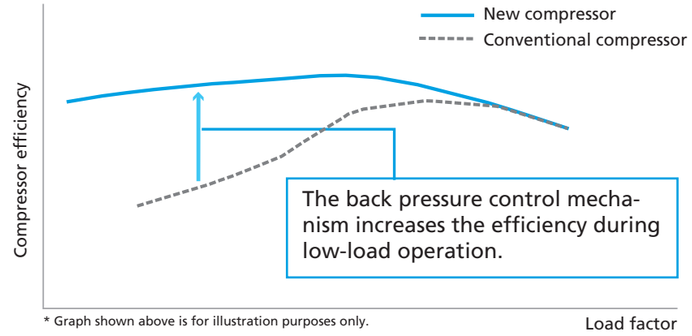
VRV+VRT+VAV

Hardware technology New Scroll Compressor

New Scroll Compressor movie

Refrigerant leakage is minimized during low-load operation

- Refrigerant leakage is minimized by a back pressure control mechanism that increases the efficiency during low-load operation.



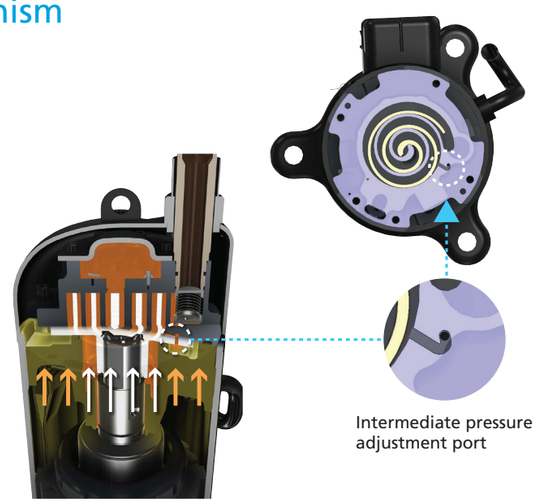
* Graph shown above is for illustration purposes only.

Back pressure control mechanism

New intermediate pressure mechanism

The pressure on the orbiting scroll is optimised according to operating conditions. As a result, the orbiting scroll has been stabilised to increase efficiency during low-load operation.

* The new mechanism is used in RXQ10,12,14 and 20A models.



Advanced Technologies

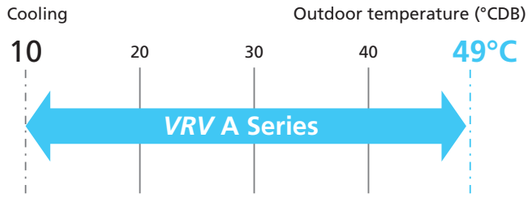
Advanced oil temperature control

Standby power needed for preheating refrigerator oil was **reduced up to 82.7%** to save energy when the air conditioner is stopped.

82.7%
Reduction

* Operation calculation conditions: ***VRV*** A series 14 HP
Location: Singapore
Operation time: 08:00–18:00 on weekdays

Extended operation range up to 49°C

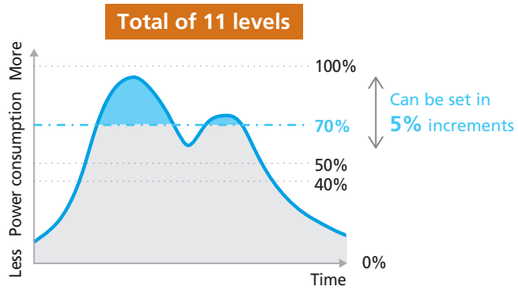


Note: When outdoor temperature falls below 10°C, the thermostat shuts OFF, the outdoor unit stops, and operation switches from cooling to fan operation.

I-demand function

Peak power limit can be accomplished according to each user situation.

* Set on the PCB of the outdoor unit.



* When set to 70% demand

High external static pressure

VRV A series outdoor unit has been achieved high external static pressure up to **78.4 Pa**.

Active Filter Unit (Option)

Daikin's Active Filter unit can drastically reduce harmonics, preventing damages from harmonics and extending equipment lifespan.

BACF22E5



Front view　　Side view

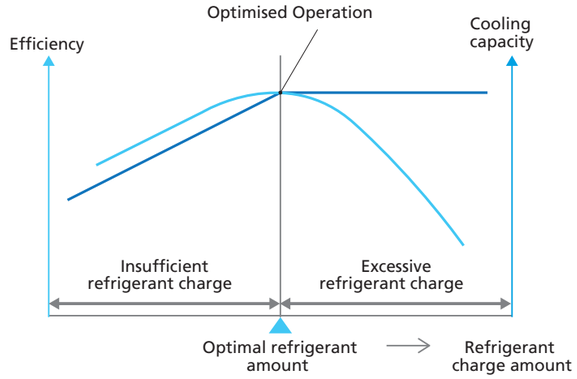
Automatic refrigerant charge function

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.

Automatic Refrigerant Charge Function movie



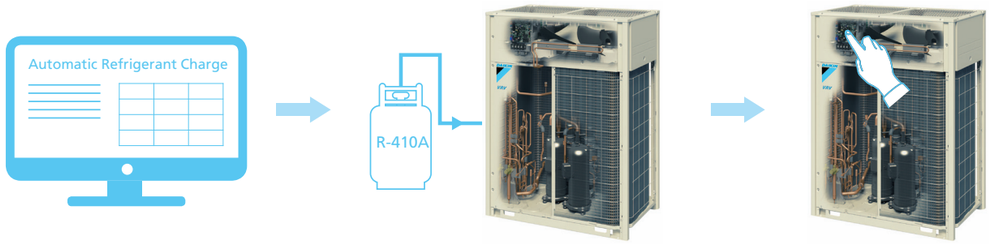
Higher quality and easier installation

The automatic refrigerant charge function automates the charging of the proper refrigerant amount and the closing of shut-off valves by simply pressing a switch after pre-charging.

1 Calculation of necessary refrigerant amount from design drawing

2 Pre-charge of refrigerant

3 Start of automatic refrigerant charge operation



- Automatic completion by proper refrigerant amount
- Monitoring refrigerant charging is unnecessary
- No recalculation of charge amounts due to minor design changes locally

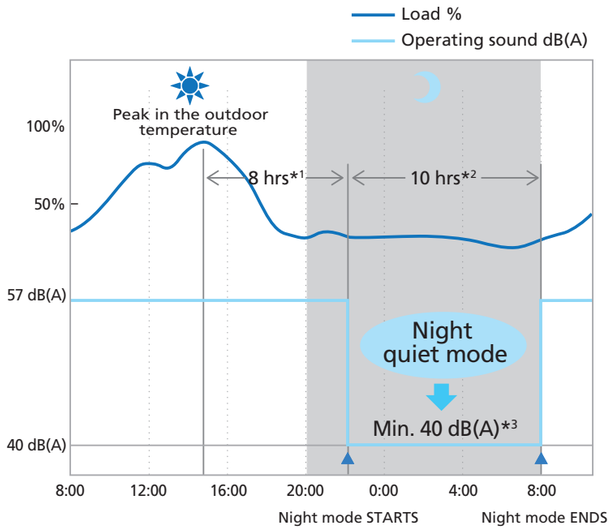
* There are conditions in the range of ambient temperature in which the automatic refrigerant charge can be used. Refer to the installation manual for details.
* The refrigerant amount that can be automatically charged may differ from the additional refrigerant amount that is provided from calculations, but there are no problems in performance and quality.

Comfort & Reliability

Comfort

Nighttime quiet operation function

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

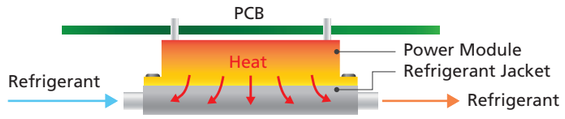


*1. Initial setting is 8 hours. Can be selected from 6, 8 and 10 hours.
*2. Initial setting is 9 hours. Can be selected from 8, 9 and 10 hours.
*3. In case of 10 HP outdoor unit.

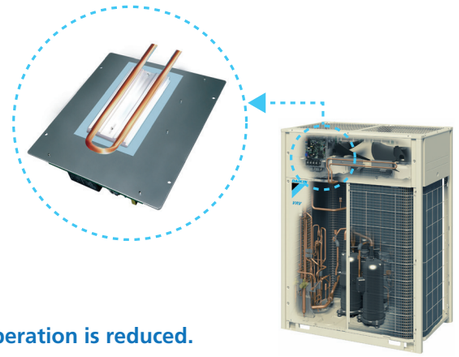
Notes: • This function is available in setting at site.
• The operating sound in quiet operation mode is the actual value measured by our company.
• The relationship of outdoor temperature (load) and time shown above is just an example.

Reliable and stable technology

High reliability at high ambient temperature



Using refrigerant to cool the inverter power module helps minimise the size of the electronic components, and this results in reduction of airflow resistance and high efficiency of the heat exchanger.



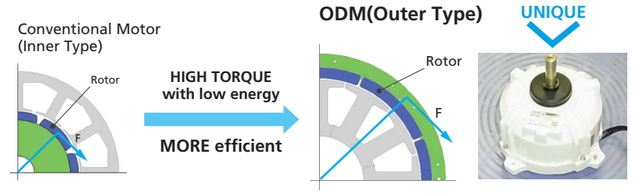
Control board failure ratio at stable operation is reduced.

This enables

- Suitability for high ambient temperatures
- Miniaturization of electronic components

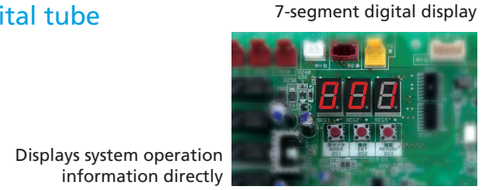
Outer rotor DC motor (ODM)

Only Daikin has adapted an ODM with the feature of stable rotation and volumetric efficiency.



Function of information display by luminous digital tube

VRV A series utilises a bright 7-segment digital display to convey operational status and facilitate simple installation and after-sales service.

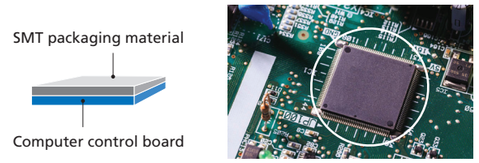


SMT* packaging technology

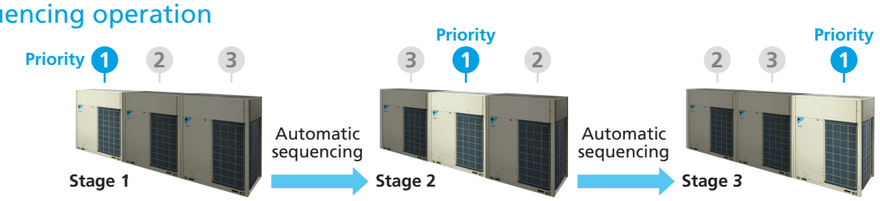
- Improves the anti-clutter performance.
- Protects your computer boards from the adverse effects of sandy climates and humid weather.

* SMT: Surface mounted technology

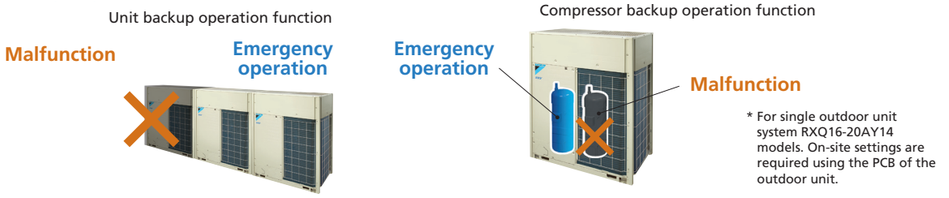
Computer control board surface adopting SMT packaging technology



Automatic sequencing operation



Double backup operation functions

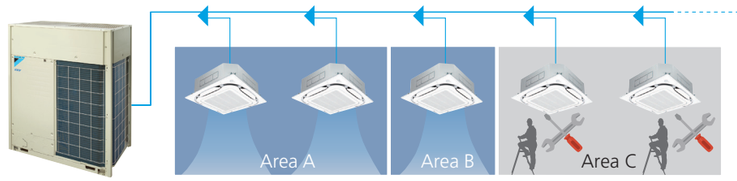


* For single outdoor unit system RXQ16-20AY14 models. On-site settings are required using the PCB of the outdoor unit.

Ease of maintenance

Can provide maintenance feature* without shutting down the whole ***VRV*** system.

* Field setting is required.

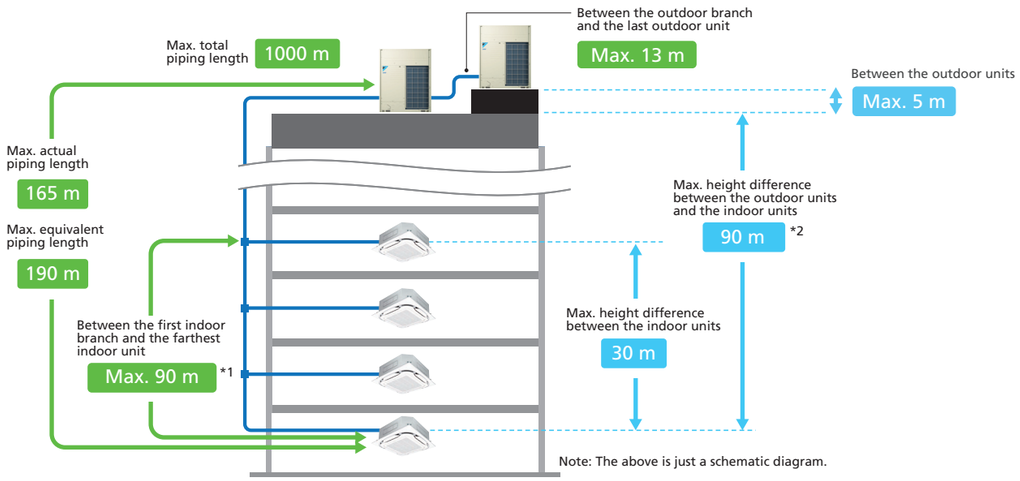


Flexible System Design

More options for installation location

Long piping length

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



Maximum allowable piping length	Actual piping length (Equivalent)	165 m (190 m)
	Total piping length	1000 m
	Between the first indoor branch and the farthest indoor unit	90 m*1
	Between the outdoor branch and the last outdoor unit (Equivalent)	10 m (13 m)
Maximum allowable height difference	Between the outdoor units (Multiple use)	5 m
	Between the indoor units	30 m
	Between the outdoor units and the indoor units	90 m*2

*1. No special requirements up to 40 m. The maximum actual piping length can be 90 m, depending on conditions. The ***VRV*** A series is easy to extend to 90 m by lessening the conditions from conventional ***VRV*** IV models. Be sure to refer to the Engineering Data Book for details of these conditions and requirements.
*2. When height differences are 50 m or more, the diameter of the main liquid piping size must be increased. If the outdoor unit is above the indoor unit, a dedicated setting on the outdoor unit is required. Refer to the Engineering Data Book and contact your local dealer for more information.

Connection ratio

Connection capacity at maximum is 200%.

Connection ratio
50%–200%

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

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

Applicable ***VRV*** indoor units	 FXSQ	 FXDBQ	 FXAQ		Other ***VRV*** indoor unit models*1
	 FXD(S)Q	 FXMQ-PA	 FXB(P)Q		
Single outdoor units	200%				200%
Double outdoor units					160%
Triple outdoor units					130%

*1 For the FXF(S)(T)(R)Q25 and FXVQ models, maximum connection ratio is 130% for the entire range of outdoor units.
Note: If the operational capacity of indoor units is more than 130%, low airflow operation is enforced in all the indoor units.

Anti-corrosion Technology

Heavy anti-corrosion model

VRV A MAX

RXQ6-20AY14W
RXQ18-60AMY14W

Built for **Seaside**



Maximize anti-corrosion and performance

Outer casing

Multi coating for extreme durability

The hot-dip Zinc-Aluminum-Magnesium alloy coated sheet is optimised for even greater durability with an additional four-layer coating combination.



4-layer coating

- Top clear special coating
- Top coat metallic special coating
- Powder middle coating
- Primer base coating
- Hot-dip zinc-aluminum-magnesium alloy coated steel sheet

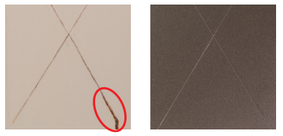
Anti-corrosion verification by accelerated test

Although the previous anti-corrosion model is rusted, the ***VRV*** A MAX outer casing shows no signs of corrosion in either test.

* The cross cut was made in order to simulate a severe case of coating damage and corrosion (not from regular usage).

Salt Spray Test

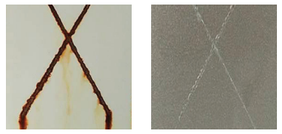
Previous model | VRV A MAX



✕: Corrosion ✔: No corrosion

CASS Test

Previous model | VRV A MAX



✕: Corrosion ✔: No corrosion

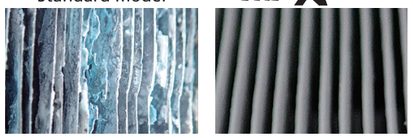
Heat exchanger (Fin)

Anti-corrosion technology

The aluminum fins on ***VRV*** A MAX are manufactured with thicker anti-corrosion layer including an additional two-layer coating.

CASS Test

Standard model | VRV A MAX



✕: Corrosion ✔: No corrosion

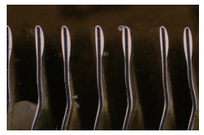


- Corrosion resistance coating*
- Primer base coating*
- High corrosion resistance aluminium fin
- Aluminium fin

* outside area only

High performance technology

New aluminum fins are 21% thicker to maintain performance.



Achieves both anti-corrosion and high efficiency

Automated fin coating line

To prevent differences in coating thickness caused by manual application, the additional fin coatings are performed on the latest automated assembly line, maintaining high precision and quality.

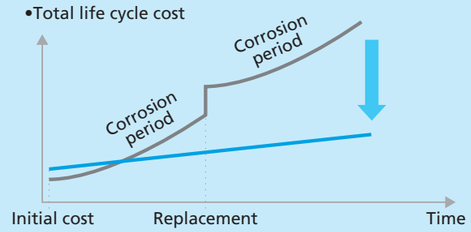
Maximize lifespan

A third party tested the corrosion resistance (ISO 9227: salt spray tests) of the reinforced fins and casing for ISO 12944: 2018 Category C5 and confirmed them to be at very high (VH) levels.

ISO 12944-6:2018	: Paints and varnishes – Corrosion protection of steel structures by protective paint systems
Category C5	: Industrial areas with high humidity and aggressive atmosphere and coastal areas with high salinity
Level VH	: Very high (equivalent to an expected life of 25 years *)
ISO 9227	: Corrosion test in artificial atmospheres-Salt spray tests

* This number of years is not the warranty period of the product. Product life depends on installation location and operating conditions.

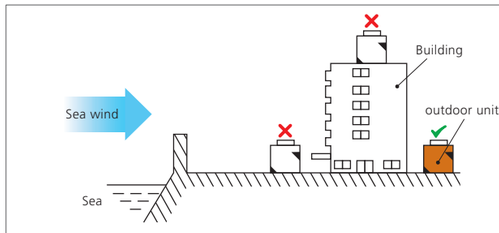
The new model resists corrosion by salt, maintains performance, and greatly reduces life cycle costs.



Built for seaside

VRV A MAX

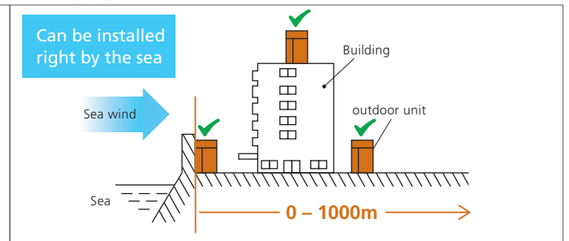
Previous model: Anti-corrosion



Must be installed at least 300 m away from the sea in a location not in direct contact with sea wind.

300 - 1,000 m

VRV A MAX : **Heavy** Anti-corrosion



Must be installed where the unit does not get into contact with seawater.

0 – 1,000 m

Specifications of anti-corrosion model

Item	Parts		Standard model	VRV A MAX
1	Sheet metal casing	Outer casing	Hot dip zinc coated sheet + powder coating	Hot-dip zinc-aluminum-magnesium alloy-coated steel sheet + Primer base coating + Powder middle coating + Top coat metallic special coating (metallic brown) + Top clear special coating
2	Discharge grille • Protection net		Low Density Polyethylene (LDPE) coating	
3	Fasteners		SWCH + zinc-nickel plating	SUS410 + zinc-nickel plating
4	Heat exchanger		Copper tube + Standard aluminum fin	Copper tube + Anti-corrosion aluminum fin
5	Aluminum fin		Aluminum fin + Hydrophilic anti-corrosion	Aluminum fin + High corrosion resistance aluminum fin + Primer base coating (outside area only) + Corrosion resistance coating (outside area only)
6	Heat exchanger end plate		Hot-dip zinc-aluminum-magnesium alloy-coated steel sheet without coating	Hot dip zinc coated sheet + corrosion resistance polyurethane coating
7	Fan motor stand • Electric box • Inner casing sheet metal		Galvanized iron sheet	Hot dip zinc coated sheet + corrosion resistance polyurethane coating
8	Fan • Fan motor		Resin fan + resin casing motor	
9	Pressure vessel (oil separator)		Hot rolled sheet steel + painting	Hot rolled sheet steel + Double rust inhibitor coating with additional touch-up paint
10	Printed circuit board		Both side resin coating	Expanded both side resin coating

Outdoor Unit Lineup

VRV A Series

The outdoor unit capacity is up to 60 HP (168 kW) in increments of 2 HP.

Lineup

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

Outdoor unit combinations

HP	kW	Capacity index	Model name	Combination	Outdoor unit multi connection piping kit*1	Total capacity index of connectable indoor units*2	Maximum number of connectable indoor units*2
6	16.0	150	RXQ6A	RXQ6A	–	75 to 195 (300)	9 (15)
8	22.4	200	RXQ8A	RXQ8A	–	100 to 260 (400)	13 (20)
10	28.0	250	RXQ10A	RXQ10A	–	125 to 325 (500)	16 (25)
12	33.5	300	RXQ12A	RXQ12A	–	150 to 390 (600)	19 (30)
14	40.0	350	RXQ14A	RXQ14A	–	175 to 455 (700)	22 (35)
16	45.0	400	RXQ16A	RXQ16A	–	200 to 520 (800)	26 (40)
18	50.0	450	RXQ18A	RXQ18A	–	225 to 585 (900)	29 (45)
20	56.0	500	RXQ20A	RXQ20A	–	250 to 650 (1,000)	32 (50)
18	50.4	450	RXQ18AM	RXQ8A + RXQ10A	BHFP22P100	225 to 585 (720)	29 (36)
20	55.9	500	RXQ20AM	RXQ8A + RXQ12A		250 to 650 (800)	32 (40)
22	61.5	550	RXQ22AM	RXQ10A + RXQ12A		275 to 715 (880)	35 (44)
24	67.0	600	RXQ24AM	RXQ12A × 2		300 to 780 (960)	39 (48)
26	73.5	650	RXQ26AM	RXQ12A + RXQ14A		325 to 845 (1,040)	42 (52)
28	78.5	700	RXQ28AM	RXQ12A + RXQ16A		350 to 910 (1,120)	45 (56)
30	83.5	750	RXQ30AM	RXQ12A + RXQ18A		375 to 975 (1,200)	48 (60)
32	90.0	800	RXQ32AM	RXQ14A + RXQ18A		400 to 1,040 (1,280)	52 (64)
34	95.0	850	RXQ34AM	RXQ16A + RXQ18A		425 to 1,105 (1,360)	55 (64)
36	100	900	RXQ36AM	RXQ18A × 2		450 to 1,170 (1,440)	58 (64)
38	106	950	RXQ38AM	RXQ18A + RXQ20A		475 to 1,235 (1,520)	61 (64)
40	112	1,000	RXQ40AM	RXQ20A × 2		500 to 1,300 (1,600)	
42	117	1,050	RXQ42AM	RXQ12A × 2 + RXQ18A	BHFP22P151	525 to 1,365 (1,365)	
44	123	1,100	RXQ44AM	RXQ12A × 2 + RXQ20A		550 to 1,430 (1,430)	
46	130	1,150	RXQ46AM	RXQ14A × 2 + RXQ18A		575 to 1,495 (1,495)	
48	135	1,200	RXQ48AM	RXQ14A + RXQ16A + RXQ18A		600 to 1,560 (1,560)	
50	140	1,250	RXQ50AM	RXQ14A + RXQ18A × 2		625 to 1,625 (1,625)	64 (64)
52	145	1,300	RXQ52AM	RXQ16A + RXQ18A × 2		650 to 1,690 (1,690)	
54	150	1,350	RXQ54AM	RXQ18A × 3		675 to 1,755 (1,755)	
56	156	1,400	RXQ56AM	RXQ18A × 2 + RXQ20A		700 to 1,820 (1,820)	
58	162	1,450	RXQ58AM	RXQ18A + RXQ20A × 2		725 to 1,885 (1,885)	
60	168	1,500	RXQ60AM	RXQ20A × 3		750 to 1,950 (1,950)	

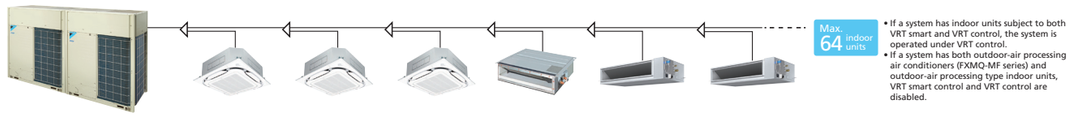
Notes: *1. For multiple connection, the outdoor unit multi connection piping kit (separately sold) is required.
*2. Values inside brackets are based on connection of indoor units rated at maximum capacity, 200% for single outdoor units, 160% for double outdoor units, and 130% for triple outdoor units. Refer to page 40 for notes on connection capacity of indoor units.

Indoor Unit Lineup

Enhanced range of choices

● New lineup　VRT smart Indoor units subject to VRT smart control　VRT Indoor units subject to VRT control

Category	Type	Model Name		Capacity Range	20 (0.8 HP)	25 (1 HP)	32 (1.25 HP)	40 (1.6 HP)	50 (2 HP)	63 (2.5 HP)	80 (3.2 HP)	100 (4 HP)	125 (5 HP)	140 (6 HP)	200 (8 HP)	250 (10 HP)	400 (16 HP)	500 (20 HP)
				Capacity Index	20	25	31.25	40	50	62.5	80	100	125	140	200	250	400	500
Ceiling Mounted Cassette	Round Flow Cassette with Sensing and Streamer	New **FXFTQ-AV4**	VRT smart			●	●	●	●	●	●	●	●	●				
	Round Flow Cassette with Streamer	New **FXFRQ-AV4**	VRT smart			●	●	●	●	●	●	●	●	●				
	Round Flow Cassette with Sensing	FXFSQ-AV4	VRT smart			○	○	○	○	○	○	○	○	○				
	Round Flow Cassette	FXFQ-AV4	VRT smart			○	○	○	○	○	○	○	○	○				
	Compact Multi Flow Cassette	New **FXZQ-BVM4**	VRT smart		●	●	●	●	●									
	Double Flow Cassette	New **FXCQ-BVM4**	VRT smart		●	●	●	●	●	●	●		●					
	Single Flow Cassette	FXKQ-MAVE4	VRT			○	○	○		○								
	Ceiling Mounted Cassette Duct	FXFDQ-AV4	VRT smart							○	○	○	○					
Ceiling Concealed	Bedroom Duct	FXDBQ-AVM4	VRT smart					○	○	○	○							
	Slim Duct (Standard)	FXDQ-PDVE4 (with drain pump)	VRT smart	(700 mm width type)	○	○	○											
		FXDQ-PDVT4 (without drain pump)	VRT smart		○	○	○											
		FXDQ-NDVE4 (with drain pump)	VRT smart	(900/1,100 mm width type)				○	○	○								
		FXDQ-NDVT4 (without drain pump)	VRT smart					○	○	○								
	Slim Duct (Compact)	FXDQ-SPV14	VRT		○	○	○	○	○	○								
	Middle Static Pressure Duct	FXSQ-PAV4	VRT smart		○	○	○	○	○	○	○	○	○	○				
	Middle-High Static Pressure Duct	FXMQ-PAV4	VRT smart		○	○	○	○	○	○	○	○	○	○				
	High Static Pressure Duct	FXMQ-PVM	VRT smart												○	○		
	Outdoor-Air Processing Unit	FXMQ-MFV7											○		○	○		
		New **FXMQ-BFV24**	VRT								●			●	●	●		
Ceiling Suspended	Ceiling Suspended	FXHQ-MAV7	VRT				○			○		○						
		New **FXHQ-BVM4**	VRT										●	●				
Wall Mounted		FXAQ-AVM4	VRT smart		○	○	○	○	○	○								
Floor Standing	Floor Standing	FXLQ-MAVE4	VRT		○	○	○	○	○	○								
	Concealed Floor Standing	FXNQ-MAVE4	VRT		○	○	○	○	○	○								
	Floor Standing Duct	FXVQ-NY14	VRT										○		○	○	○	○
Clean Room Air Conditioner		FXBQ-PVE4	VRT					○	○	○								
		FXBPQ-PVE4	VRT							○								
Heat Reclaim Ventilator with DX-Coil		VKM-GCVE		Airflow rate 500-950 m³/h														
Heat Reclaim Ventilator		VAM-HVE		Airflow rate 150-2000 m³/h														
Air Handling Unit		AHUR		6–120 HP														



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.

Outdoor Units

VRV A Series

Specifications

MODEL			RXQ6AY14(W)	RXQ8AY14(W)	RXQ10AY14(W)	RXQ12AY14(W)	RXQ14AY14(W)	RXQ16AY14(W)	RXQ18AY14(W)	RXQ20AY14(W)	RXQ18AMY14(W)	RXQ20AMY14(W)	RXQ22AMY14(W)	RXQ24AMY14(W)	RXQ26AMY14(W)	RXQ28AMY14(W)	RXQ30AMY14(W)
Combination units			—	—	—	—	—	—	—	—	RXQ8AY14(W)	RXQ8AY14(W)	RXQ10AY14(W)	RXQ12AY14(W)	RXQ12AY14(W)	RXQ12AY14(W)	RXQ12AY14(W)
			—	—	—	—	—	—	—	—	RXQ10AY14(W)	RXQ12AY14(W)	RXQ12AY14(W)	RXQ12AY14(W)	RXQ14AY14(W)	RXQ16AY14(W)	RXQ18AY14(W)
Power supply			3-phase 4-wire system, 380-415 V, 50 Hz								3-phase 4-wire system, 380-415 V, 50 Hz						
Cooling capacity		Btu/h	54,600	76,400	95,500	114,000	136,000	154,000	171,000	191,000	172,000	191,000	210,000	229,000	251,000	268,000	285,000
		kW	16.0	22.4	28.0	33.5	40.0	45.0	50.0	56.0	50.4	55.9	61.5	67.0	73.5	78.5	83.5
Power consumption		kW	3.38	5.17	6.84	8.70	10.7	12.9	15.3	17.7	12.0	13.9	15.5	17.4	19.4	21.6	24.0
Capacity control		%	25-100	20-100	13-100	12-100	11-100	10-100	10-100	7-100	7-100	7-100	6-100	6-100	6-100	5-100	5-100
Casing colour			Ivory white (5Y7.5/1) (Metallic brown ★1)								Ivory white (5Y7.5/1) (Metallic brown ★1)						
Compressor	Type		Hermetically sealed scroll type								Hermetically sealed scroll type						
	Motor output	kW	2.3×1	3.4×1	4.5×1	5.6×1	6.4×1	(3.5×1)+(3.5×1)	(4.0×1)+(4.0×1)	(3.8×1)+(6.3×1)	(3.4×1)+(4.5×1)	(3.4×1)+(5.6×1)	(4.5×1)+(5.6×1)	(5.6×1)+(5.6×1)	(5.6×1)+(6.4×1)	(5.6×1)+(3.5×1) +(3.5×1)	(5.6×1)+(4.0×1) +(4.0×1)
Airflow rate		m³/min	119	178		191	257			297	178+178	178+191		191+191	191+257		
Dimensions (H×W×D)		mm	1,657×930×765				1,657×1,240×765			1,657×1,240×765	(1,657×930×765)+(1,657×930×765)				(1,657×930×765)+(1,657×1,240×765)		
Machine weight		kg	175 (180 ★1)		185 (195 ★1)		215 (235 ★1)	260 (280 ★1)		285 (310 ★1)	175+185 (180+195 ★1)		185+185 (195+195 ★1)		185+215 (195+235★1)	185+260 (195+280 ★1)	
Sound level		dB(A)	56		57	59	60		61	65	60	61		62	63		
Operation range		°CDB	10 to 49								10 to 49						
Refrigerant	Type		R-410A								R-410A						
	Charge	kg	5.9		6.7	6.8	7.4	8.2	8.4	11.8	5.9+6.7	5.9+6.8	6.7+6.8	6.8+6.8	6.8+7.4	6.8+8.2	6.8+8.4
Piping connections	Liquid	mm	ϕ9.5 (Brazing)			ϕ12.7 (Brazing)			ϕ15.9 (Brazing)	ϕ15.9 (Brazing)					ϕ19.1 (Brazing)		
	Gas	mm	ϕ19.1 (Brazing)		ϕ22.2 (Brazing)	ϕ28.6 (Brazing)				ϕ28.6 (Brazing)				ϕ34.9 (Brazing)			

MODEL			RXQ32AMY14(W)	RXQ34AMY14(W)	RXQ36AMY14(W)	RXQ38AMY14(W)	RXQ40AMY14(W)	RXQ42AMY14(W)	RXQ44AMY14(W)	RXQ46AMY14(W)	RXQ48AMY14(W)	RXQ50AMY14(W)	RXQ52AMY14(W)	RXQ54AMY14(W)	RXQ56AMY14(W)	RXQ58AMY14(W)	RXQ60AMY14(W)
Combination units			RXQ14AY14(W)	RXQ16AY14(W)	RXQ18AY14(W)	RXQ18AY14(W)	RXQ20AY14(W)	RXQ12AY14(W)	RXQ12AY14(W)	RXQ14AY14(W)	RXQ14AY14(W)	RXQ14AY14(W)	RXQ16AY14(W)	RXQ18AY14(W)	RXQ18AY14(W)	RXQ18AY14(W)	RXQ20AY14(W)
			RXQ18AY14(W)	RXQ18AY14(W)	RXQ18AY14(W)	RXQ20AY14(W)	RXQ20AY14(W)	RXQ12AY14(W)	RXQ12AY14(W)	RXQ14AY14(W)	RXQ16AY14(W)	RXQ18AY14(W)	RXQ18AY14(W)	RXQ18AY14(W)	RXQ18AY14(W)	RXQ20AY14(W)	RXQ20AY14(W)
			—	—	—	—	—	RXQ18AY14(W)	RXQ20AY14(W)	RXQ18AY14(W)	RXQ18AY14(W)	RXQ18AY14(W)	RXQ18AY14(W)	RXQ18AY14(W)	RXQ20AY14(W)	RXQ20AY14(W)	RXQ20AY14(W)
Power supply			3-phase 4-wire system, 380-415 V, 50 Hz							3-phase 4-wire system, 380-415 V, 50 Hz							
Cooling capacity		Btu/h	307,000	324,000	341,000	362,000	382,000	399,000	420,000	444,000	461,000	478,000	495,000	512,000	532,000	553,000	573,000
		kW	90.0	95.0	100	106	112	117	123	130	135	140	145	150	156	162	168
Power consumption		kW	26.0	28.2	30.6	33.0	35.4	32.7	35.1	36.7	38.9	41.3	43.5	45.9	48.3	50.7	53.1
Capacity control		%	5-100	5-100	5-100	4-100	3-100	4-100	3-100	3-100	3-100	3-100	3-100	3-100	3-100	2-100	2-100
Casing colour			Ivory white (5Y7.5/1) (Metallic brown ★1)							Ivory white (5Y7.5/1) (Metallic brown ★1)							
Compressor	Type		Hermetically sealed scroll type							Hermetically sealed scroll type							
	Motor output	kW	(6.4×1)+(4.0×1) +(4.0×1)	(3.5×1)+(3.5×1) +(4.0×1)+(4.0×1)	(4.0×1)+(4.0×1) +(4.0×1)+(4.0×1)	(4.0×1)+(4.0×1) +(3.8×1)+(6.3×1)	(3.8×1)+(6.3×1) +(3.8×1)+(6.3×1)	(5.6×1)+(5.6×1) +(4.0×1)+(4.0×1)	(5.6×1)+(5.6×1) +(3.8×1)+(6.3×1)	(6.4×1)+(6.4×1) +(4.0×1)+(4.0×1)	(6.4×1)+(3.5×1)+(3.5×1) +(4.0×1)+(4.0×1)	(6.4×1)+(4.0×1)+(4.0×1) +(4.0×1)+(4.0×1)	(3.5×1)+(3.5×1)+(4.0×1) +(4.0×1)+(4.0×1)	**(4.0×1)+(4.0×1)+(4.0×1) +(4.0×1)+(4.0×1)+(4.0×1)**	(4.0×1)+(4.0×1)+(4.0×1) +(4.0×1)+(3.8×1)+(6.3×1)	(4.0×1)+(4.0×1)+(3.8×1) +(6.3×1)+(3.8×1)+(6.3×1)	(3.8×1)+(6.3×1)+(3.8×1) +(6.3×1)+(3.8×1)+(6.3×1)
Airflow rate		m³/min	257+257			257+297	297+297	191+191+257	191+191+297	257+257+257					257+257+297	257+297+297	297+297+297
Dimensions (H×W×D)		mm	(1,657×1,240×765)+(1,657×1,240×765)					(1,657×930×765)+(1,657×930×765)+ (1,657×1,240×765)		(1,657×1,240×765)+(1,657×1,240×765)+(1,657×1,240×765)							
Machine weight		kg	215+260 (235+280★1)	260+260 (280+280 ★1)		260+285 (280+310★1)	285+285 (310+310★1)	185+185+260 (195+195+280 ★1)	185+185+285 (195+195+310★1)	215+215+260 (235+235+280★1)	215+260+260 (235+280+280 ★1)		260+260+260 (280+280+280 ★1)		260+260+285 (280+280+310★1)	260+285+285 (280+310+310 ★1)	285+285+285 (310+310+310 ★1)
Sound level		dB(A)	64			66	68	65	67	65				66	68	69	70
Operation range		°CDB	10 to 49							10 to 49							
Refrigerant	Type		R-410A							R-410A							
	Charge	kg	7.4+8.4	8.2+8.4	8.4+8.4	8.4+11.8	11.8+11.8	6.8+6.8+8.4	6.8+6.8+11.8	7.4+7.4+8.4	7.4+8.2+8.4	7.4+8.4+8.4	8.2+8.4+8.4	8.4+8.4+8.4	8.4+8.4+11.8	8.4+11.8+11.8	11.8+11.8+11.8
Piping connections	Liquid	mm	ϕ19.1 (Brazing)							ϕ19.1 (Brazing)							
	Gas	mm	ϕ34.9 (Brazing)		ϕ41.3 (Brazing)					ϕ41.3 (Brazing)							

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

Note: ★1. Models with (W) are the outdoor units with anti-corrosion specifications. For details, refer to pages 41 - 42 for more information.

INDOOR UNIT LINEUP

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

VRV indoor units

Round Flow Cassette with Sensing and Streamer Type

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





New FXFTQ-AV4

Round Flow Cassette with Streamer Type

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





New FXFRQ-AV4

Round Flow Cassette with Sensing Type

Comfort and energy savings by sensing functions





FXFSQ-AV4

Round Flow Cassette Type

360° airflow for improved comfort

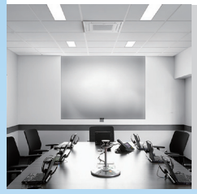


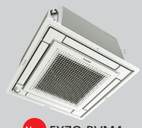


FXFQ-AV4

Compact Multi Flow Cassette Type

Quiet, compact, and designed for user comfort





New FXZQ-BVM4

Ceiling Mounted Cassette Duct Type

Unprecedented flexibility with Revolutionary air blow concept



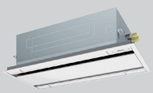


FXFDQ-AV4

Double Flow Cassette Type

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



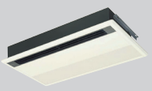


New FXCQ-BVM4

Single Flow Cassette Type

Slim design for flexible installation

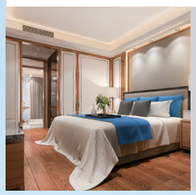




FXKQ-MAVE4

Bedroom Duct Type

Suitable for close living spaces such as hotels and condominiums



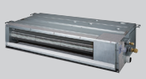


FXDBQ-AVM4

Slim Duct (Compact) Type

Slim and compact design for easy and flexible installation

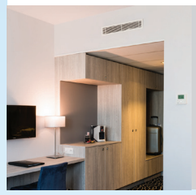




FXDQ-SPV14

Slim Duct (Standard) Type

Slim design, quietness and ideal for drop-ceilings





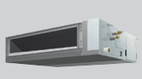
FXDQ-PDVE(T)4

FXDQ-NDVE(T)4

Middle Static Pressure Duct Type

Middle static pressure and slim design allow flexible installations.





FXSQ-PAV4

Middle-High Static Pressure Duct Type

Middle and high static pressure allows for flexible duct design.

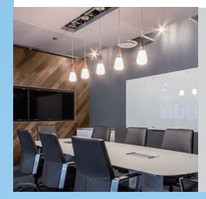


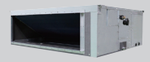


FXMQ-PAV4

High Static Pressure Duct Type

High static pressure allows for flexible duct design.





FXMQ-PVM

Outdoor-Air Processing Unit

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



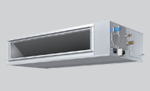


FXMQ-MFV7

Outdoor-Air Processing Unit

Improve IAQ with fresh air ventilation and precise room temperature control





New FXMQ-BFV24

Wall Mounted Type

Stylish flat panel design harmonised with your interior décor.





FXAQ-AVM4

Ceiling Suspended Type

Slim body with quiet and wide airflow.





FXHQ-MAV7

New FXHQ-BVM4

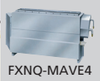
Floor Standing Type / Conceal Floor Standing Type

Suitable for perimeter zone air conditioning





FXLQ-MAVE4



FXNQ-MAVE4

Floor Standing Duct Type

Large airflow type for large spaces.



FXVQ-NY14

Clean Room Air Conditioner

Suitable for hospitals and other clean spaces

FXBQ-PVE4
FXBPQ-PVE4

Air Handling Unit

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

AHUR

Air treatment equipment

Heat Reclaim Ventilator with DX-Coil

Air quality improvement by introducing fresh outdoor air in the room

VKM-GCVE

Heat Reclaim Ventilator

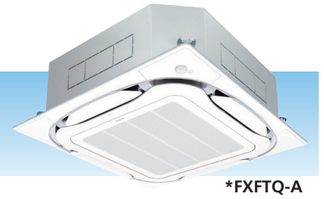
Daikin VAM series ensures fresh air intake and energy savings

VAM-HVE

Round Flow Cassette with Sensing & Streamer
Round Flow Cassette with Streamer

New **FXFTQ-A**
FXFRQ-A

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



*FXFTQ-A

Introducing Streamer technology to *VRV* Indoor unit

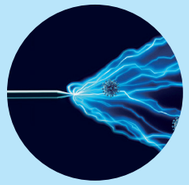
Daikin Streamer Technology enhances maximum efficiency in cleaning, which uses powerful decomposition properties to decompose substances captured by filter for better air quality.

FXFTQ-A
FXFRQ-A



*FXFRQ-A

STREAMER Technology

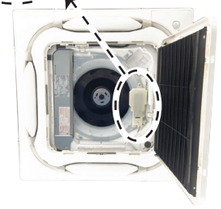


Streamer filter clean unit irradiates Streamer when the fan and air conditioning operation are stopped.
Streamer fumigates the cabin and sterilizes the filter.

New



Streamer Filter Clean Unit built-in inside the indoor unit



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



Stylish Remote Controller BRC1H63W/K

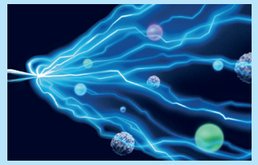


Streamer ON/OFF setting and status icon are available.

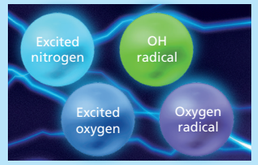
Streamer Technology

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

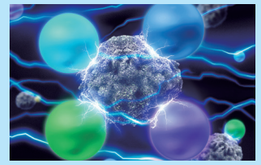
Mechanism of decomposition by Streamer



Streamer emits high-speed electrons.



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

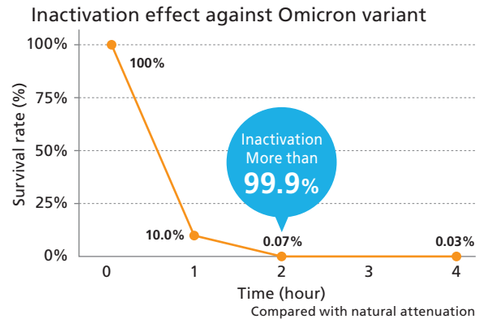


The decomposing elements provide decomposition power.

99.93% Inactivation of Omicron variant in 2 hours

Experimental Results

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



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

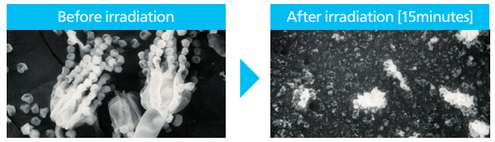
Professor Tatsuo Shioda, Department of Virus Infections, Research Institute for Microbial Diseases, Osaka University

*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

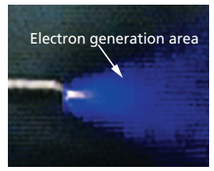
Winner of the 2005 Progress Award, Institute of Electrostatics Japan

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

105 Patents Acquired

Patents acquired relating to Streamer technology

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

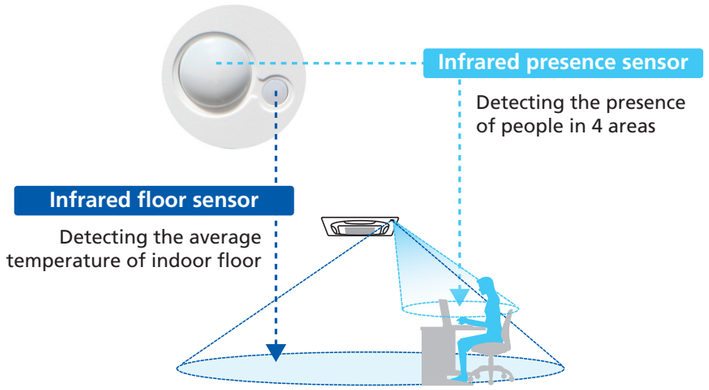


Note:
*Comparison of oxidation decomposition.
This does not mean temperature will become high.

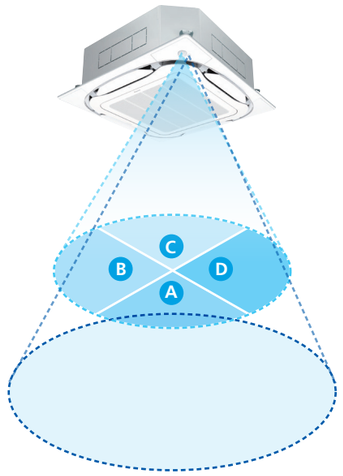
Daikin advanced sensing technology dual sensors

***FOR FXFTQ-A MODELS ONLY**

Comfort and energy saving by sensing functions



Round flow with sensing



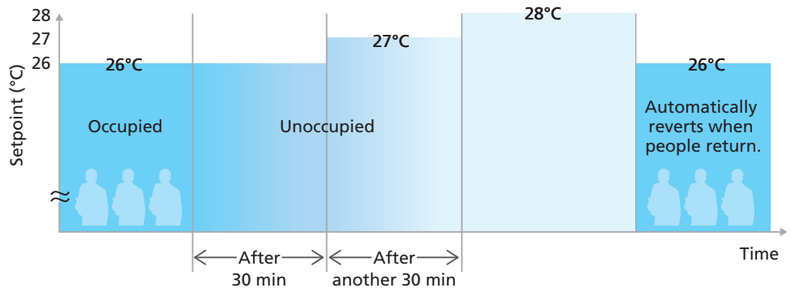
Sensing sensor mode **Energy saving**

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.

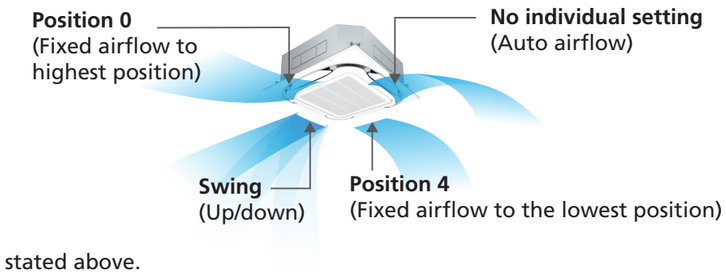
Individual airflow direction control

Comfortable air conditioning for all room layouts and conditions

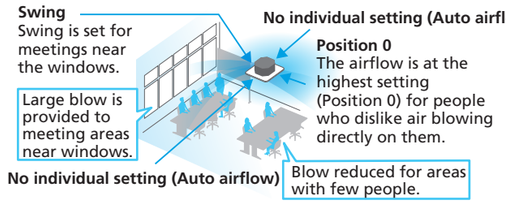
Easy setting is possible with a wired remote controller

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.

Other functions

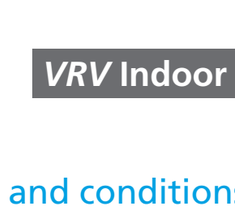
Quick and easy installation

Installable in tight ceiling spaces

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

* For FXFTQ25-80A model & FXFRQ25-80A models

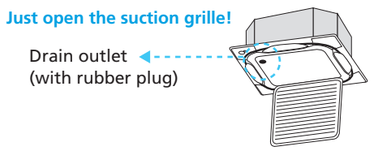
Drain pump is equipped as standard accessory with 850 mm lift.



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



Round Flow Cassette with Sensing & Streamer Type

FXFTQ-A

Panel (Option)



Standard panel with sensing
BYCQ125EEF (Fresh White)



Standard panel with sensing
BYCQ125EEK (Black)

Specifications

MODEL		FXFTQ25AV4	FXFTQ32AV4	FXFTQ40AV4	FXFTQ50AV4	FXFTQ63AV4	FXFTQ80AV4	FXFTQ100AV4	FXFTQ125AV4	FXFTQ140AV4
Power supply		1-phase, 220 V, 50 Hz								
Cooling capacity	Btu/h	9,600	12,300	15,400	19,100	24,200	30,700	38,200	47,800	54,600
	kW	2.8	3.6	4.5	5.6	7.1	9.0	11.2	14.0	16.0
Power consumption	kW	0.028		0.035	0.056	0.061	0.092	0.164	0.170	0.194
		0.026		0.034	0.056	0.060	0.092	0.144	0.159	0.183
Casing		Galvanised steel plate								
Airflow rate (H/HM/M/ML/L)	m^3/min	13/12.5/11.5/11/10		13/13.5/12.5/12/11	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)								

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

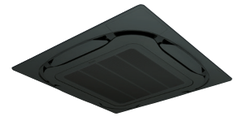
FXFRQ-A

Decoration Panel (Option)

Standard panel



Standard panel
BYCQ125EAF (Fresh White)



Standard panel
BYCQ125EAK (Black)

New designer panel

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



Designer panel
BYCQ125EAPF (Fresh White)

Close to ideal styling
New designer panel

FLAT
Flatter styling:
Suction panel grid texture smoothed.



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



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



Auto grille panel

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

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



Wireless Remote Controller

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

Specifications

MODEL		FXFRQ25AV4	FXFRQ32AV4	FXFRQ40AV4	FXFRQ50AV4	FXFRQ63AV4	FXFRQ80AV4	FXFRQ100AV4	FXFRQ125AV4	FXFRQ140AV4
Power supply		1-phase, 220 V, 50 Hz								
Cooling capacity	Btu/h	9,600	12,300	15,400	19,100	24,200	30,700	38,200	47,800	54,600
	kW	2.8	3.6	4.5	5.6	7.1	9.0	11.2	14.0	16.0
Power consumption	kW	0.029		0.036	0.040	0.063	0.096	0.158	0.178	0.203
		0.027		0.036	0.040	0.063	0.096	0.150	0.166	0.191
Casing		Galvanised steel plate								
Airflow rate (H/HM/M/ML/L)	m^3/min	13/12.5/11.5/11/10		17/13.5/13/12/11	18/17/13.5/12.5/11	21/20/16/15/13.5	22.5/21.5/21/20/15	32/29/26/23/21	33/30.5/28/25.5/21	35.5/32.5/29.5/26.5/23
	cfm	459/441/406/388/353		600/477/459/424/388	635/600/477/441/388	741/706/565/530/477	794/759/741/706/530	1,130/1,024/918/812/741	1,165/1,077/988/900/741	1,253/1,147/1,041/935/812
Sound level (H/HM/M/ML/L)	dB(A)	30/29.5/28.5/28/27		35/29.5/29/28/27	35/33.5/29.5/28.5/27	36/35.5/31.5/31/28	37/36.5/36/35.5/29.5	43/40.5/37.5/35/33	44/41.5/39/36.5/33	46/43.5/40.5/38/35
Dimensions (H×W×D)	mm	256×840×840						298×840×840		
Machine weight	kg	19				22		25		26
Piping connections: Liquid (Flare)	mm	ϕ6.4				ϕ9.5				
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. Actual capacity of indoor unit is based on the total capacity index. (See Engineering Data Book for details.)
- Sound level: Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre.
  During actual operation, these values are normally somewhat higher as a result of ambient conditions.

Panel (Option)

Standard panel	Model		BYCQ125EAF (Fresh White) / BYCQ125EAK (Black)
	Dimensions(H×W×D)	mm	50×950×950
	Weight	kg	5.5
Designer panel	Model		BYCQ125EAPF (Fresh White)
	Dimensions(H×W×D)	mm	97×950×950
	Weight	kg	6.5
Auto grille panel	Model		BYCQ125EBSF (Fresh White)
	Dimensions(H×W×D)	mm	105×950×950
	Weight	kg	8

Function List

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

Round Flow Cassette with Sensing Type
Round Flow Cassette Type

FXFSQ-A
FXFQ-A

Comfort and energy saving by sensing functions

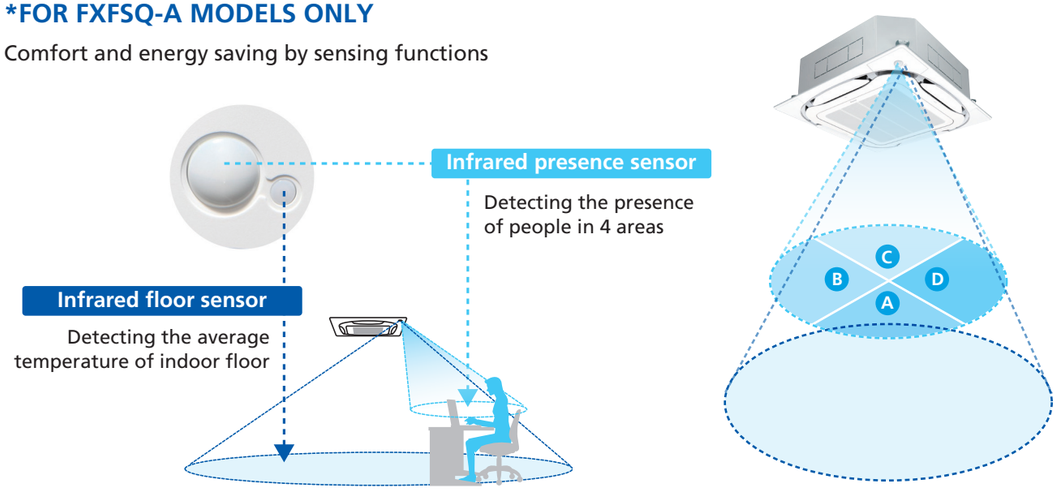


Round flow with sensing

Daikin advanced sensing technology dual sensors

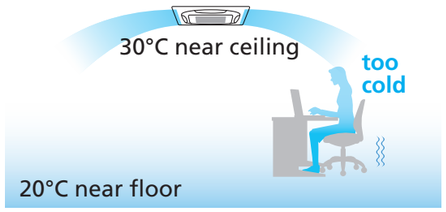
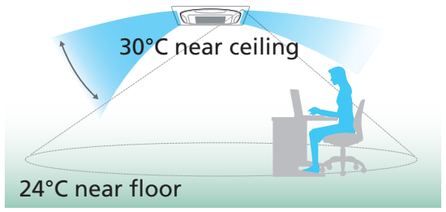
***FOR FXFSQ-A MODELS ONLY**

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.

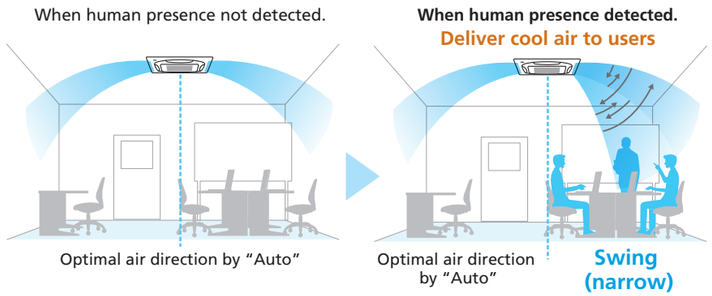
***FOR FXFSQ-A MODELS ONLY**

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



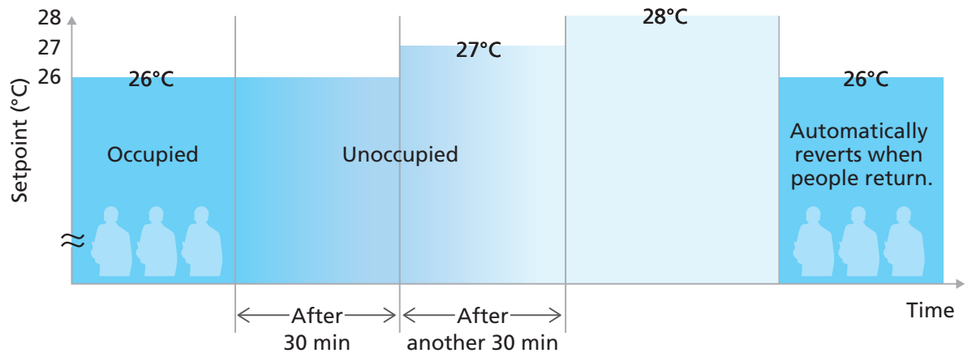
Sensing sensor mode **Energy saving**

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

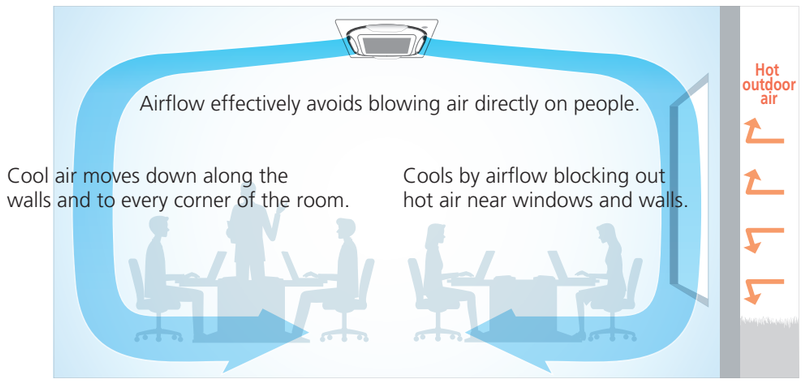
Circulation airflow

Configurations of circulation airflow

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

Cooling

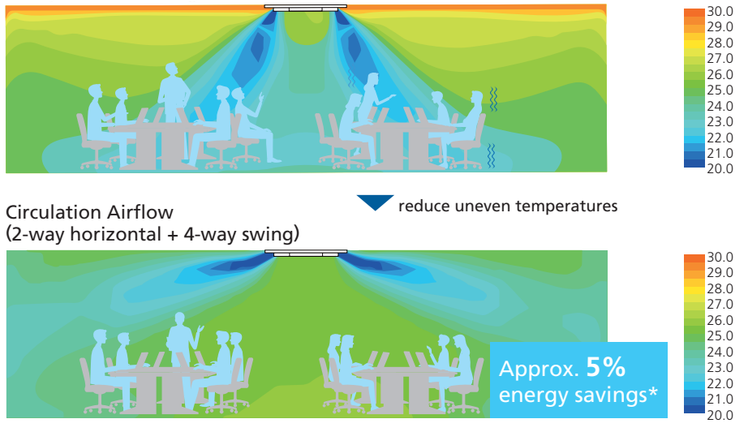
During 2-way horizontal flow



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)

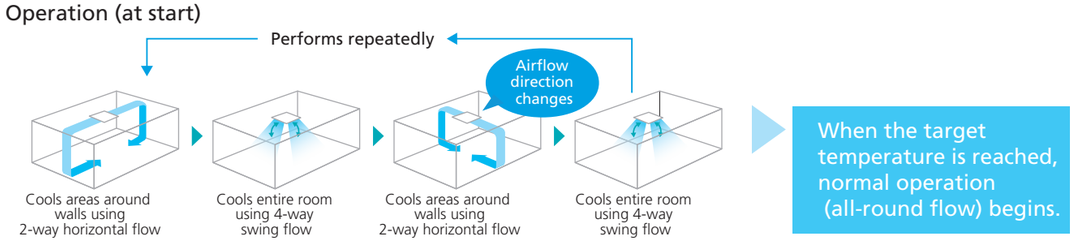


reduce uneven temperatures

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

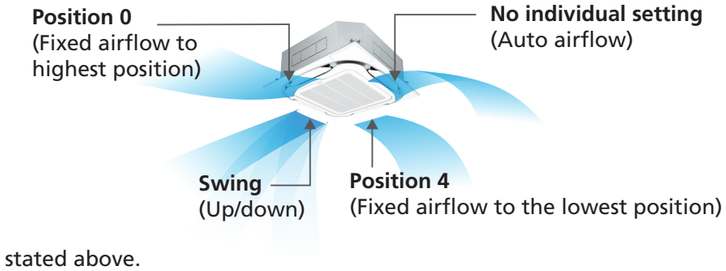
***Applicable when wired remote controller BRC1E63 or BRC1H63W(K) is used**

Comfortable air conditioning for all room layouts and conditions

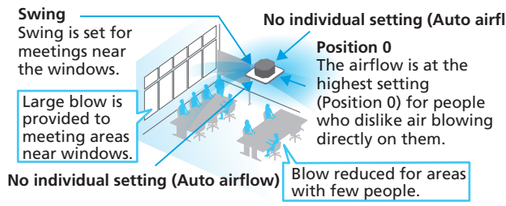
Easy setting is possible with a wired remote controller

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.

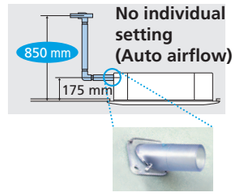
Other functions

Quick and easy installation

Installable in tight ceiling spaces

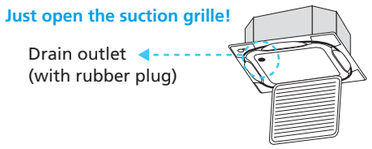
Min. of 261 mm* ceiling space when using standard panel.

* For FXFSQ25-80A & FXFQ 25-80A 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



Round Flow Cassette with Sensing Type
FXFSQ-A

Panel (Option)



Standard panel with sensing
BYCQ125EEF (Fresh White)



Standard panel with sensing
BYCQ125EEK (Black)

Specifications

MODEL		FXFSQ25AV4	FXFSQ32AV4	FXFSQ40AV4	FXFSQ50AV4	FXFSQ63AV4	FXFSQ80AV4	FXFSQ100AV4	FXFSQ125AV4	FXFSQ140AV4
Power supply		1-phase, 220-240 V, 50 Hz								
Cooling capacity	Btu/h	9,600	12,300	15,400	19,100	24,200	30,700	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)	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

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.

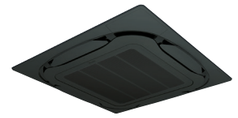
Round Flow Cassette Type
FXFQ-A

Decoration Panel (Option)

Standard panel



Standard panel
BYCQ125EAF (Fresh White)



Standard panel
BYCQ125EAK (Black)

New designer panel

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



Designer panel
BYCQ125EAPF (Fresh White)

Close to ideal styling
New designer panel

FLAT
Flatter styling:
Suction panel grid texture smoothed.



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



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



Auto grille panel

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

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



Wireless Remote Controller

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

Specifications

MODEL		FXFQ25AV4	FXFQ32AV4	FXFQ40AV4	FXFQ50AV4	FXFQ63AV4	FXFQ80AV4	FXFQ100AV4	FXFQ125AV4	FXFQ140AV4
Power supply		1-phase, 220-240 V, 50 Hz								
Cooling capacity	Btu/h	9,600	12,300	15,400	19,100	24,200	30,700	38,200	47,800	54,600
	kW	2.8	3.6	4.5	5.6	7.1	9.0	11.2	14.0	16.0
Power consumption	kW	0.029		0.036	0.040	0.063	0.096	0.158	0.178	0.203
Casing		Galvanised steel plate								
Airflow rate (H/HM/M/ML/L)	m³/min	13/12.5/11.5/11/10		17/13.5/13/12/11	18/17/13.5/12.5/11	21/20/16/15/13.5	22.5/21.5/21/20/15	32/29/26/23/21	33/30.5/28/25.5/21	35.5/32.5/29.5/26.5/23
	cfm	459/441/406/388/353		600/477/459/424/388	635/600/477/441/388	741/706/565/530/477	794/759/741/706/530	1,130/1,024/918/812/741	1,165/1,077/988/900/741	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

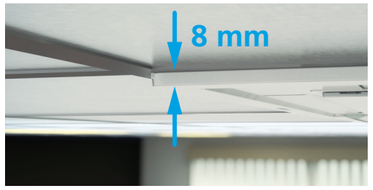
New **FXZQ-B**

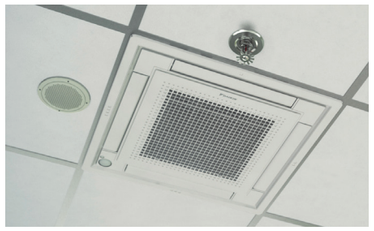
Quiet, compact, and designed for user comfort



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

New Streamer filter clean unit (Option)

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

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

STREAMER



BAPW55A61

Ceiling soiling prevention

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





Specifications

MODEL		FXZQ20BVM4	FXZQ25BVM4	FXZQ32BVM4	FXZQ40BVM4	FXZQ50BVM4
Power supply		1 phase, 220-240V, 50 Hz				
Cooling capacity	Btu/h	7,500	9,600	12,300	15,400	19,100
	kW	2.2	2.8	3.6	4.5	5.6
Power consumption	kW	0.043		0.045	0.059	0.092
Casing		Galvanised steel plate				
Airflow rate (H/M/L)	m³/min	8.7/7.5/6.5	9.0/8.0/6.5	10.0/8.5/7.0	11.5/9.5/8.0	14.5/12.5/10.0
	cfm	307/265/229	318/282/229	353/300/247	406/335/282	512/441/353
Sound level (H/M/L)	dB(A)	32.0/29.5/25.5	33.0/30.0/25.5	33.5/30.0/26.0	37.0/32.0/28.0	43.0/40.0/33.0
Sound power (H)	dB(A)	49	50	51	54	60
Dimensions (H×W×D)	mm	260×575×575 (For depth add 63 mm for electrical box)				
Machine weight	kg	15.5		16.5		18.5
Piping connections	Liquid (Flare)	mm	ϕ6.4			
	Gas (Flare)		ϕ12.7			
	Drain		VP20 (External Dia. 26/Internal Dia. 20)			

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

Panel (Option)

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

Ceiling Mounted Cassette Duct Type

FXFDQ-A

Unprecedented flexibility with revolutionary air blow concept



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		m³/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 (H×W×D)	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 besed 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.)

Double Flow Cassette Type

New FXCQ-B

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



Specifications

MODEL			FXCQ20BVM4	FXCQ25BVM4	FXCQ32BVM4	FXCQ40BVM4	FXCQ50BVM4	FXCQ63BVM4	FXCQ80BVM4	FXCQ125BVM4
Power supply			1-phase, 220-240V, 50 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
			Galvanised steel plate							
Airflow rate (H/HM/M/ML/L)		m³/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		External Dia. 32/Internal Dia. 25							
	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



Specifications

MODEL			FXKQ25MAVE4	FXKQ32MAVE4	FXKQ40MAVE4	FXKQ63MAVE4
Power supply			1-phase, 220-240 V, 50 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)		m³/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 (HxWxD)	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.

Bedroom Duct Type

FXDBQ-A

Suitable for close living spaces such as hotels and condominiums



Specifications

MODEL			FXDBQ40AVM4	FXDBQ50AVM4	FXDBQ63AVM4	FXDBQ80AVM4
Power supply			1-phase, 220-240 V, 50 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)		m³/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)			

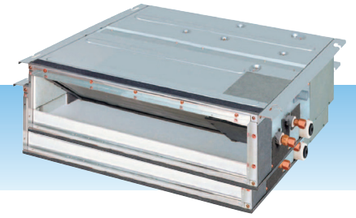
Notes: Specifications are based on the following conditions;
- Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Height difference: 0 m.
- Sound level: Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre.
  During actual 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



Specifications

MODEL		with drain pump	FXDQ20PDVE4	FXDQ25PDVE4	FXDQ32PDVE4	FXDQ40NDVE4	FXDQ50NDVE4	FXDQ63NDVE4
		without drain pump	FXDQ20PDVT4	FXDQ25PDVT4	FXDQ32PDVT4	FXDQ40NDVT4	FXDQ50NDVT4	FXDQ63NDVT4
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 (FXDQ-PD/NDVE4) *1		kW	0.086		0.089	0.160	0.165	0.181
Power consumption (FXDQ-PD/NDVT4) *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
	Gas (Flare)		ϕ12.7					ϕ15.9
	Drain		VP20 (External Dia. 26/Internal Dia. 20)					

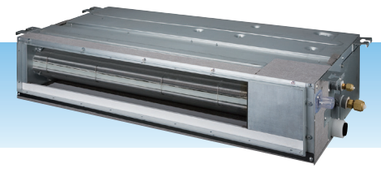
Notes: Specifications are based on the following conditions;
- Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Height difference: 0 m.
- Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index. (See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

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

Slim Duct (Compact) Type

FXDQ-SP

Slim and compact design for easy and flexible installation



Specifications

MODEL		FXDQ20SPV14	FXDQ25SPV14	FXDQ32SPV14	FXDQ40SPV14	FXDQ50SPV14	FXDQ63SPV14
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)	ϕ6.4					ϕ9.5
	Gas (Flare)	ϕ12.7					ϕ15.9
	Drain	VP20 (External Dia. 26/Internal Dia. 20)					

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

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

Middle Static Pressure Duct Type

FXSQ-PA

Middle static pressure and slim design allow flexible installations



Specifications

MODEL		FXSQ20PAV4	FXSQ25PAV4	FXSQ32PAV4	FXSQ40PAV4	FXSQ50PAV4
Power supply		1-phase, 220-240 V, 50 Hz				
Cooling capacity	Btu/h	7,500	9,600	12,300	15,400	19,100
	kW	2.2	2.8	3.6	4.5	5.6
Power consumption	kW	0.058*1		0.066*1	0.101*1	0.075*1
Casing		Galvanised steel plate				
Airflow rate (H/M/L)	m^3/min	9/7.5/6.5		9.5/8/7	15/12.5/10.5	17/14.5/11.5
	cfm	318/265/230		335/282/247	530/441/371	600/512/406
External static pressure	Pa	30-150 (50) *2				50-150 (50) *2
Sound level (H/M/L)	dB(A)	33/30/28		34/32/30	36/33/30	34/32/29
Dimensions (H×W×D)	mm	245×550×800			245×700×800	245×1,000×800
Machine weight	kg	25			27	35
Piping connections	Liquid (Flare)	ϕ6.4				
	Gas (Flare)	ϕ12.7				
	Drain	VP25 (External Dia. 32/Internal Dia. 25)				

MODEL		FXSQ63PAV4	FXSQ80PAV4	FXSQ100PAV4	FXSQ125PAV4	FXSQ140PAV4
Power supply		1-phase, 220-240 V, 50 Hz				
Cooling capacity	Btu/h	24,200	30,700	38,200	47,800	54,600
	kW	7.1	9.0	11.2	14.0	16.0
Power consumption	kW	0.106*1	0.126*1	0.151*1	0.206*1	0.222*1
Casing		Galvanised steel plate				
Airflow rate (H/M/L)	m^3/min	21/17.5/14.5	23/19.5/16	32/27/22.5	37/31.5/26	39/33.5/28
	cfm	741/618/512	812/688/565	1,130/953/794	1,306/1,112/918	1,377/1,183/988
External static pressure	Pa	50-150 (50) *2				50-140 (50) *2
Sound level (H/M/L)	dB(A)	36/32/29	37.5/34/30	39/35/32	42/38.5/35	43/40/36
Dimensions (H×W×D)	mm	245×1,000×800		245×1,400×800		245×1,550×800
Machine weight	kg	35	37	46	47	52
Piping connections	Liquid (Flare)	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



Specifications

MODEL		FXMQ20PAV4	FXMQ25PAV4	FXMQ32PAV4	FXMQ40PAV4	FXMQ50PAV4
Power supply		1-phase, 220-240 V, 50 Hz				
Cooling capacity	Btu/h	7,500	9,600	12,300	15,400	19,100
	kW	2.2	2.8	3.6	4.5	5.6
Power consumption	kW	0.056 *1		0.060 *1	0.151 *1	0.128 *1
Casing		Galvanised steel plate				
Airflow rate (HH/H/L)	m^3/min	9/7.5/6.5		9.5/8/7	16/13/11	18/16.5/15
	cfm	318/265/230		335/282/247	565/459/388	635/582/530
External static pressure	Pa	30-100 (50) *2			30-160 (100) *2	50-200 (100) *2
Sound level (HH/H/L)	dB(A)	33/31/29		34/32/30	39/37/35	41/39/37
Dimensions (H×W×D)	mm	300x550x700			300x700x700	300x1,000x700
Machine weight	kg	25			27	35
Piping connections	Liquid (Flare)	ϕ6.4				
	Gas (Flare)	ϕ12.7				
	Drain	VP25 (External Dia. 32/Internal Dia. 25)				

MODEL		FXMQ63PAV4	FXMQ80PAV4	FXMQ100PAV4	FXMQ125PAV4	FXMQ140PAV4
Power supply		1-phase, 220-240 V, 50 Hz				
Cooling capacity	Btu/h	24,200	30,700	38,200	47,800	54,600
	kW	7.1	9.0	11.2	14.0	16.0
Power consumption	kW	0.138 *1	0.185 *1	0.215 *1	0.284 *1	0.405 *1
Casing		Galvanised steel plate				
Airflow rate (HH/H/L)	m^3/min	19.5/17.5/16	25/22.5/20	32/27/23	39/33/28	46/39/32
	cfm	688/618/565	883/794/706	1,130/953/812	1,377/1,165/988	1,624/1,377/1,130
External static pressure	Pa	50-200 (100) *2				50-140 (100) *2
Sound level (HH/H/L)	dB(A)	42/40/38	43/41/39		44/42/40	46/45/43
Dimensions (H×W×D)	mm	300×1,000×700		300×1,400×700		
Machine weight	kg	35		45		46
Piping connections	Liquid (Flare)	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.

Specifications

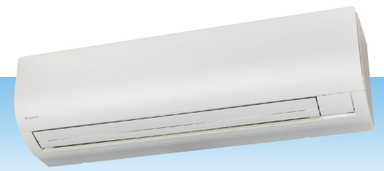
MODEL			FXMQ200PVM	FXMQ250PVM
Power supply			1-phase, 220-240 V, 50 Hz	
Cooling capacity		Btu/h	76,400	95,500
		kW	22.4	28.0
Power consumption		kW	0.55 *1	0.67 *1
Casing			Galvanised steel plate	
Airflow rate (HH/H/L)		m^3/min	74/61/50	84/71/58
		cfm	2,612/2,153/1,765	2,965/2,506/2,047
External static 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.

Wall Mounted Type

FXAQ-A



Stylish flat panel design harmonised with your interior décor

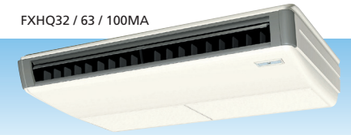
Specifications

MODEL			FXAQ20AVM4	FXAQ25AVM4	FXAQ32AVM4	FXAQ40AVM4	FXAQ50AVM4	FXAQ63AVM4
Power supply			1-phase, 220 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	0.040	0.040	0.040	0.050	0.060	0.100
Casing			Resin / White N9.5					
Airflow rate (H/L)		m^3/min	9.1/7.0	9.4/7.0	9.8/7.0	12.2/9.7	15.0/12.0	19.0/14.0
		cfm	321/247	332/247	346/247	431/342	530/424	671/494
Sound level (H/L)		dB(A)	33.0/28.5	35.0/28.5	37.5/28.5	37.0/33.5	41.0/35.5	46.5/38.5
Dimensions (H × W × D)		mm	290×795×266			290×1,050×269		
Machine weight		kg	12			15		
Piping connections	Liquid (Flare)	mm	ϕ6.4					ϕ9.5
	Gas (Flange)		ϕ12.7					ϕ15.9
	Drain		VP13 (External Dia. 18/Internal Dia. 15)					

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

New FXHQ-MA / B





Slim body with quiet and wide airflow

Specifications

MODEL			FXHQ32MAV7	FXHQ63MAV7	FXHQ100MAV7	FXHQ125BVM4	FXHQ140BVM4
Power supply			1-phase, 220-240 V, 50 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.

Floor Standing Type

FXLQ-MA



Suitable for perimeter zone air conditioning

Specifications

MODEL			FXLQ20MAVE4	FXLQ25MAVE4	FXLQ32MAVE4	FXLQ40MAVE4	FXLQ50MAVE4	FXLQ63MAVE4
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	0.049		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)	35/32			38/33	39/34	40/35
	240 V		37/34			40/35	41/36	42/37
Dimensions (H × W × D)		mm	600×1,000×222		600×1,140×222		600×1,420×222	
Machine weight		kg	25		30		36	
Piping connections	Liquid (Flare)	mm	ϕ6.4					ϕ9.5
	Gas (Flare)		ϕ12.7					ϕ15.9
	Drain		21O.D.					

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

Concealed Floor Standing Type

FXNQ-MA

Designed to be concealed in the perimeter skirting-wall



Specifications

MODEL			FXNQ20MAVE4	FXNQ25MAVE4	FXNQ32MAVE4	FXNQ40MAVE4	FXNQ50MAVE4	FXNQ63MAVE4
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	0.049		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)	35/32			38/33	39/34	40/35
	240 V		37/34			40/35	41/36	42/37
Dimensions (H × W × D)		mm	610×930×220		610×1,070×220		610×1,350×220	
Machine weight		kg	19.0		23.0		27.0	
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



Specifications

MODEL			FXVQ125NY14	FXVQ200NY14	FXVQ250NY14	FXVQ400NY14	FXVQ500NY14
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
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
Sound level *1		dB(A)	52	56	60	65	62
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	
	Airflow rate	m^3/min	43	69	86	134	165
		cfm	1,518	2,436	3,036	4,730	5,825
	External static pressure *2	Pa	152	217	281	420	142
	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.

Clean Room Air Conditioner

FXB(P)Q-P

Suitable for hospitals and other clean spaces



Specifications

Type			Integrated outlet unit model			Separate outlet unit model
MODEL	Indoor unit		FXBQ40PVE4	FXBQ50PVE4	FXBQ63PVE4	FXBPQ63PVE4
	Outlet unit		Integrated with the indoor unit			BAF82A63
Power supply			1-phase, 220-240 V, 50 Hz			
Cooling capacity		Btu/h	15,400	19,100	24,200	
		kW	4.5	5.6	7.1	
Power consumption		kW	0.31		0.45	
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	19.5/17.5		26/22.5	
		cfm	688/618		918/794	
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.

Air Handling Unit

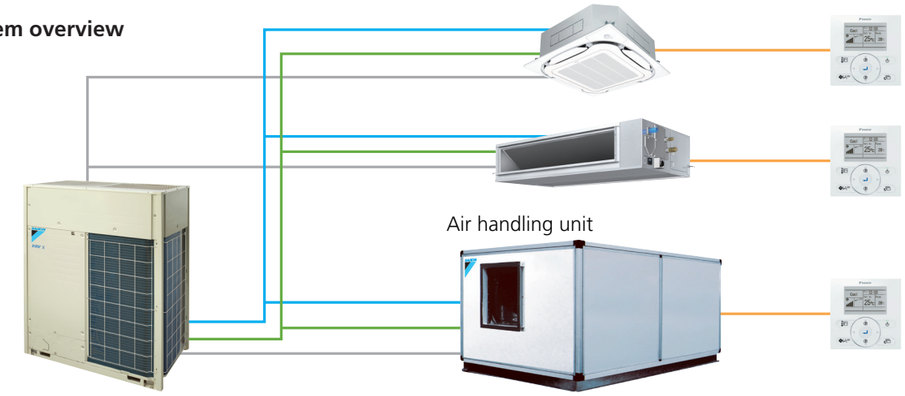
Integrate your air handling unit in a total solution for large size spaces such as factories and large stores.



- 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



Liquid pipe
Gas pipe
Daikin communication wire (F1, F2 communication)
Other communication wire

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

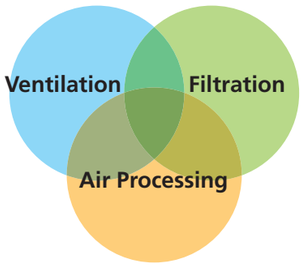


Air Treatment Equipment

Daikin's air treatment systems creating a higher IAQ

Components of indoor air quality

Air Conditioning +

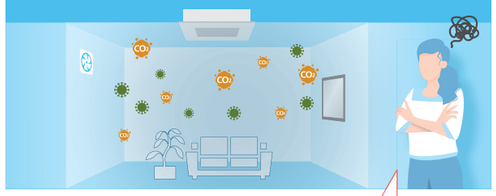


A recent trend rapidly gaining popularity is for air treatment to be required as well as air conditioning. Daikin has a lineup of 3 products that provide adequate IAQ, according to the client's needs.

Our Solutions for Indoor Air Quality Problems

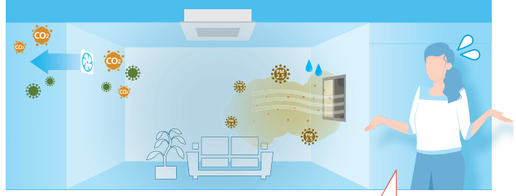
You may think cool and comfortable air-conditioned room is enough, but...

1 If the windows are closed in an air-conditioned room



Virus and CO_2 will accumulate in the room.

2 But if you open the windows...



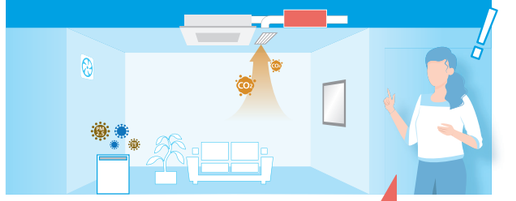
PM2.5 and humidity will come in, and it will become hot.

3 Let's close the windows and turn on the air purifier!



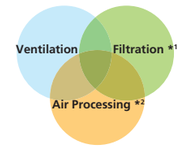
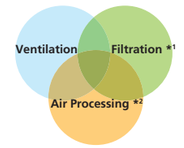
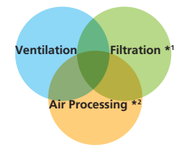
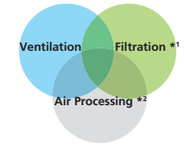
Air conditioning regulates heat and humidity, and air purifier can remove PM2.5, but CO_2 remains high. It is hard to concentrate.

4 If you have mechanical ventilation system such as Heat Reclaim Ventilator...



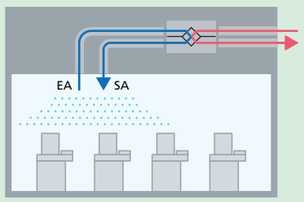
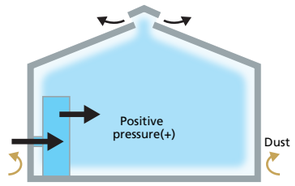
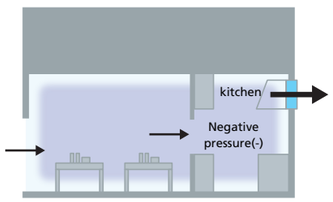
Finally, the CO_2 has been removed, and a comfortable space has been achieved!

Ventilation equipment can be selected according to suit purpose and circumstances

		Outdoor Air Processing Unit		Heat Reclaim Ventilator	
		FXMQ-MF series	FXMQ-BF series	VKM-GC series	VAM-H series
					
					
Connections with ***VRV*** systems	Refrigerant Piping	Connectable	Connectable	Connectable	Not connectable
	Wiring	Connectable	Connectable	Connectable	Connectable
	After-cool & After-heat Control	Available	Available	Available	Not available
Ventilation class		Class 2	Class 2	Class 1	Class 1
		Air supply only	Air supply only	Air supply & air exhaust	Air supply & air exhaust
Heat Exchange Element		—	—	Energy savings obtained	Energy savings obtained
High Efficiency Filter (Option)		Available	—	Available	Available
PM2.5 Filter (Option)		—	—	Available	Available
MERV8/14 Filter (Option)		—	Available	—	—
Airflow Rate		1,080 - 2,100 m³/h	690 - 2,160 m³/h	500 - 950 m³/h	150 - 2,000 m³/h

*1. Optional filter is necessary. Refer to option list for details.
*2. Refers to bringing outdoor air to near indoor temperature and delivering to a room.

Ventilation class

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

Air Treatment Equipment

FXMQ-MF Series

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



Specifications

Type			Ceiling Mounted Duct Type		
MODEL			FXMQ125MFV7	FXMQ200MFV7	FXMQ250MFV7
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			6 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.

New FXMQ-BF Series

Improve IAQ with fresh air ventilation & precise room temperature control



Specifications

Model			FXMQ80BFV24	FXMQ140BFV24	FXMQ200BFV24	FXMQ250BFV24
Power supply			1 phase, 220 V, 50 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)	m³/min	11.5/8.6/5.8	20.5/15.4/10.3	29.0/21.8/14.5	36.0/27.0/18.0
		cfm	406/304/205	724/544/364	1,024/770/512	1,271/953/635
	External static pressure	Pa	Rated 100 (200-50)			
Air filter			*2			
Refrigerant piping	Liquid	mm	ϕ9.5 (Flare)			
	Gas		ϕ15.9 (Flare)		ϕ19.1 (Brazing)	ϕ22.2 (Brazing)
	Drain		VP25 (External dia. 32, Internal dia. 25)			
Machine weight		kg	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)

VKM-GC Series

Air quality improvement by introducing fresh outdoor air in the room



Specifications

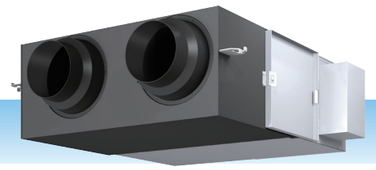
MODEL			VKM50GCVE	VKM80GCVE	VKM100GCVE
Refrigerant			R-410A		
Power Supply			1-phase, 220-240 V, 50 Hz		
Airflow Rate & External Static Pressure (Ultra-high / High / Low) (Note 4)	Airflow	m³/h	500/500/440	750/750/640	950/950/820
	Static pressure	Pa	210/170/140	220/180/125	170/120/90
Power Consumption (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.

Air Treatment Equipment

VAM-H Series

Daikin VAM series ensures fresh air intake & energy savings



Specifications

Model				VAM150HVE	VAM250HVE	VAM350HVE	VAM500HVE	VAM650HVE	VAM800HVE	VAM1000HVE	VAM1500HVE	VAM2000HVE
Power Supply				Single phase, 220-240 V, 50 Hz								
Temperature exchange efficiency (50/60 Hz)	For Cooling	Ultra-High	%	66.0/66.0	60.5/60.5	65.0/65.0	61.5/61.5	59.5/59.5	61.5/61.5	58.0/58.0	61.5/61.5	58.5/58.5
		High		66.0/66.0	60.5/60.5	65.0/65.0	61.5/61.5	59.5/59.5	61.5/61.5	58.0/58.0	61.5/61.5	58.5/58.5
		Low		69.0/69.5	65.0/65.5	70.0/70.0	63.0/64.0	62.5/63.0	64.0/65.0	61.5/62.0	65.5/66.0	65.5/65.5
Enthalpy exchange efficiency (50/60 Hz)	For Cooling	Ultra-High	%	63.5/63.5	60.0/60.0	62.5/62.5	62.5/62.5	60.0/60.0	63.0/63.0	60.0/60.0	63.0/63.0	60.0/60.0
		High		63.5/63.5	60.0/60.0	62.5/62.5	62.5/62.5	60.0/60.0	63.0/63.0	60.0/60.0	63.0/63.0	60.0/60.0
		Low		66.0/66.5	61.5/62.0	64.5/65.0	64.0/65.0	62.5/63.0	64.5/65.5	62.0/62.5	65.5/66.0	64.5/64.5
Power Consumption (50/60 Hz)	Heat exchange mode	Ultra-High	W	96-103/132	126-141/172	178-193/231	296-326/390	381-426/472	664-684/829	683-736/883	1,274-1,353/1,645	1,365-1,471/1,763
		High		90-93/118	114-123/144	163-170/207	248-261/329	307-319/413	603-612/712	621-656/763	1,207-1,225/1,423	1,241-1,311/1,526
		Low		68-73/67	75-83/79	132-142/145	223-233/268	264-276/332	504-544/562	539-569/594	1,008-1,089/1,125	1,079-1,138/1,188
	Bypass mode	Ultra-High	W	96-103/132	126-141/172	178-193/231	296-326/390	381-426/472	664-684/829	683-736/883	1,274-1,353/1,645	1,365-1,471/1,763
		High		90-93/118	114-123/144	163-170/207	248-261/329	307-319/413	603-612/712	621-656/763	1,207-1,225/1,423	1,241-1,311/1,526
		Low		68-73/67	75-83/79	132-142/145	223-233/268	264-276/332	504-544/562	539-569/594	1,008-1,089/1,125	1,079-1,138/1,188
Sound Level (50/60 Hz)	Heat exchange mode	Ultra-High	dB(A)	33.0-34.0/34.0	33.0-34.0/33.5	32.0-33.0/34.5	36.0-37.0/38.5	37.5-38.0/38.0	41.5-42.5/41.0	42.0-43.0/42.5	43.0-44.0/44.0	43.5-44.0/44.5
		High		30.5-32.0/28.0	31.5-32.5/28.0	30.0-31.5/27.5	35.0-36.0/35.0	36.0-36.5/37.0	39.5-41.0/37.0	40.0-41.0/38.0	41.0-42.5/39.0	41.5-43.0/40.0
		Low		23.0-25.5/20.0	23.0-25.5/21.0	26.5-28.5/22.0	32.0-34.0/31.0	34.0-35.0/32.5	36.0-38.5/33.0	38.0-39.5/34.5	38.0-40.5/35.0	39.0-41.0/36.5
	Bypass mode	Ultra-High	dB(A)	33.5-34.0/36.0	33.0-34.0/34.5	32.5-33.5/34.5	36.0-37.0/38.5	39.5-40.0/42.0	41.5-42.5/41.0	42.0-43.0/42.5	43.0-44.0/44.0	43.5-44.0/44.5
		High		31.5-33.0/28.5	31.0-32.5/29.0	31.0-32.0/27.5	35.0-36.0/35.0	38.0-38.5/39.0	39.5-41.0/37.0	40.0-41.0/38.0	41.0-42.5/39.0	41.5-43.0/40.0
		Low		23.0-25.5/20.5	23.5-25.5/21.5	27.0-29.0/23.0	32.0-34.0/31.0	35.5-36.5/33.5	36.0-38.5/33.0	38.0-39.5/34.5	38.0-40.5/35.0	39.0-41.0/36.5
Casing				Galvanised steel plate								
Insulation Material				Self-extinguishable polyurethane foam								
Dimensions (H × W × D)			mm	278 × 551 × 810		306 × 800 × 879	338 × 832 × 973		387 × 1,012 × 1,110		785 × 1,012 × 1,110	
Machine Weight			kg	22		31	41	43	63		133	
Heat Exchange System				Specially processed nonflammable paper								
Heat Exchange Element Material				Multidirectional fibrous fleeces								
Fan	Type			Sirocco fan								
	Airflow Rate (50/60 Hz)	Ultra-High	m³/h	150/150	250/250	350/350	500/500	650/650	800/800	1,000/1,000	1,500/1,500	2,000/2,000
		High		150/150	250/250	350/350	500/500	650/650	800/800	1,000/1,000	1,500/1,500	2,000/2,000
		Low		100/80	165/145	275/235	470/420	570/495	720/610	880/835	1,350/1,250	1,650/1,580
	External static pressure (50/60 Hz)	Ultra-High	Pa	125-140/155	115-130/135	170-185/230	165-190/245	185-190/260	210-235/250	205-225/220	195-215/235	190-210/210
		High		100-120/100	80-90/60	145-165/80	140-175/180	140-155/210	170-215/140	155-195/100	150-180/125	140-180/85
		Low		44-80/28	35-75/20	90-102/36	124-155/127	108-119/122	138-174/81	115-150/70	123-146/88	96-123/53
	Motor Output		kW	0.030 × 2		0.060 × 2	0.100 × 2	0.170 × 2	0.190 × 2		0.190 × 4	
Effective ventilation rate		Ultra-High	%	90								
Connection duct diameter		Indoor side	mm	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.

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.

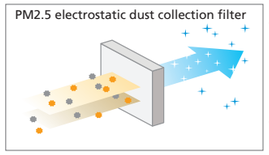
Double-layered efficient filtration

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.



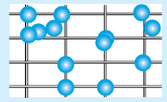
PM2.5 Removal Rate 99%

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

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

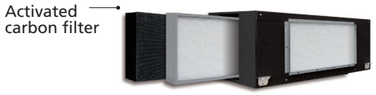
PM2.5 with activated carbon filtration unit (Option) for VAM / VKM series

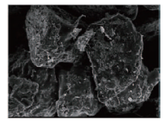
Extra-high performance filter against sulfur oxides and nitrogen oxides

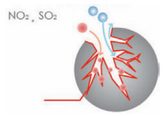
Effective Use of Active Carbon Material to Enlarge the Adsorption Area

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.

Notes: Surface area of active carbon: 700 m²/g / Given a newspaper page of 40.6 cm wide by 54.6 cm long, each gram of active carbon has a surface area of 3,000 newspaper pages.







Intelligent Identification, Super-effective Adhesion

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

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

Specifications

PM2.5 filtration unit

MODEL			BAF249A150	BAF249A300	BAF249A350	BAF249A500	BAF429A20A
Dimensions (H × W × D)		mm	220×603×366	220×603×366	300×623×366	300×623×366	470×971×370
Connection Duct Diameter		mm	ϕ100	ϕ150	ϕ150	ϕ200	580×348
Airflow Rate		m³/h	150	250	350	500	2,100
PM2.5 Filter	Initial Pressure Drop	Pa	34	30	31	42	less than 40
	Filter Lifetime *1		1 year				
	Filtration Efficiency *2		99% or higher				
	Filter Material No. *3		BAF244A300		BAF244A500		BAF424A20A

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

PM2.5 with activated carbon filtration unit

MODEL			BAF249A150C	BAF249A300C	BAF249A350C	BAF249A500C	BAF429A20AC
Dimensions (H × W × D)		mm	220×603×366	220×603×366	300×623×366	300×623×366	470×971×370
Connection Duct Diameter		mm	ϕ100	ϕ150	ϕ150	ϕ200	580×348
Airflow Rate		m³/h	150	250	350	500	2,100
Total Initial Pressure Drop for PM2.5 with Activated Carbon Filtration Unit		Pa	37	35	36	51	less than 50
PM2.5 Filter	Initial Pressure Drop	Pa	34	30	31	42	less than 40
	Filter Lifetime *1		1 year				
	Filtration Efficiency *2		99% or higher				
	Filter Material No. *3		BAF244A300		BAF244A500		BAF424A20A
Activated Carbon Filter	Initial Pressure Drop	Pa	3	5	5	9	less than 10
	Filter Lifetime		1 year				
	Filter Material No. 3		BAF244A300C		BAF244A500C		BAF424A20AC

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

Control Systems

Individual control systems for ***VRV*** systems

■ Stylish remote controller (Option) New

Special Site



White
BRC1H63W



Black
BRC1H63K

A complete redesigned controller focused to enhance user experience

reddot design award

Sleek and stylish design

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



User-friendly interface

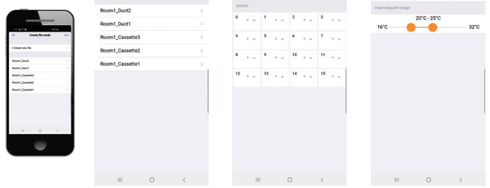
- Just three buttons and a large-figure display
- Customisable display
- Direct access to basic functions (ON/OFF, Operation mode, Temperature setting, Airflow rate, Airflow direction)
- Timer functions (OFF timer, Weekly schedule timer)
- Simple screen for hotel display



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

Keep hotel room comfortable

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



<App screen image>

Shorter installation time

- Easy to create multiple remote control and field settings via App
- Prepare a setting in advance at the office and immediately send it to the on-site remote controller
- Save and reuse settings
- Remote update function (OTA: Over The Air)

■ Navigation remote controller (Wired remote controller) (Option)



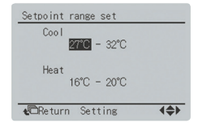
BRC1E63

A series of user friendly functions that can be individually selected

Energy saving

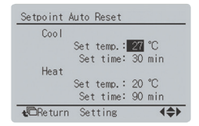
Setpoint range set

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



Setpoint auto reset

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



Off timer

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

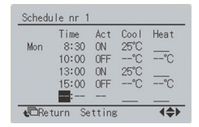
Convenience

Setback (default: OFF)

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

Weekly schedule

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



Auto display off

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

Comfort

Individual airflow direction

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

5-step airflow control

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

Auto airflow rate

- Airflow rate is automatically controlled.

Control Systems

Individual control systems for ***VRV*** systems

■ Simplified remote controller (Option)



BRC2E61

Easy operation with new intuitive design

Simple operation

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

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

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



Intuitive design

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

Compact size

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

■ Wireless remote controller (Option)



BRC-M series



Signal receiver unit (Installed type)

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

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

- Backlight LCD of new wireless remote controller



Pressing the backlight button helps operating in dark rooms.

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



BRC-C, E series



Signal receiver unit (Separate type)

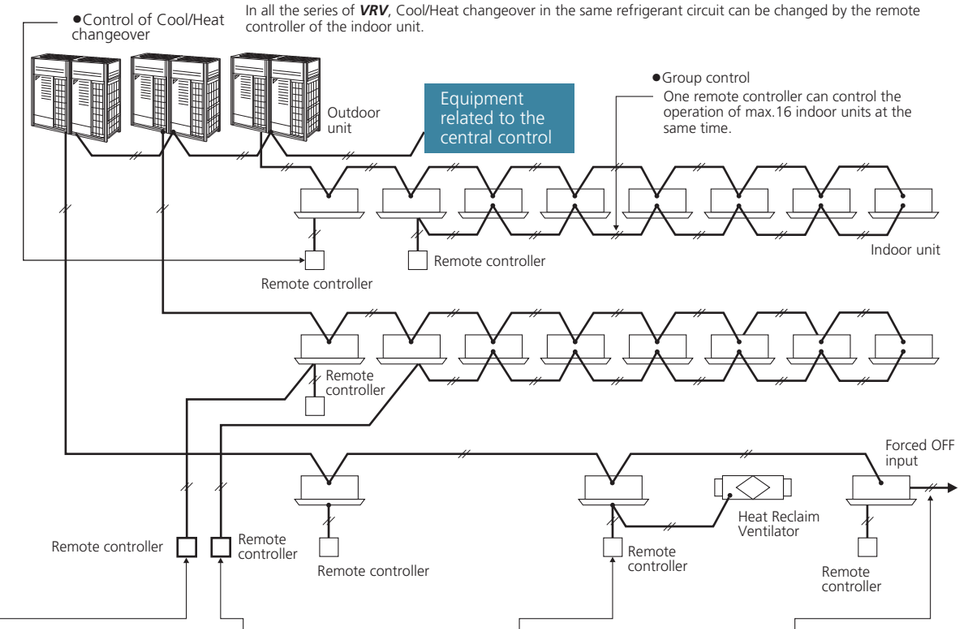
* Wireless remote controller and signal receiver unit are sold as a set except for FXKQ-A series.
* Refer to page 230 for the name of each model.

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

MODEL	FXFTQ	FXFRQ	FXFSQ	FXFQ	FXZQ	FXCQ	FXKQ-A	FXKQ-MA	FXDFQ	FXDBQ	FXDQ	FXSQ	FXMQ	FXHQ	FXAQ	FXL(N)Q	FXVQ	FXB(P)Q
Stylish remote controller (BRC1H63W / BRC1H63K)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Navigation remote controller (BRC1E63)			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Simplified remote controller (BRC2E61)				●	●	●		●	●	●	●	●	●	●	●	●	●	●
Wireless remote controller* (Installed type signal receiver unit)			●	●	●	●	●							●	●			
Wireless remote controller* (Separate type signal receiver unit)								●	●	●	●	●	●			●		●

*Refer to page 230 for the name of each model.

The wired remote controller supports a wide range of control functions



1 Control by two remote controllers

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

2 Remote control

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

3 Control for the combined operation

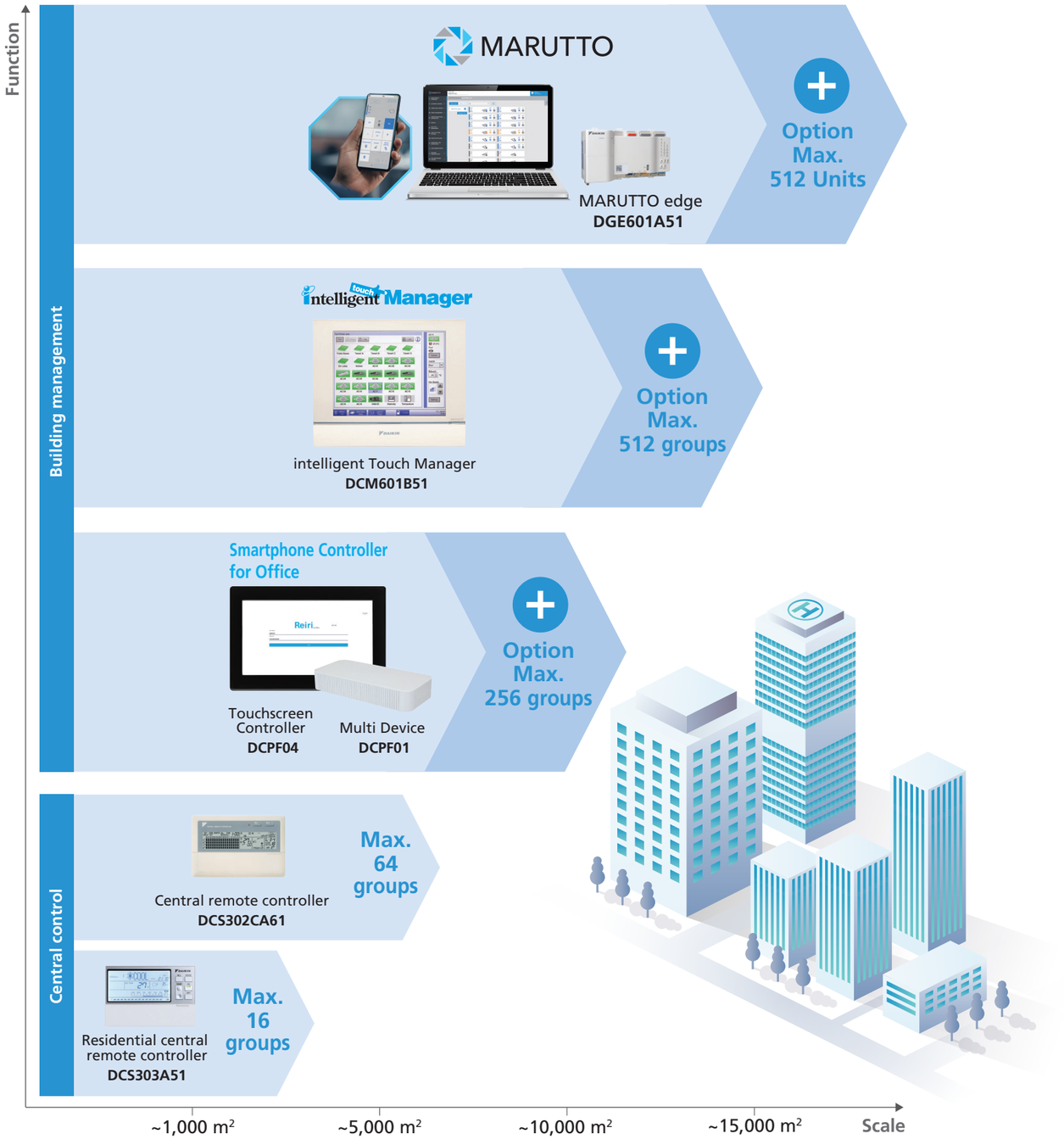
The operation of Heat Reclaim Ventilator can be controlled by the remote controller of the indoor unit. Of course, the remote controller can display the time to clean the filter.

4 Expansion of system control

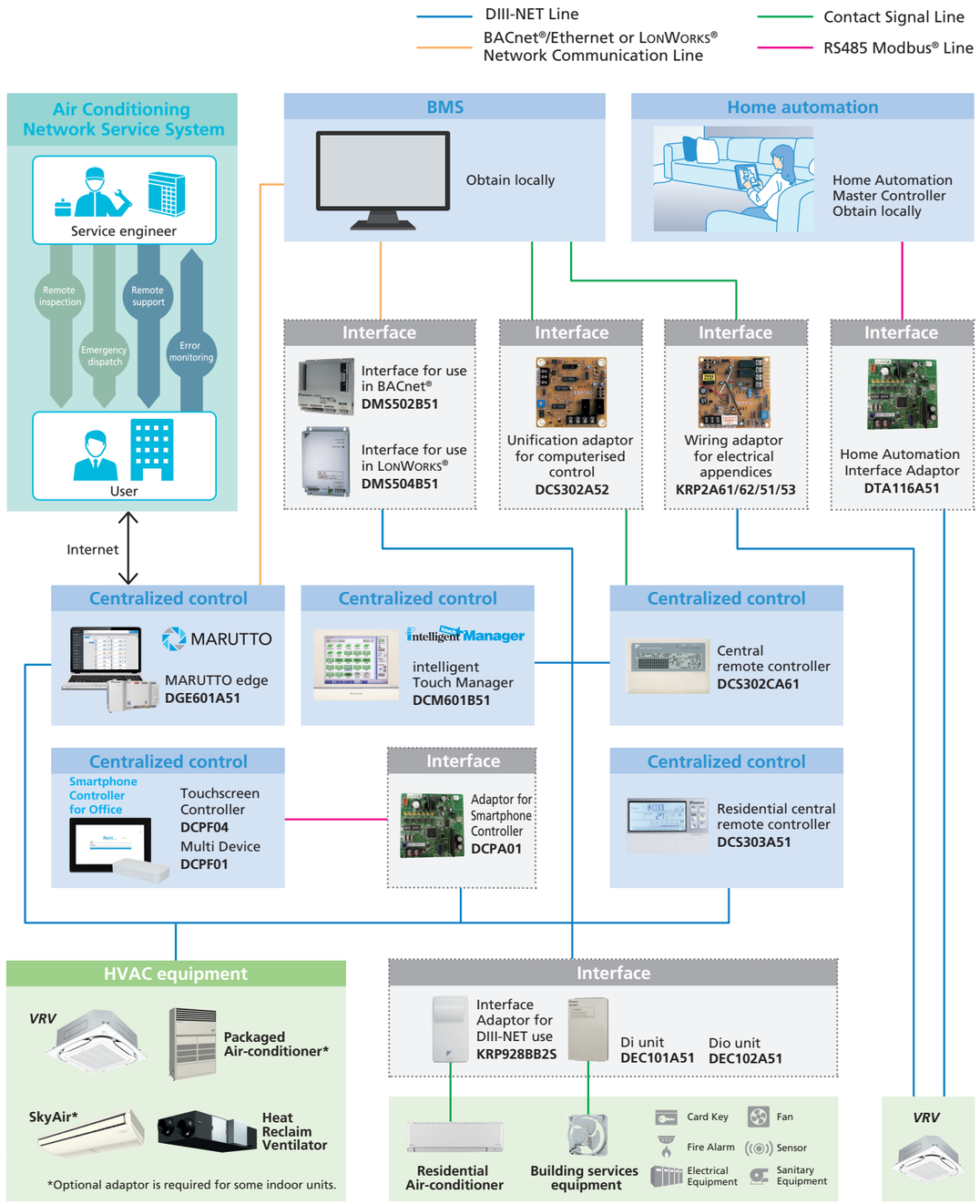
The system can be expanded to add several controllers, such as BMS, Forced OFF input and etc.

Control Systems

Centralized control lineup



Integrated system overview



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

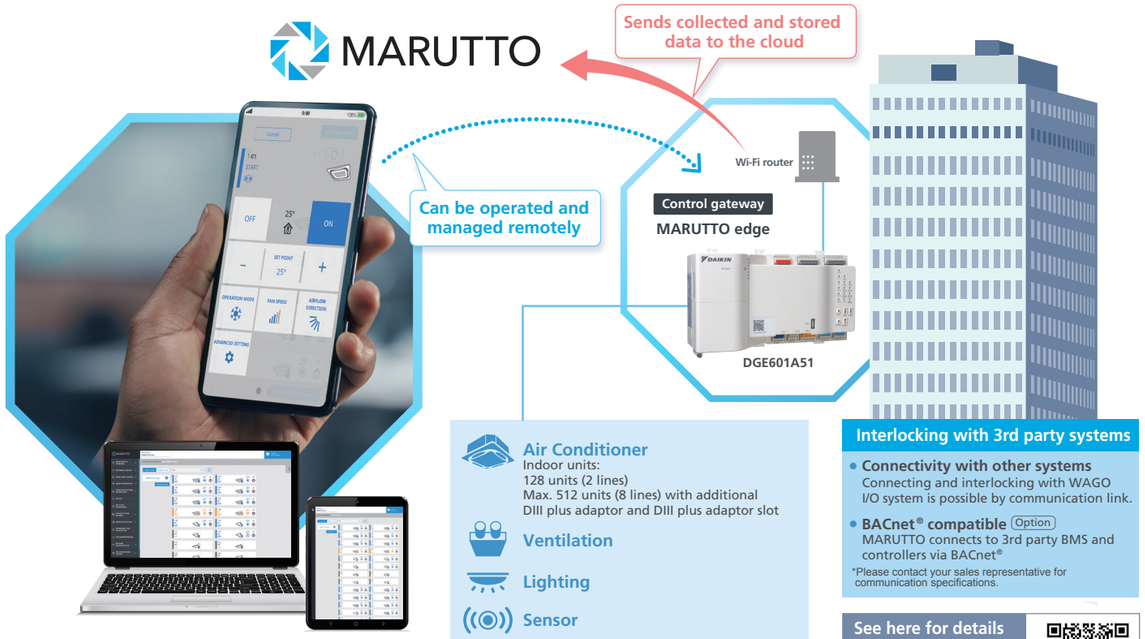
Note: BACnet® is a registered trademark of American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE). LonWorks® is a trademark of Echelon Corporation registered in the United States and other countries. Modbus® is a registered trademark of Schneider Electric S.A.

* Refer to the MARUTTO individual catalogue for details.

Control Systems

New Cloud-based HVAC management service

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



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

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

Ventilation

Lighting

Sensor

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

Interlocking with 3rd party systems

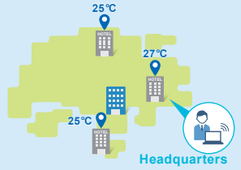
- **Connectivity with other systems**
  Connecting and interlocking with WAGO I/O system is possible by communication link.
- **BACnet® compatible** (Option)
  MARUTTO connects to 3rd party BMS and controllers via BACnet®

*Please contact your sales representative for communication specifications.

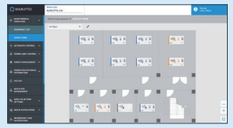
See here for details
Video Overview of MARUTTO Services

Remote monitoring and control

- Multi-Device Support
- Multi-Site Management



- Layout View



- Map View



Optimize energy usage

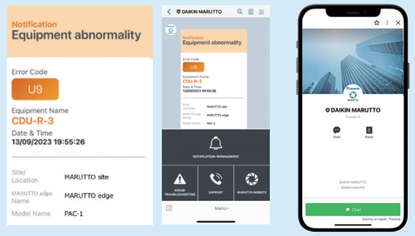
- Energy Visualization
  See page 194
- Demand Control (Option)
  See page 194
- Operation Data Output Function
- PPD Function (Option)
- Energy-Saving Simulation

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)

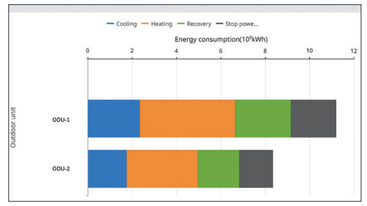
Energy Visualization

Provides graphs of energy consumption to uncover inefficient operation

Energy consumption



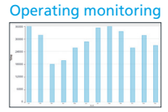
Outdoor unit consumption



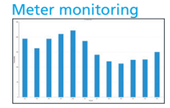
Thermal environment



Operating monitoring



Meter monitoring



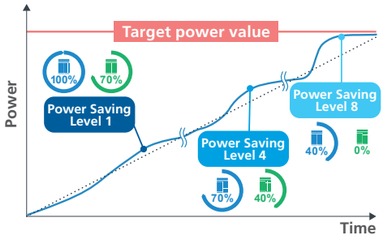
Demand Control (Option)

Reliably cuts power peaks without sacrificing comfort

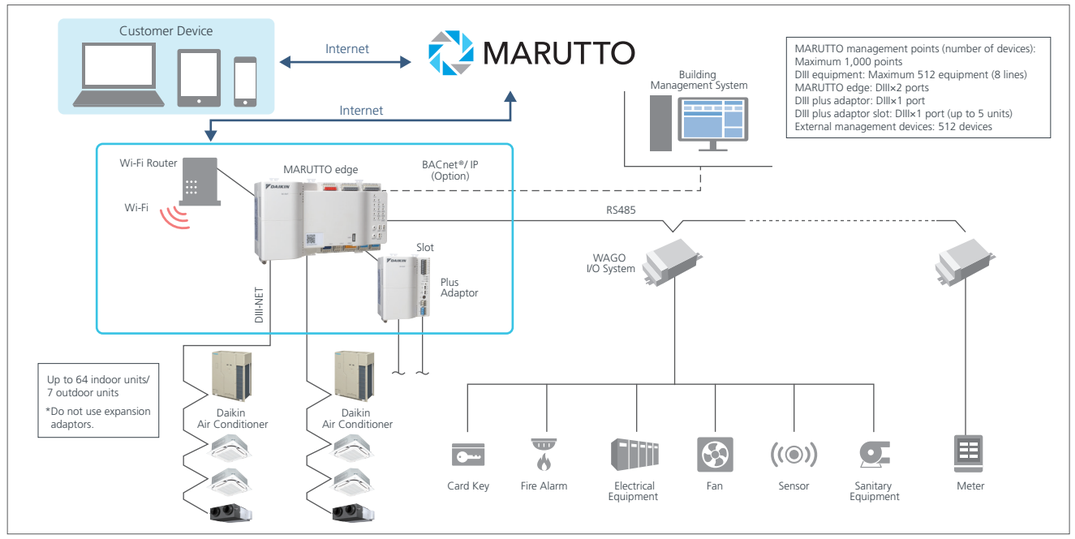
As the power saving level increases, the power consumption reduction effect also increases.

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

Demand control image



MARUTTO System Overview



MARUTTO (standard specifications)

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

Control Systems

Advanced control systems for ***VRV*** systems



intelligent touch Manager

DCM601B51

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

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

Individual air-conditioning control

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

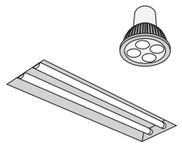




Lighting control DALI-compatible

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



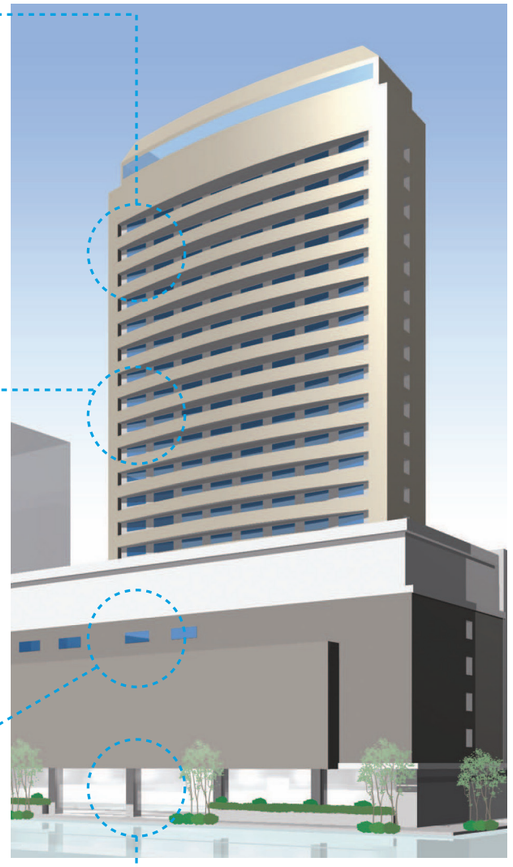


Air-conditioning control for large spaces

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







Building equipment control

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



Pump



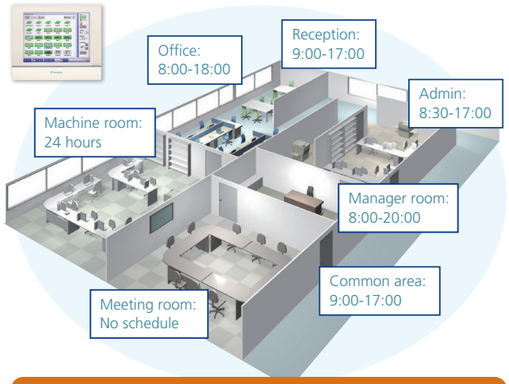
Fan

For energy saving & comfort

intelligent Touch Manager maximises the advantages of ***VRV*** features

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

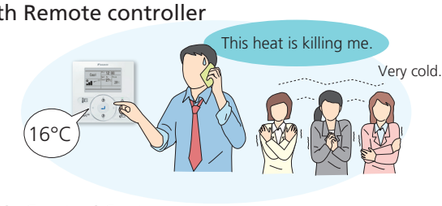
Schedule the operation time for each application.



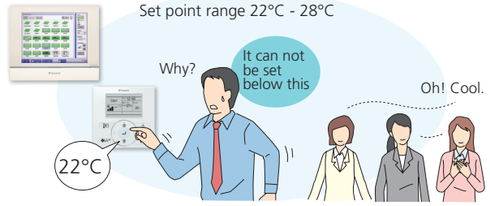
Setting the I-demand function and nighttime quiet operation function is also possible.

Define the setpoint range that users can change.

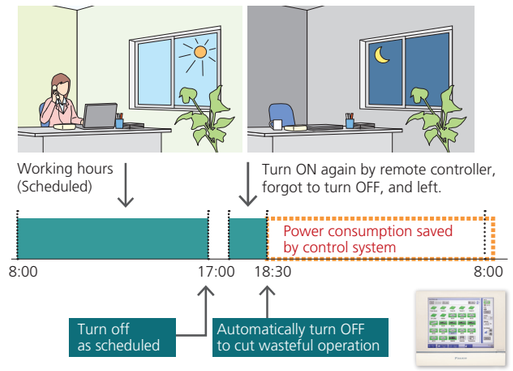
With Remote controller



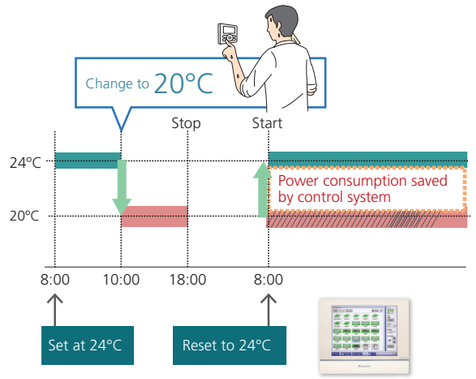
With Control System



Turn the unit OFF if a user didn't.



Reset setpoint regularly.



External contact demand control function

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

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



Control Systems

Lighting control (Option)

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

Connection to DALI-compatible lighting control system

DALI-compatible

Please contact your local sales office for details.

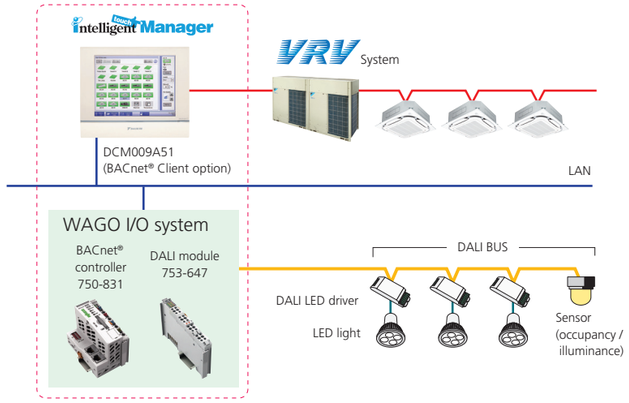
Simple wiring (daisy chain) enables management of LED lighting by the ***intelligent Touch Manager***. Various air conditioning and lighting control is enabled through the interlock with occupancy sensors and illuminance sensors.

Lighting control achieved by the *intelligent Touch Manager*

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

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

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



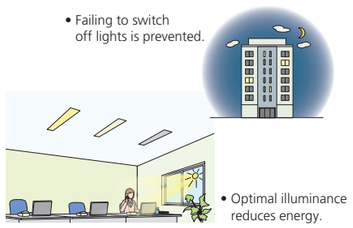
Overview of control

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

Easy maintenance and energy saving by lighting control

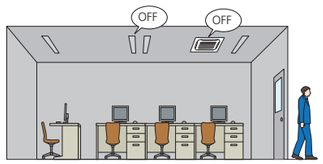
Case 1

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



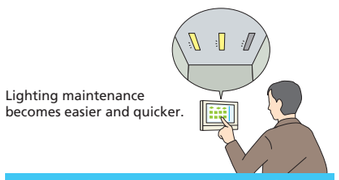
Case 2

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



Case 3

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



The layout screen enables quick identification of specific locations.

Tenant management

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

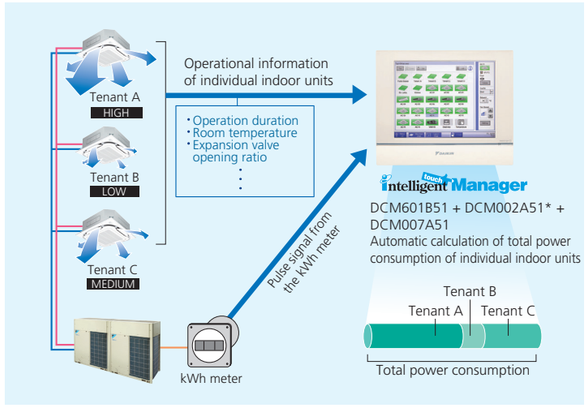
With the PPD function, power consumption can be calculated for each indoor unit (Option)

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

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

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

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



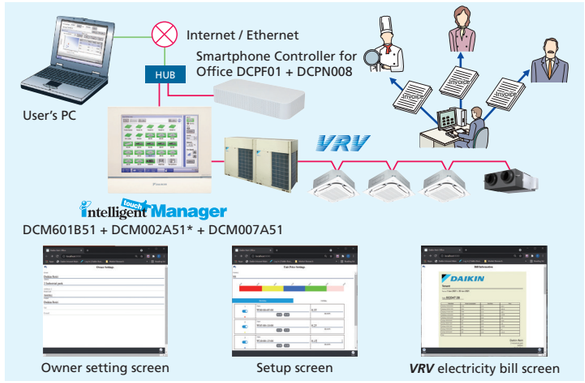
*PPD (Power Proportional Distribution) is Daikin's proprietary calculation method.

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

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

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

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



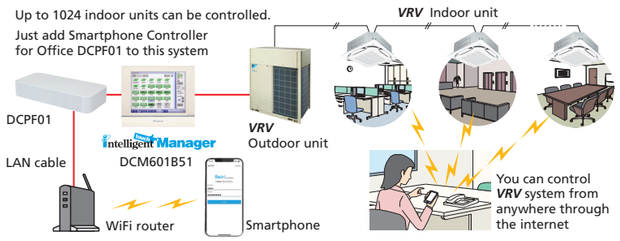
*PPD (Power Proportional Distribution) is Daikin's proprietary calculation method.

Effective service functions offered to tenants

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

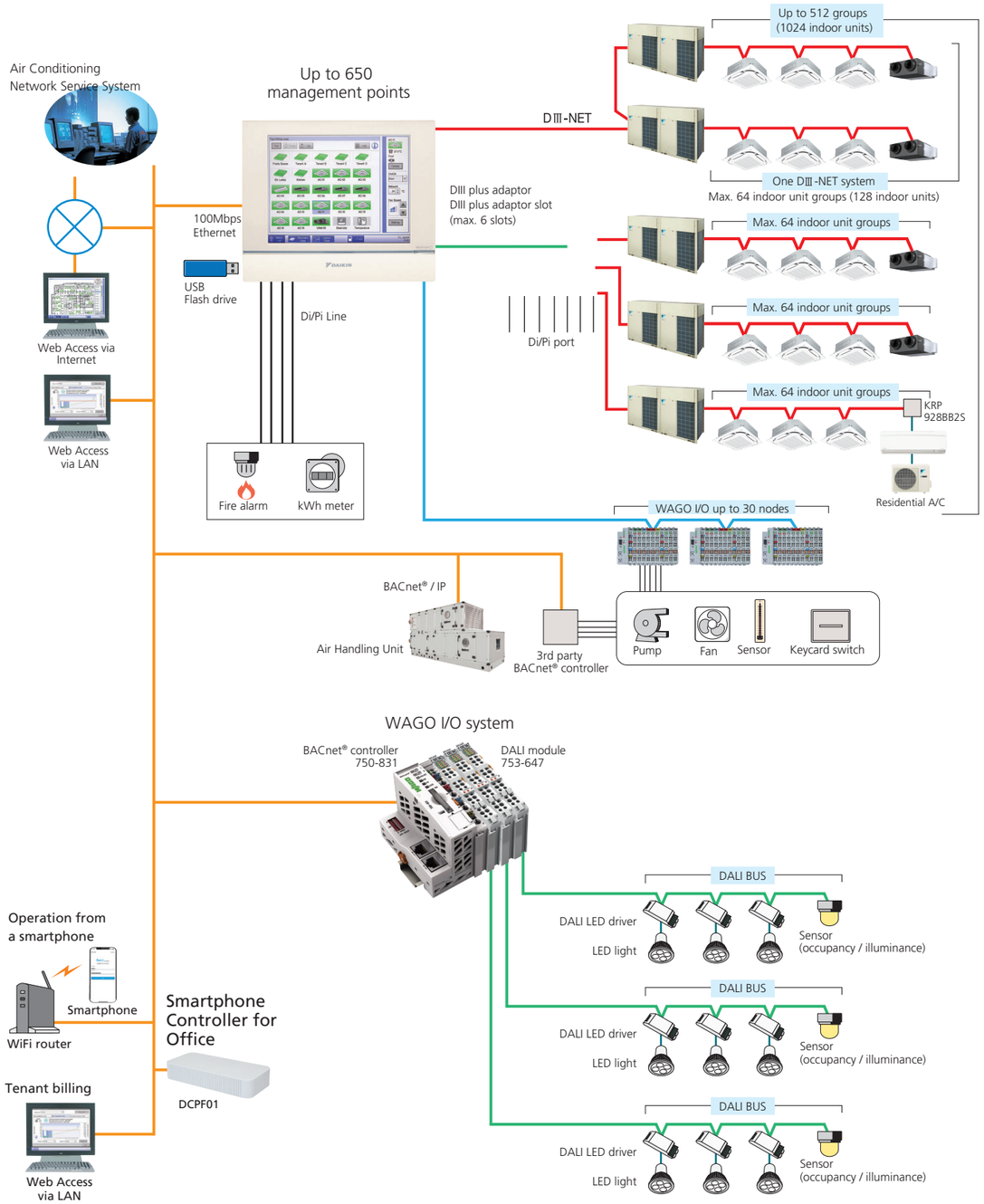
Users can operate and check the status of ***VRV*** system from their smartphones via the internet.
It is not necessary to move where a remote controller is located with this feature.
VRV system in other rooms can be operated, and their status can be checked.
It is also possible to check if air conditioners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

For buildings ***VRV*** Smartphone Remote Controller



Control Systems

intelligent Touch Manager system overview



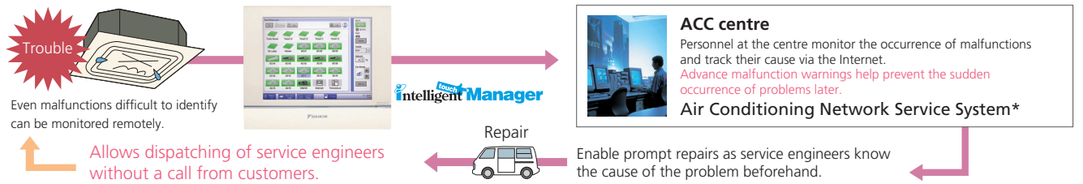
Air conditioning network service system

Preventive maintenance

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

Enhanced convenience with link to the Air Conditioning Network Service System

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



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

Daikin offers a variety of control systems

Convenient controllers that offer more freedom to administrators

Connect *VRV* system to your BMS via BACnet® or LonWorks®

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

Dedicated interfaces make Daikin air conditioners freely compatible with open networks



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

DMS502B51 (Interface for use in BACnet®)



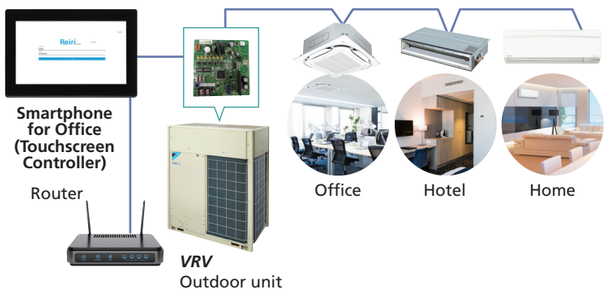
LonWorks®
Facilitating the network integration of ***VRV*** system and LonWorks®

DMS504B51 (Interface for use in LonWorks®)

Notes: 1. BACnet® is a registered trademark of American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE).
2. LonWorks® is a trademark of Echelon Corporation registered in the United States and other countries.

Specialised solution for office, home and hotel with Smartphone Controller Series

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



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



Smartphone Controller for Office (Touchscreen Controller)



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



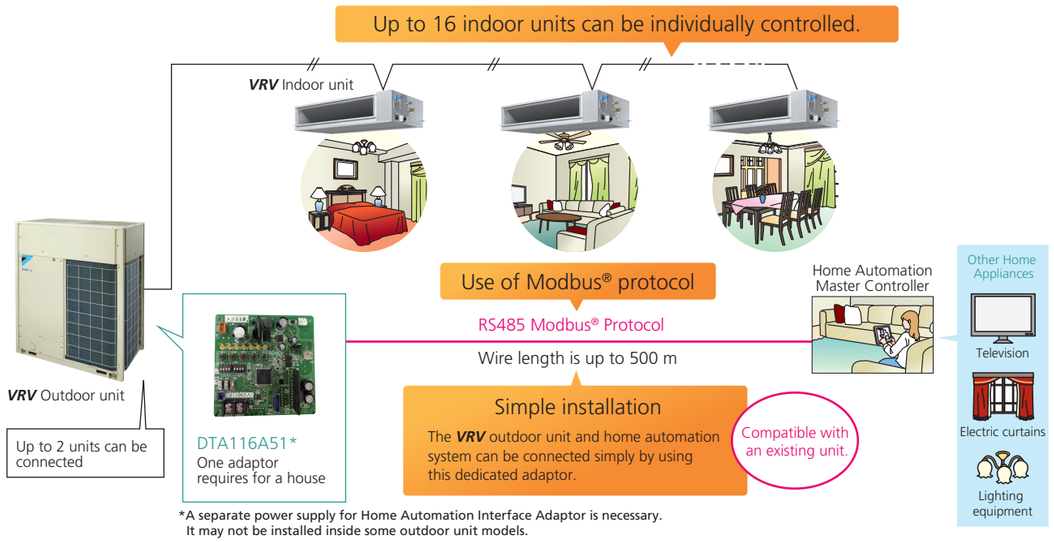
Smartphone Controller
- **for Home** (Lite Version)
- **for Hotel**
- **for Resort**

Control Systems

Home automation interface adaptor

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

Image to use home automation interface adaptor DTA116A51



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

Functions
Monitor

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

Control

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

Retrieve system information

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

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

Complete control system for ***VRV*** systems



Smartphone Controller

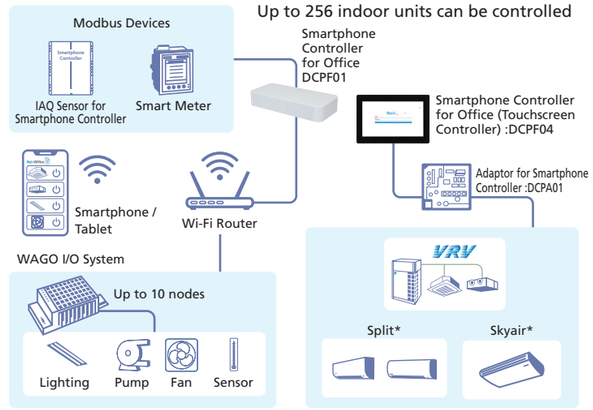
High value smart solution creation for different application

Office Air Conditioning Solution (Smartphone Controller for Office :DCPF01 / Smartphone Controller for Office (Touchscreen Controller) :DCPF04)

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

Intelligent Building Solution

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



*Additional Interface Adaptors may be required.

Specifications

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

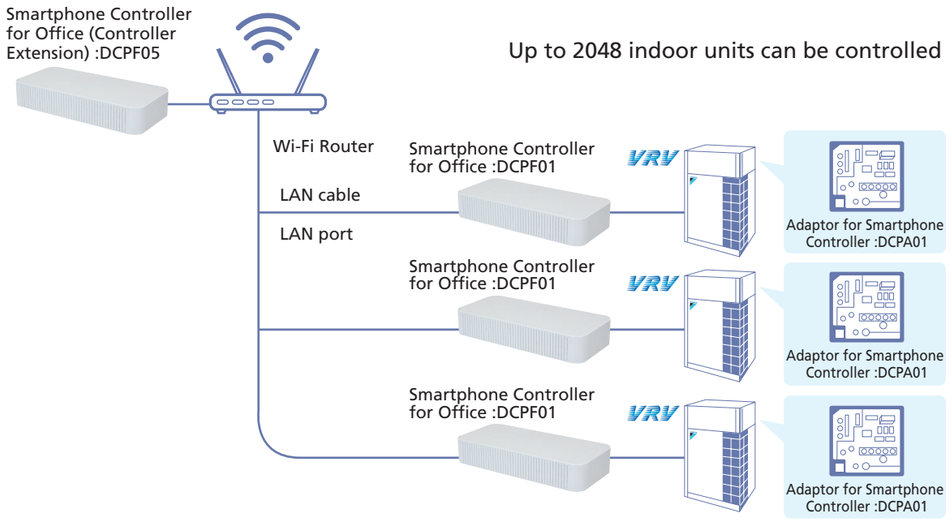
[1] Optional software for Smartphone Controller for Office, DCPF01
[2] Optional software for Smartphone Controller for Office (Touchscreen Controller), DCPF04

Control Systems

Office Expanded Solution (Smartphone Controller for Office (Controller Extension) :DCPF05)

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

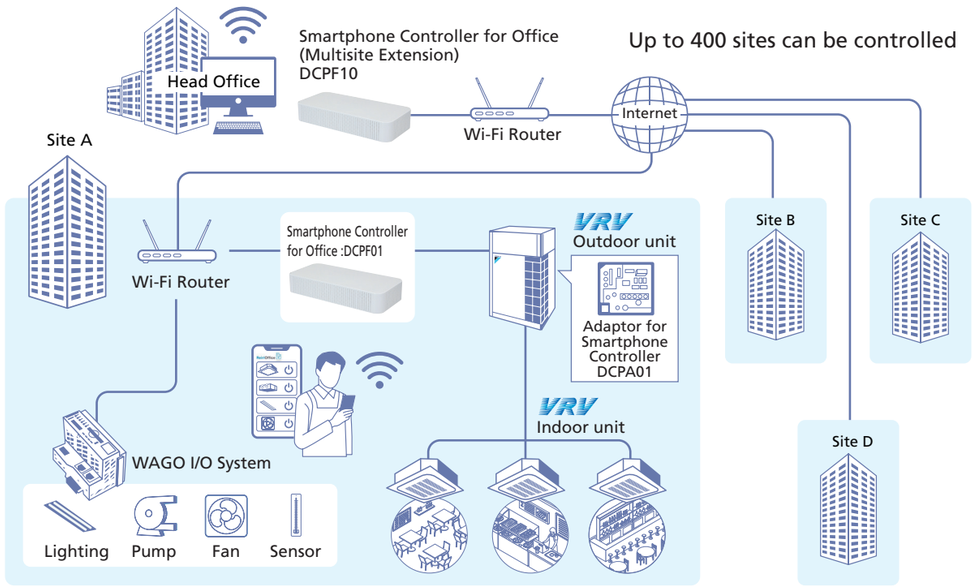
Note: P.P.D. & Tenant Billing Management and Real-Time Energy Monitoring (R.E.M.) are offered as optional software.



Multi Site Management Solution (Smartphone Controller for Office (Multisite Extension) :DCPF10)

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

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



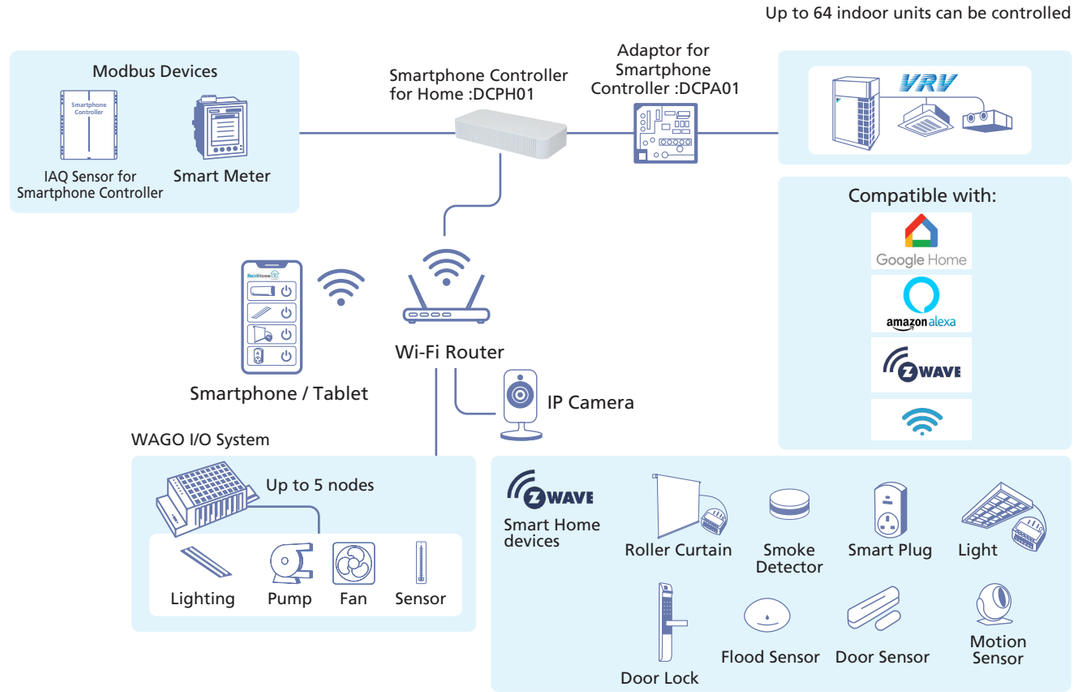
Smart Home Solution (Smartphone Controller for Home :DCPH01)

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

Complete Smart Home Solution

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

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



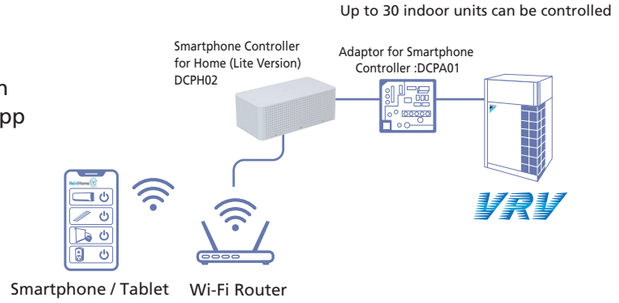
Notes: 1. Google Home and the Google Home logo are trademarks of Google LLC.
2. Amazon, Alexa and all related logos are trademarks of Amazon.com, Inc. or its affiliates.
3. Z-Wave® is a registered trademark of Sigma Designs and its subsidiaries in the United States and other countries.

Control Systems

VRV Smart Centralised Control Solution (Smartphone Controller for Home (Lite Version) :DCPH02)

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

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



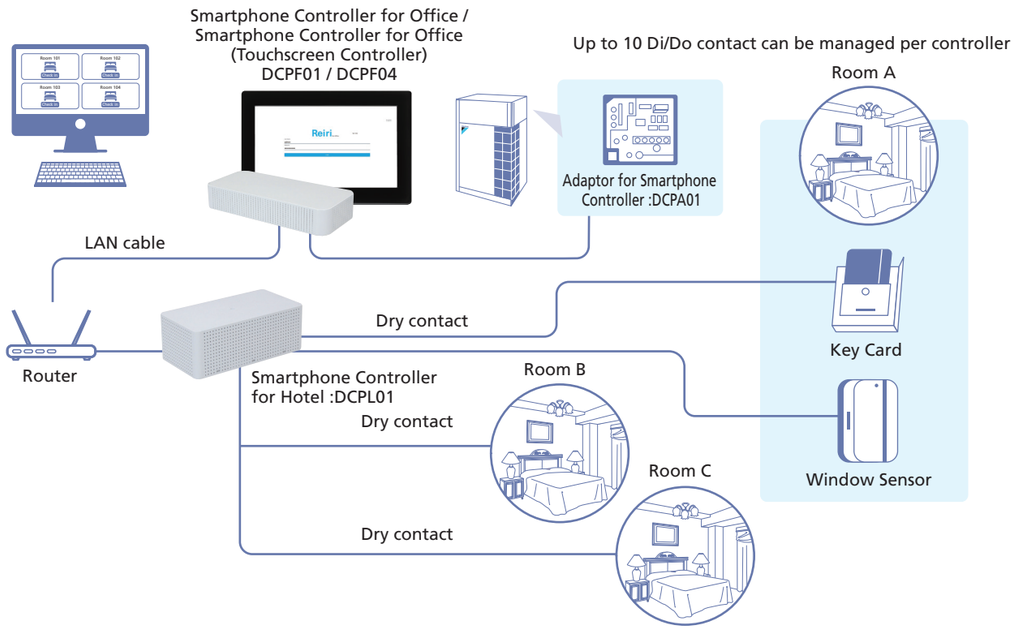
Hotel Air Conditioning Solution (Smartphone Controller for Hotel :DCPL01)

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

Air Conditioning Guestroom Interlocking Management

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

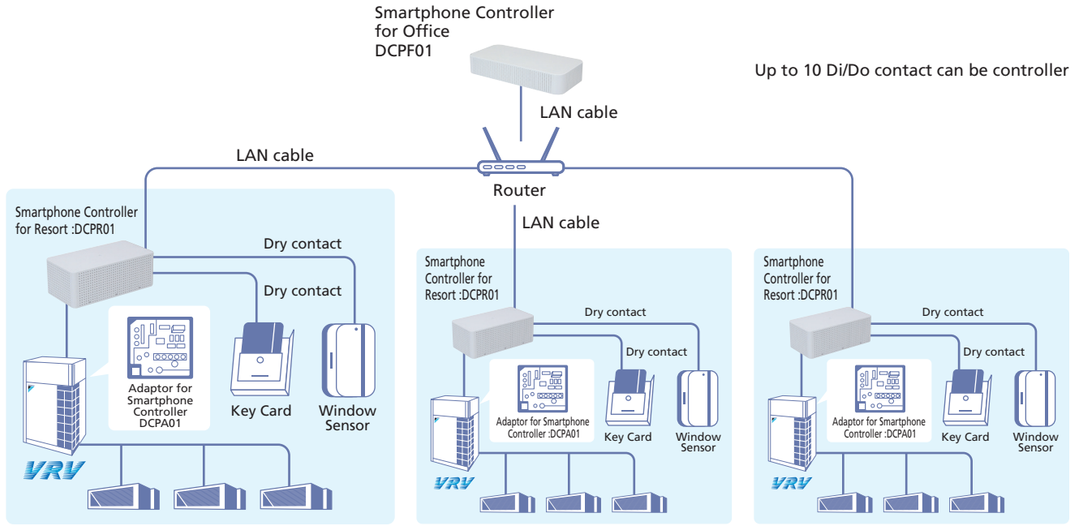
Note: The Smartphone Controller for Hotel controller has to be used with Smartphone Controller for Office / Smartphone Controller for Office (Touchscreen Controller) / Smartphone Controller for Office (Contoroller Extension) controller as building controller.



Villa Air Conditioning Solution (Smartphone Controller for Resort :DCPR01)

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

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



Precision Piping Method

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

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

TIGHTFIT



TIGHTFIT
(Daikin Gas Tight Joint)

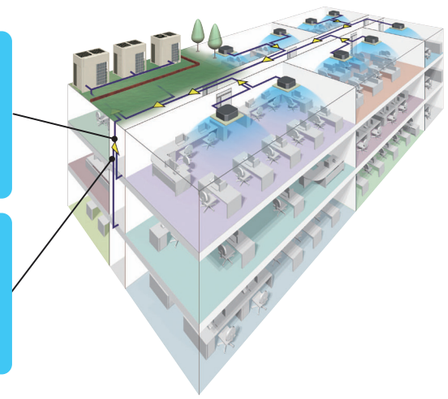
- ✓ Easy installation by tightening with a wrench
- ✓ Metal seal to eliminate gas leaks
- ✓ Function to prevent insufficient nut tightening

Non-Brazed REFNET Joint



Non-Brazed REFNET Joint New

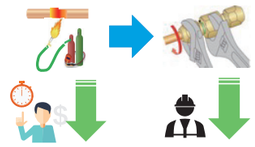
- ✓ Non-Brazed connection
- ✓ Directly connects to Tightfit
- ✓ Insulation material conforms to British Standard fire protection



Innovative problem solving for *VRV* refrigerant piping installation

Shorter installation time

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



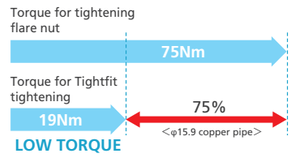
Safety for Fire

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

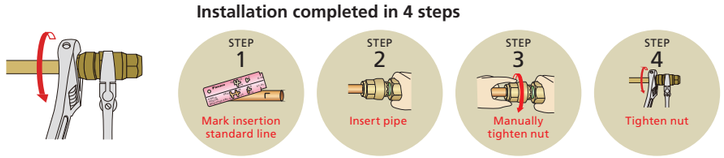


Easy work

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



Installation completed in 4 steps





Easy piping connection for residential installations

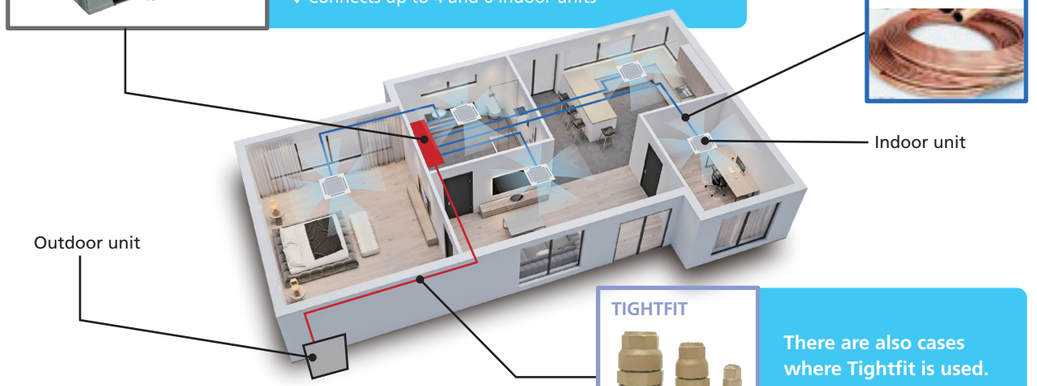
When installing a small-size ***VRV*** in a residential home, we suggest using a header pack to reduce construction and simplify installation. This also eliminates the need for heavy tools.

HEADER PACK

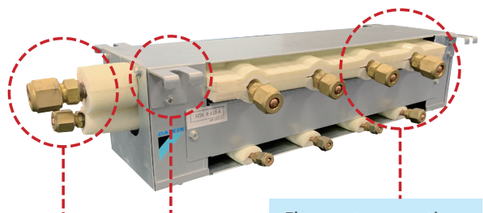


HEADER PACK (Packaged Refnet Headers)

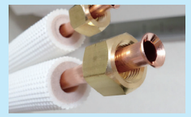
- ✓ Time Saver using Quick Flare Nut Connection
- ✓ Compact design with low height
- ✓ Connects up to 4 and 6 indoor units

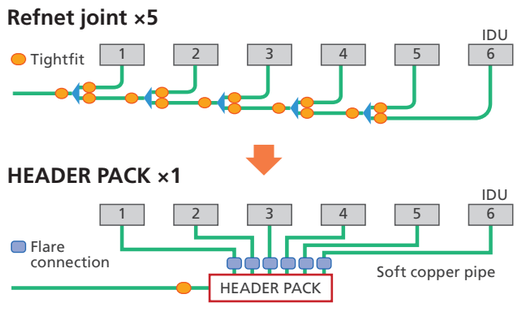


HEADER PACK



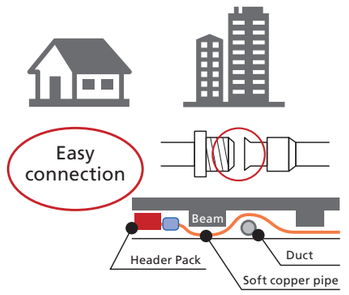
Flare nut connection





Benefits of Header Pack

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



Precision Piping Method

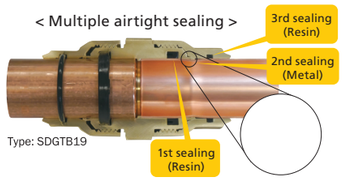
TIGHTFIT (Daikin Gas Tight Joint)

Easy to fit, tight connection

Quality assurance

Conforms to ISO14903

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

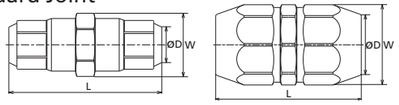


TIGHTFIT full lineup

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

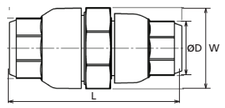
Dimension & weight

Standard Joint



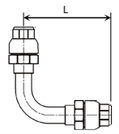
Size	L (mm)	W (mm)	Weight (g)
ø6.35	50.4	15.0	43.0
ø9.52	55.0	19.9	79.0
ø12.70	59.0	23.5	113.0
ø15.88	74.0	30.0	210.0
ø19.05	76.8	34.6	273.0
ø22.22	83.4	40.2	292.0
ø28.58	88.0	46.7	515.0
ø34.92	101.5	51.1	686.0
ø41.28	103.5	58.3	881.0

Asymmetry Joint



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

90° Bend Joint



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

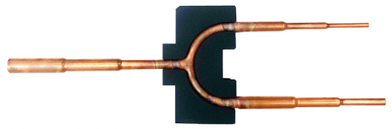
Test Plug

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

New Non-Brazed REFNET Joint

Direct connection to TIGHTFIT

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



※ Insulation included

Lineup

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

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

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

HEADER PACK (Packaged Refnet Headers)

Simple & Quick Installation

HEADER PACK Lineup

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



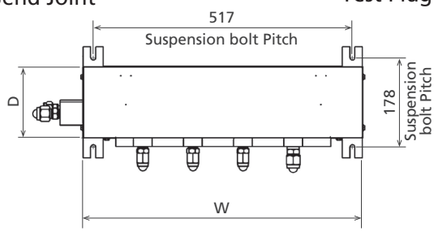
4 port type



6 port type

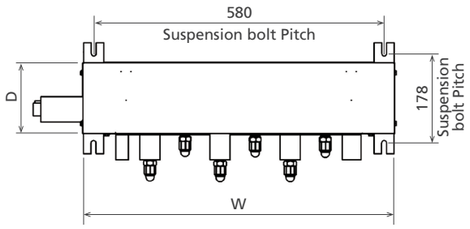
90° Bend Joint

BHF6RHP6Z



Test Plug

BHF6ARHP6Z,BHF8/10/16RHP6Z



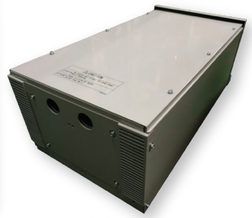
Active Filter Unit

BACF22E5 (Option)
For *VRV* X (MAX) / A (MAX) series

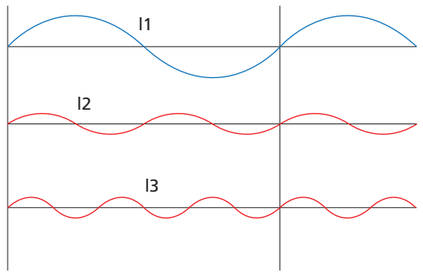
In an electric power system, a harmonic is a voltage or current that is distorted and deviate from sinusoidal waveforms. The distorted waveforms occur from the composition of a frequency that is an integer multiple of the fundamental frequency of the power supply.
Harmonics generated by power semiconductor devices can travel through wires and may have negative effects such as equipment malfunctions and damage, vibrations, strange noises, etc.



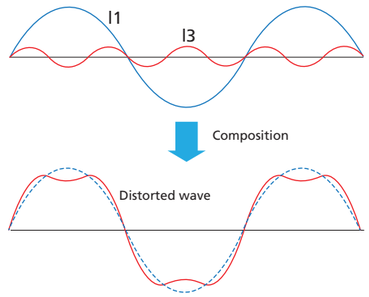
Front view



Side view



(a) Fundamental wave – harmonic wave



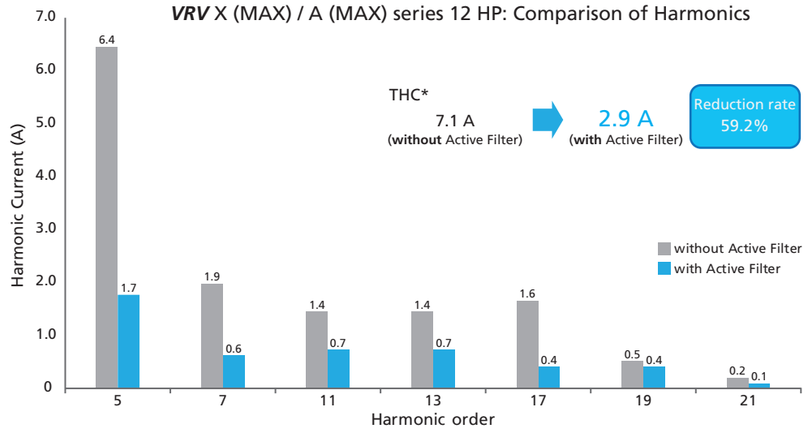
(b) Distorted wave

Specifications

MODEL	BACF22E5	
Power supply	3 ϕ, 380 – 415 V, 50 Hz	
Rated compensation capacity	4.6 kVA	
Installation environment	Outdoors	
System	Cooling	Forced air cooling (built-in fan)
	Inverter	Voltage type
Operation	Load current: Starting 5.5 A or more, stopping 4.0 A or less	
Error display	Displayed on the display board when an error occurs	
Operation characteristics	Harmonic compensation target order: 2nd to 23rd However, the residual rate changes depending on the power supply impedance.	
Dimensions (H×W×D)	723 × 334 × 249 mm	
Weight	22 kg	

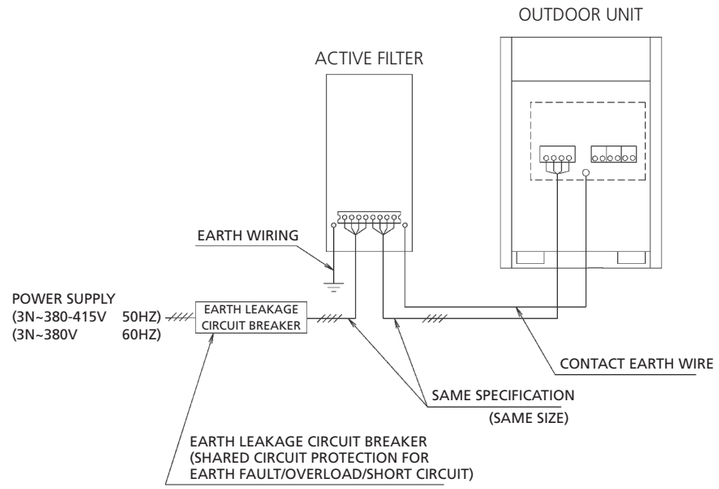
Advantages of Active Filter

Daikin's Active Filter unit can drastically reduce harmonics, preventing damages from harmonics and extending equipment lifespan.



***Total Harmonic Current (THC)** is the accumulated currents of the orders 2 to 23 that contribute to the distortion of the current waveform. This value is particularly useful in determining the required characteristics for installation of modern active harmonic filters.

Field Wiring



* Refer to the Engineering Data Book for details.

Notes