

- Warning** ● Ask a qualified installer or contractor to install this product. Do not try to install the product yourself. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Use only those parts and accessories supplied or specified by Daikin. Ask a qualified installer or contractor to install those parts and accessories. Use of unauthorised parts and accessories or improper installation of parts and accessories can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Read the user's manual carefully before using this product. The user's manual provides important safety instructions and warnings. Be sure to follow these instructions and warnings.
- If you have any enquiries, please contact your local importer, distributor and/or retailer.

Cautions on product corrosion

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

Dealer

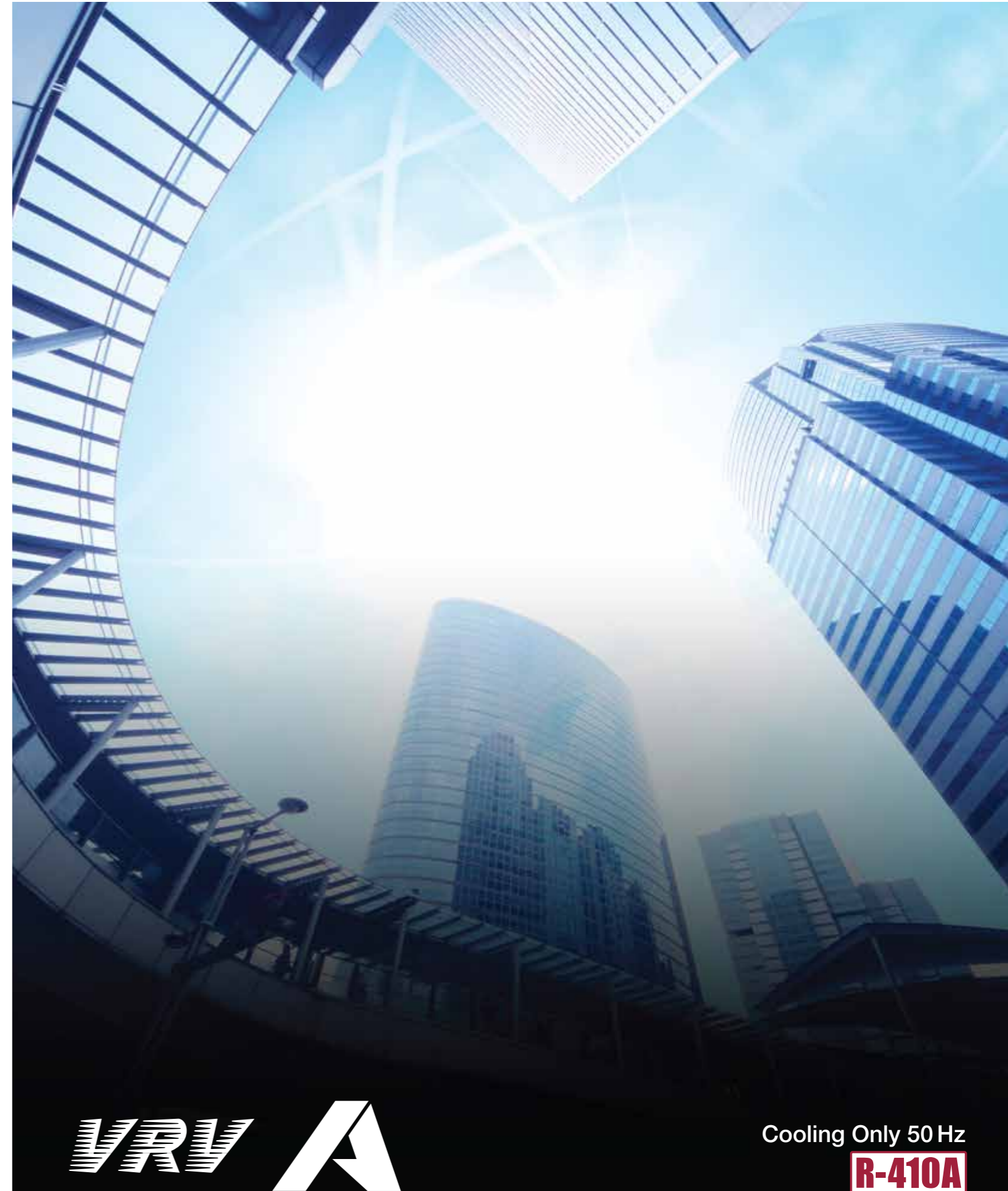
PT. DAIKIN AIRCONDITIONING INDONESIA

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- Daikin Contact Center : 0800 1 081 081 (Toll Free)**

• Specifications, designs and other content appearing in this brochure are current as of May 2019 but subject to change without notice.



Cooling Only 50 Hz

R-410A

Exceeding Boundaries with Innovative Energy Savings



New

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.

Saves Space and Delivers Excellent Performance

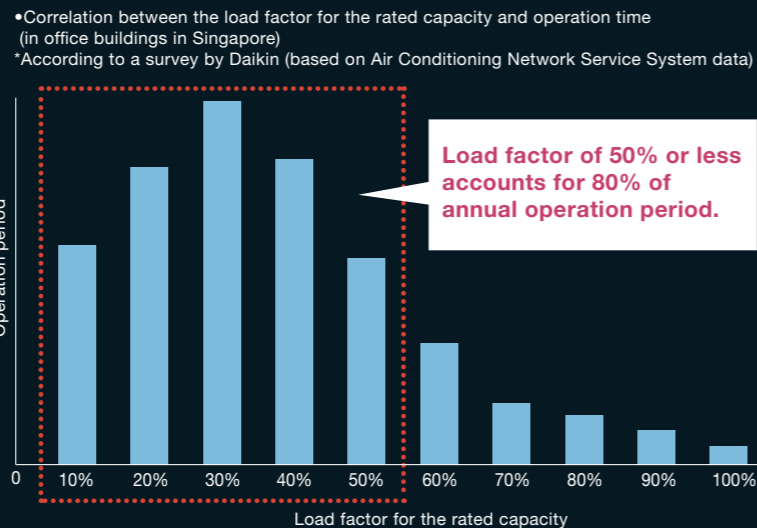


Cooling Only
6 HP - 60 HP
 (16.0 kW) (168 kW)

Greater energy savings during low-load operation

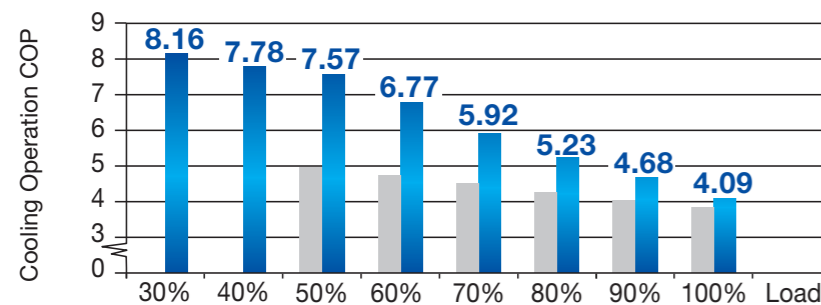
The key to innovative energy savings is to increase efficiency during low-load operation.

Using data gathered from actual operation, Daikin discovered that air conditioning systems operate at a load factor of 50% or less for 80% of their annual operation period. This inspired us to develop new technologies to enhance energy efficiency during low loads. Utilising these technologies, Daikin's new VRV A series raises the standard for energy efficiency.



Higher Coefficient of Performance (COP)

COP 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 : RXQ10AYM (VRV A series)
 Conventional model : RXQ10TY1 (VRV IV)



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

Advanced technologies for greater energy savings

VRV+VRT+VAV

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.

VRT Smart Control (Fully Automatic Energy-saving Refrigerant Control)

Software technology

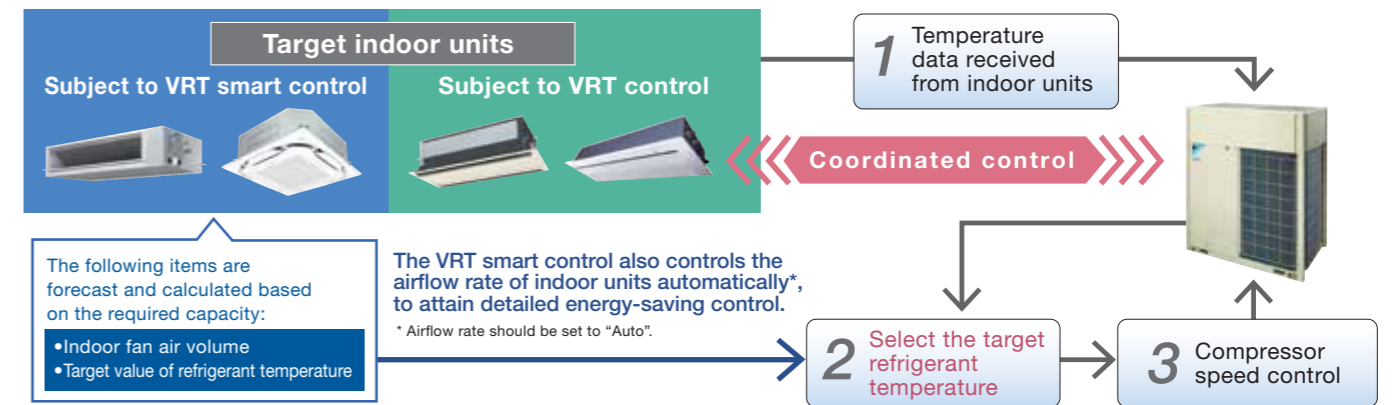
Optimally supply only for the needed capacity of indoor units

Daikin developed VRT smart control by combining air volume control (VAV: Variable Air Volume) for indoor units with conventional VRT control, which optimises compressor speed by calculating the required load for the entire system and optimal target refrigerant temperature based on data sent from each indoor unit. Coordination with the air volume control reduces compressor load and minimises operation loss based on detailed control. VRT smart control ensures energy savings and comfortable air conditioning to meet actual operating conditions.

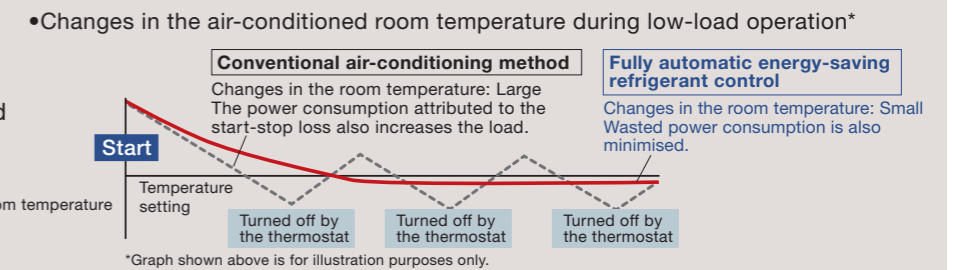


•Overview of the control (system control flow)

Different automatic energy-saving refrigerant control applies depending on the indoor units connected.



The smooth control (which keeps the compressor running) saves energy and ensures comfort during low-load operation.



Note:
 •For the classification of indoor units (VRT smart control and VRT control), refer to page 17-18.
 •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 and outdoor-air processing type indoor units, VRT smart control and VRT control are disabled.

Optimum utilisation of VRT Smart Control and VRT Control

Effectiveness can be demonstrated for VRT Smart Control and VRT Control when all the indoor units operate under low load conditions in a similar manner.

Low load conditions are the time when room temperature approaches set temperature. For this reason, please note the following to maximise efficacy.

•When selecting indoor units

Indoor units are installed in a system so that they operate largely under the same conditions. Energy efficiency decreases for the installation patterns shown below.

Example:

- 1) A load imbalance occurs because an indoor unit in the same system is installed near the perimeter of the room or in the vicinity of a room entrance.
- 2) Different operating hours for indoor units.

•Time of Use

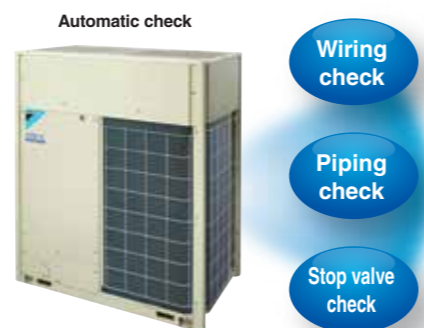
1. Energy efficiency decreases when the set temperature of a specified indoor unit is either excessively lowered during cooling operation.
2. The airflow rate setting is set to "Auto" during VRT Smart Control.

More accurate test operation and stable system

Efficient automatic test operation

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

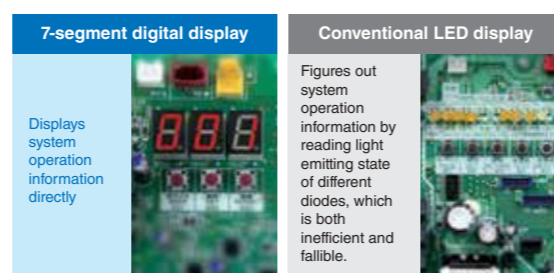
- Automatically checks the wirings between outdoor units and indoor units to confirm whether there is a defective wiring.
- Confirms piping length to optimise operation.
- Automatically checks whether the stop valve in each outdoor unit is in normal status to ensure the smooth operation of air conditioning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



Simplified commissioning and after-sales service

Function of information display by luminous digital tube

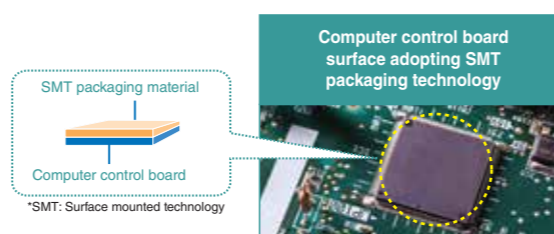
VRV A series utilises 7-segment luminous digital tubes to display system operation information, enabling the operational state to be visually displayed whilst facilitating simplified commissioning and after-sales service.



Advanced control main PC board

SMT* packaging technology

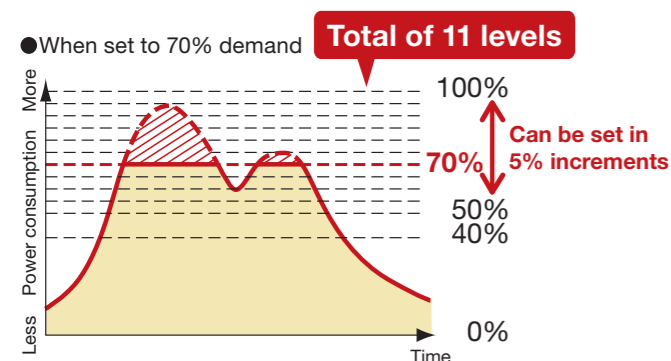
- SMT packaging technology adopted by the whole computer control panel improves the anti-clutter performance.
- Protects your computer boards from the adverse effect of sandy and humid weather.



I-demand function

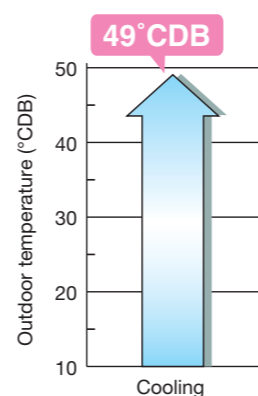
Limit to power consumption can be set precisely to one of 11 levels. Peak power cut-off can be accomplished according to each user situation.

*Set on the circuit board of the outdoor unit.



Wide operation temperature range up to 49°C

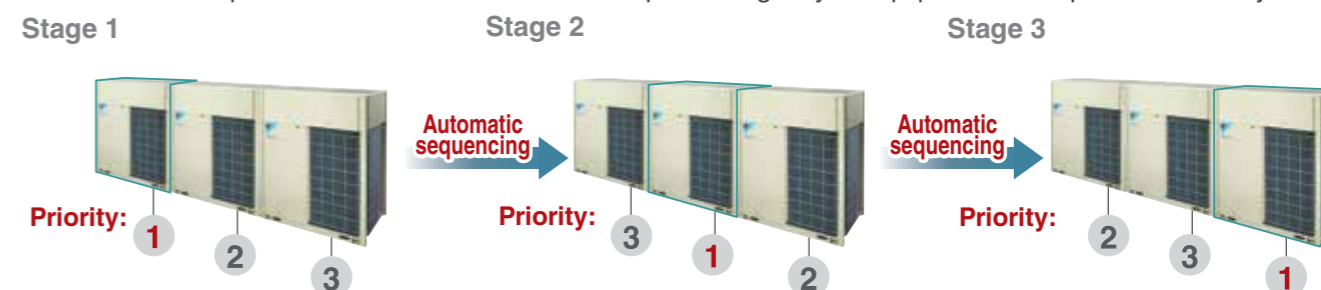
The versatile operation range of the **VRV A** series works to reduce limitations on installation locations. The operation temperature range for cooling can be performed with outdoor temperatures as high as 49°C. This enables reliable operation even under high temperature conditions.



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

Automatic sequencing operation

During start-up, Daikin **VRV A** series outdoor unit sequencing operation will be automatically enabled to ensure balance operation of each outdoor unit to improve longevity of equipment and operation stability.



Double backup operation functions

Daikin **VRV A** series outdoor unit boasts double backup operation functions, which can secure the use of air conditioners in this area to the greatest extent by emergently enabling double backup operation functions even if failure occurs in a set of air conditioning equipment. In the event of a failure, emergency operation can be conveniently enabled to allow the remaining system to operate in a limited fashion.

Unit backup operation function

If one of the unit in a multiple outdoor system malfunctions, the other outdoor units provide emergency operation until repairs can be made.

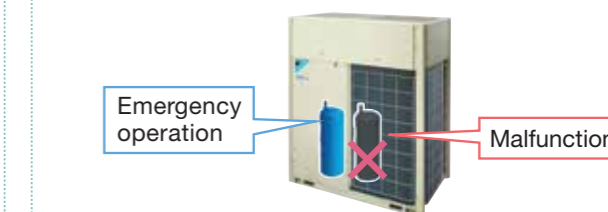
* For systems composed of two or more outdoor units.



Compressor backup operation function

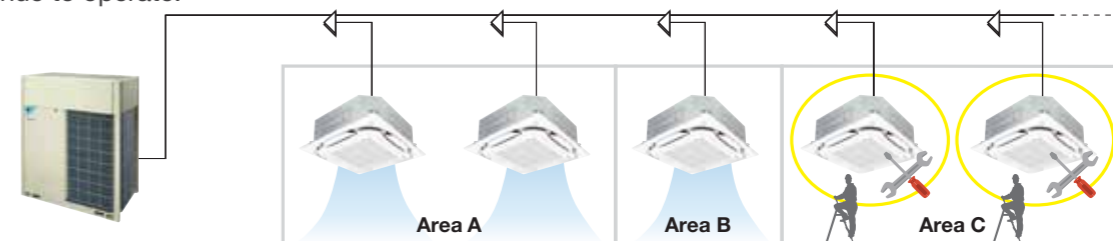
The outdoor unit is equipped with two compressors. Even if one compressor malfunctions, the other compressor provides emergency operation, reducing the risk of air conditioning shutdown due to compressor failure. (The capacity is saved during backup operation.)

* For a single outdoor unit system RXUQ14-20AY14 models. On-site settings are required using the printed circuit board of the outdoor unit.



Ease of Maintenance

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



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

VRV A Series Outdoor Units

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

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

Lineup

CAPACITY (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																				●	●	●	●	●	●	●	●	●	●

MODEL		RXQ6AY14	RXQ8AY14	RXQ10AY14	RXQ12AY14	RXQ14AY14	RXQ16AY14	RXQ18AY14	RXQ20AYM	RXQ18AMY14	RXQ20AMY14	RXQ22AMY14	RXQ24AMY14	RXQ26AMY14	RXQ28AMY14	RXQ30AMY14	
Combination units		—	—	—	—	—	—	—	—	RXQ8AY14	RXQ8AY14	RXQ10AY14	RXQ12AY14	RXQ12AY14	RXQ12AY14	RXQ12AY14	
Power supply		3 phase 4-wire system, 380-415V, 50Hz							3 phase 4-wire system, 380-415V, 50Hz								
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	
Dimensions (HxWxD)	mm	1,657x930x765				1,657x1,240x765			1,657x1,240x765	(1,657x930x765)+(1,657x930x765)				(1,657x930x765)+(1,657x1,240x765)			
Machine weight	kg	175		185			215	260	285	175+185		185+185		185+215	185+260		
Sound level	dB(A)	56		57	59	60		61	65	60	61		62	63			

MODEL		RXQ32AMY14	RXQ34AMY14	RXQ36AMY14	RXQ38AMY14	RXQ40AMY14	RXQ42AMY14	RXQ44AMY14	RXQ46AMY14	RXQ48AMY14	RXQ50AMY14	RXQ52AMY14	RXQ54AMY14	RXQ56AMY14	RXQ58AMY14	RXQ60AMY14
Combination units		RXQ14AY14	RXQ16AY14	RXQ18AY14	RXQ18AY14	RXQ20AY14	RXQ12AY14	RXQ12AY14	RXQ14AY14	RXQ14AY14	RXQ14AY14	RXQ16AY14	RXQ18AY14	RXQ18AY14	RXQ18AY14	RXQ20AY14
Power supply		3 phase 4-wire system, 380-415V, 50Hz							3 phase 4-wire system, 380-415V, 50Hz							
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
Dimensions (HxWxD)	mm	(1,657x1,240x765)+(1,657x1,240x765)				(1,657x930x765)+(1,657x930x765)+(1,657x1,240x765)			(1,657x1,240x765)+(1,657x1,240x765)+(1,657x1,240x765)							
Machine weight	kg	215+260	260+260		260+285	285+285	185+185+260	185+185+285	215+215+260	215+260+260		260+260+260		260+260+285	260+285+285	285+285+285
Sound level	dB(A)	64		66	68	65	67	65		66		68	69	70		

Note: Specifications are based on the following conditions:
 •Cooling: Indoor temp.: 27°DB, 19°WB, Outdoor temp.: 35°DB, Equivalent piping length: 7.5 m, Level difference: 0 m.
 •Sound level: Anechoic chamber conversion value, measured at a point 1 m in front of the unit at a height of 1.5 m.
 During actual operation, these values are normally somewhat higher as a result of ambient conditions.

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

VRV indoor units

Ceiling Mounted Cassette (Round Flow with Sensing) Type
FXFSQ-AV4




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

Ceiling Mounted Cassette (Round Flow) Type
FXFQ-AV4






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

Ceiling Mounted Cassette (Compact Multi Flow) Type
FXZQ-MVE4




Quiet, compact, and designed for user comfort

Ceiling Mounted Cassette (Double Flow) Type
FXCQ-AVM4

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

Ceiling Mounted Cassette Corner Type
FXKQ-MAVE4






Slim design for flexible installation

Slim Ceiling Mounted Duct Type (Standard Series)
FXDQ-PDVE(T)4
FXDQ-NDVE(T)4




Slim design, quietness and static pressure switching

Slim Ceiling Mounted Duct Type (Compact Series)
FXDQ-SPV14

Slim and compact design for easy and flexible installation

Middle Static Pressure Ceiling Mounted Duct Type
FXSQ-PAV4




Middle external static pressure and slim design allow flexible installations

Ceiling Mounted Duct Type
FXMQ-PAV4
FXMQ-MVE4
FXMQ-PVM






High external static pressure allows flexible installations

Outdoor-Air Processing Unit
FXMQ-MFV7




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

Ceiling Suspended Type
FXHQ-MAV7
FXHQ-AVM4

Slim body with quiet and wide airflow

Wall Mounted Type
FXAQ-AVM




Stylish flat panel design harmonised with your interior décor

Floor Standing Type
FXLQ-MAVE4




Concealed Floor Standing Type
FXNQ-MAVE4






Suitable for perimeter zone air conditioning

Floor Standing Duct Type
FXVQ-NY14




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

Clean Room Air Conditioner
FXBQ-PVE4
FXBPQ-PVE4

Suitable for hospitals and other clean spaces

Air Handling Unit
AHUR




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



Residential indoor units with connection to BP units

Slim Ceiling Mounted Duct Type
FDKS-EVMB4
FDKS-CVMB4






Slim and smooth design suits your shallow ceiling

Wall Mounted Type
FTKJ-NVM4W
FTKJ-NVM4S

Elegant appearance with European style

Wall Mounted Type
FTKS-DVM4
FTKS-FVM4

Stylish flat panel harmonises with your interior décor

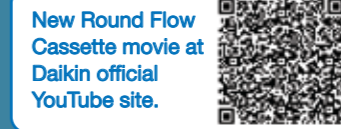
Air treatment equipment

Heat Reclaim Ventilator
VAM-GJ



PM2.5 filtration unit
BAF





Ceiling Mounted Cassette (Round Flow with Sensing) Type

New FXFSQ-A
Round flow with sensing



Ceiling Mounted Cassette (Round Flow) Type

New FXFQ-A
ROUND FLOW



New Wide variety of decoration panels (Option)

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



Decoration Panel Lineup (Option)



Specifications

Ceiling Mounted Cassette (Round Flow with Sensing) Type

MODEL	FXFSQ25AV4	FXFSQ32AV4	FXFSQ40AV4	FXFSQ50AV4	FXFSQ63AV4	FXFSQ80AV4	FXFSQ100AV4	FXFSQ125AV4	FXFSQ140AV4		
Power supply	1-phase, 220-240 V/220-230 V, 50/60 Hz										
Cooling capacity	Btu/h	9,600	12,300	15,400	19,100	24,200	30,700	38,200	47,800	54,600	
	kW	0.028	0.035	0.038	0.061	0.092	0.144	0.170	0.194		
Power consumption	0.028										
Casing	Galvanised steel plate										
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 (HxWxD)	mm	256x840x840						298x840x840			
Machine weight	kg	19			24		22		25		26

Ceiling Mounted Cassette (Round Flow) Type

MODEL	FXFQ25AV4	FXFQ32AV4	FXFQ40AV4	FXFQ50AV4	FXFQ63AV4	FXFQ80AV4	FXFQ100AV4	FXFQ125AV4	FXFQ140AV4	
Power supply	1-phase, 220-240 V/220-230 V, 50/60 Hz									
Cooling capacity	Btu/h	9,600	12,300	15,400	19,100	24,200	30,700	38,200	47,800	54,600
Power consumption	kW	0.029		0.036	0.040	0.063	0.096	0.158	0.178	0.203
Casing	Galvanised steel plate									
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 (HxWxD)	mm	256x840x840						298x840x840		
Machine weight	kg	19			22		25		26	

Note: Specifications are based on the following conditions;

- Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
- Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index. (See Engineering Data Book for details.)
- Sound level: Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre.

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

Ceiling Mounted Cassette (Compact Multi Flow) Type

FXZQ-M

Quiet, compact, and designed for user comfort



Specifications

MODEL	FXZQ20MVE4	FXZQ25MVE4	FXZQ32MVE4	FXZQ40MVE4	FXZQ50MVE4	
Power supply	1-phase, 220-240 V/220 V, 50/60 Hz					
Cooling capacity	Btu/h	7,500	9,600	12,300	15,400	19,100
	kW	2.2	2.8	3.6	4.5	5.6
Power consumption	kW	0.073		0.076	0.089	0.115
Casing	Galvanised steel plate					
Sound level (H/L)	230 V, 50 Hz-240 V, 50 Hz	30/25-32/26		32/26-34/28	36/28-37/29	41/33-42/35
Dimensions (HxWxD)	mm	286x575x575				
Machine weight	kg	18				

Ceiling Mounted Cassette (Double Flow) Type

New FXCQ-AVM4

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



Specifications

MODEL	FXCQ20AVM4	FXCQ25AVM4	FXCQ32AVM4	FXCQ40AVM4	FXCQ50AVM4	FXCQ63AVM4	FXCQ80AVM4	FXCQ125AVM4		
Power supply	1-phase, 220-240 V/220 V, 50/60 Hz									
Cooling capacity	Btu/h	7,500	9,600	12,300	15,400	19,100	24,200	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	0.039	0.041	0.059	0.063	0.090	0.149	
Casing	Galvanised steel plate									
Sound level (H/L)	220 V	dB(A)	32/28	34/29	34/30	36/31	37/31	39/32	42/33	46/38
Dimensions (HxWxD)	mm	305x775x620	305x775x620	305x775x620	305x990x620	305x990x620	305x1,175x620	305x1,445x620	305x1,445x620	
Machine weight	kg	19.0	19.0	19.0	19.0	22.0	25.0	33.0	38.0	

Ceiling Mounted Cassette Corner Type

FXKQ-MA

Slim design for flexible installation



Specifications

MODEL	FXKQ25MAVE4	FXKQ32MAVE4	FXKQ40MAVE4	FXKQ63MAVE4	
Power supply	1-phase, 220-240 V/220 V, 50/60 Hz				
Cooling capacity	Btu/h	9,600	12,300	15,400	24,200
Power consumption	kW	0.066		0.076	0.105
Sound level (H/L)	220 V	38/33		40/34	42/37
	240 V	40/35		42/36	44/39
Dimensions (HxWxD)	mm	215X1,110X710			215X1,310X710
Machine weight	kg	31			34

Note: Specifications are based on the following conditions;

- Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
- Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index. (See Engineering Data Book for details.)
- Sound level: Anechoic chamber conversion value, measured at a point 1 m in front of the unit and 1 m downward.

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

Slim Ceiling Mounted Duct Type (Standard Series) New FXDQ-PD / ND

Slim design, quietness and static pressure switching



Specifications

MODEL	with drain pump	FXDQ20PDVE4	FXDQ25PDVE4	FXDQ32PDVE4	FXDQ40NDVE4	FXDQ50NDVE4	FXDQ63NDVE4
	without drain pump	FXDQ20PDVET4	FXDQ25PDVET4	FXDQ32PDVET4	FXDQ40NDVET4	FXDQ50NDVET4	FXDQ63NDVET4
Power supply	1-phase, 220-240 V/220 V, 50/60 Hz						
Cooling capacity	Btu/h	7,500	9,600	12,300	15,400	19,100	24,200
Power consumption	kW	0.086	0.086	0.089	0.160	0.165	0.181
Power consumption (FXDQ-PDVE) *1	kW	0.067	0.067	0.070	0.147	0.152	0.168
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 (HxWxD)	mm	200x700x620	200x700x620	200x700x620	200x900x620	200x900x620	200x1,100x620
Machine weight	kg	23	23	23	27	28	31

Note: Specifications are based on the following conditions:
 •Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
 •Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index. (See Engineering Data Book for details.)
 •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 Ceiling Mounted Duct Type (Compact Series) 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
Power consumption *1	kW	0.072	0.075	0.078	0.180	0.196
Airflow rate (HH/H/L)	m³/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	
	cfm	307/268/229	318/282/247	353/318/282	530/459/371	
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 (HxWxD)	mm	200x700x450			200x900x450	200x1,100x450
Machine weight	kg	17			20	23

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

Ceiling Mounted Duct Type

FXMQ-PA / MA / P

Middle and high static pressure allows for flexible duct design



Specifications

MODEL	FXMQ20PAV4	FXMQ25PAV4	FXMQ32PAV4	FXMQ40PAV4	FXMQ50PAV4
Power supply	1-phase, 220-240 V/220 V, 50/60 Hz				
Cooling capacity	Btu/h	7,500	9,600	12,300	15,400
Power consumption	kW	0.056*1	0.056*1	0.060*1	0.151*1
Airflow rate (HH/H/L)	m³/min	9/7.5/6.5	9/7.5/6.5	9.5/8/7	16/13/11
	cfm	318/265/230	318/265/230	335/282/247	565/459/388
External static pressure	Pa	30-100 (50)*2		30-100 (50)*2	30-160 (100)*2
Sound level (HH/H/L)	dB(A)	33/31/29		34/32/30	39/37/35
Dimensions (HxWxD)	mm	300x550x700		300x550x700	300x700x700
Machine weight	kg	25		25	27

MODEL	FXMQ63PAV4	FXMQ80PAV4	FXMQ100PAV4	FXMQ125PAV4	FXMQ140PAV4
Power supply	1-phase, 220-240 V/220 V, 50/60 Hz				
Cooling capacity	Btu/h	24,200	30,700	38,200	47,800
Power consumption	kW	0.138*1	0.185*1	0.215*1	0.284*1
Airflow rate (HH/H/L)	m³/min	19.5/17.5/16	25/22.5/20	32/27/23	39/33/28
	cfm	688/618/565	883/794/706	1,130/953/812	1,377/1,165/988
External static pressure	Pa	50-200 (100)*2		50-200 (100)*2	50-200 (100)*2
Sound level (HH/H/L)	dB(A)	42/40/38	43/41/39	43/41/39	44/42/40
Dimensions (HxWxD)	mm	300x1,000x700		300x1,000x700	300x1,400x700
Machine weight	kg	35		45	46

Note: Specifications are based on the following conditions:
 •Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
 •Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index. (See Engineering Data Book for details.)
 •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 standard static pressure is 50 Pa for FXMQ20-32PA and 100 Pa for FXMQ40-140PA.

High static pressure allows for flexible duct design



FXMQ200-250PVM4

Specifications

MODEL	FXMQ200MAV4	FXMQ250MAV4	FXMQ200PVM	FXMQ250PVM
Power supply	1-phase, 220-240 V/220 V, 50/60 Hz			
Cooling capacity	Btu/h	76,400	95,500	76,400
Power consumption	kW	1.294*1	1.465*1	0.55*1
Airflow rate (H/L)	m³/min	58/50	72/62	61/50
	cfm	2,047/1,765	2,542/2,189	2,153/1,765
External static pressure	Pa	132-221*2	191-270*2	50-250 (150)*2
* Sound level (H/L)	220 V	48/45	48/45	38/35
	240 V	49/46	49/46	-
Dimensions (HxWxD)	mm	470x1,380x1,100		470x1,490x1,100
Machine weight	kg	137		105

Note: Specifications are based on the following conditions:
 •Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
 •Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index. (See Engineering Data Book for details.)
 •Sound level: (FXMQ-MA) Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre.
 During actual operation, these values are normally somewhat higher as a result of ambient conditions.
 1: Power consumption values are based on conditions of standard external static pressure.
 2: External static pressure is changeable to change over the connectors inside electrical box, this pressure means "Standard-High static pressure".

Middle Static Pressure Ceiling Mounted Duct Type

New FXSQ-PA

Middle external static pressure and slim design allow flexible installations



Specifications

MODEL		FXSQ20PAV4	FXSQ25PAV4	FXSQ32PAV4	FXSQ40PAV4	FXSQ50PAV4
Power supply		1-phase, 220-240 V/220 V, 50/60 Hz				
Cooling capacity	Btu/h	7,500	9,600	12,300	15,400	19,100
Power consumption	kW	0.058 *1	0.058 *1	0.066 *1	0.101 *1	0.075 *1
Airflow rate (H/M/L)	m ³ /min	9/7.5/6.5	9/7.5/6.5	9.5/8/7	15/12.5/10.5	17/14.5/11.5
	cfm	318/265/230	318/265/230	335/282/247	530/441/371	600/512/406
External static pressure	Pa	30-150 (50) *2				
Sound level (H/M/L)	dB(A)	33/30/28		34/32/30	36/33/30	34/32/29
Dimensions (HxWxD)	mm	245x550x800		245x700x800		245x1,000x800
Machine weight	kg	25		27		35

MODEL		FXSQ63PAV4	FXSQ80PAV4	FXSQ100PAV4	FXSQ125PAV4	FXSQ140PAV4
Power supply		1-phase, 220-240 V/220 V, 50/60 Hz				
Cooling capacity	Btu/h	24,200	30,700	38,200	47,800	54,600
Power consumption	kW	0.106 *1	0.126 *1	0.151 *1	0.206 *1	0.222 *1
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				
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 (HxWxD)	mm	245x1,000x800		245x1,400x800		245x1,550x800
Machine weight	kg	35	37	46	47	52

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

Ceiling Suspended Type

FXHQ-MA / A

Slim body with quiet and wide airflow



Specifications

MODEL		FXHQ32MAV7	FXHQ63MAV7	FXHQ100MAV7	FXHQ125AVM4	FXHQ140AVM4
Power supply		1-phase, 220-240 V/220 V, 50/60 Hz				
Cooling capacity	Btu/h	12,300	24,200	38,200	48,000	52,900
Power consumption	kW	0.111	0.115	0.135	0.168	0.181
Airflow rate (H/L)	m ³ /min	12/10	17.5/14	25/19.5	34/20	36/20
	cfm	424/353	618/494	883/688	1,200/706	1,271/706
Sound level (H/L)	dB(A)	36/31	39/34	45/37	46/37	48/37
Dimensions (HxWxD)	mm	195x960x680	195x1,160x680	195x1,400x680	235x1,590x690	235x1,590x690
Machine weight	kg	24.0	28.0	33.0	39.0	

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

Wall Mounted Type

New FXAQ-AVM

Stylish flat panel design harmonised with your interior décor



Specifications

MODEL		FXAQ20AVM(4)(S)	FXAQ25AVM(4)(S)	FXAQ32AVM(4)(S)	FXAQ40AVM(4)(S)	FXAQ50AVM(4)(S)	FXAQ63AVM(4)(S)
Power supply		VM: 1-phase, 220-240 V/220-230 V, 50/60 Hz VM4, VMS: 1-phase, 220 V, 50 Hz					
Cooling capacity	Btu/h	7,500	9,600	12,300	15,400	19,100	24,200
Power consumption	kW	0.040					
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 (HxWxD)	mm	290x795x266			290x1,050x269		
Machine weight	kg	12.0			15.0		

Note: Specifications are based on the following conditions;
 •Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
 •Heating: Indoor temp.: 20°CDB, Outdoor temp.: 7°CDB, 6°CWB, Equivalent piping length: 7.5 m, Level difference: 0 m.
 •Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index. (See Engineering Data Book for details.)
 •Sound level: Anechoic chamber conversion value, measured at a point 1 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.

4-way Flow Ceiling Suspended Type

FXUQ-A

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



Specifications

MODEL		FXUQ71AVEB	FXUQ100AVEB
Power supply		1-phase, 220-240 V/220-230 V, 50/60 Hz	
Cooling capacity	Btu/h	27,300	38,200
Power consumption	kW	0.090	0.200
Airflow rate (H/M/L)	m ³ /min	22.5/19.5/16	31/26/21
	cfm	794/688/565	1,094/918/741
Sound level (H/M/L)	dB(A)	40/38/36	47/44/40
Dimensions (HxWxD)	mm	198x950x950	
Machine weight	kg	26	27

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

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/220 V, 50/60 Hz					
Cooling capacity	Btu/h	7,500	9,600	12,300	15,400	19,100	24,200
Power consumption	kW	0.049	0.049	0.090	0.090	0.110	0.110
Airflow rate (H/L)	m ³ /min	7/6	7/6	8/6	11/8.5	14/11	16/12
	cfm	247/212	247/212	282/212	388/300	494/388	565/424
Sound level (H/L)	220 V	35/32	35/32	35/32	38/33	39/34	40/35
	240 V	37/34	37/34	37/34	40/35	41/36	42/37
Dimensions (H×W×D)	mm	600×1,000×222	600×1,000×222	600×1,140×222	600×1,140×222	600×1,420×222	600×1,420×222
Machine weight	kg	25.0	25.0	30.0	30.0	36.0	36.0

Note: Specifications are based on the following conditions;

- Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
- Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index. (See Engineering Data Book for details.)
- 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.
Flexible interior design for each tenant.



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	
		0.53	1.33	1.61	3.97	2.62	
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	
Air filter	Type	Long-life filter (anti-mould resin net)					
Fan	Motor output	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	

Note: Specifications are based on the following conditions;

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

*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.

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/220 V, 50/60 Hz					
Cooling capacity	Btu/h	7,500	9,600	12,300	15,400	19,100	24,200
Power consumption	kW	0.049	0.049	0.090	0.090	0.110	0.110
Airflow rate (H/L)	m ³ /min	7/6	7/6	8/6	11/8.5	14/11	16/12
	cfm	247/212	247/212	282/212	388/300	494/388	565/424
Sound level (H/L)	220 V	35/32	35/32	35/32	38/33	39/34	40/35
	240 V	37/34	37/34	37/34	40/35	41/36	42/37
Dimensions (H×W×D)	mm	610×930×220	610×930×220	610×1,070×220	610×1,070×220	610×1,350×220	610×1,350×220
Machine weight	kg	19.0	19.0	23.0	23.0	27.0	27.0

Note: Specifications are based on the following conditions;

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

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	FXBQ40PVE	FXBQ50PVE	FXBQ63PVE	FXBPQ63PVE
	Outlet unit	Integrated with the indoor unit			BAF82A63
Power supply		1-phase, 220-240 V/220 V, 50/60 Hz			
Cooling capacity	Btu/h	15,400	19,100	24,200	24,200
Power consumption	kW	0.31	0.31	0.45	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

Note: Specifications are based on the following conditions;

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

*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.

Indoor Unit Lineup

Slim Ceiling Mounted Duct Type

FDKS-EA/C

Slim and smooth design suits your shallow ceiling



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

Specifications

MODEL	FDKS25EAVMB	FDKS35EAVMB	FDKS25CAVMB	FDKS35CAVMB	FDKS50CVMB	FDKS60CVMB
Power supply	1-phase, 220-240 V/220-230 V, 50/60 Hz					
Airflow rates (H)	8.7 (307)		9.5 (335)		10.0 (353)	
Sound levels (H/L/SL)*	35/31/29		37/33/31		38/34/32	
Fan speed	5 steps, quiet and automatic					
Temperature control	Microcomputer control					
Dimensions (HxWxD)	200x700x620		200x900x620		200x1,100x620	
Machine weight	21		25		30	
External static pressure	30		40			

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

Residential indoor Units with connection to BP units

Wall Mounted Type

FTKS-D/B/F

Stylish flat panel harmonises with your interior décor



FTKS25D / FTKS35D



Standard accessory*



FTKS60F / FTKS71F



Standard accessory*

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

Specifications

MODEL	FTKS25DVM	FTKS35DVM	FTKS60FVM	FTKS71FVM
Power supply	1-phase, 220-240 V/220-230 V, 50/60 Hz			
Front panel colour	White			
Airflow rates (H)	8.7 (307)		8.9 (314)	
Sound levels (H/L/SL)	37/25/22		39/26/23	
Fan speed	5 steps, quiet and automatic			
Dimensions (HXWxD)	283x800x195		290x1,050x238	
Machine weight	9		12	

Wall Mounted Type

FTKJ-N

Elegant appearance with European style



Standard accessory



Specifications

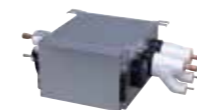
MODEL	FTKJ25NVMW	FTKJ25NVMS	FTKJ35NVMW	FTKJ35NVMS	FTKJ50NVMW	FTKJ50NVMS
Power supply	1-phase, 220-240 V/220-230 V, 50/60 Hz					
Front panel colour	White		Silver		White	
Airflow rates (H)	8.9 (313)		10.9 (385)			
Sound levels (H/L/SL)	38/25/19		45/26/20		46/35/29	
Fan speed	5 steps, quiet and automatic					
Dimensions (HxWxD)	303x998x212					
Machine weight	12					

BP Units for Connection to Residential Indoor Units

Specifications



BPMKS967A3



BPMKS967A2

MODEL	BPMKS967A3	BPMKS967A2			
Power supply	1-phase, 220-240 V/220-230 V, 50/60 Hz				
Number of ports	3 (connectable to 1-3 indoor units)	2 (connectable to 1-2 indoor units)			
Power consumption	10 W				
Running current	0.05 A				
Dimensions (HXWxD)	180X294 (+356*)X350				
Machine weight	8 kg	7.5 kg			
Number of wiring connections	3 for power supply (including earth wiring), 2 for interunit wiring (outdoor unit-BP, BP-BP), 4 for interunit wiring (BP-indoor unit)	2 for power supply (including earth wiring), 2 for interunit wiring (outdoor unit-BP, BP-BP), 3 for interunit wiring (BP-indoor unit)			
Piping connections (Brazing)	Liquid	Main	mm	Ø9.5X1	
		Branch	mm	Ø6.4X3	Ø6.4X2
	Gas	Main	mm	Ø19.1X1	
		Branch	mm	Ø15.9X3	Ø15.9X2
Heat insulation	Both liquid and gas pipes				
Connectable indoor units	2.0 kW class to 7.1 kW class				
Min. rated capacity of connectable indoor units	2.0 kW				
Max. rated capacity of connectable indoor units	20.8 kW	14.2 kW			

Note: * Total auxiliary piping length.

PM2.5 filtration unit

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.

Optional :
Active Carbon Filtration Unit



Air Handling Unit

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

AHUR
Capacity range : 6 – 120 HP



- 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

Air Treatment Equipment

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

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

Individual Control Systems For Vrv Systems

Navigation Remote Controller (Wired remote controller) (Option)



New BRC1E63

This simple, modern designed remote controller with fresh white colour matches your interior design. Operation is much easier and smoother, just follow the indications on the navigation remote controller.



BRC1C62

Displays current airflow, swing, temperature, operating mode and timer settings design. Operation is much easier and smoother, just follow the indications on the navigation remote controller.

* Individual airflow direction, auto airflow rate and sensing sensor control can be set only via wired remote controller BRC1E63. Cannot be set via other remote controllers.

Wireless remote controller (Option)



New BRC7M635F (For FFX(S)Q series)

- 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 FFX(S)Q series.



Signal receiver unit (Installed type)

- Backlight LCD of new wireless remote controller



Pressing the backlight button helps operating in dark rooms.



Wireless remote controller



Signal receiver unit (Separate type)

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

* Wireless remote controller and signal receiver unit are sold as a set.
* Refer to page 189 for the name of each model.

Simplified remote controller (Option)



Exposed type (BRC2C51)



Concealed type (For hotel use) (BRC3A61)

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

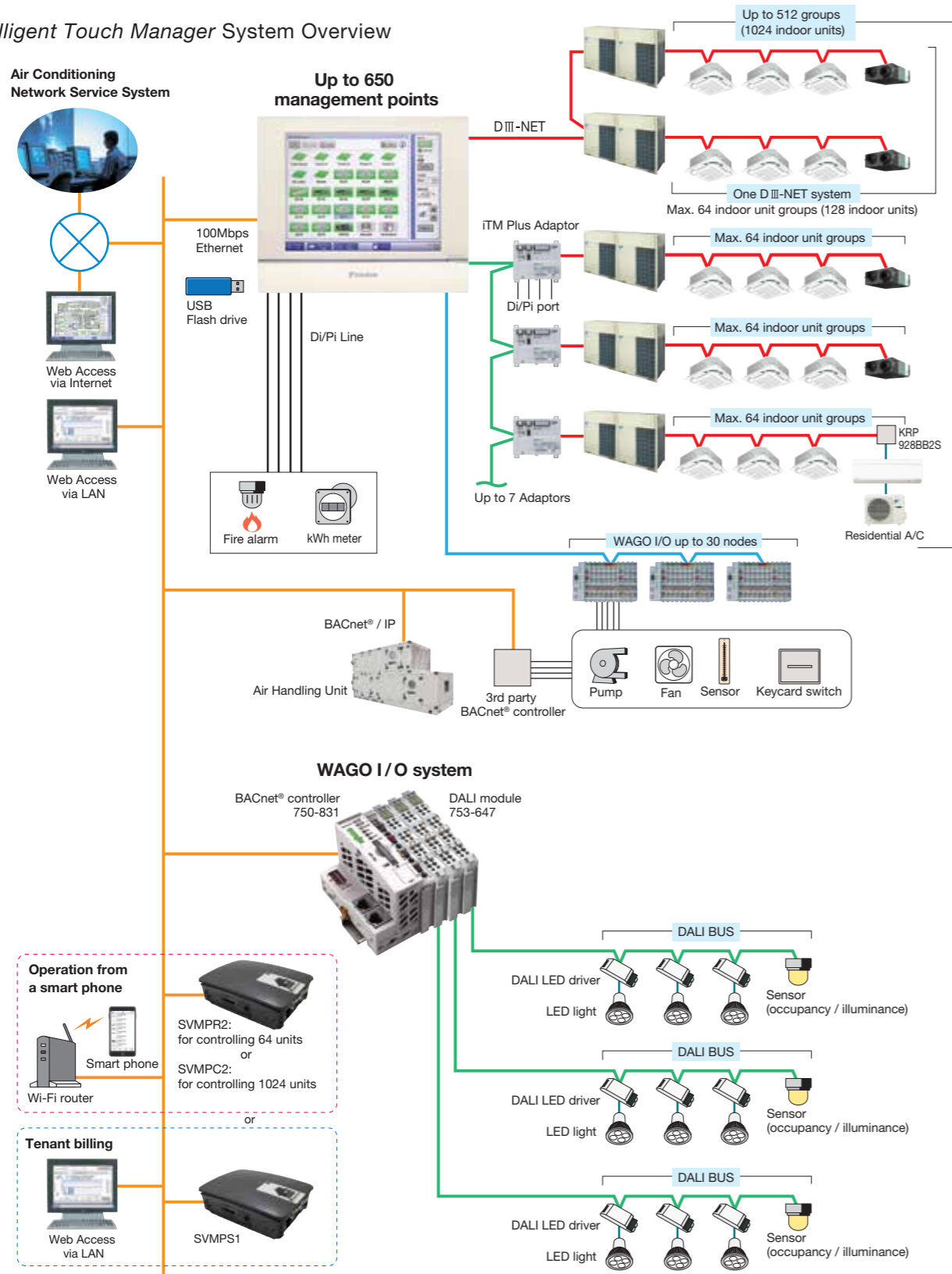
Wide variation of remote controllers for Vrv indoor units

	FFX(S)Q	FXZQ	FXCQ	FXKQ	FXDQ	FXSQ	FXMQ	FXHQ	FXAQ	FXL(N)Q	FXVQ	FXB(P)Q
Navigation remote controller (Wired remote controller) (BRC1E63)	●	●	●	●	●	●	●	●	●	●	●	●
Wired remote controller (BRC1C62)		●	●	●	●	●	●	●	●	●	●	●
Wireless remote controller* (Installed type signal receiver unit)	●	●	●					●	●			
Wireless remote controller* (Separate type signal receiver unit)				●	●	●	●			●		●
Simplified remote controller (Exposed type) (BRC2C51)					●	●	●			●		●
Simplified remote controller (Concealed type: for Hotel use) (BRC3A61)					●	●	●			●		●

Advanced Control Systems for VRV System

System structure

intelligent Touch Manager System Overview



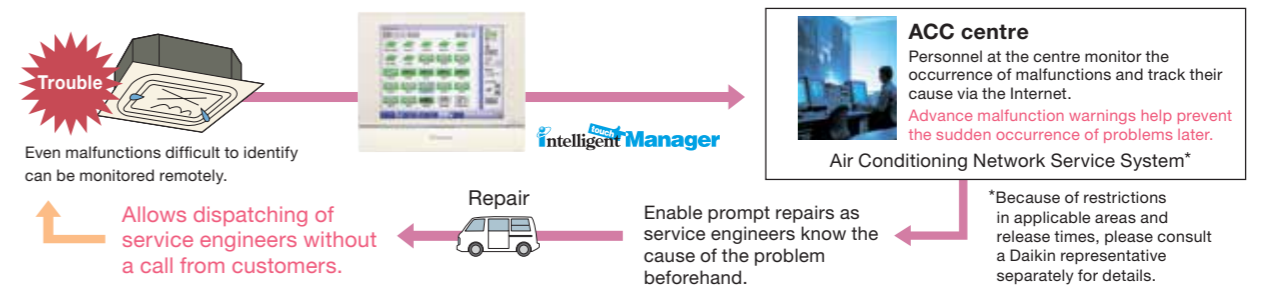
Air Conditioning Network Service System

Preventive Maintenance

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

Enhanced convenience with link to the Air Conditioning Network Service System

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



Daikin Offers a Variety of Control Systems

Convenient controllers that offer more freedom to administrators



Intelligent Controller

Ease of use and expanded control functions

The user-friendly controller features colours, multilingual function, and icons in the display for ease of understanding. A wide variety of control methods can be accommodated, permitting administrators to monitor and operate the system even when they are away from the controller.

DCS601C51

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.



DMS502B51 (Interface for use in BACnet®)



DMS504B51 (Interface for use in LONWORKS®)

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

Smart phone will be a remote controller of VRV system (Option)

For house VRV Smart Phone Control System

Up to 64 indoor units can be controlled.

Just add SVMPR2 to this system

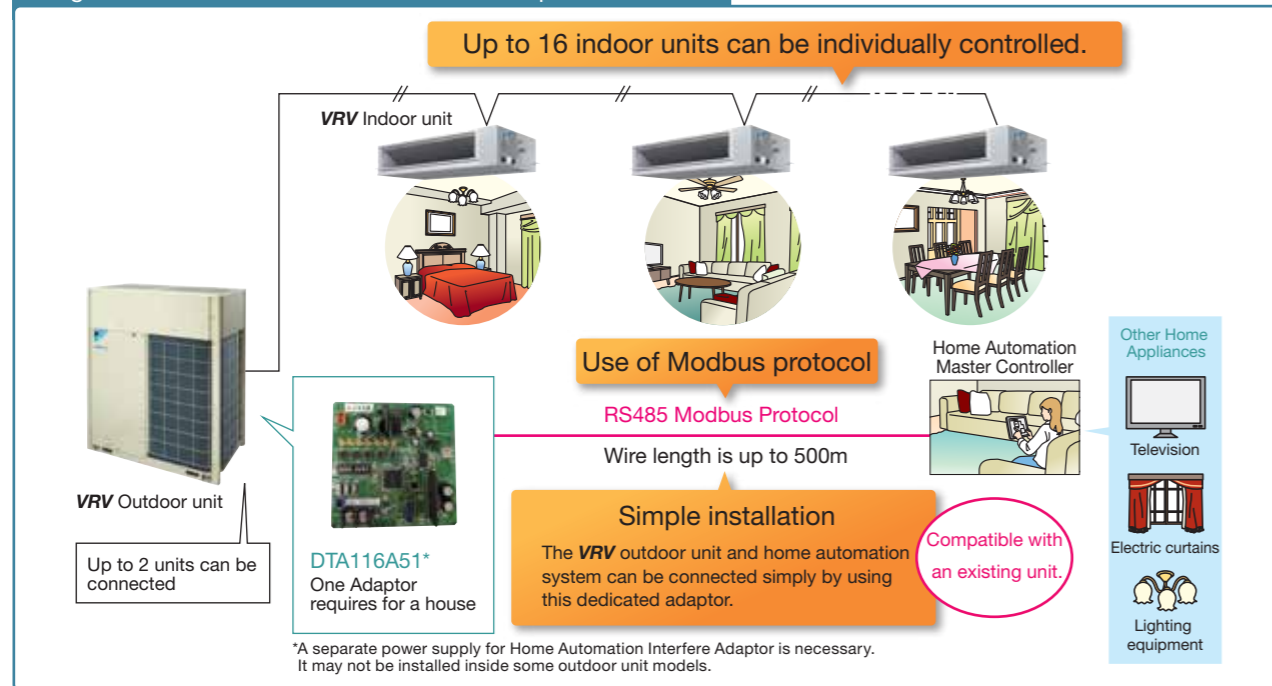


Advanced Control Systems for VRV System

Home Automation Interface Adaptor

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

Image to use Home Automation Interface Adaptor DTA116A51



Functions

Monitor

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

Control

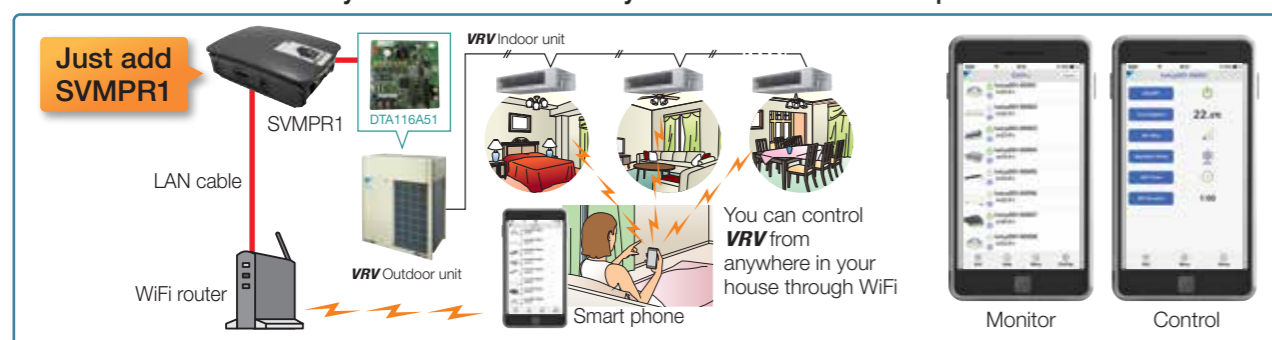
On/Off	On/Off control of indoor units
Operation mode	Cooling, Heating, Fan, Dry, Auto (depend on indoor unit capability)
Setpoint	Cooling/Heating setpoint
Fan direction	Swing, Stop, Flap direction (depend on indoor unit capability)
Fan volume	L, M, H (depend on indoor unit capability)
Filter sign reset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

Retrieve system information

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

VRV Smart Phone Control System

VRV Smart Phone Control System can be realized by SVMPR1 which is a new product to utilize DTA116A51.



★Modbus is a registered trademark of Schneider Electric S.A.

VRV Tablet Controller : SVMPC1

The SVMPC1 is easy to install, and enables monitoring and operation of VRV systems via tablets and smartphones. It is optimal for centralized management of VRV systems in small buildings or on individual floors of a building.

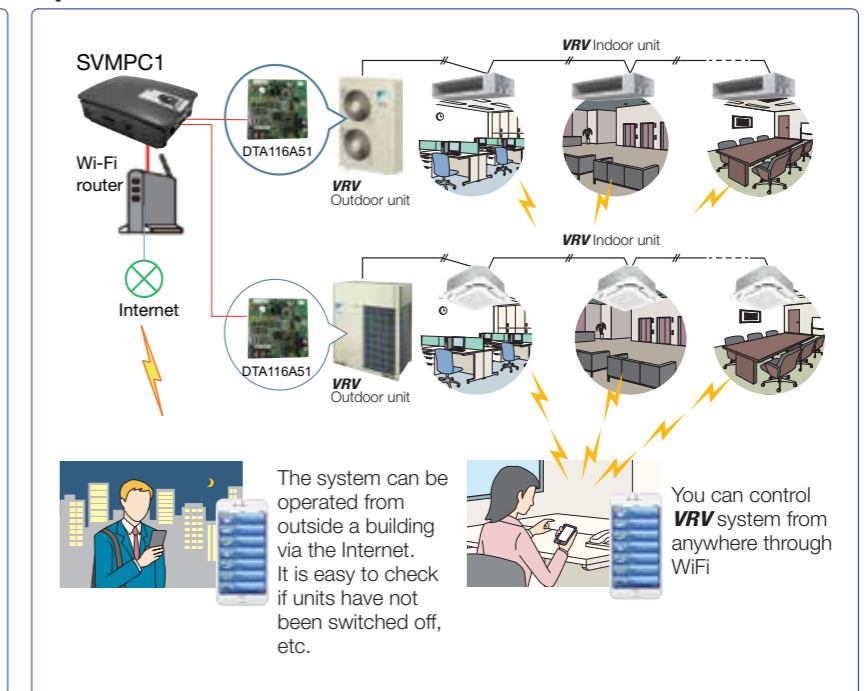
Simple and easy Smart Control

- SVMPC1 is easy to install. Just add DTA116A51 to outdoor unit and connect it to controller.
- Thanks to user-friendly screen, anyone can operate easily.



- SVMPC1 allows operation of VRV system from anywhere (inside and outside of a premise) through the internet.
- Set point range limitation and setback function achieve energy saving and comfortable air-conditioning.
- Daily air-conditioning operation is automatically done by schedule function with annual calendar.
- Quick notification of malfunction by e-mail to support quick maintenance.

Up to 32 indoor units can be monitored and controlled.



Functions

*: only admin user can set

Category	Function	Detail
Access security	User login	User name, password
	Device registration	Registered device (Tablet, Smartphone) can access through the internet
Main screen	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
Automatic control	Setpoint range limitation*	Cool setpoint min/max, Heat setpoint min/max
	Off timer*	Off timer on/off, Off timer duration (5min - 12h, every 5min)
	Setback operation*	Setback setpoint range (Cool: 24-35°C, Heat: 10-20°C)
	Schedule*	Action registration: Time, On/Off, Setpoint, Operation mode, Fan step, Flap, Off timer on/off, Setback setpoint Calendar setting: set by date or day of the week
System setting	Language	English, Spanish, Portuguese, Thai, Vietnam, Simplified Chinese, Traditional Chinese
	Password setting	
	User administration*	Add/Modify/Delete user, Set User name, Password, Accessible points
	Point setting*	Set point name, Select icon

Specifications

Category	Specification	Detail
Connectable units	Number of indoor units	Max 32 (with additional DTA116A51)
	Number of DTA116A51	Max 2
Connectable device	Number of Tablet/Smartphone	Max 20
	Device type	iPad, iPhone, Android tablet, Android Phone, Windows Tablet, Windows Phone, Windows PC, Mac
	Web browser	Firefox, Chrome, Safari