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 August 2025 but subject to change without notice.

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DAIKIN CONTACT CENTER

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

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UKAS MANAGEMENT SYSTEMS 8289

DAIKIN

Perfecting the Air
Kenyamanan Tanpa Batas

DIDPCVMT2507

Exceptional Performance in More Reliable and Compact Structure



Green Label Indonesia
Platinum Certification

VRV 6 A SERIES

RXQ8-60BY14

JAPAN QUALITY
R-410A

Cooling Only 50 Hz



VRV 6 A SERIES

Next Generation ***VRV*** System

New ***VRV*** 6 A series has achieved significant energy savings with improved technology. In a design that is more compact and lightweight, the operating performance has been improved in all directions by introducing unique ideas, technologies and a wide variety of functions to strengthen design flexibility, easy installation and reliability.

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

Benefits for Everyone Involved

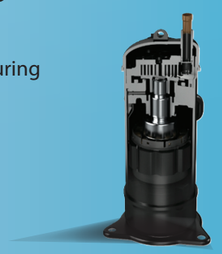
Upgraded Casing

Saves more space with the new casing for large-capacity single module of up to 26 HP. Reduces the lifecycle cost with more compact combination.



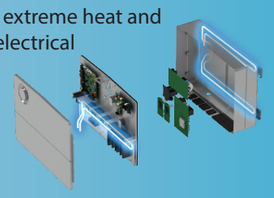
Saves More Energy

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



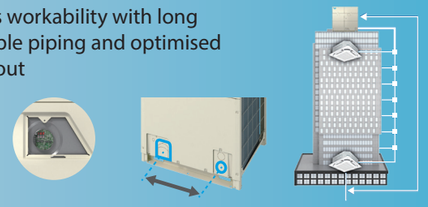
Durable, Stable, Reliable

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



Flexible Design & Easy Installation

Improves workability with long and flexible piping and optimised parts layout





For OWNERS





Lifecycle Cost & Comfort

Large-capacity Single Module

• Installation space and cost are reduced by large–capacity casing for max. 26 HP.



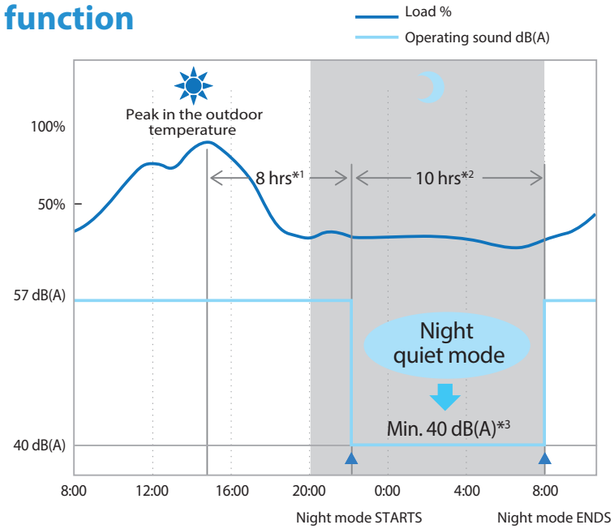
Energy Saving Technology

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



Nighttime quiet operation function

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



For BUILDING MANAGERS

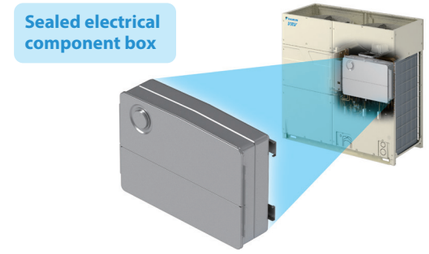




Reliability & Comfort

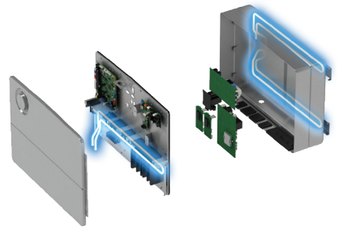
IP55 Sealed Component Box

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



Refrigerant Piping Cooling System

• Refrigerant cooling circuit enables operation in high outdoor temperatures.

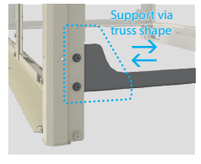


New reinforced design

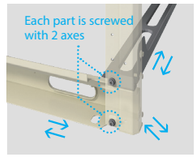
The frame structure has been strengthened to improve resistance to earthquakes and wind while protecting against falling damage.



1 Minimises horizontal wobbling



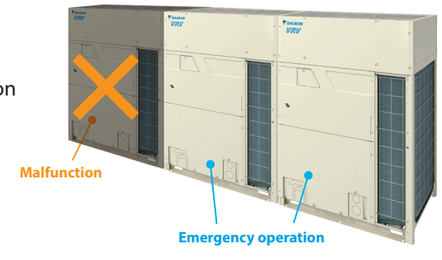
2 Minimises vibration from various angles



Backup operation function

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

Unit backup operation function



For CONSULTANTS

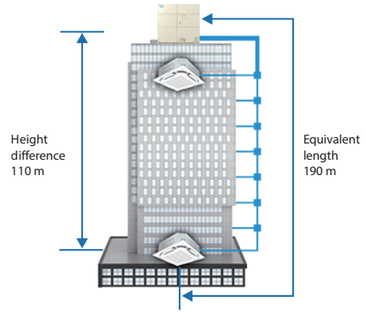




Flexible Design & Engineering Support

Long Refrigerant Piping

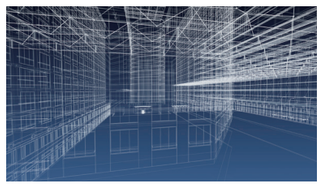
- Equivalent length max. 190 m
- Height difference extension max. 110 m (20 m longer than conventional models)
- By applying for both at the same time, supports a wide range of applications.



Engineering Support

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

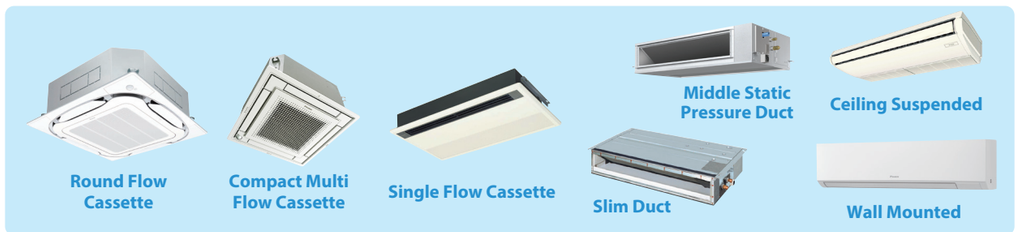




Model Selection
BIM Support and Tools
Analysis and Simulation

Varied Lineup of Indoor Units

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



For INSTALLERS

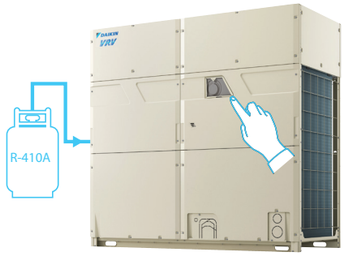




Easy Installation

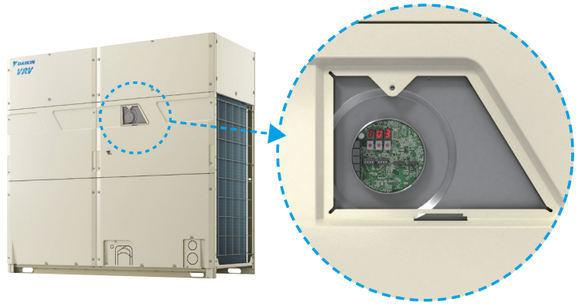
Automatic refrigerant charging

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



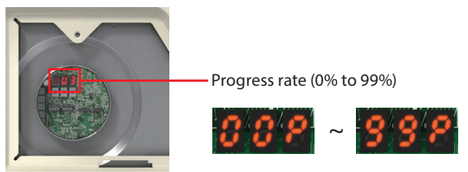
Electrical Component Service Window

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



Process visualization (Test run only)

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



Large-capacity Single Module

- Installation space and cost are reduced by large–capacity casing for max. 26 HP.



New Casing

Offers advanced design and new structure with excellent workability.
New large single unit for 22, 24, 26 HP in addition to the conventional combination of two casings.



RXQ8,10,12BY14



RXQ14,16,18,20BY14



RXQ22,24,26BY14

RXQ-BY14 : 3-phase, 4-wire system, 380-415 V, 50 Hz

■ Outdoor unit combination

System capacity		Number of units	Single module (HP)									
HP	kW		8	10	12	14	16	18	20	22	24	26
8	22.4	Single	●									
10	28.0			●								
12	33.5				●							
14	40.0					●						
16	45.0						●					
18	50.0							●				
20	56.0								●			
22	61.5									●		
24	67.0										●	
26	73.0											●
28	78.5	Double			●		●					
30	83.5				●			●				
32	89.5				●				●			
34	95.0						●	●				
36	100							●●				
38	106							●	●			
40	112								●●			
42	117							●			●	
44	123							●				●
46	129								●			●
48	134									●		●
50	140										●	●
52	146											●●
54	150	Triple						●●●				
56	156							●●	●			
58	162							●	●●			
60	168								●●●			

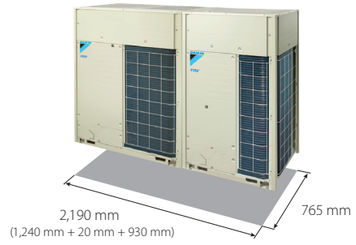
■ Large capacity single-module

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

Conventional Model

VRV A SERIES

26 HP



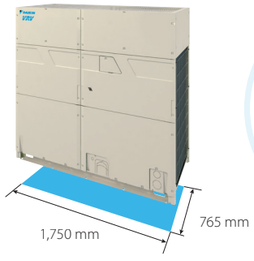
Installation space **1.68 m²**

Machine weight **400 kg**

New Model

VRV 6 A SERIES

26 HP



Installation space **1.34 m²**

Machine weight **354 kg**

Installation space **20%** less

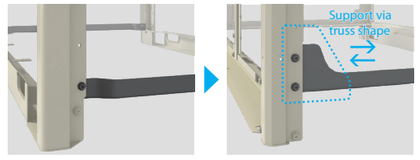
Machine weight **11%** less

■ New reinforced design

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



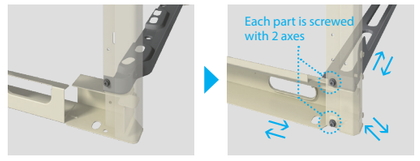
1 Minimises horizontal wobbling



Conventional models

VRV 6 A SERIES

2 Minimises vibration from various angles



Conventional models

VRV 6 A SERIES

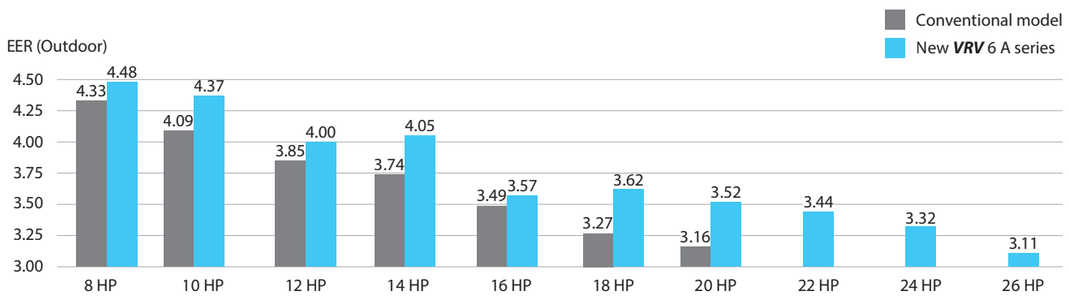
Energy Savings

Improves Energy Efficiency Ratio (EER)

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

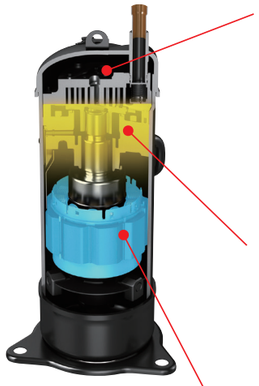
HP	8	10	12	14	16	18	20	22	24	26
EER (Outdoor)	4.48	4.37	4.00	4.05	3.57	3.62	3.52	3.44	3.32	3.11

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



Hardware technology High Efficiency Compressor

New technologies increase seasonal efficiency and enable a compact design.



Improvement of the discharge port

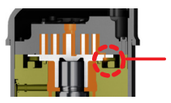
By improving the shape of the refrigerant discharge port, the pressure increase near the discharge port of the gas refrigerant after compression is suppressed and the compression loss is reduced.

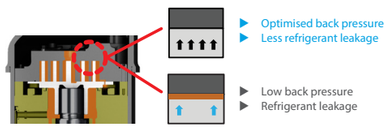


The compression loss of discharge port is reduced.

Optimising the back pressure control / New oil control function

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



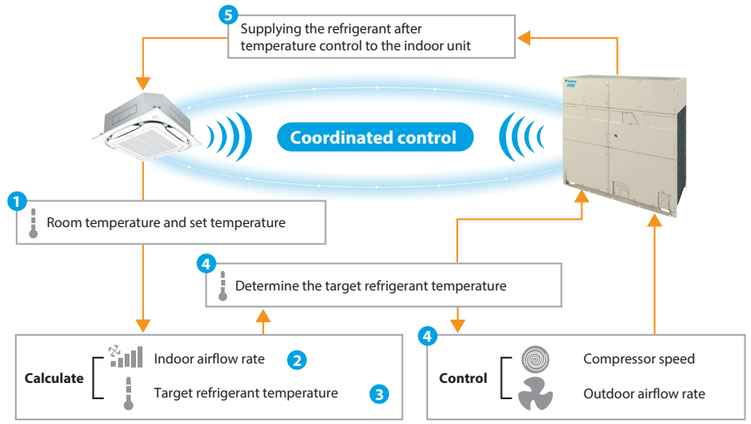


Adoption of a high-performance concentrated motor

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

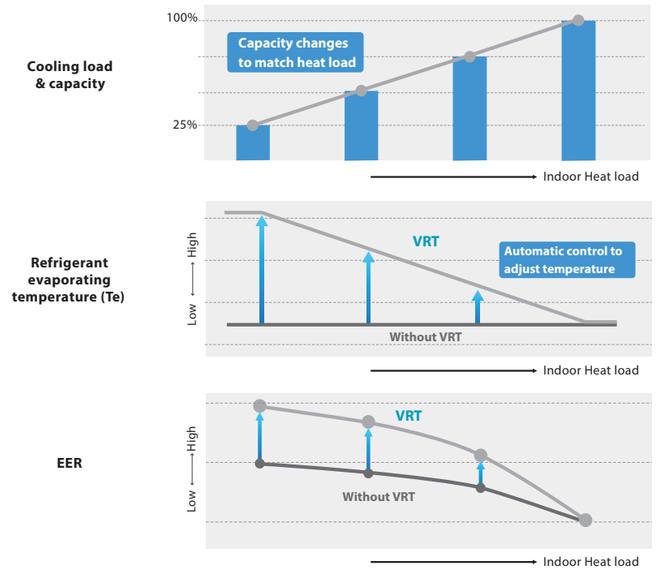
Software technology VRT Smart II control

Optimal supply exactly meets the required capacity of indoor units



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

Greatly improved efficiency by adjusting the capacity by the refrigerant temperature



Required capacity changes according to indoor heat load.

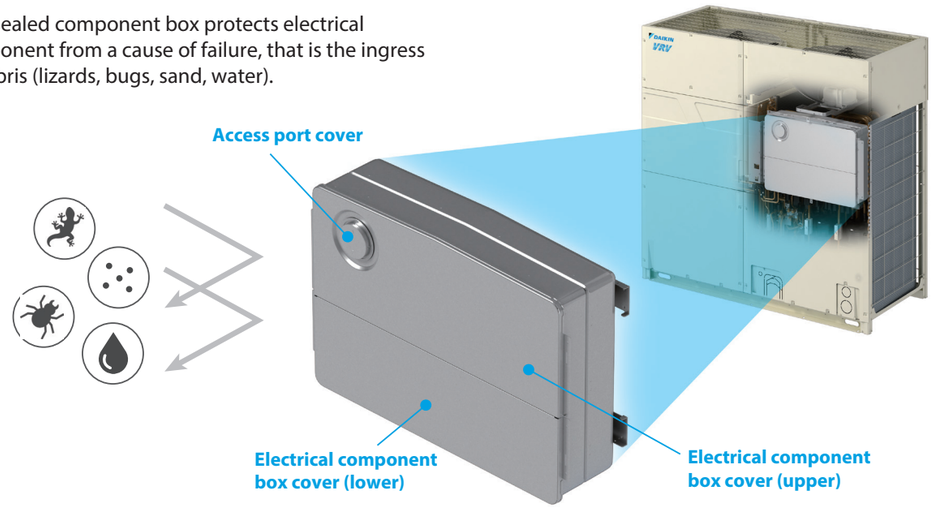
Automatic control adjusts refrigerant evaporating temperature to heat load change.

Reduction of excessive cooling and thermal losses increase EER.

Reliability

IP55-compliant sealed component box

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



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

What is IP55?

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

IP55

Liquid ingress protection **Grade 5**

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

Solid particle protection **Grade 5**

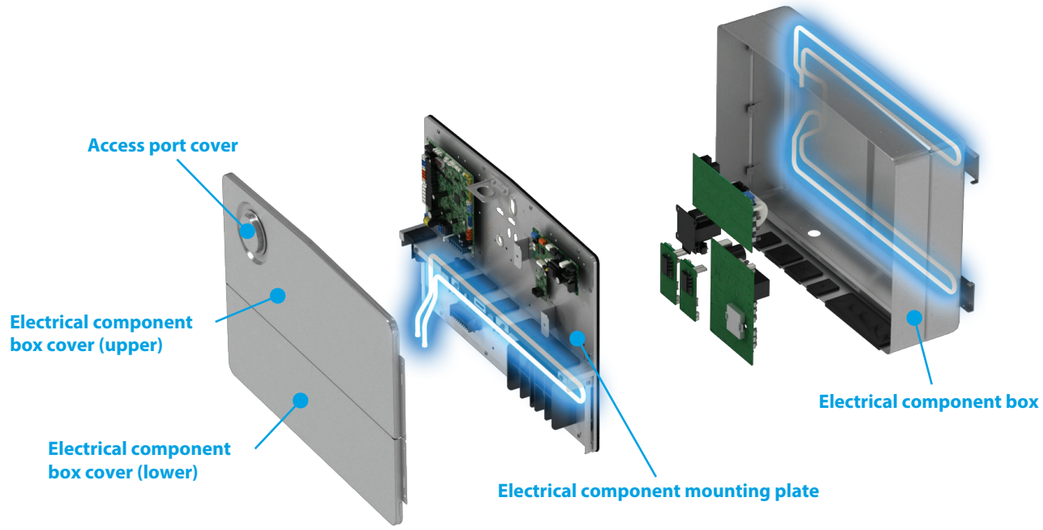
Ingress of dust is not entirely prevented, but it must not enter in sufficient quantity to interfere with the satisfactory operation of the equipment.

Ingress Protection

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

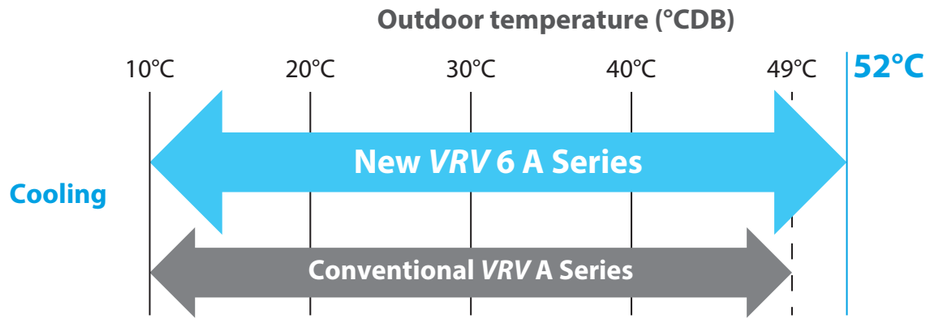
Enables operation in high outdoor temperature

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



Expanded operation temperature range

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



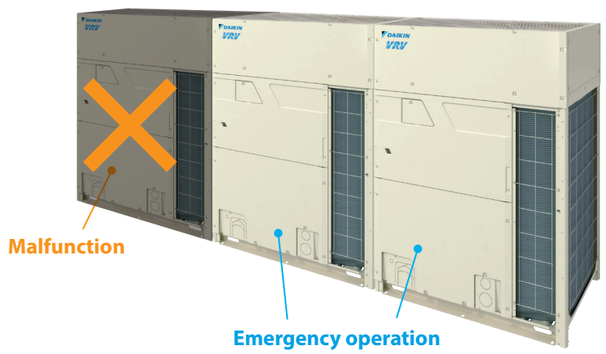
Note: If the height difference between the outdoor units and the indoor units exceeds 90 m, the operating temperature range is up to 49°C (Outdoor units above indoor units only).

Comfort

Backup operation function

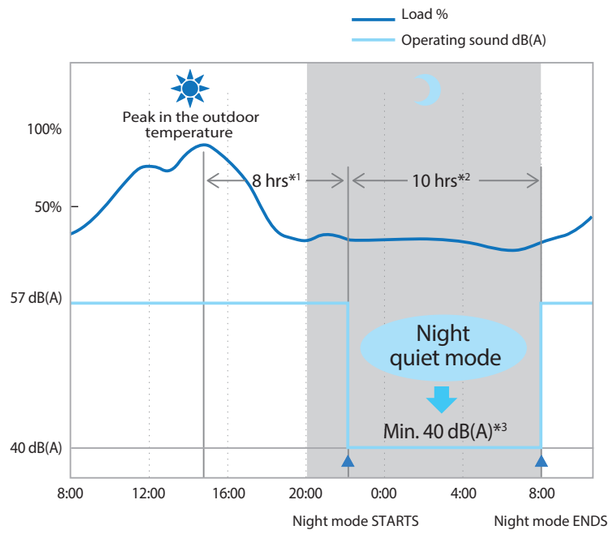
If malfunction occurs in an outdoor unit, the backup operation is supported.
(Only for multiple outdoor units)

Unit backup operation function



Nighttime quiet operation function

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



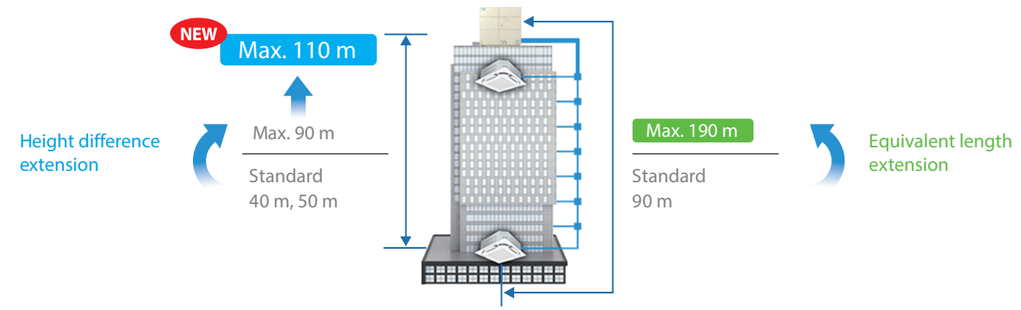
*1. Initial setting is 8 hours. Can be selected from 6, 8 and 10 hours.
*2. Initial setting is 9 hours. Can be selected from 8, 9 and 10 hours.
*3. 8-12 HP outdoor unit can maintain ≥ 30% of the rated capacity with the sound < 40 dB(A).
14-26 HP outdoor unit can maintain ≥ 30% of the rated capacity with the sound < 44 dB(A).

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

Design Flexibility

Simultaneous extension of height difference and equivalent length

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



• **Height difference extension** Max. 110 m

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

The operating temperature range is up to 49˚C (Outdoor units above indoor units only).

The minimum connection capacity index of the indoor unit shall be 62.5 (7.1 kW) or more (Outdoor units above indoor units only).

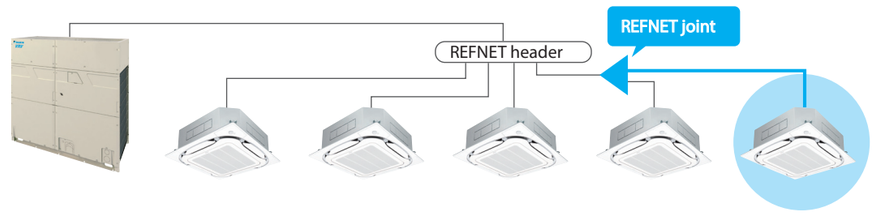
• **Equivalent length** Max. 190 m

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

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

REFNET header downstream branching supported

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



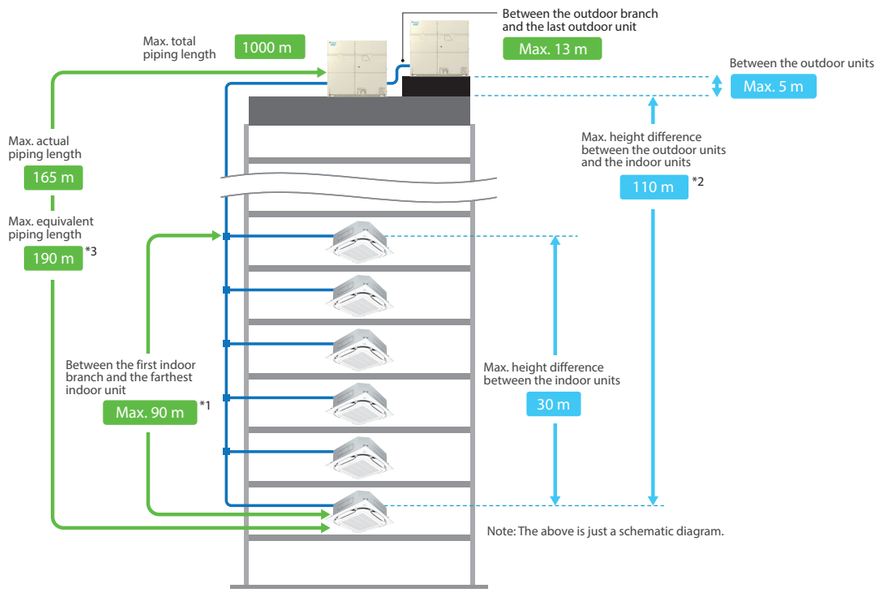
REFNET header	Indoor unit total capacity at REFNET joint
KHRP26M22H,KHRP26M33H,KHRP26M72H	< 50
KHRP26M73H + KHRP26M73HP	≤ 140

Design Flexibility

Long piping length

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

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



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

*1. No special requirements up to 40 m. The maximum actual piping length can be 90 m, depending on conditions. Various conditions and requirements have to be met to allow utilisation of 90 m piping length. Be sure to refer to the Engineering Data Book for details of these conditions and requirements.
*2. When Height differences above 50 m if the outdoor unit is above the indoor unit and 40 m if the outdoor unit is below the indoor unit, a dedicated setting on the outdoor unit is required. Refer to the Engineering Data Book and contact your local dealer for more information.
*3. If equivalent piping length from outdoor unit to indoor unit is 90 m or more, make sure to size up the liquid and gas pipes of the main piping.

Connection ratio

Connection capacity at maximum is 200%.

Connection ratio 50%–200%

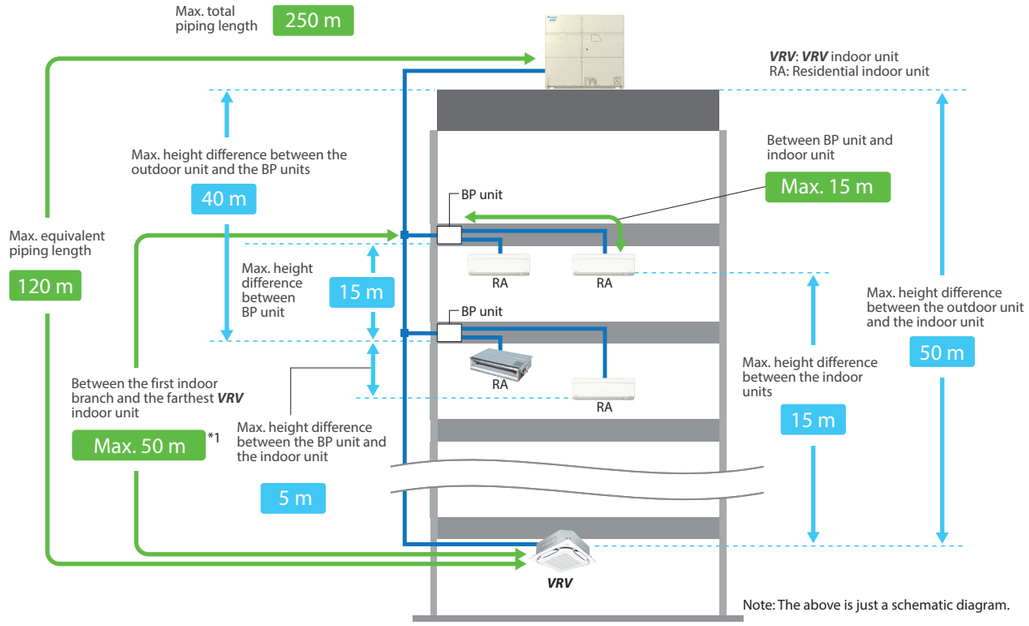
$$\text{Connection ratio} = \frac{\text{Total capacity index of the indoor units}}{\text{Capacity index of the outdoor units}}$$

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

Applicable ***VRV*** indoor units		Indoor units: When using only the following models (FXAQ, FXB(P)Q, FXD(S)Q, FXDBQ, FXSQ, FXMQ-PA)	Indoor units: Including at least one of the following models (FXF(T)(R)(S)Q25A*1, FXVQ)	Indoor units: Including at least one of the following models (FXFSQ25/50C)	Other ***VRV*** indoor unit models
Single outdoor units	8 - 20 HP	200%	130%	105%	200%
	22 - 26 HP				180%
Double outdoor units					160%
Triple outdoor units					130%

*1 FXF(T)(R)(S)Q-A models 32 class and above belong to "Other ***VRV*** indoor unit models" category.
Note: If the operational capacity of indoor units is more than 130%, low airflow operation is enforced in all the indoor units.
*Refer to the Engineering Data Book for max. connection ratio when Outdoor-Air Processing Unit is connected.
*Refer to page 22 for outdoor unit combination details.

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



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

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

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

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

Engineering Support

Design assistance and sales proposal

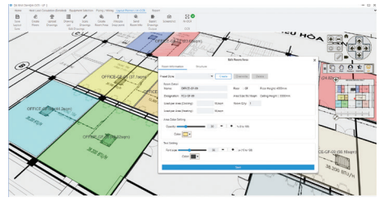
By providing not only excellent products but also engineering support, Daikin helps consultants and architects select ***VRV*** systems more appropriately and easily to enable more efficient operation and function.

Model Selection
BIM Support and Tools
Analysis and Simulation

Model Selection

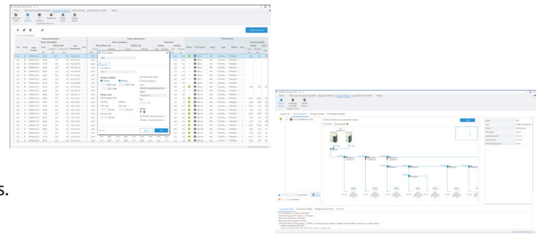
DK-BIM-Heat Load Calculation

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

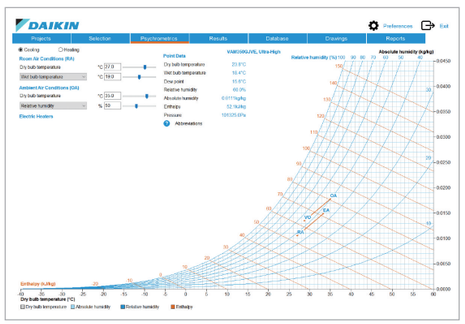


DK-BIM-Model Selection for Air Conditioner

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



Ventilation Xpress



Model Selection for ventilation products

Ventilation products selection software

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

BIM Support and Tools

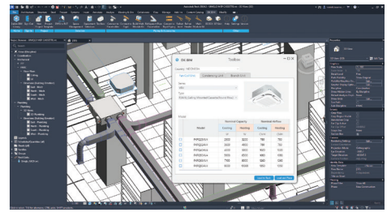
Daikin BIM Library

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



DK-BIM Revit Plug-In

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



Analysis and Simulation

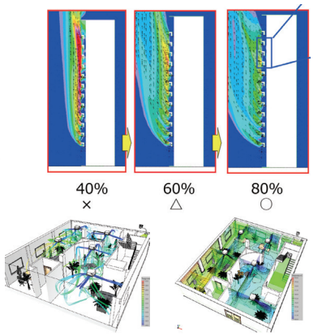
Airflow Simulation

Outdoor airflow analysis software (DT-FLOW2)

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

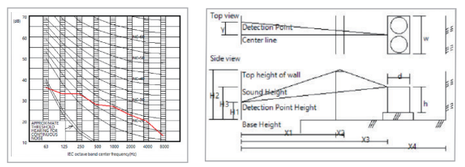
Indoor air environment analysis service

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



Outdoor Unit Sound Calculation (DACCS-NIS)

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



Energy Simulation Support

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



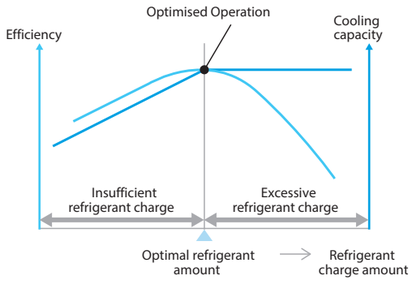
Easy Installation

Automatic refrigerant charge function

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

Optimised operation efficiency

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



Reduced time for automatic charging operation

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

Operation time
22% less

Conventional models

Test run is performed after automatic refrigerant charging is finished

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

Automatic refrigerant charging (Average of 45 min)

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

Test run (Average of 20 min)

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

New *VRV* 6 A models

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

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

Automatic refrigerant charging (Average of 51 min)

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

Process visualization (Test run only*)

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

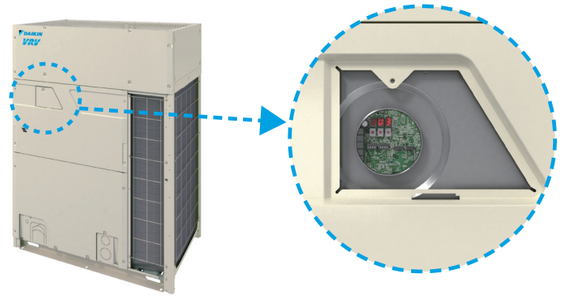
* Effective when test run is carried out independently after manual refrigerant charging.



Electrical component service window

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

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



Improved refrigerant piping workability

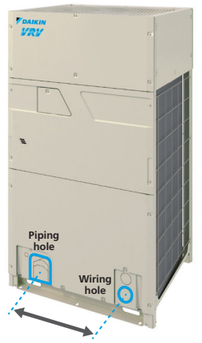
By dividing piping and wiring holes to the left and right, piping and wiring work can be easily performed on site.

Conventional models



Working in closed place is difficult

***VRV* 6 A SERIES**



Work becomes easier with sufficient space



Outdoor Unit Lineup

Capacity range from 8 to 60 HP

Lineup

	HP	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
***VRV* 6 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
8	22.4	200	RXQ8BY14	RXQ8BY14	–	100 to 260 (400)	13 (20)
10	28.0	250	RXQ10BY14	RXQ10BY14	–	125 to 325 (500)	16 (25)
12	33.5	300	RXQ12BY14	RXQ12BY14	–	150 to 390 (600)	19 (30)
14	40.0	350	RXQ14BY14	RXQ14BY14	–	175 to 455 (700)	22 (35)
16	45.0	400	RXQ16BY14	RXQ16BY14	–	200 to 520 (800)	26 (40)
18	50.0	450	RXQ18BY14	RXQ18BY14	–	225 to 585 (900)	29 (45)
20	56.0	500	RXQ20BY14	RXQ20BY14	–	250 to 650 (1,000)	32 (50)
22	61.5	550	RXQ22BY14	RXQ22BY14	–	275 to 715 (990)	35 (49)
24	67.0	600	RXQ24BY14	RXQ24BY14	–	300 to 780 (1,080)	39 (54)
26	73.0	650	RXQ26BY14	RXQ26BY14	–	325 to 845 (1,170)	42 (58)
28	78.5	700	RXQ28BY14	RXQ12BY14 + RXQ16BY14	BHFP22R135-7	350 to 910 (1,120)	45 (56)
30	83.5	750	RXQ30BY14	RXQ12BY14 + RXQ18BY14		375 to 975 (1,200)	48 (60)
32	89.5	800	RXQ32BY14	RXQ12BY14 + RXQ20BY14		400 to 1,040 (1,280)	52 (64)
34	95.0	850	RXQ34BY14	RXQ16BY14 + RXQ18BY14		425 to 1,105 (1,360)	55 (64)
36	100	900	RXQ36BY14	RXQ18BY14 × 2		450 to 1,170 (1,440)	58 (64)
38	106	950	RXQ38BY14	RXQ18BY14 + RXQ20BY14		475 to 1,235 (1,520)	61 (64)
40	112	1,000	RXQ40BY14	RXQ20BY14 × 2		500 to 1,300 (1,600)	64 (64)
42	117	1,050	RXQ42BY14	RXQ18BY14 + RXQ24BY14		525 to 1,365 (1,680)	
44	123	1,100	RXQ44BY14	RXQ18BY14 + RXQ26BY14		550 to 1,430 (1,760)	
46	129	1,150	RXQ46BY14	RXQ20BY14 + RXQ26BY14		575 to 1,495 (1,840)	
48	134	1,200	RXQ48BY14	RXQ22BY14 + RXQ26BY14		600 to 1,560 (1,920)	
50	140	1,250	RXQ50BY14	RXQ24BY14+ RXQ26BY14		625 to 1,625 (2,000)	
52	146	1,300	RXQ52BY14	RXQ26BY14 × 2		650 to 1,690 (2,080)	
54	150	1,350	RXQ54BY14	RXQ18BY14 × 3	BHFP22R168-7	675 to 1,755 (1,755)	
56	156	1,400	RXQ56BY14	RXQ18B Y14 ×2 + RXQ20BY14		700 to 1,820 (1,820)	
58	162	1,450	RXQ58BY14	RXQ18BY14 + RXQ20BY14 × 2		725 to 1,885 (1,885)	
60	168	1,500	RXQ60BY14	RXQ20BY14 × 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 RXQ8-20BY14, 180% for RXQ22-26BY14, 160% for double outdoor units, and 130% for triple outdoor units. Refer to page 15 for notes on connection capacity of indoor units.

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

Model name*1	HP	kW	Capacity index	Total capacity index of connectable indoor units*2			Maximum number of connectable indoor units
				Combination (%)*2			
				50%	100%	130%	
RXQ8BY14	8	22.4	200	100	200	260	13
RXQ10BY14	10	28.0	250	125	250	325	16
RXQ12BY14	12	33.5	300	150	300	390	19
RXQ14BY14	14	40.0	350	175	350	455	22
RXQ16BY14	16	45.0	400	200	400	520	26
RXQ18BY14	18	50.0	450	225	450	585	29
RXQ20BY14	20	56.0	500	250	500	650	32
RXQ22BY14	22	61.5	550	275	550	715	35
RXQ24BY14	24	67.0	600	300	600	780	39
RXQ26BY14	26	73.0	650	325	650	845	42

Notes: *1. Only single outdoor unit (RXQ8-26BY14) can be connected.
*2. Total capacity index of connectable indoor units must be 50%–130% of the capacity index of the outdoor unit.

Indoor Unit Lineup

Enhanced range of choices

VRV indoor units

New lineup

VRT smart — Indoor units subject to VRT smart control

VRT — Indoor units subject to VRT control

Category	Type	Model Name			20	25	32	40	50	63	71	80	100	125	140	200	250	400	500
				Capacity Range	0.8 HP	1 HP	1.25 HP	1.6 HP	2 HP	2.5 HP	3 HP	3.2 HP	4 HP	5 HP	6 HP	8 HP	10 HP	16 HP	20 HP
				Capacity Index	20	25	31.25	40	50	62.5	71	80	100	125	140	200	250	400	500
Ceiling Mounted Cassette	Round Flow Cassette with Sensing and Streamer	FXFTQ-A	VRT smart			●	●	●	●	●		●	●	●	●				
	Round Flow Cassette with Streamer	FXFRQ-A	VRT smart			●	●	●	●	●		●	●	●	●				
	Round Flow Cassette with Sensing	FXFSQ-A	VRT smart			●	●	●	●	●		●	●	●	●				
		FXFSQ-C	VRT smart			●			●										
	Round Flow Cassette	FXFQ-A	VRT smart			●	●	●	●	●		●	●	●	●				
	Compact Multi Flow Cassette	FXZQ-B	VRT smart		●	●	●	●	●										
	Double Flow Cassette	FXCQ-B	VRT smart		●	●	●	●	●	●		●		●					
	Single Flow Cassette	FXKQ-MA	VRT			●	●	●		●									
	Ceiling Mounted Cassette Duct	FXFDQ-A	VRT smart							●		●	●	●					
Ceiling Concealed Duct	Bedroom Duct	FXDBQ-A	VRT smart					●	●	●		●							
	Slim Duct (Standard)	FXDQ-PD (with drain pump)	VRT smart	 (700 mm width type)	●	●	●												
		FXDQ-ND (with drain pump)	VRT smart	 (900/1,100 mm width type)				●	●	●									
	Slim Duct (Compact)	FXDQ-SP	VRT		●	●	●	●	●	●									
	Middle Static Pressure Duct	FXSQ-PA	VRT smart		●	●	●	●	●	●		●	●	●	●				
	Middle-High Static Pressure Duct	FXMQ-PA	VRT smart		●	●	●	●	●	●		●	●	●	●				
	High Static Pressure Duct	FXMQ-P	VRT smart													●	●		
		FXMQ-PZ TKDN TINGKAT KOMPONEN DALAM NEGERI	VRT smart													●	●		
	Outdoor-Air Processing Unit	FXMQ-MF												●		●	●		
		FXMQ-AF	VRT									●			●	●	●		
		FXMQ-BF	VRT									●			●	●	●		
Ceiling Suspended	Ceiling Suspended	FXHQ-MA	VRT				●			●			●						
		FXHQ-B	VRT											●	●				
New	Wall Mounted	**FXAQ-B**	VRT smart		●	●	●	●	●	●	●	●	●						
Floor Standing	Floor Standing	FXLQ-MA	VRT		●	●	●	●	●	●									
	Concealed Floor Standing	FXNQ-MA	VRT		●	●	●	●	●	●									
	Floor Standing Duct	FXVQ-N	VRT											●		●	●	●	●
Clean Room Air Conditioner		FXBQ-P	VRT					●	●	●									
		FXBPQ-P	VRT							●									
Heat Reclaim Ventilator with DX-Coil		VKM-GC			Airflow rate 500-950 m^3/h														
Heat Reclaim Ventilator		VAM-H			Airflow rate 150-2000 m^3/h														
Air Handling Unit		AHUR			6–120 HP														

Residential indoor units with connection to BP units

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

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

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

VRV indoor unit only system



VRV indoor units only

Max. 64 indoor units

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

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



Max. 42 indoor units

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

Residential indoor unit only system



Max. 42 indoor units

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

Indoor Unit Overview

New ***VRV*** 6 A series can connect to a wide range of Daikin's indoor units including both ***VRV*** and residential models, responding to variety of needs of our customers that require air-conditioning solutions.

Round Flow Cassette with Sensing and Streamer Type

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





FXFTQ-A

Round Flow Cassette with Streamer Type

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





FXFRQ-A

Round Flow Cassette with Sensing Type

Comfort and energy savings by sensing functions





FXFSQ-A
FXFSQ-C

Round Flow Cassette Type

360° airflow for improved comfort

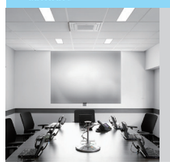


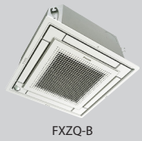


FXFQ-A

Compact Multi Flow Cassette Type

Quiet, compact, and designed for user comfort

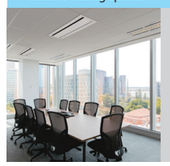


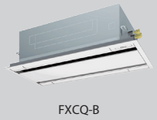


FXZQ-B

Double Flow Cassette Type

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

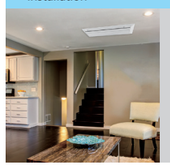


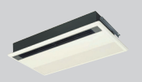


FXCQ-B

Single Flow Cassette Type

Compact & elegant design for flexible installation





FXKQ-MA

Ceiling Mounted Cassette Duct Type

Unprecedented flexibility with Revolutionary air blow concept

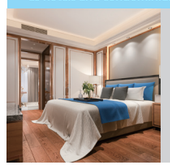




FXFDQ-A

Bedroom Duct Type

Suitable for close living spaces such as hotels and condominiums

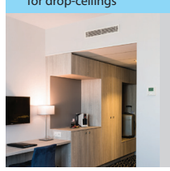




FXDBQ-A

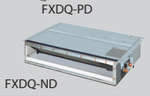
Slim Duct (Standard) Type

Slim design, quietness and ideal for drop-ceilings





FXDQ-PD

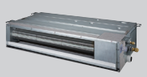


FXDQ-ND

Slim Duct (Compact) Type

Slim and compact design for easy and flexible installation

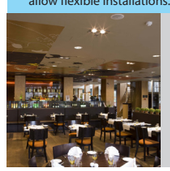


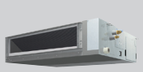


FXDQ-SP

Middle Static Pressure Duct Type

Middle static pressure and slim design allow flexible installations.

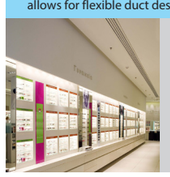




FXSQ-PA

Middle-High Static Pressure Duct Type

Middle and high static pressure allows for flexible duct design.

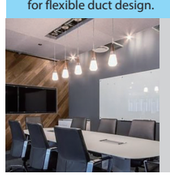


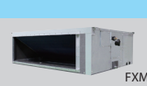


FXMQ-PA

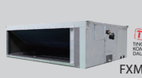
High Static Pressure Duct Type

High static pressure allows for flexible duct design.





FXMQ-P

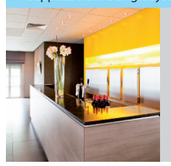


FXMQ-PZ

Note: The indoor unit lineup varies depending on the target countries.

Outdoor-Air Processing Unit

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





FXMQ-MF

Outdoor-Air Processing Unit

Improve IAQ with fresh air ventilation and precise room temperature control





FXMQ-AF



FXMQ-BF

Ceiling Suspended Type

Slim body with quiet and wide airflow.



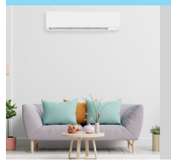


FXHQ-MA

FXHQ-B

Wall Mounted Type

Stylish flat panel design harmonised with your interior décor.





New FXAQ-B

Floor Standing Type / Conceal Floor Standing Type

Suitable for perimeter zone air conditioning



FXLQ-MA

FXNQ-MA

Floor Standing Duct Type

Large airflow type for large spaces.

FXVQ-N
(high static pressure type)

Clean Room Air Conditioner

Suitable for hospitals and other clean spaces

FXBQ-P
FXBPQ-P

Air Handling Unit

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

AHUR

Residential indoor units with connection to BP units

Slim Ceiling Concealed Duct Type

Slim and smooth design suits your shallow ceiling

FDKS-C(A)VMB

Wall Mounted Type

Elegant appearance with European style

FTKJ-NVMS

FTKJ-NVMW

Wall Mounted Type

Stylish flat panel harmonises with your interior décor

FTKS-DVM

FTKS-FVM

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

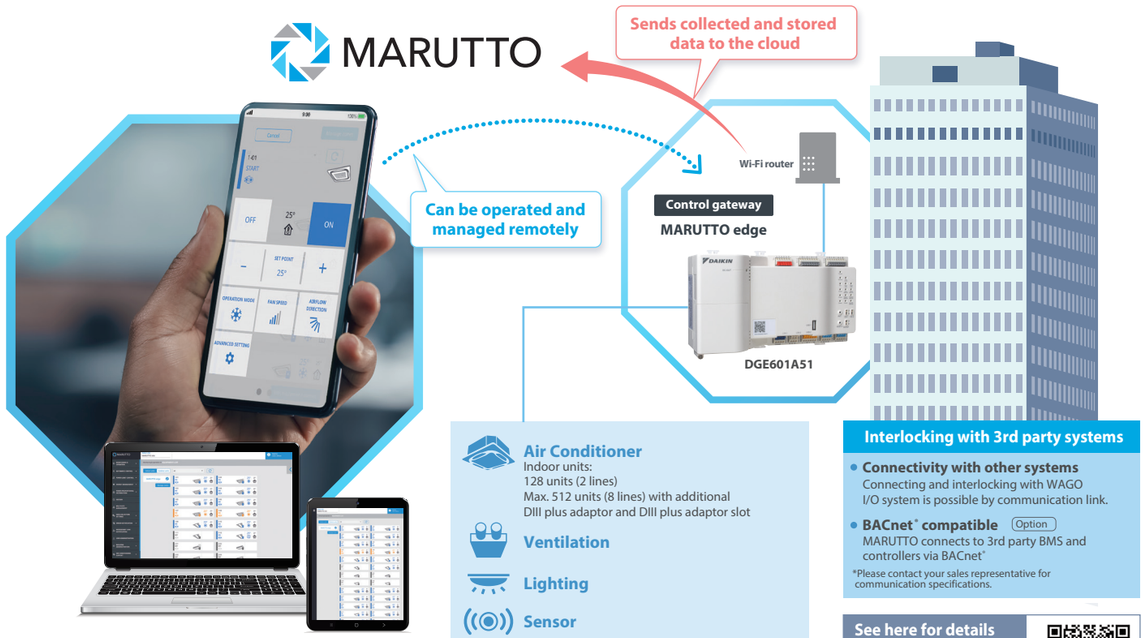
Daikin VAM series ensures fresh air intake and energy savings

VAM-HVE

Control System

Cloud-based HVAC management service

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



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

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

Ventilation

Lighting

Sensor

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

Interlocking with 3rd party systems

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

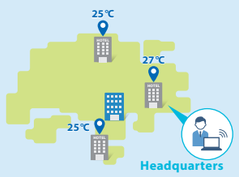
*Please contact your sales representative for communication specifications.

See here for details

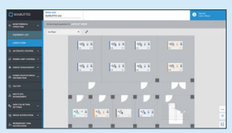
Video Overview of MARUTTO Services

Remote monitoring and control

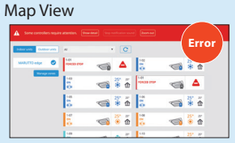
- Multi-Device Support
- Multi-Site Management



- Layout View



- Map View

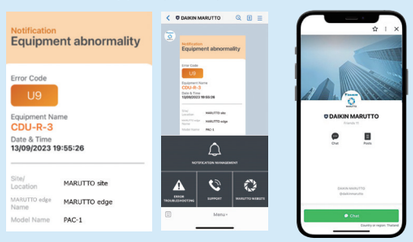


Centralized control

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

Peace of mind service maintenance

- Error Notification Email
- Social Media Support (Option)



- Remote Emergency Operation (Option)

Optimised energy usage

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

Option List

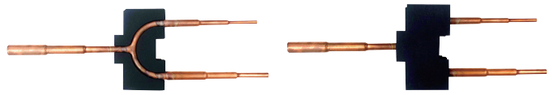
Item	Type	RXQ8-26BY14	RXQ28-52BY14	RXQ54-60BY14
Distributive piping*1	REFNET header	KHRP26M22H (Max. 4 branch), KHRP26M33H (Max. 8 branch), KHRP26M72H (Max. 8 branch), KHRP26M73H (Max. 8 branch)		
	REFNET joint	KHRP26A22T, KHRP26A33T, KHRP26A72T, KHRP26A73T		
	Pipe size reducer	KHRP26M73HP, KHRP26M73TP		
	Non-Brazed REFNET Joint for TIGHTFIT	BHRG26A33T, BHRG26A72T, BHRG26A73T		
Outdoor unit multi connection piping kit		—	BHFP22R135-7	BHFP22R168-7

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

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



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



Option PCB

Item	Type	RXQ8-60BY14
DIII-NET expand adaptor + Wire harness adaptor kit		DTA109A51 + BER11A
External control adaptor		DTA104A62
Home Automation Interface Adaptor + Wire harness adaptor kit		DTA116A51 + BER11B

Outdoor Unit Specifications

Specifications

Model			RXQ8BY14	RXQ10BY14	RXQ12BY14	RXQ14BY14	RXQ16BY14	RXQ18BY14	RXQ20BY14
Combination units			—	—	—	—	—	—	—
			—	—	—	—	—	—	—
Power supply			Y14: 3-phase 4-wire system, 380-415 V, 50 Hz						
Cooling capacity		Btu/h	76,400	95,500	114,000	136,000	154,000	171,000	191,000
		kW	22.4	28.0	33.5	40.0	45.0	50.0	56.0
Power consumption		kW	5.00	6.41	8.38	9.88	12.6	13.8	15.9
Capacity control		%	11 – 100	13 – 100	12 – 100	11 – 100	9 – 100	8 – 100	10 – 100
Performance	EER (Outdoor)		4.48	4.37	4.00	4.05	3.57	3.62	3.52
Casing colour			Ivory white (5Y7.5/1)						
Compressor	Type		Hermetically sealed scroll type						
	Motor output	kW	3.2	3.8	4.6	5.4	6.9	7.9	8.3
Fan	Airflow rate	m^3/min	158	174	185	237	266	258	306
Dimensions (H x W x D)		mm	1,660 x 930 x 765			1,660 x 1,240 x 765			
Machine weight		kg	206	210		247	270	285	293
Sound level		dB(A)	56	57	59	61	63		65
Operation range		°CDB	10 to 52						
Refrigerant	Type		R-410A						
	Charge	kg	7.2	7.4	7.5	9.6	10.0	11.6	11.7
Piping connections	Liquid	mm	ϕ 9.5 (Brazing)		ϕ 12.7 (Brazing)			ϕ 15.9 (Brazing)	
	Gas	mm	ϕ 19.1 (Brazing)	ϕ 22.2 (Brazing)	ϕ 28.6 (Brazing)				

Model			RXQ22BY14	RXQ24BY14	RXQ26BY14	RXQ28BY14	RXQ30BY14	RXQ32BY14
Combination units			—	—	—	RXQ12BY14	RXQ12BY14	RXQ12BY14
			—	—	—	RXQ16BY14	RXQ18BY14	RXQ20BY14
Power supply			Y14: 3-phase 4-wire system, 380-415 V, 50 Hz					
Cooling capacity		Btu/h	210,000	229,000	249,000	268,000	285,000	305,000
		kW	61.5	67.0	73.0	78.5	83.5	89.5
Power consumption		kW	17.9	20.2	23.5	21.0	22.2	24.3
Capacity control		%	8 – 100			5 – 100		
Performance	EER (Outdoor)		3.44	3.32	3.11	3.74	3.76	3.68
Casing colour			Ivory white (5Y7.5/1)					
Compressor	Type		Hermetically sealed scroll type					
	Motor output	kW	8.9	9.8	11.1	4.6 + 6.9	4.6 + 7.9	4.6 + 8.3
Fan	Airflow rate	m^3/min	375	390	411	185 + 266	185 + 258	185 + 306
Dimensions (H x W x D)		mm	1,660 x 1,750 x 765			(1,660 x 930 x 765) + (1,660 x 1,240 x 765)		
Machine weight		kg	354			210 + 270	210 + 285	210 + 293
Sound level		dB(A)	67	68		65		66
Operation range		°CDB	10 to 52					
Refrigerant	Type		R-410A					
	Charge	kg	11.7			7.5 + 10.0	7.5 + 11.6	7.5 + 11.7
Piping connections	Liquid	mm	ϕ 15.9 (Brazing)		ϕ 19.1 (Brazing)			
	Gas	mm	ϕ 28.6 (Brazing)	ϕ 34.9 (Brazing)				

Model			RXQ34BY14	RXQ36BY14	RXQ38BY14	RXQ40BY14	RXQ42BY14	RXQ44BY14	RXQ46BY14
Combination units			RXQ16BY14	RXQ18BY14	RXQ18BY14	RXQ20BY14	RXQ18BY14	RXQ18BY14	RXQ20BY14
			RXQ18BY14	RXQ18BY14	RXQ20BY14	RXQ20BY14	RXQ24BY14	RXQ26BY14	RXQ26BY14
			—	—	—	—	—	—	—
Power supply			Y14: 3-phase 4-wire system, 380-415 V, 50 Hz						
Cooling capacity		Btu/h	324,000	341,000	362,000	382,000	399,000	420,000	440,000
		kW	95.0	100	106	112	117	123	129
Power consumption		kW	26.4	27.6	29.7	31.8	34.0	37.3	39.4
Capacity control		%	4 – 100			5 – 100	4 – 100		
Performance	EER (Outdoor)		3.60	3.62	3.57	3.52	3.44	3.30	3.27
Casing colour			Ivory white (5Y7.5/1)						
Compressor	Type		Hermetically sealed scroll type						
	Motor output	kW	6.9 + 7.9	7.9 + 7.9	7.9 + 8.3	8.3 + 8.3	7.9 + 9.8	7.9 + 11.1	8.3 + 11.1
Fan	Airflow rate	m^3/min	266 + 258	258 + 258	258 + 306	306 + 306	258 + 390	258 + 411	306 + 411
Dimensions (H x W x D)		mm	(1,660 x 1,240 x 765) + (1,660 x 1,240 x 765)				(1,660 x 1,240 x 765) + (1,660 x 1,750 x 765)		
Machine weight		kg	270 + 285	285 + 285	285 + 293	293 + 293	285 + 354	285 + 354	293 + 354
Sound level		dB(A)	67		68	69	70		
Operation range		°CDB	10 to 52						
Refrigerant	Type		R-410A						
	Charge	kg	10.0 + 11.6	11.6 + 11.6	11.6 + 11.7	11.7 + 11.7	11.6 + 11.7		11.7 + 11.7
Piping connections	Liquid	mm	ϕ 19.1 (Brazing)						
	Gas	mm	ϕ 34.9 (Brazing)	ϕ 41.3 (Brazing)					

Model			RXQ48BY14	RXQ50BY14	RXQ52BY14	RXQ54BY14	RXQ56BY14	RXQ58BY14	RXQ60BY14
Combination units			RXQ22BY14	RXQ24BY14	RXQ26BY14	RXQ18BY14	RXQ18BY14	RXQ18BY14	RXQ20BY14
			RXQ26BY14	RXQ26BY14	RXQ26BY14	RXQ18BY14	RXQ18BY14	RXQ20BY14	RXQ20BY14
			—	—	—	RXQ18BY14	RXQ20BY14	RXQ20BY14	RXQ20BY14
Power supply			Y14: 3-phase 4-wire system, 380-415 V, 50 Hz						
Cooling capacity		Btu/h	457,000	478,000	498,000	512,000	532,000	553,000	573,000
		kW	134	140	146	150	156	162	168
Power consumption		kW	41.4	43.7	47.0	41.4	43.5	45.6	47.7
Capacity control		%	4 – 100			3 – 100			
Performance	EER (Outdoor)		3.24	3.20	3.11	3.62	3.59	3.55	3.52
Casing colour			Ivory white (5Y7.5/1)						
Compressor	Type		Hermetically sealed scroll type						
	Motor output	kW	8.9 + 11.1	9.8 + 11.1	11.1 + 11.1	7.9 + 7.9 + 7.9	7.9 + 7.9 + 8.3	7.9 + 8.3 + 8.3	8.3 + 8.3 + 8.3
Fan	Airflow rate	m^3/min	375 + 411	390 + 411	411 + 411	258 + 258 + 258	258 + 258 + 306	258 + 306 + 306	306 + 306 + 306
Dimensions (H x W x D)		mm	(1,660 x 1,750 x 765) + (1,660 x 1,750 x 765)			(1,660 x 1,240 x 765) + (1,660 x 1,240 x 765) + (1,660 x 1,240 x 765)			
Machine weight		kg	354 + 354	354 + 354	354 + 354	285 + 285 + 285	285 + 285 + 293	285 + 293 + 293	293 + 293 + 293
Sound level		dB(A)	71	72		68	69	70	
Operation range		°CDB	10 to 52						
Refrigerant	Type		R-410A						
	Charge	kg	11.7 + 11.7			11.6 + 11.6 + 11.6	11.6 + 11.6 + 11.7	11.6 + 11.7 + 11.7	11.7 + 11.7 + 11.7
Piping connections	Liquid	mm	ϕ 19.1 (Brazing)						
	Gas	mm	ϕ 41.3 (Brazing)						

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