



Cooling Only 50 Hz

R-410A

NEW!



EGAT NO. 5
ENERGY SAVING LABEL



VRV
A SERIES

NEW

VRV joined EGAT No. 5 Energy Saving Label

from 1 Jan 2024 onward. Become Daikin Highest SEER Series, Ultra High Energy Efficiency.

*SEER will cover all VRV model under 100,000 BTU/h

		VRV X SERIES		VRV A SERIES		VRV S High Seasonal Efficiency SERIES		VRV IV S SERIES																																																																																																																																																																																																																																																														
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 RXMQ-A/B 4 HP: 1-phase, 220 V, 50 Hz 5-6 HP: 1-phase, 220-240 V/ 220-230 V, 50/60 Hz 8-9 HP: 3 phase, 380-415 V, 50 Hz	Heavy anti-corrosion model VRV A MAX RXQ-AW Saves space and delivers excellent performance The VRV A series achieves high efficiency in a design that is more compact and lightweight. It also offers comfort, easy installation, and high reliability to meet the needs in various buildings. Lineup <table border="1"> <tr> <th>HP</th> <th>6</th><th>8</th><th>10</th><th>12</th><th>14</th><th>16</th><th>18</th><th>20</th><th>22</th><th>24</th><th>26</th><th>28</th><th>30</th><th>32</th><th>34</th><th>36</th><th>38</th><th>40</th><th>42</th><th>44</th><th>46</th><th>48</th><th>50</th><th>52</th><th>54</th><th>56</th><th>58</th><th>60</th> </tr> <tr> <td>Single outdoor units</td> <td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td> </tr> <tr> <td>Double outdoor units</td> <td></td><td></td><td></td><td></td><td></td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td> </tr> <tr> <td>Triple outdoor units</td> <td></td><td></td><td></td><td></td><td></td><td></td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td> </tr> </table>	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	Single outdoor units	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	Double outdoor units						●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	Triple outdoor units							●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	Especially designed for residential houses, small office and shops New VRV S High Seasonal Efficiency series achieves higher energy efficiency with a variety of function for comfort and high performance. A wide range of options for installation location and application are easily achieved by the low height casing, long piping length and other features. Lineup <table border="1"> <tr> <th>HP</th> <th>4</th><th>5</th><th>6</th><th>7</th><th>8</th><th>9</th> </tr> <tr> <td>Cooling Only</td> <td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td> </tr> </table>	HP	4	5	6	7	8	9	Cooling Only	●	●	●	●	●	●	Especially designed for residential houses, small offices and shops VRV IV S series aims to provide sufficient capacity, along with the compact size required by residential houses, small offices and shops. Outdoor units are designed to be slim and space saving to suit your needs. Lineup <table border="1"> <tr> <th>HP</th> <th>4</th><th>5</th><th>6</th><th>8</th><th>9</th> </tr> <tr> <td>Cooling Only</td> <td>●</td><td>●</td><td>●</td><td>●</td><td>●</td> </tr> </table>	HP	4	5	6	8	9	Cooling Only	●	●	●	●	●																																																																																																																					
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Exceeding Boundaries with Innovative Energy Savings

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

VRV + VRT + VAV



VRV
X series / A series
movie

VRV



Energy savings & comfort

- Uniting VRV, VRT and VAV technologies
- Quiet operation

Design flexibility & easy installation

- Automatic refrigerant charge function
- Varied lineup of models

High reliability

- Refrigerant cooled PCB
- Double backup operation
- Heavy anti-corrosion model

New Products Information

VRV S *High Seasonal Efficiency SERIES*

The ideal air conditioning system
for residential houses,
small offices and shops

- ✓ Higher energy efficiency
- ✓ VRT Smart Control
- ✓ Quiet operation



Presentation
Movie



RSUQ-A

Energy savings
& comfort

High performance
& reliability

Design
flexibility of
installation

- ✓ Extended operation range up to 52°C
- ✓ High voltage shield PCB
- ✓ Automatic refrigerant charge function

- ✓ The high external static pressure of 40 Pa enables installation in small installation spaces where the airflow direction needs to be diverted to avoid short circuits.
- ✓ Low height casing design
- ✓ Increased actual piping length up to 120 m

New Products Information

Streamer Technology in VRV indoor unit



FXFTQ-AVS / FXFRQ-AVS



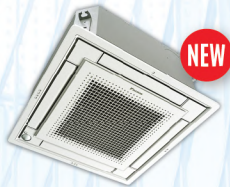
FXZQ-BV2S



STREAMER TECHNOLOGY



Irradiate streamers when the fan and air conditioning operation is stopped. The streamer fumigates the cabin and sterilizes the filter.



FXCQ-BVMS



FXHQ-BVMS



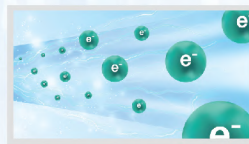
BDEZ500A-VE



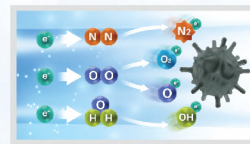
Why Daikin Streamer?

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

Mechanism of decomposition by Streamer



Streamer emits high-speed electrons.



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



The decomposing elements provide decomposition power.

Stylish Remote Controller

NEW

A complete redesigned controller focused to enhance user experience



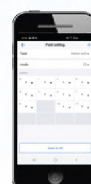
BRC1H63W (White)



BRC1H63K (Black)



reddot design award

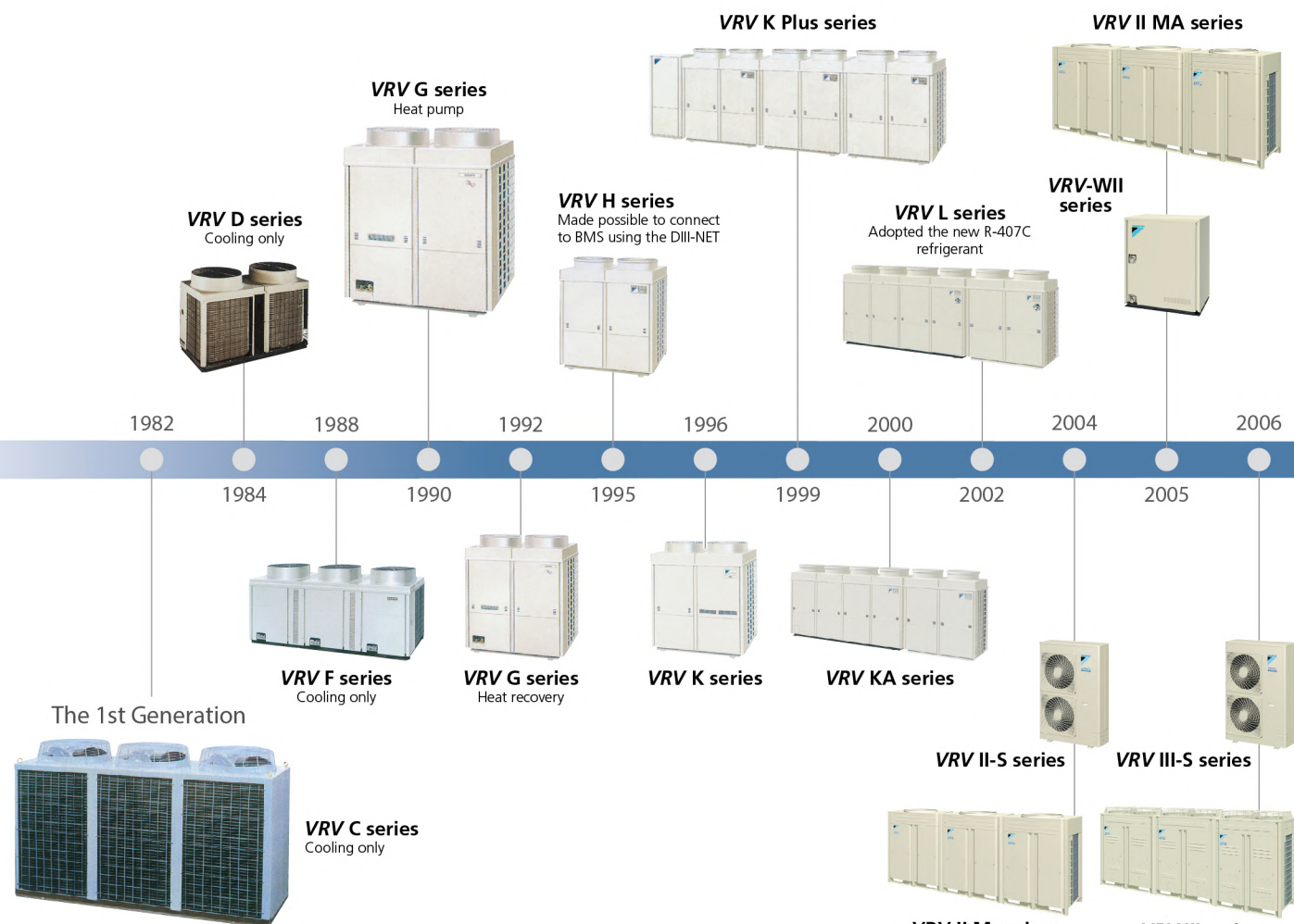


- ✓ Two attractive colors to match any interior
- ✓ Compact, measures only 85 x 85 mm
- ✓ Easy setting via Bluetooth App with smartphone (for Installer/Facility manager)
- ✓ Improved setback function to keep hotel room comfortable

- ✓ Improved Setback Function
- ✓ 4 types of new ventilation related icons

VRV Development History

To meet the needs of the times, we've been continuously developing technologies as the leading air conditioning manufacturer in the world.



VRV series released in 1982

The birth of innovative products that changed the history of air conditioning technology

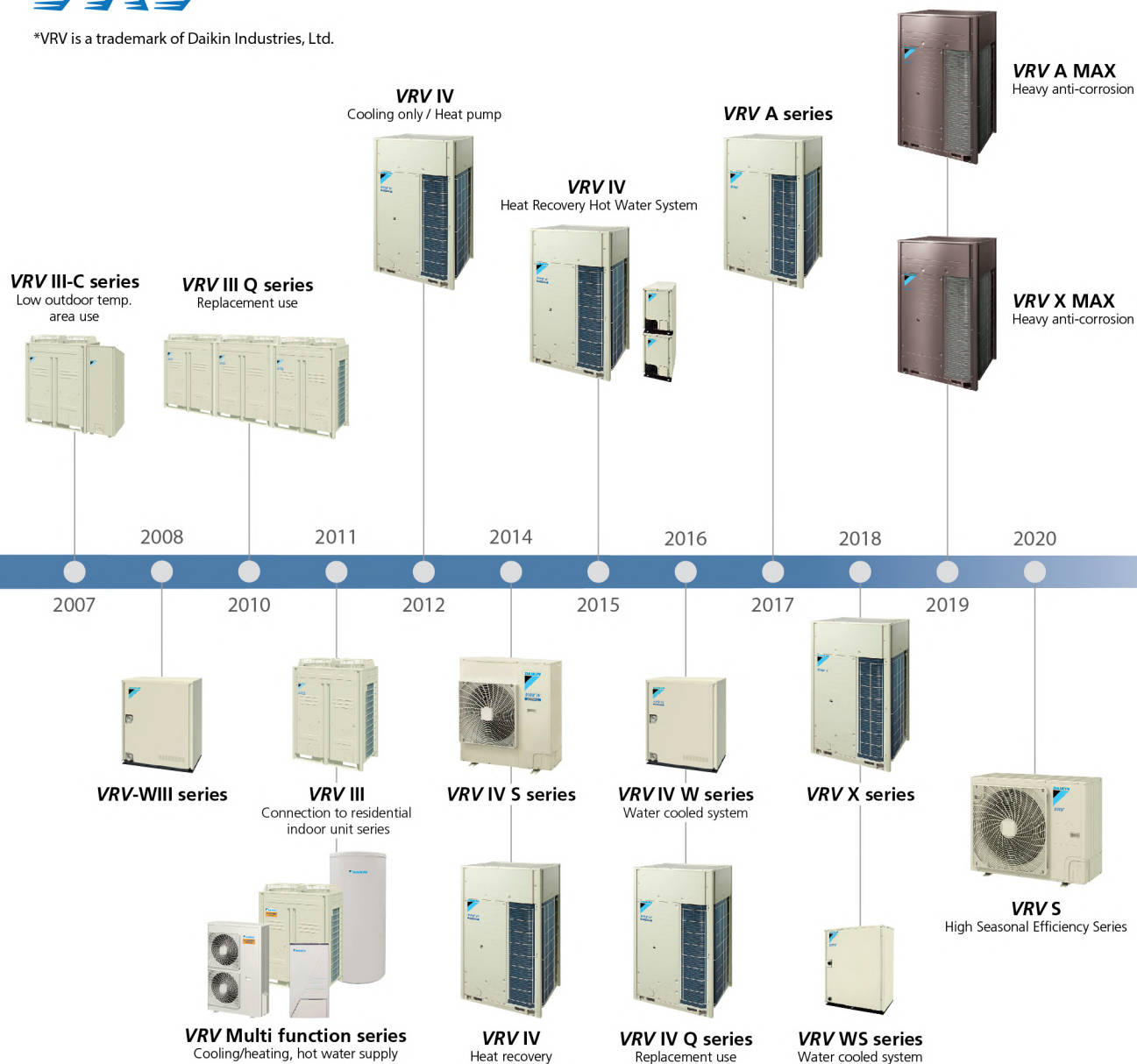
- 2.5-year development term
- Completion of development in May, 1982
- Technical award of Japan Society of Refrigerating & Air-conditioning Engineers in 1983

Expansion of the country of sale

Sales companies well established
in more than 70 countries



*VRV is a trademark of Daikin Industries, Ltd.



Wide Variety of Series Models to Supply Total Air Solutions



RXUQ-A
3-phase 4-wire system,
380-415 V, 50 Hz

VRV X SERIES

Heavy anti-corrosion model
VRV X MAX
RXUQ-AW



New heights in energy efficiency during actual operation

The VRV X series features new models specially developed for higher efficiency. All compressors used in outdoor units are new scroll compressors designed to enhance energy efficiency.



Lineup

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



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

VRV A SERIES

Heavy anti-corrosion model
VRV A MAX
RXQ-AW



Saves space and delivers excellent performance

The VRV A series achieves high efficiency in a design that is more compact and lightweight. It also offers comfort, easy installation, and high reliability to meet the needs in various buildings.



Lineup

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



RSUQ-A
4-6 HP: 1-phase, 220-240/220-230 V, 50/60 Hz
7-9 HP: 3-phase, 380-415 V, 50 Hz

VRV S High Seasonal Efficiency SERIES

Especially designed for residential houses, small office and shops

New VRV S High Seasonal Efficiency series achieves higher energy efficiency with a variety of function for comfort and high performance. A wide range of options for installation location and application are easily achieved by the low height casing, long piping length and other features.



Lineup

HP	4	5	6	7	8	9
Cooling Only	●	●	●	●	●	●



RXMQ-A/B
4 HP: 1-phase, 220 V, 50 Hz
5-6 HP: 1-phase, 220-240 V/220-230 V, 50/60 Hz
8-9 HP: 3-phase, 380-415 V, 50 Hz

VRV IV S SERIES

Especially designed for residential houses, small offices and shops

VRV IV S series aims to provide sufficient capacity, along with the compact size required by residential houses, small offices and shops. Outdoor units are designed to be slim and space saving to suit your needs.



Lineup

HP	4	5	6	8	9
Cooling Only	●	●	●	●	●

From residential houses to large buildings,
and from newly constructed to renovated buildings,
VRV system meets a wide range of air conditioning needs
and supplies total air solutions.



RQQ-T
3-phase 4-wire system,
380-415 V, 50 Hz

VRV IV Q SERIES

For quick & high quality replacement use

VRV IV Q series, a replacement VRV unit, can be installed using existing refrigerant piping, so renovation of the air conditioning system can be carried out quickly and smoothly. This minimises inconveniences to activities and users in the building.

Lineup

HP	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48
Standard Type	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Space Saving Type							●	●					●	●	●	●	●	●	●	●	●	●



RWEYQ-T
3-phase 4-wire system,
380-415 V, 50 Hz

VRV IV W SERIES

Water cooled system suitable for tall multi-storied buildings

Water cooled VRV IV W series utilises water as a heat source. The temperature of heat source water can be from 10°C to 45°C, and outdoor air temperature does not affect cooling capacity. The outside unit is compact and saves space in the machine room.

Lineup

HP	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36
Cooling Only	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●



RWXQ-A
1-phase, 220-240 V/220 V, 50/60 Hz

VRV WS SERIES

Water cooled system suitable for residential houses

Water cooled VRV WS series outside units are designed to be compact and lightweight, and single phase power supply enables simplified installation in residential applications.

Lineup

HP	4	5	6
Cooling Only	●	●	●



RWHQ-T / HWHQ30A
3-phase 4-wire system,
380-415 V, 50 Hz

VRV IV HEAT RECOVERY HOT WATER SYSTEM

Comfortable air conditioning and energy-efficient
hot water heating

This energy-efficient, multifunction system recovers waste heat generated by air conditioning, as energy to heat water. It is suitable for different business applications and provides flexible combination of VRV IV indoor units achieving comfort and aesthetic.

Lineup

HP	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
High-COP Type				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●					
Standard Type	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Space Saving Type							●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●					

VRV A SERIES

**Saves Space and
Delivers Excellent Performance**

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



Single Outdoor units
RXQ6-20AY1S(W)

Double Outdoor units
RXQ18-40AMY1S(W)

Triple Outdoor units
RXQ42-60AMY1S(W)

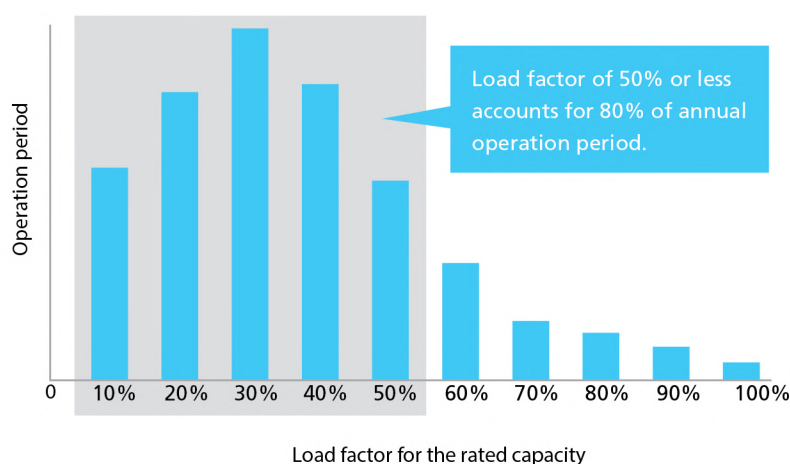
*(W): Heavy anti-corrosion model

Greater energy savings during low-load operation

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

The key to innovative energy savings

Increased efficiency during low-load operation.



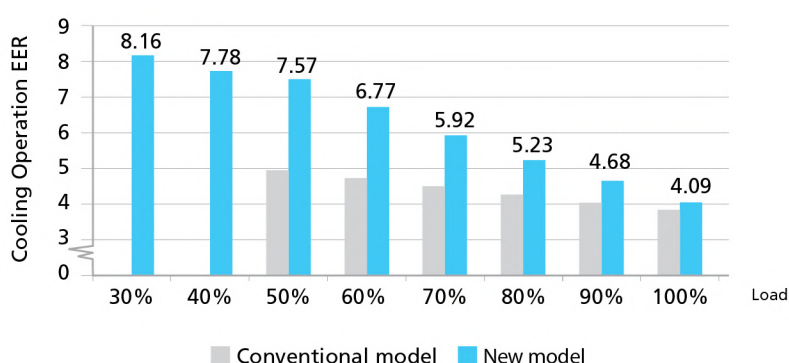
*** Data source**

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

Higher Energy Efficiency Ratio (EER) for 10 HP

Annual power consumption

14% Lower



*** Simulation conditions:**

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

*** Cooling operation conditions:**

- Indoor temperature of 27°CDB, 19°CWB, and outdoor temperature of 35°CDB.

Advanced Technologies

Advanced technologies for greater energy savings

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

Software technology

VRT Smart Control

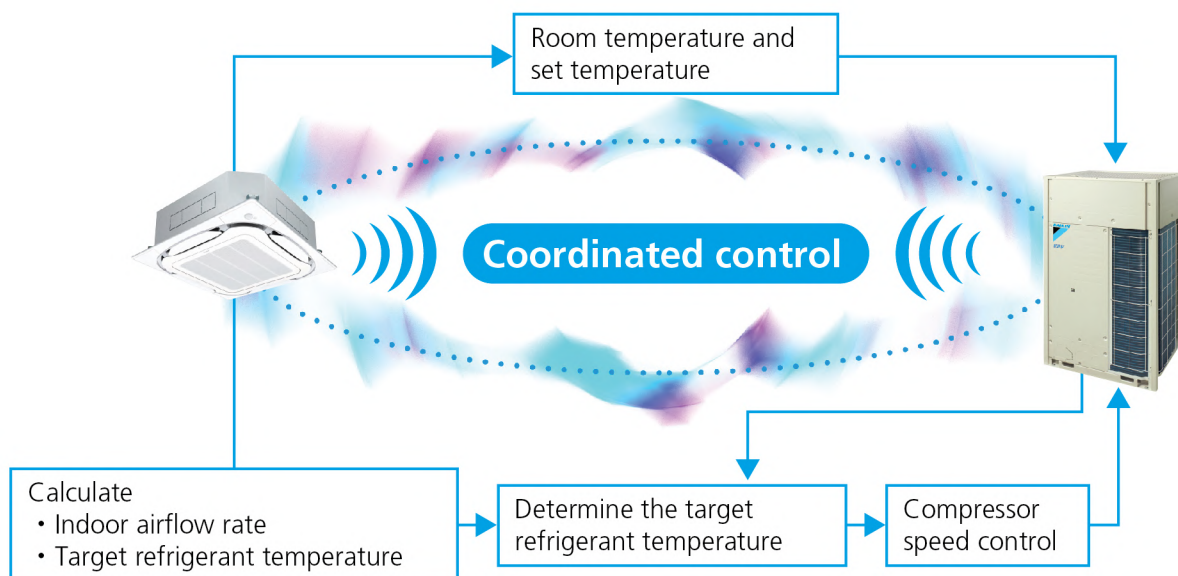
Fully Automatic Energy-saving Refrigerant Control



VRT Smart Control Function movie

■ Optimally supply only for the needed capacity of indoor units

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



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

VRV + VRT + VAV

Hardware technology

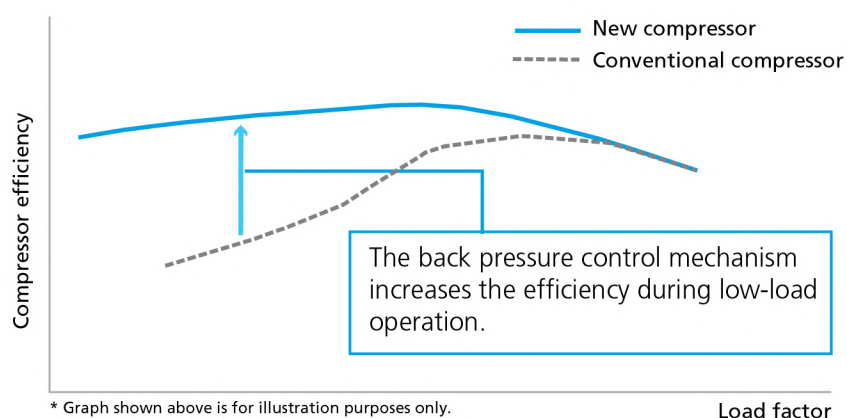
New Scroll Compressor



New Scroll Compressor movie

Refrigerant leakage is minimized during low-load operation

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

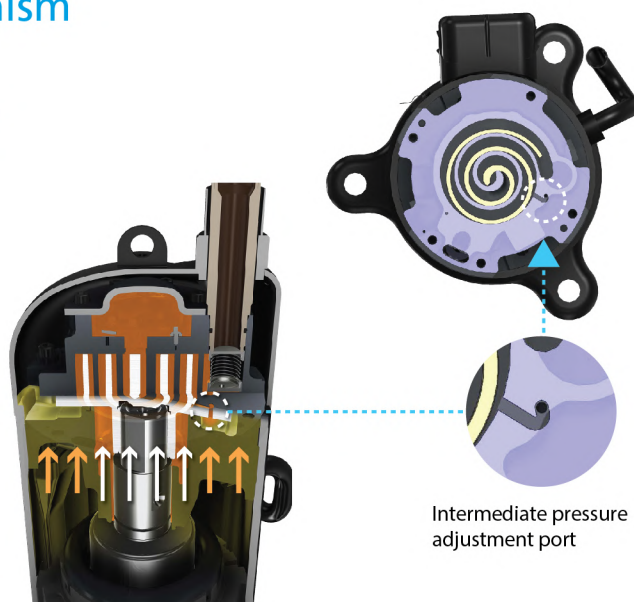


Back pressure control mechanism

New intermediate pressure mechanism

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

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



Advanced Technologies

Advanced oil temperature control

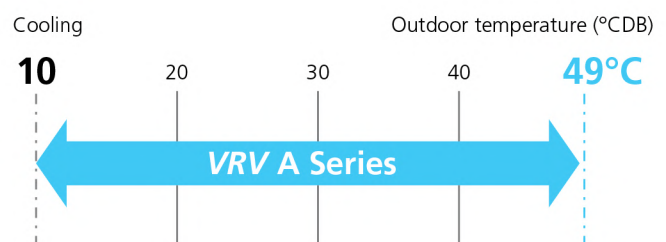
Standby power needed for preheating refrigerator oil was reduced up to **82.7%** to save energy when the air conditioner is stopped.

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

82.7%
Reduction

Extended operation range up to 49°C

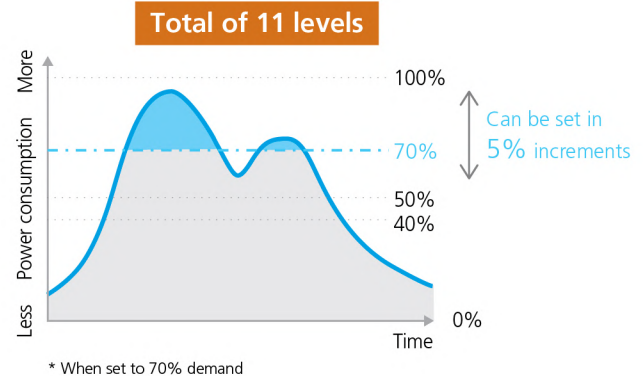
Note: When outdoor temperature falls below 10°C, the thermostat shuts OFF, the outdoor unit stops, and operation switches from cooling to fan operation.



I-demand function

Peak power cut-off can be accomplished according to each user situation.

* Set on the PCB of the outdoor unit.



High external static pressure

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

Automatic refrigerant charge function

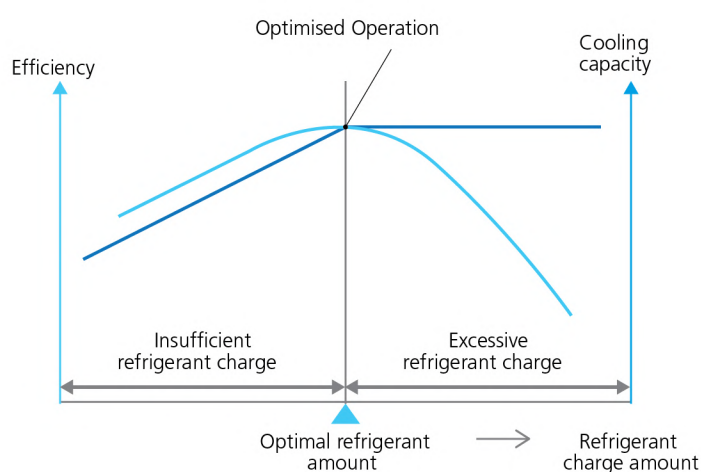
Contribute to optimised operation efficiency, higher quality and easier installation.

■ Optimised operation efficiency

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



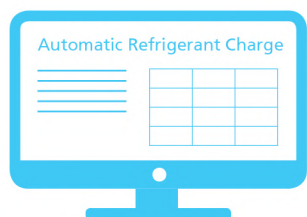
Automatic Refrigerant Charge Function movie



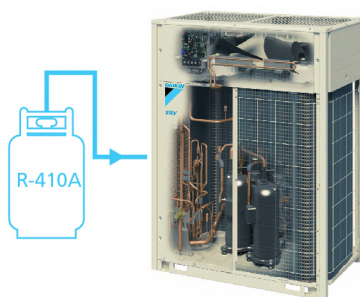
■ Higher quality and easier installation

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

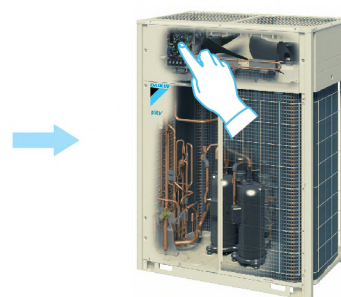
1 Calculation of necessary refrigerant amount from design drawing



2 Pre-charge of refrigerant



3 Start of automatic refrigerant charge operation



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

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

Comfort & Reliability

Comfort

Nighttime quiet operation function

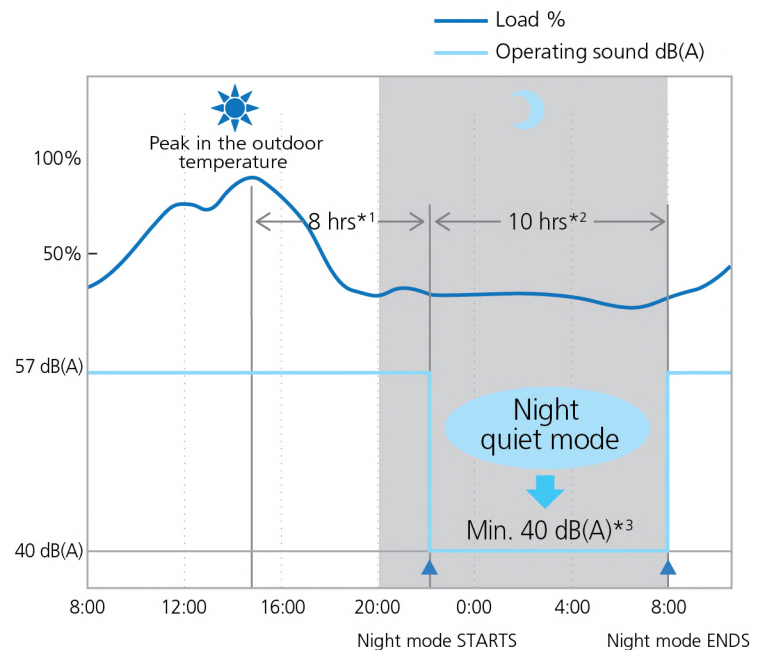
The nighttime quiet operation function automatically suppresses the nighttime operating sound by reducing operation capacity to maintain the quiet environment of the neighborhood. Three selectable modes are available depending on the required level.

*1. Initial setting is 8 hours. Can be selected from 6, 8 and 10 hours.

*2. Initial setting is 9 hours. Can be selected from 8, 9 and 10 hours.

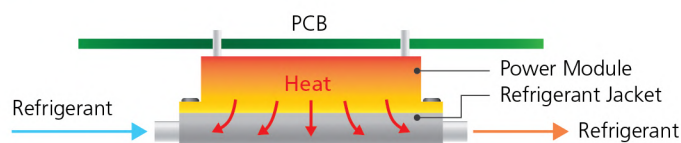
*3. In case of 10 HP outdoor unit.

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

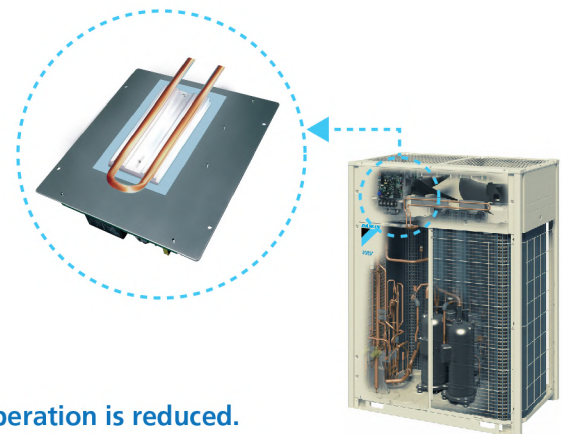


Reliable and stable technology

High reliability at high ambient temperature



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



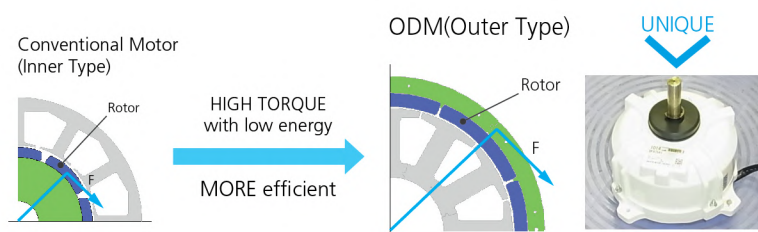
Control board failure ratio at stable operation is reduced.

This enables

- Suitability for high ambient temperatures
- Miniaturization of electronic components

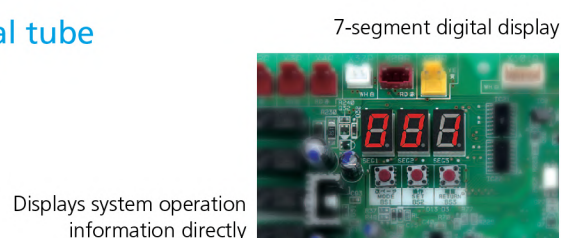
Outer rotor DC motor (ODM)

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



Function of information display by luminous digital tube

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

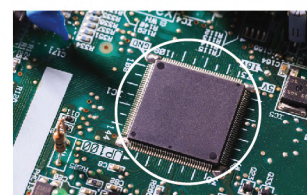
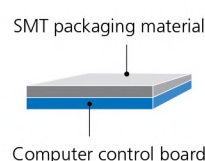


SMT* packaging technology

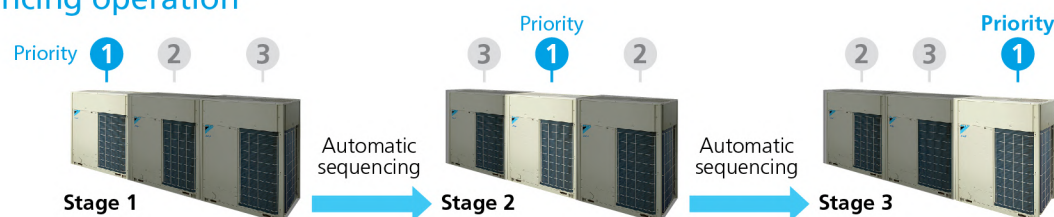
- Improves the anti-clutter performance.
- Protects your computer boards from the adverse effects of sandy climates and humid weather.

* SMT: Surface mounted technology

Computer control board surface adopting SMT packaging technology



Automatic sequencing operation



Double backup operation functions

Unit backup operation function



Compressor backup operation function

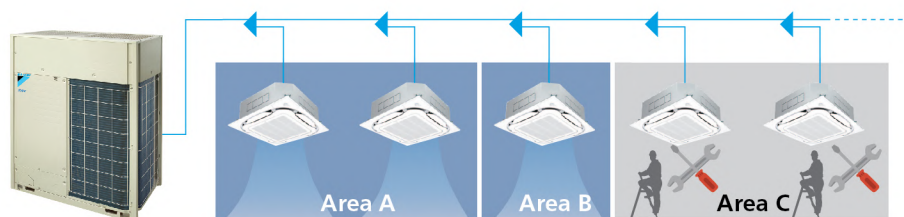


* For single outdoor unit system RXQ16-20AY15 models. On-site settings are required using the PCB of the outdoor unit.

Ease of maintenance

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

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



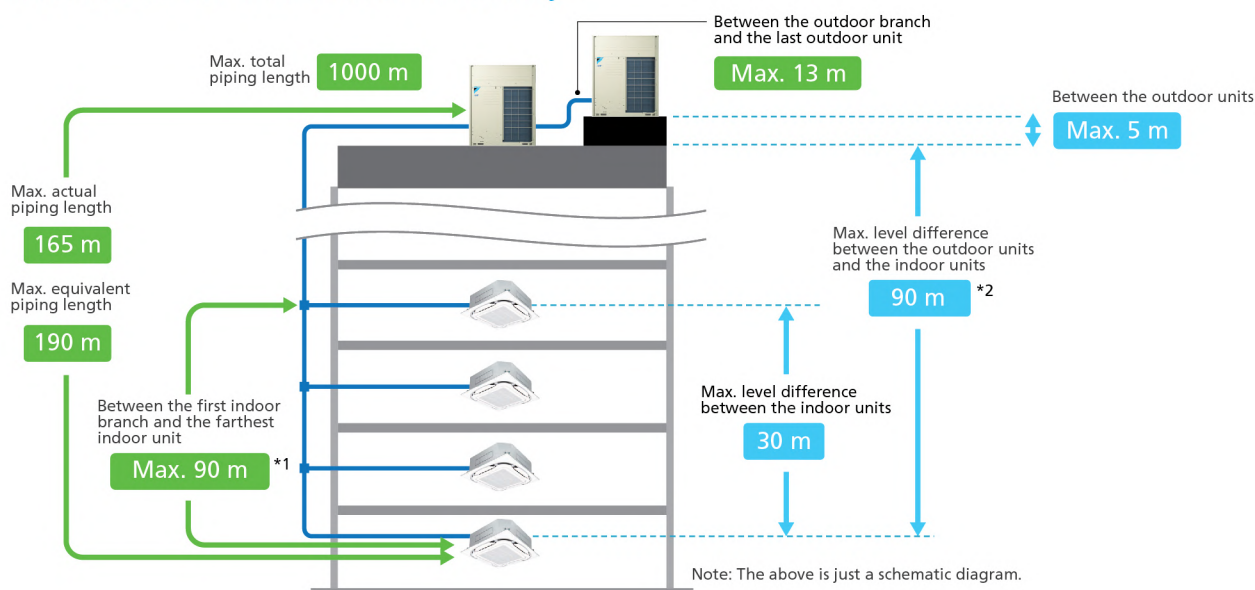
Flexible System Design

More options for installation location

Long piping length

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

Installation for VRV indoor units only



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

^{*1}. No special requirements up to 40 m. The maximum actual piping length can be 90 m, depending on conditions. The VRV A series is easy to extend to 90 m by lessening the conditions from conventional VRV IV models. Be sure to refer to the Engineering Data Book for details of these conditions and requirements.

^{*2}. When level differences are 50 m or more, the diameter of the main liquid piping size must be increased. If the outdoor unit is above the indoor unit, a dedicated setting on the outdoor unit is required. Refer to the Engineering Data Book and contact your local dealer for more information.

Connection ratio

Connection capacity at maximum is 200%.

Connection ratio
50%–200%

Conditions of VRV indoor unit connection capacity

Applicable VRV indoor units	    	Other VRV indoor unit models ^{*1}
Single outdoor units	200%	200%
Double outdoor units		160%
Triple outdoor units		130%

^{*1} For the FXF(S)Q25 and FXVQ models, maximum connection ratio is 130% for the entire range of outdoor units.

Note: If the operational capacity of indoor units is more than 130%, low airflow operation is enforced in all the indoor units.

^{*}Refer to page 43 for outdoor unit combination details.

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

Outdoor Unit Lineup

VRV A Series

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

Lineup

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

Outdoor Unit Combinations

For connection of VRV indoor units only

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

Notes: *1. For multiple connection, the outdoor unit multi connection piping kit (separately sold) is required.

*2. Values inside brackets are based on connection of indoor units rated at maximum capacity, 200% for single outdoor units, 160% for double outdoor units, and 130% for triple outdoor units. Refer to page 39 for notes on connection capacity of indoor units.

Anti-corrosion Technology

Heavy anti-corrosion model

VRV A MAX

RXQ6-20AY1SW
RXQ18-60AMY1SW



Built for
Seaside

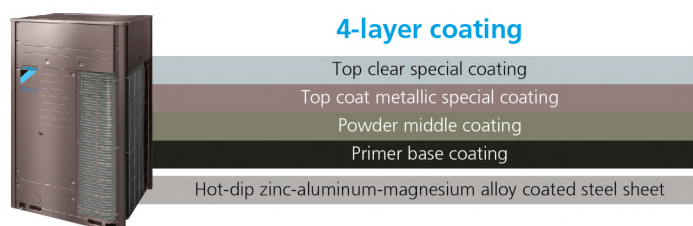


Maximize anti-corrosion and performance

Outer casing

Multi coating for extreme durability

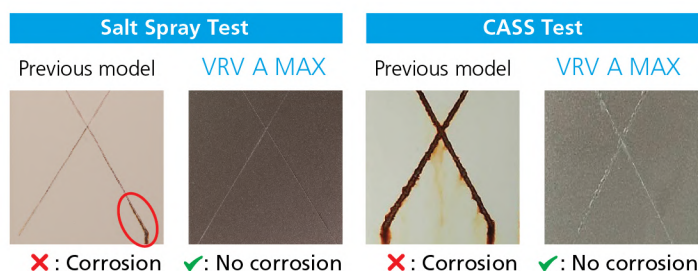
The hot-dip Zinc-Aluminum-Magnesium alloy coated sheet is optimised for even greater durability with an additional four-layer coating combination.



Anti-corrosion verification by accelerated test

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

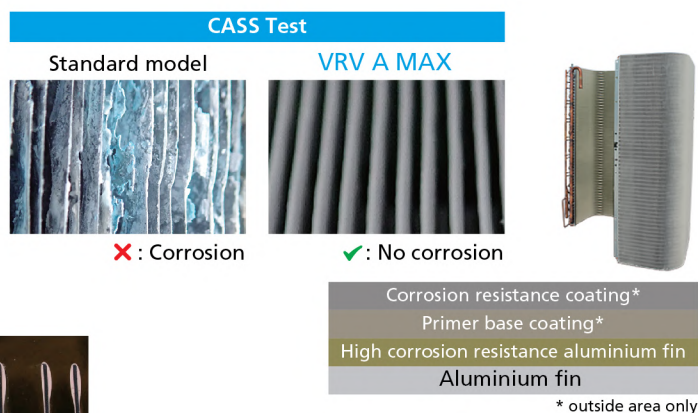
* The cross cut was made in order to simulate a severe case of coating damage and corrosion (not from regular usage).



Heat exchanger (Fin)

Anti-corrosion technology

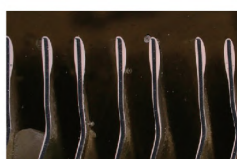
The aluminum fins on VRV A MAX are manufactured with thicker anti-corrosion layer including an additional two-layer coating.



High performance technology

New aluminum fins are 21% thicker to maintain performance.

Automated fin coating line



Achieves both anti-corrosion and high efficiency

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

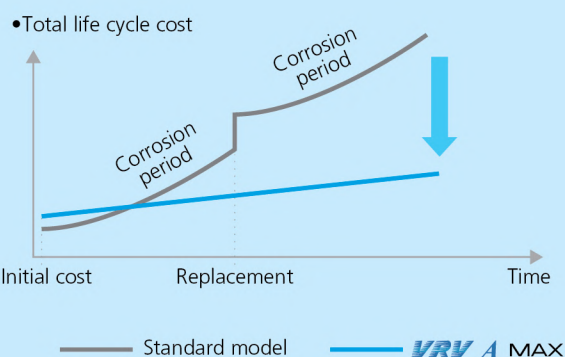
■ Maximize lifespan

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

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

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

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



VRV A MAX

Built for seaside

Previous model: Anti-corrosion

VRV A MAX : Heavy Anti-corrosion

Must be installed at least 300 m away from the sea in a location not in direct contact with sea wind. 300 - 1,000 m	Can be installed right by the sea Must be installed where the unit does not get into contact with seawater. 0 - 1,000 m
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■ Specifications of anti-corrosion model

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

Specifications

											
MODEL			RXQ6AY1S(W)	RXQ8AY1S(W)	RXQ10AY1S(W)	RXQ12AY1S(W)	RXQ14AY1S(W)	RXQ16AY1S(W)	RXQ18AY1S(W)		
Combination units			—	—	—	—	—	—	—		
			—	—	—	—	—	—	—		
Power supply			3-phase 4-wire system, 380-415 V, 50 Hz								
Cooling capacity	Btu/h		54,600	76,400	95,500	114,000	136,000	154,000	171,000		
	Btu/h*		54,900	76,900	96,200	115,000	137,300	154,600	171,800		
	kW		16.0/16.1*	22.4/22.6*	28.0/28.2*	33.5/33.7*	40.0/40.3*	45.0/45.3*	50.0/50.4*		
COP			4.73	4.33	4.09	3.85	3.74	3.49	3.27		
SEER ★1			21.24	20.13	20.20	-	-	-	-		
EGAT Label No.5						-	-	-	-		
Power consumption	kW		3.38	5.17	6.84	8.70	10.7	12.9	15.3		
Capacity control	%		25-100	20-100	13-100	12-100	11-100	10-100	10-100		
Casing colour			Ivory white (5Y7.5/1) (Metallic brown ★2)								
Compressor	Type		Hermetically sealed scroll type								
	Motor output	kW	2.3×1	3.4×1	4.5×1	5.6×1	6.4×1	(3.5×1)+(3.5×1)	(4.0×1)+(4.0×1)		
Airflow rate	m³/min		119	178		191	257				
Dimensions (H×W×D)	mm		1,657×930×765				1,657×1,240×765				
Machine weight	kg		175 (180 ★2)		185 (195 ★2)		215 (235 ★2)	260 (280 ★2)			
Sound level	dB(A)		56		57	59	60		61		
Operation range		°CDB	10 to 49								
Refrigerant	Type		R-410A								
	Charge	kg	5.9		6.7	6.8	7.4	8.2	8.4		
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			RXQ32AMY1S(W)	RXQ34AMY1S(W)	RXQ36AMY1S(W)	RXQ38AMY1S(W)	RXQ40AMY1S(W)	RXQ42AMY1S(W)	RXQ44AMY1S(W)		
Combination units			RXQ14AY1S(W)	RXQ16AY1S(W)	RXQ18AY1S(W)	RXQ18AY1S(W)	RXQ20AY1S(W)	RXQ12AY1S(W)	RXQ12AY1S(W)		
			RXQ18AY1S(W)	RXQ18AY1S(W)	RXQ18AY1S(W)	RXQ20AY1S(W)	RXQ20AY1S(W)	RXQ12AY1S(W)	RXQ12AY1S(W)		
			—	—	—	—	—	RXQ18AY1S(W)	RXQ20AY1S(W)		
Power supply			3-phase 4-wire system, 380-415 V, 50 Hz								
Cooling capacity		Btu/h	307,000	324,000	341,000	362,000	382,000	399,000	420,000		
		Btu/h*	309,100	326,400	342,900	363,400	383,900	402,600	423,100		
		kW	90.0/90.6*	95.0/95.7*	100/100.5*	106/106.5*	112/112.5*	117/118*	123/124*		
COP			3.46	3.37	3.27	3.21	3.16	3.58	3.5		
SEER★ ¹			-	-	-	-	-	-	-		
EGAT Label No.5			-	-	-	-	-	-	-		
Power consumption	kW	26.0	28.2	30.6	33.0	35.4	32.7	35.1			
Capacity control	%	5-100	5-100	5-100	4-100	3-100	4-100	3-100			
Casing colour			Ivory white (5Y7.5/1) (Metallic brown ★ ²)								
Compressor	Type	Hermetically sealed scroll type									
	Motor output	kW	(6.4×1)+(4.0×1) +(4.0×1)	(3.5×1)+(3.5×1) +(4.0×1)+(4.0×1)	(4.0×1)+(4.0×1) +(4.0×1)+(4.0×1)	(4.0×1)+(4.0×1) +(3.8×1)+(6.3×1)	(3.8×1)+(6.3×1) +(3.8×1)+(6.3×1)	(5.6×1)+(5.6×1) +(4.0×1)+(4.0×1)	(5.6×1)+(5.6×1) +(3.8×1)+(6.3×1)		
Airflow rate	m ³ /min	257+257				257+297	297+297	191+191+257	191+191+297		
Dimensions (H×W×D)	mm	(1,657×1,240×765)+(1,657×1,240×765)					(1,657×930×765)+(1,657×930×765)+ (1,657×1,240×765)				
Machine weight	kg	215+260 (235+280★ ²)	260+260 (280+280 ★ ²)			260+285 (280+310★ ²)	285+285 (310+310★ ²)	185+185+260 (195+195+280 ★ ²)	185+185+285 (195+195+310★ ²)		
Sound level	dB(A)	64				66	68	65	67		
Operation range	°CDB	10 to 49									
Refrigerant	Type	R-410A									
	Charge	kg	7.4+8.4	8.2+8.4	8.4+8.4	8.4+11.8	11.8+11.8	6.8+6.8+8.4	6.8+6.8+11.8		
Piping connections	Liquid	mm	φ 19.1 (Brazing)								
	Gas	mm	φ 34.9 (Brazing)			φ 41.3 (Brazing)					

Notes: 1. Specifications are based on the following conditions;

- Cooling: Indoor temp.: 27°CDB, 19°CWB; *27°CDB, 19.5°CWB * Outdoor temp.: 35°CDB, 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 and oil recovery mode.

When there is concern for noise to the surrounding area such as residences, we recommend investigating the installation location and taking soundproofing measures.

								
RXQ20AY1S(W)	RXQ18AMY1S(W)	RXQ20AMY1S(W)	RXQ22AMY1S(W)	RXQ24AMY1S(W)	RXQ26AMY1S(W)	RXQ28AMY1S(W)	RXQ30AMY1S(W)	
—	RXQ8AY1S(W)	RXQ8AY1S(W)	RXQ10AY1S(W)	RXQ12AY1S(W)	RXQ12AY1S(W)	RXQ12AY1S(W)	RXQ12AY1S(W)	
—	RXQ10AY1S(W)	RXQ12AY1S(W)	RXQ12AY1S(W)	RXQ12AY1S(W)	RXQ14AY1S(W)	RXQ16AY1S(W)	RXQ18AY1S(W)	
3-phase 4-wire system, 380-415 V, 50 Hz								
191,000	172,000	191,000	210,000	229,000	251,000	268,000	285,000	
192,300	173,200	191,900	211,200	230,100	252,500	269,500	286,800	
56.0/56.4*	50.4/50.8*	55.9/56.3*	61.5/61.9*	67.0/67.5*	73.5/74.0*	78.5/79.0*	83.5/84.1*	
3.16	4.2	4.02	3.97	3.85	3.79	3.63	3.48	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
17.7	12.0	13.9	15.5	17.4	19.4	21.6	24.0	
7-100	7-100	7-100	6-100	6-100	6-100	5-100	5-100	
Ivory white (5Y7.5/1) (Metallic brown * ²)								
Hermetically sealed scroll type								
(3.8×1)+(6.3×1)	(3.4×1)+(4.5×1)	(3.4×1)+(5.6×1)	(4.5×1)+(5.6×1)	(5.6×1)+(5.6×1)	(5.6×1)+(6.4×1)	(5.6×1)+(3.5×1) +(3.5×1)	(5.6×1)+(4.0×1) +(4.0×1)	
297	178+178	178+191		191+191	191+257			
1,657×1,240×765	(1,657×930×765)+(1,657×930×765)				(1,657×930×765)+(1,657×1,240×765)			
285 (310 * ²)	175+185 (180+195 * ²)		185+185 (195+195 * ²)		185+215 (195+235* ²)	185+260 (195+280 * ²)		
65	60	61		62	63			
10 to 49								
R-410A								
11.8	5.9+6.7	5.9+6.8	6.7+6.8	6.8+6.8	6.8+7.4	6.8+8.2	6.8+8.4	
φ 15.9 (Brazing)					φ 19.1 (Brazing)			
φ 28.6 (Brazing)				φ 34.9 (Brazing)				

								
	RXQ46AMY1S(W)	RXQ48AMY1S(W)	RXQ50AMY1S(W)	RXQ52AMY1S(W)	RXQ54AMY1S(W)	RXQ56AMY1S(W)	RXQ58AMY1S(W)	RXQ60AMY1S(W)
	RXQ14AY1S(W)	RXQ14AY1S(W)	RXQ14AY1S(W)	RXQ16AY1S(W)	RXQ18AY1S(W)	RXQ18AY1S(W)	RXQ18AY1S(W)	RXQ20AY1S(W)
	RXQ14AY1S(W)	RXQ16AY1S(W)	RXQ18AY1S(W)	RXQ18AY1S(W)	RXQ18AY1S(W)	RXQ18AY1S(W)	RXQ20AY1S(W)	RXQ20AY1S(W)
	RXQ18AY1S(W)	RXQ18AY1S(W)	RXQ18AY1S(W)	RXQ18AY1S(W)	RXQ18AY1S(W)	RXQ20AY1S(W)	RXQ20AY1S(W)	RXQ20AY1S(W)
	3-phase 4-wire system, 380-415 V, 50 Hz							
	444,000	461,000	478,000	495,000	512,000	532,000	553,000	573,000
	447,000	464,000	481,100	498,200	515,200	535,700	556,200	576,600
	130/131*	135/136*	140/141*	145/146*	150/151*	156/157*	162/163*	168/169*
	3.54	3.47	3.39	3.33	3.27	3.23	3.2	3.16
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
	36.7	38.9	41.3	43.5	45.9	48.3	50.7	53.1
	3-100	3-100	3-100	3-100	3-100	3-100	2-100	2-100
	Ivory white (5Y7.5/1) (Metallic brown ★2)							
	Hermetically sealed scroll type							
	(6.4×1)+(6.4×1) +(4.0×1)+(4.0×1)	(6.4×1)+(3.5×1)+(3.5×1) +(4.0×1)+(4.0×1)	(6.4×1)+(4.0×1)+(4.0×1) +(4.0×1)+(4.0×1)	(3.5×1)+(3.5×1)+(4.0×1) +(4.0×1)+(4.0×1)+(4.0×1)	(4.0×1)+(4.0×1)+(4.0×1) +(4.0×1)+(4.0×1)+(4.0×1)	(4.0×1)+(4.0×1)+(4.0×1) +(4.0×1)+(3.8×1)+(6.3×1)	(4.0×1)+(4.0×1)+(3.8×1) +(6.3×1)+(3.8×1)+(6.3×1)	(3.8×1)+(6.3×1)+(3.8×1) +(6.3×1)+(3.8×1)+(6.3×1)
	257+257+257					257+257+297	257+297+297	297+297+297
	(1,657×1,240×765)+(1,657×1,240×765)+(1,657×1,240×765)							
	215+215+260 (235+235+280★2)	215+260+260 (235+280+280 ★2)		260+260+260 (280+280+280 ★2)		260+260+285 (280+280+310★2)	260+285+285 (280+310+310★2)	285+285+285 (310+310+310★2)
	65			66		68	69	70
	10 to 49							
	R-410A							
	7.4+7.4+8.4	7.4+8.2+8.4	7.4+8.4+8.4	8.2+8.4+8.4	8.4+8.4+8.4	8.4+8.4+11.8	8.4+11.8+11.8	11.8+11.8+11.8
	φ 19.1 (Brazing)							
	φ 41.3 (Brazing)							

Note: *1. SEER official announced from EGAT

*2. Models with (W) are the outdoor units with anti-corrosion specifications. For details, refer to pages 19-20 for more information.

Option List

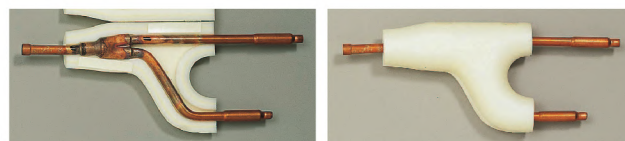
Outdoor units

VRV A SERIES

No.	Type Item		RXQ6A(W) RXQ8A(W) RXQ10A(W)	RXQ12A(W) RXQ14A(W) RXQ16A(W)	RXQ18A(W) RXQ20A(W)	RXQ18AM(W) RXQ20AM(W) RXQ22AM(W)
1	Distributive piping	REFNET header	KHRP26M22H, KHRP26M33H (Max. 4 branch) (Max. 8 branch)	KHRP26M22H, KHRP26M33H, KHRP26M72H (Max. 4 branch) (Max. 8 branch) (Max. 8 branch)		
		REFNET joint	KHRP26A22T, KHRP26A33T	KHRP26A22T, KHRP26A33T, KHRP26A72T		
2	Outdoor unit multi connection piping kit		—			BHFP22P100

No.	Type		RXQ24AM(W)	RXQ34AM(W)	RXQ42AM(W)	RXQ52AM(W)
			RXQ26AM(W)	RXQ36AM(W)	RXQ44AM(W)	RXQ54AM(W)
Item			RXQ28AM(W)	RXQ38AM(W)	RXQ46AM(W)	RXQ56AM(W)
			RXQ30AM(W)	RXQ40AM(W)	RXQ48AM(W)	RXQ58AM(W)
			RXQ32AM(W)		RXQ50AM(W)	RXQ60AM(W)
1	Distributive piping	REFNET header	KHRP26M22H, KHRP26M33H, KHRP26M72H, KHRP26M73H (Max. 4 branch) (Max. 8 branch) (Max. 8 branch) (Max. 8 branch)			
		REFNET joint	KHRP26A22T, KHRP26A33T, KHRP26A72T, KHRP26A73T			
2	Pipe size reducer		KHRP26M73TP, KHRP26M73HP			
3	Outdoor unit multi connection piping kit		BHFP22P100			BHFP22P151

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



Option PCB

No.	Type Item	RXQ6A(W) RXQ8A(W) RXQ10A(W) RXQ12A(W)	RXQ14A(W) RXQ16A(W) RXQ18A(W) RXQ20A(W)	RXQ18AM(W) RXQ20AM(W) RXQ22AM(W) RXQ24AM(W)	RXQ26AM(W) RXQ28AM(W) RXQ30AM(W)
1	DIII-NET expander adaptor ★	DTA109A51			
2	External control adaptor ★	DTA104A61			
3	Home Automation Interface Adaptor ★	DTA116A51			
4	Option plate for control adaptor	—	BKS26A*1	—	BKS26A*1

No.	Type Item	RXQ32AM(W) RXQ34AM(W) RXQ36AM(W) RXQ38AM(W)	RXQ40AM(W) RXQ42AM(W) RXQ44AM(W) RXQ46AM(W)	RXQ48AM(W) RXQ50AM(W) RXQ52AM(W) RXQ54AM(W)	RXQ56AM(W) RXQ58AM(W) RXQ60AM(W)
1	DIII-NET expander adaptor ★	DTA109A51			
2	External control adaptor ★	DTA104A61			
3	Home Automation Interface Adaptor ★	DTA116A51			
4	Option plate for control adaptor	BKS26A *1			

Note: *1. This plate is necessary for each adaptor marked . ★

VRV indoor units

 New lineup

 VRT smart

Indoor units subject to VRT smart control

 VRT

Indoor units subject to VRT control



Streamer Technology

Category	Type	Model Name		Capacity Range	0	25	32	40	50	63	71	80	100	125	140	200	250	400	500	
				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	FXFSQ-AVS				●	●	●	●	●		●	●	●	●					
		FXFTQ-AVS				●	●	●	●	●		●	●	●	●					
	Round Flow Cassette	FXFQ-AVS				●	●	●	●	●		●	●	●	●					
		FXFRQ-AVS				●	●	●	●	●		●	●	●	●					
	Compact Multi Flow Cassette	FXZQ-MVES			●	●	●	●	●											
		 FXZQ-BV2S			●	●	●	●	●											
	Double Flow Cassette	 FXCQ-BVMS			●	●	●	●	●	●		●		●						
	Single Flow Cassette	FXEQ-AV36			●	●	●	●	●	●										
Ceiling Concealed Duct	3D Airflow Duct with Sensing	FXDSQ-AVM			●	●	●	●	●	●										
	Slim Duct (Standard)	FXDQ-PDV2S (with drain pump)			●	●	●													
		FXDQ-PDVTS (without drain pump)			●	●	●													
		FXDQ-NDV2S (with drain pump)						●	●	●										
		FXDQ-NDVTS (without drain pump)						●	●	●										
	Bedroom Duct	FXDBQ-AVMS (with drain pump)						●	●	●		●								
	Slim Duct (Compact)	FXDQ-SPV1			●	●	●	●	●	●										
	Middle Static Pressure Duct	FXSQ-PAVS			●	●	●	●	●	●		●	●	●	●					
	Middle-High Static Pressure Duct	FXMQ-PAVS			●	●	●	●	●	●		●	●	●	●					
	High Static Pressure Duct	FXMQ-MVES															●	●		
		FXMQ-PVM															●	●		
	Outdoor-Air Processing Unit	FXMQ-MFV1													●		●	●		
FXMQ-BFV2S												●			●	●	●			
Ceiling Suspended	4-Way Flow Ceiling Suspended	FXUQ-AVEB									●		●							
	Ceiling Suspended	FXHQ-MAVS					●			●			●							
		 FXHQ-BVMS													●	●				
Wall Mounted	FXAQ-AVMS			●	●	●	●	●	●											
Floor Standing	Floor Standing	FXLQ-MAVE			●	●	●	●	●	●										
	Concealed Floor Standing	FXNQ-MAVE			●	●	●	●	●	●										
	Floor Standing Duct	FXVQ-NY1													●		●	●	●	●
		FXVQ-NY16 (high static pressure type)																		●
Clean Room Air Conditioner	FXBQ-PVE						●	●	●											
	FXBPQ-PVE								●											
Heat Reclaim Ventilator with DX-Coil		VKM-GCVE		Airflow rate 500-1000 m3/h																
Heat Reclaim Ventilator		VAM-HVE		Airflow rate 150-2000 m3/h																
Air Handling Unit		AHUR		6-120 HP																
Duct Streamer Chamber		 BDEZ500A-VE			Airflow rate 80-5100 m3/h															

* Optional part

Daikin Engineering Supports

VRV design and sales proposal assistance

Daikin provides engineering supports for VRV systems. It consists of design supports that can assist consultants and architects, as well as sales proposal supports for air conditioning engineers and dealers. We at Daikin provide the software, the simulation results, and drawing materials to support the building information modeling (BIM) currently entering the mainstream in construction industries.



Design assistance

For consultants and architects

Combines energy efficiency and comfort

Heat load calculation

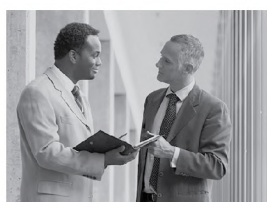
CFD simulation to optimise outdoor unit layouts

Design flexibility

Heat load calculation

Model selection

Drawing materials support



Sales proposals

For air conditioning engineers and dealers

Heat load calculation

Model selection



Model selection software

CADXpress is a flexible design software that optimises equipment selection and CAD drawing. It can empower consultants and air conditioning engineers so they can fully enhance their equipment selections to design the most effective, optimum systems possible. The software also allows the choice of outdoor units based on peak loads rather than the sum of required capacities for each indoor unit. This fine-tuning feature reduces VRV system sizes and increases efficiency.

Additionally, the CAD function enables automatic calculation of piping diameter and length without any need for CAD software.

CADXpress

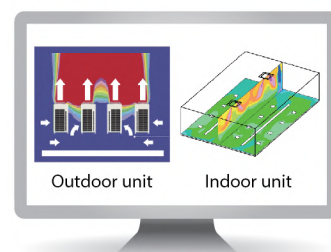


CFD simulation to optimise outdoor unit layouts

DT FLOW 2 is a simulation software that uses computational fluid dynamics (CFD), aiming to optimise outdoor unit layouts right at the design stage.

When discharged air from the outdoor unit is drawn back into the suction vent, it can short circuit the system and lead to: decrease in efficiency of cooling operations, capacity shortages, operation cut-offs, and shorter lifetime for the outdoor unit. To avoid the need for expensive layout modifications once construction is complete, Daikin uses the CFD method at the early design stage. This can help consultants and architects optimise their outdoor unit arrangement.

DT FLOW 2



New software for indoor airflow simulation will be coming soon.

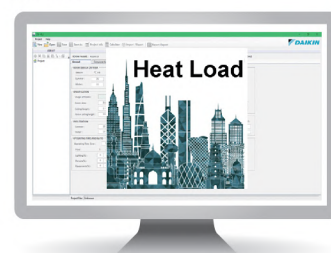
Indoor airflow simulation is a method for predicting temperature distribution and velocity distribution of indoor environment.

Heat load calculation

DS-HL2 uses ASHRAE's Radiant Time Series method to compute heat load for a 24-hour period on summer and winter days. The Radiant Time Series considers the delay in heat load coming into the room through outer walls and the roof in the form of conduction and radiation. Airflow calculation for rooms can be performed. Detailed reports are available for different breakdown requirements. Additional monthly calculation is also available with an advanced license tier.

24-hour weather data for all major cities is based on data recorded from past years.

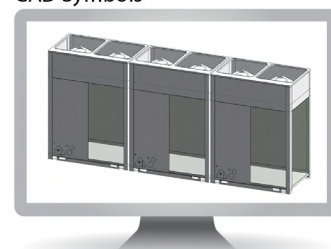
DS-HL2



Drawing supports

Users download CAD symbol drawing materials, including 2D CAD symbols and 3D Revit data, for VRV systems designing. The 3D Revit data contains specifications for Daikin products, including things like capacities and electric characteristics to support Building Information Modeling (BIM).

CAD Symbols



VRV User Benefits

For property OWNERS

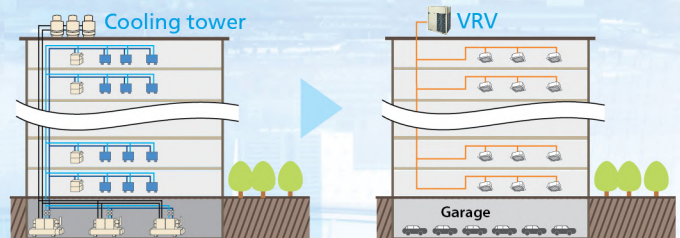
Energy saving & comfortable environment

- VRT Smart greatly reduces the energy by optimising the capacity according to heat load, especially during low-load operation.
- Comfortable indoor environment is maintained at the time.



Efficient space utilisation

- When construct a large-scale air conditioning system on a single refrigerant system, space for air conditioning is drastically reduced.
- Even with a 20-storey building all of the outdoor units can be installed on the rooftop.



High reliability

- Refrigerant cooled PCB
Daikin's unique refrigerant cooling helps maintain high cooling capacity even during high outdoor temperatures.
- Double backup operation
Unit backup & Compressor backup ensure continuous operation.

Refrigerant piping



Print circuit board



Emergency operation

Malfunction



- Heavy anti-corrosion model
The heavy anti-corrosion models can provide durable operation at humid and seaside areas. Also, outdoor unit can be installed from 0 m from coastline.





For USERS

Comfortable environment

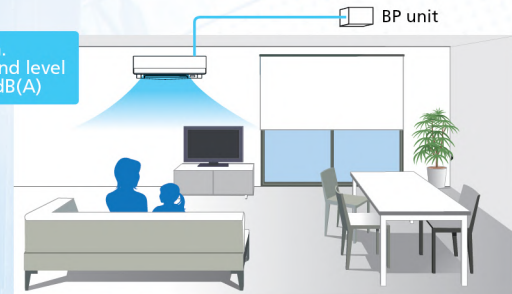
- VRT Smart operation maintains the indoor temperature and ensures a comfortable environment.

Residential indoor units

- Residential indoor units can be connected and it is possible to realise quiet operation.
- By remotely installing an BP unit, the noise of refrigerant passing through the piping can be reduced.



Min.
sound level
22 dB(A)



For CONSULTANT and DESIGN OFFICES

Varied lineup of models

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

Long piping provides more flexible system design

- Maximum equivalent piping length between indoor and outdoor unit is 190 m.
- Maximum height difference is 90 m.

Compatible with engineering software

- Daikin provide the software, the simulation results, and drawing materials to support the building information modeling (BIM) currently entering the mainstream in construction industries.

Energy efficient

- Achieves your green building solution by Daikin's innovative energy-saving technology.



CADxpress



For INSTALLERS

Automatic refrigerant charge function

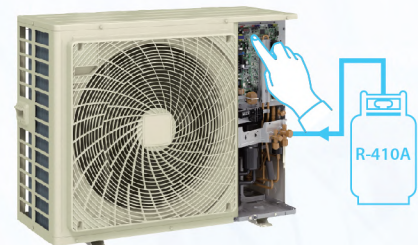
- Automates the charging of proper refrigerant amount to contribute to optimised operation efficiency, higher quality and easier installation.

Lightweight and compact large-capacity single units

- Easy to install and can be transported in elevators.

Simple piping, easy wiring

- The REFNET piping system and DIIN-NET system simplify refrigerant piping and control wiring installation.

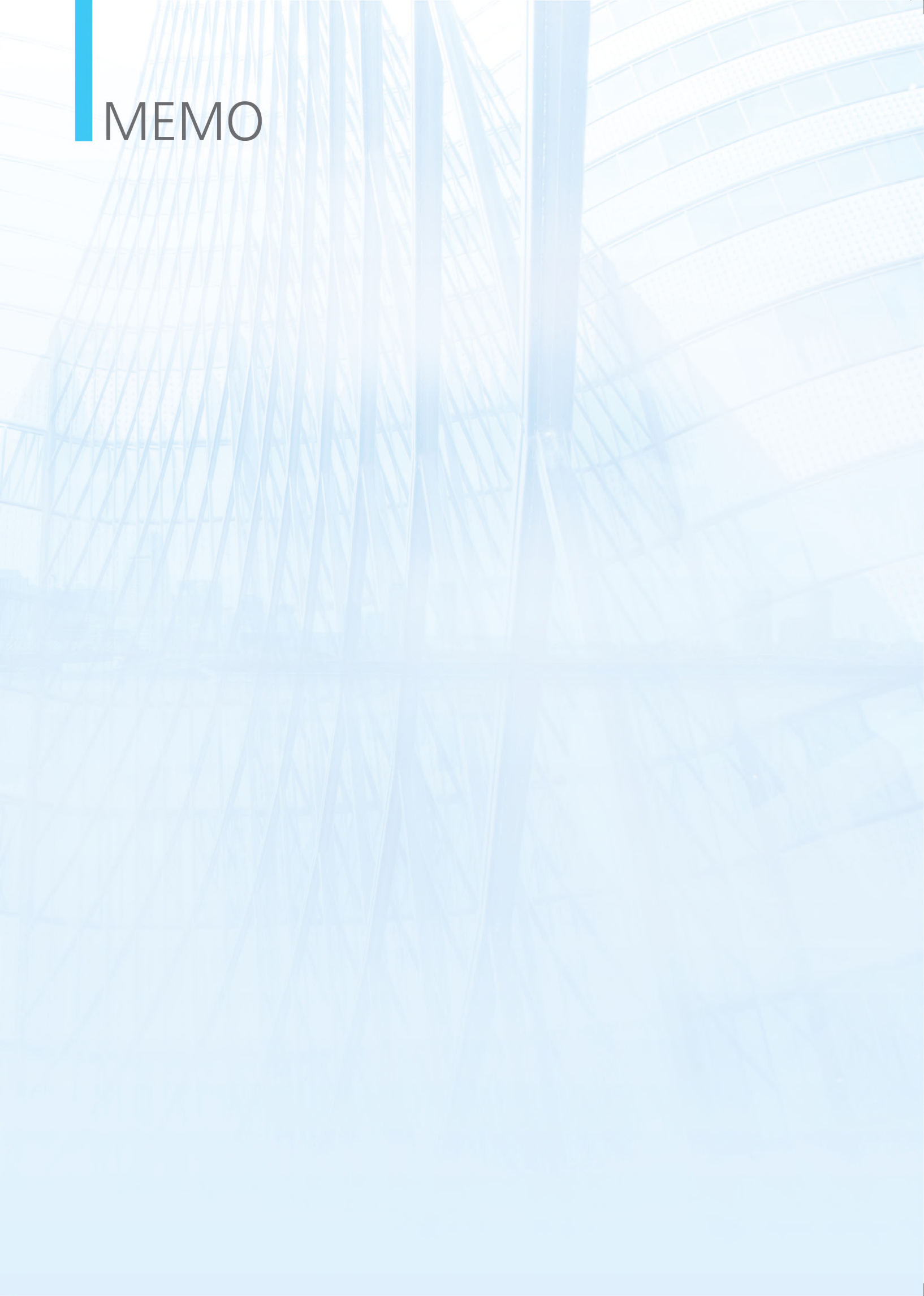


MEMO





MEMO



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.
- 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.

Notice



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.



TIS 1529-2561

This product complies with TIS1529-2561 and covers the air conditioner total cooling capacity up to 18000 W.

SIAM DAIKIN SALES CO., LTD.

22 Soi Onnuch 55/1
Pravet Subdistrict, Pravet District,
Bangkok 10250

Tel. 0-2838-3200
Fax. 0-2721-7607



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."