



VRV IV

360° efficiency



VRV IV

HEAT RECOVERY
HEAT PUMP
REPLACEMENT
WATER COOLED



VRV IV =

3 revolutionary standards 4

- Variable refrigerant temperature
- Continuous comfort during defrost
- VRV configurator



4
6
8

+ VRV IV technologies 8

+ Integrated climate control 10

+ VRV IV heat recovery technologies 12

Improved operational efficiency:

- Improved efficiency during heat recovery mode with 15%
- Free heating or hot water by recovering heat from areas requiring cooling
- Optimal comfort for everybody by simultaneous cooling spaces while heating others

Improved design efficiency:

- Integrated climate control covering all thermal loads in the building
- Free combination of outdoor units, single and multi BS boxes
- Unique range of single and multi BS boxes

Improved installation efficiency:

- Fully redesigned multi BS boxes, smaller and up to 70% lighter
- No limit on number of unused ports
- Connect indoor units up to 28kW to a single and multi BS box

Variable refrigerant temperature

Customize your VRV for best seasonal efficiency & comfort

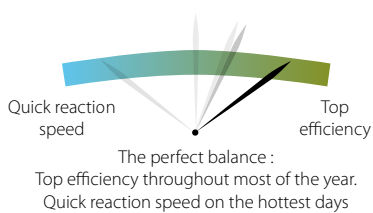
Thanks to its revolutionary variable refrigerant temperature technology, VRV IV continuously adjusts the refrigerant temperature to the actual temperature and capacity needed, thus providing optimal seasonal efficiency at all times.

- Improved seasonal efficiency with 28%
- Weather dependent
- Comfort and efficiency are optimised to suit the building requirements
- Customer comfort is assured with automatic adjustment of refrigerant temperature leading to higher outblow temperatures (avoiding cold draft)

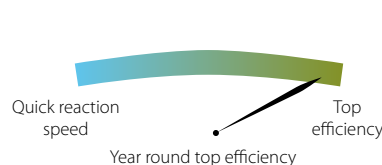
→ Different modes:

The system can be easily customised via preset modes. With the modes you choose to optimise the system towards your required balance between comfort and efficiency

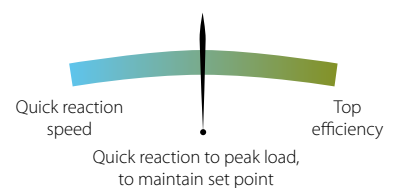
Automatic mode (Default setting on VRV IV)



High sensible mode

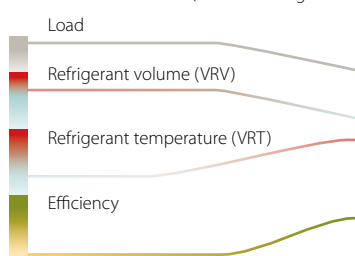


Basic mode (current VRF standard)

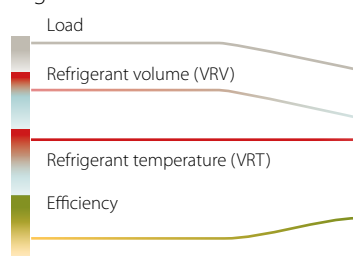


→ Effect of preset modes on efficiency and reaction speed:

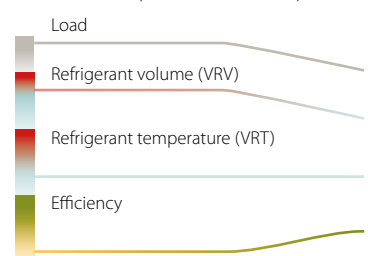
Automatic mode (Default setting on VRV IV)



High sensible mode



Basic mode (current VRF standard)



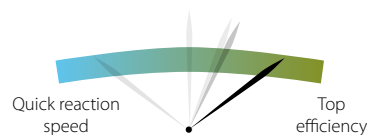


Variable Refrigerant Temperature

→ Unique VRT automatic mode leads to 28% increase in seasonal efficiency

In automatic mode the system will go for maximum efficiency throughout most of the year and for quick reaction speed on the hottest days, ensuring comfort at all times while still resulting in an increased seasonal efficiency up to 28%.

Automatic mode (Default setting on VRV IV)



The perfect balance :
Maximum efficiency throughout most of the year. Quick reaction speed on the hottest days

How is this 28% increase of seasonal efficiency achieved?

In automatic mode, the system constantly adjusts both refrigerant temperature and volume, according to the total required capacity and weather conditions.

For example, in mid season or when there is little occupancy in a building there is less cooling needed and the system will adjust its refrigerant temperature to a higher temperature so less energy is needed, leading to major savings in seasonal efficiency.

Only when a system can fully recognise and accurately react to the building variations energy waste can be prevented, the VRV IV system can.

Continuous heating during defrost

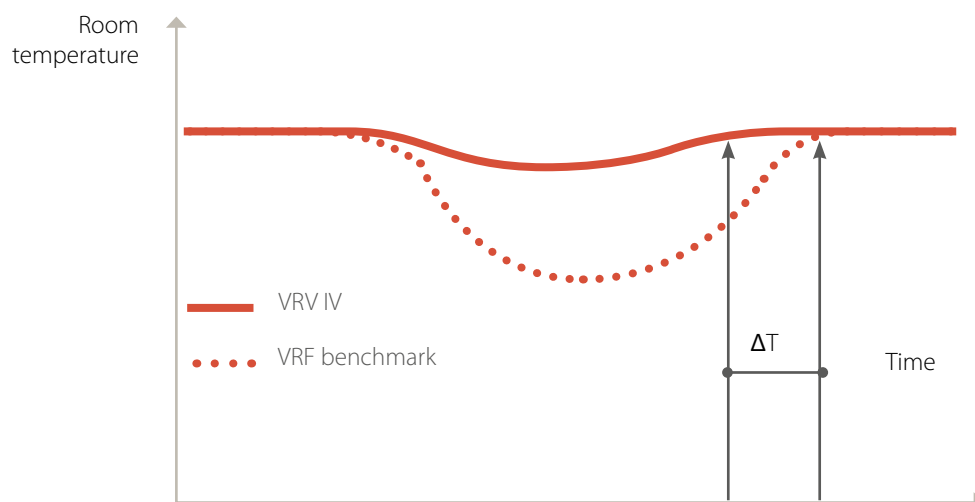
VRV IV continues to provide heating even during defrost mode, making it ideal to specify it as a monovalent heating system

- Indoor comfort not affected either via the unique heat accumulating element or alternate defrost
- The best alternative to traditional heating systems

Heat pumps are known for their high energy efficiency in heating, but they accumulate ice during heating operation and this must be melted periodically using a defrost function that reverses the refrigeration cycle. This causes a temporary temperature drop and reduced comfort levels inside the building.

Defrosting can take over 10 minutes (depending on the size of the system) and occurs most frequently between -7 and +7°C when there is most humidity in the air, which freezes to the coil, and this has a significant impact on the perceived indoor comfort levels.

The VRV IV has changed the heating paradigm by providing heat even during defrost operation thus eliminating the temperature drop inside and providing comfort at all times.





How does it work?

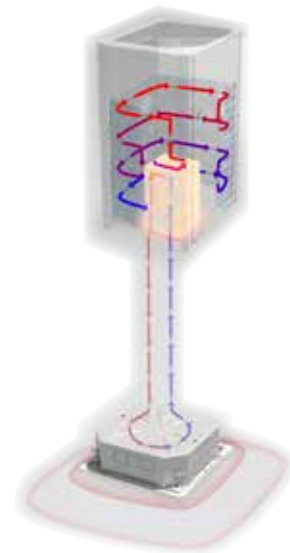
→ Heat accumulating element

A unique heat-accumulating element, based upon phase change materials, provides the energy to defrost the outdoor unit. The energy needed for defrosting is stored in the element during normal heating operation.

The outdoor unit coil is defrosted ...

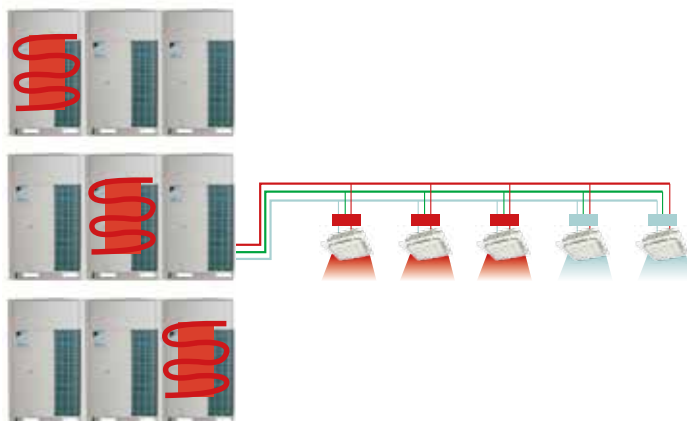
... with the energy stored in the heat accumulating element ...

... while indoors a comfortable temperature is maintained.



→ Alternate defrost

On all our multi model combinations only 1 outdoor coil is defrosted at a time, ensuring continuous comfort during the whole process.



the outdoor unit coil is defrosted ...

... one at the time ...

... so indoors a comfortable temperature is maintained

VRV configurator software

Software for simplified commissioning, configuration and customisation

- Graphical interface
- Manage systems over multiple sites in exactly the same way
- Retrieve initial settings

→ Simplified commissioning

The VRV configurator is an advanced software solution that allows for easy system configuration and commissioning:

- less time is required on the roof configuring the outdoor unit
- multiple systems at different sites can be managed in exactly the same way, thus offering simplified commissioning for key accounts
- Initial settings on the outdoor unit can be easily retrieved.



User friendly interface instead of push buttons



Simplified commissioning



Retrieve initial system settings





→ Simplified servicing

Outdoor unit display for quick on-site settings and easy read out of errors together with the indication of service parameters for checking basic functions.

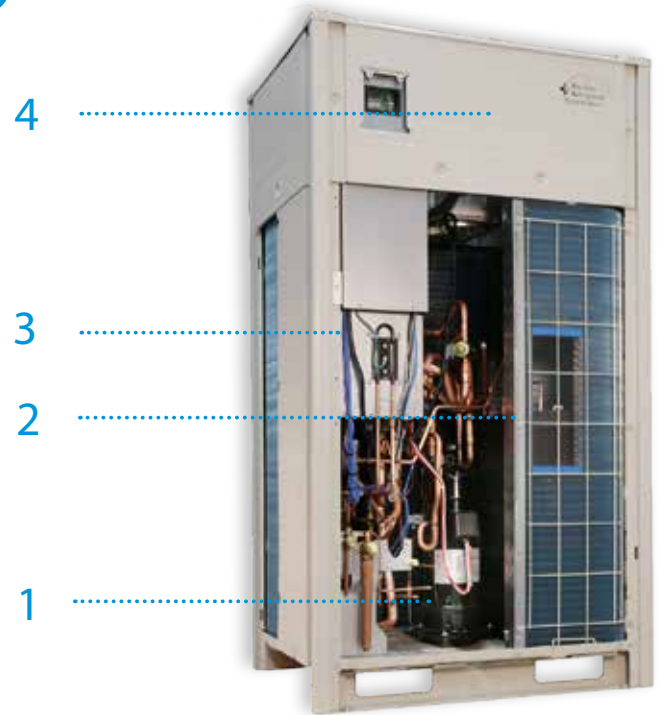
- easy-to-read error report
- clear menu indicating quick and easy on-site settings
- indication of basic service parameters to quickly check basic functions: high pressure, low pressure, frequency and operation time history of compressors, temperature of discharge/suction pipe.



3 digit 7-segment display



VRV IV technologies



1 Newly developed compressor **new**

Full inverter

- Enabling Variable Refrigerant Temperature and low start-up currents
- Stepless capacity control

Reluctance brushless DC motor

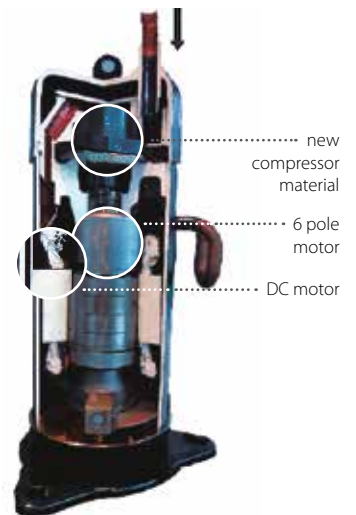
- increased efficiency compared to AC motors by simultaneous using normal and reluctance torque
- Powerful neodymium magnets efficiently generate high torque
- High pressure oil reduces thrust losses

High efficiency J-type 6-pole motor

- 50% stronger magnetic force & higher rotation efficiency

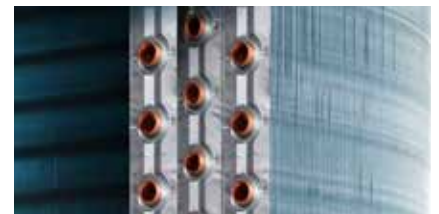
Newly developed compressor material

- Compression volume is increased with 50% thanks to a new high strength material casted in a semi molten state (thixocasting process)



2 4-side heat exchanger **new**

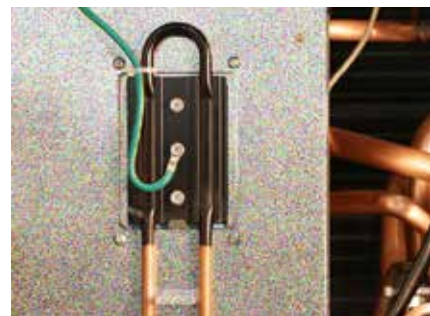
Up to 50% more heat exchange surface (up to 235m²)
leading to 30% better efficiency



3 Gas cooled PCB

- Reliable cooling as it is not influenced by ambient air temperature
- Smaller switchbox for smoother air flow through the heat exchanger

new



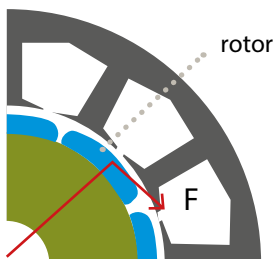
4 DC Fan Motor

new

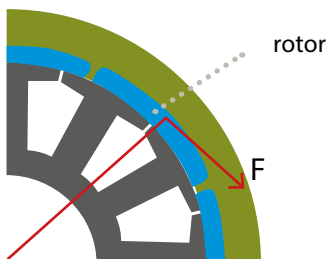
Outer rotor DC motor for higher efficiency

- Bigger diameter of the rotor results in greater force for the same magnetic field
- Better control resulting in more fan steps to match the actual capacity

Conventional motor with inner rotor



Daikin outer rotor

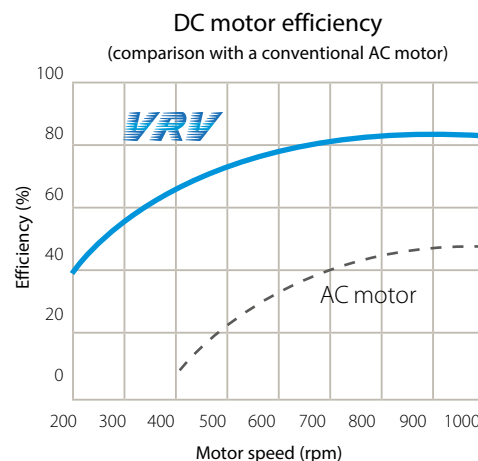


DC Fan Motor

The use of a DC fan motor offers substantial improvements in operating efficiency compared to conventional AC motors, especially during low speed rotation.

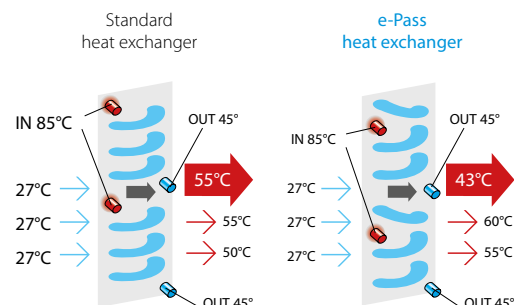
Sine Wave DC Inverter

Optimizing the sine wave curve, results in smoother motor rotation and improved motor efficiency.



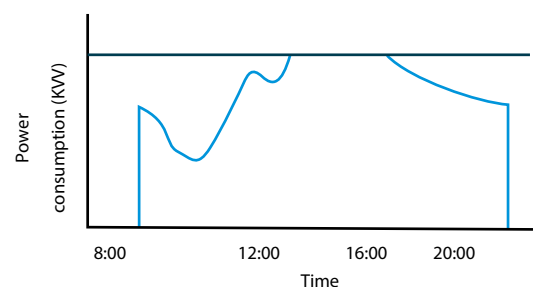
5 E-Pass Heat Exchanger

Optimization of the path layout of the heat exchanger prevents heat transferring from the overheated gas section towards the sub cooled liquid section - a more efficient use of the heat exchanger.



6 I-Demand Function

The newly introduced current sensor minimizes the difference between the actual power consumption and the predefined power consumption.



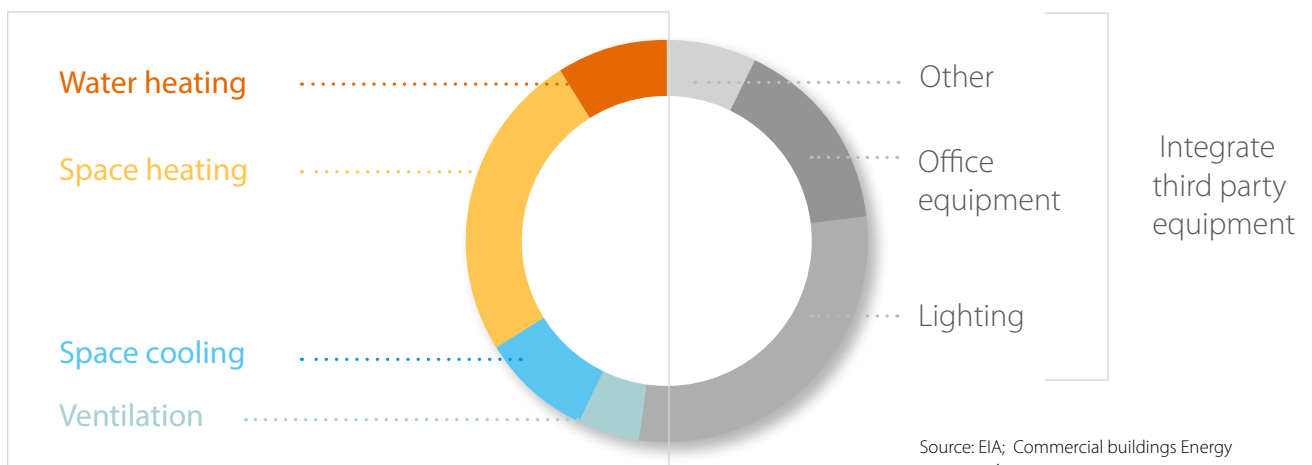
A new integrated climate control

A total solution

The Daikin VRV total solution provides a single point of contact for the design and maintenance of your integrated climate control system. Our solution can be used to manage up to 50% of a building's energy consumption, giving you a huge potential cost saving. Therefore we have not only worked to make our outdoor units more efficient and easier to install, but also worked to increase the efficiency, comfort and installation friendliness of all other components, focusing on:

- creating optimal building climate conditions at the best efficiencies using the new round flow cassette sensors
- reducing running costs even further with the energy management tools on the new Intelligent Touch Manager, integrating also third party equipment
- highly efficient space heating with the new low temperature hydrobox

Manage up to 50%
of your building's
energy consumption



One system, multiple applications



Heating & cooling



- Combine VRV indoor units with stylish indoor units in one system.
- New round flow cassette sets the standard for efficiency and comfort.

Intelligent control systems



- Mini BMS with integration of Daikin and third party equipment
- Integration with intelligent control solutions with energy management tools to reduce running costs

Low temperature hydrobox for highly efficient space heating through



- Underfloor heating
- Low temperature radiators
- Heat pump convectors
- Hot water from 25 to 45°C

Biddle air curtain



- A highly efficient solution for doorway climate separation

High temperature hydrobox* for efficient hot water production for



- Showers
- Sinks
- Tapwater for cleaning
- Hot water from 25 to 80°C

*only for connection to VRV heat recovery

Ventilation



- Combined fresh air treatment and air conditioning

VRV IV heat recovery technologies

- Maximum comfort
- More free heat
- Fast design
- Quick installation

Free heat and hot water production

Until now most commercial buildings have individual systems for cooling, heating, hot water etc. leading to big energy waste. An integrated heat recovery system reuses heat from offices, server rooms etc. to warm other areas or create hot water.



Cooling

Extracted heat delivers
free hot water and heating



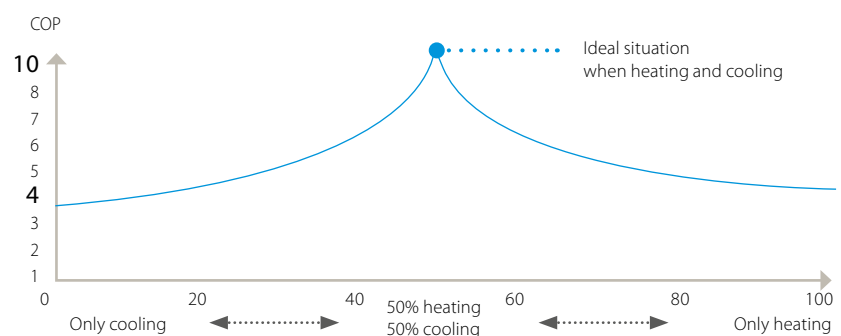
Hot Water



Heating

Did you know ...

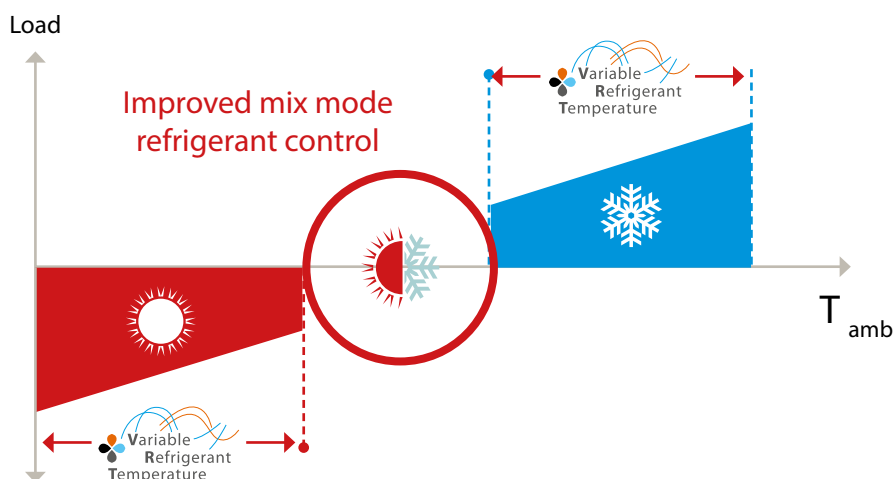
that re-using energy by heat recovery can lead to savings up to 10, meaning for 1 unit of electricity? This means huge savings in running costs and CO₂ emissions.



- Improved operational efficiency
- Improved design efficiency
- Improved installation efficiency

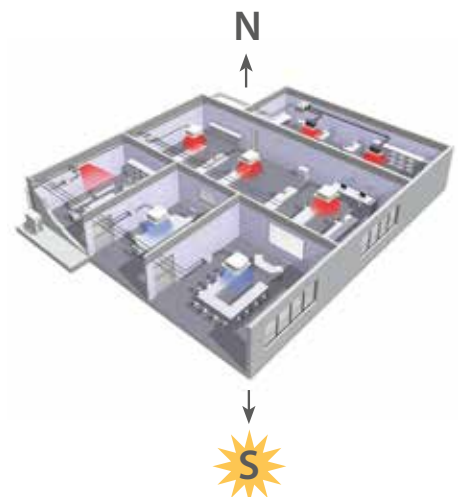
Improved efficiency

In heat recovery operation the VRV IV is up to 15% more efficient. In full load operation the seasonal efficiency is efficient even up to 28% better compared to VRV III thanks to Variable Refrigerant Temperature



Maximum comfort

- A VRV heat recovery system allows simultaneous cooling and heating.
 - › For hotel owners it means a perfect environment for guests as they can freely choose between cooling or heating.
 - › For offices it means a perfect working climate both for tenants facing south and north.



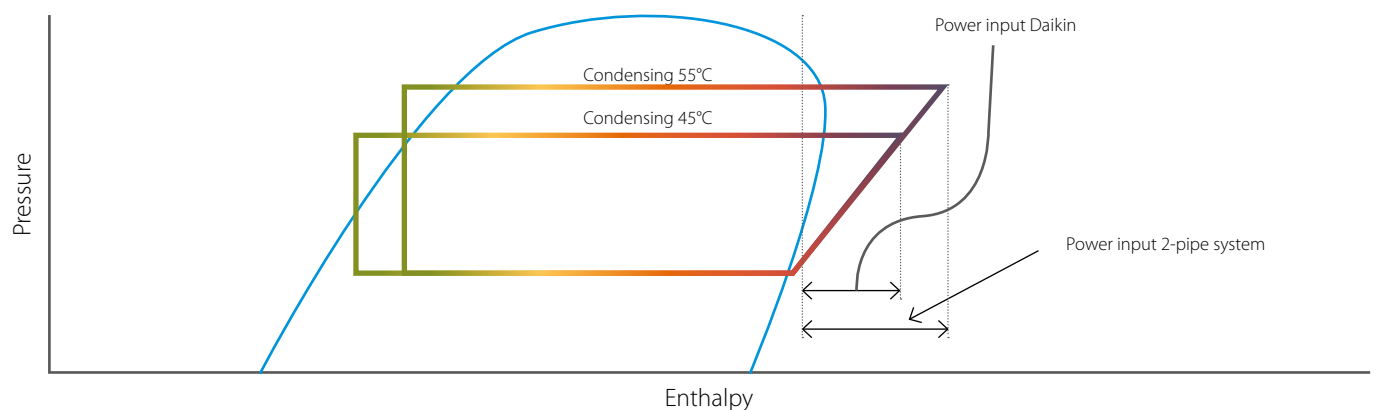


Advantages of 3-pipe technology

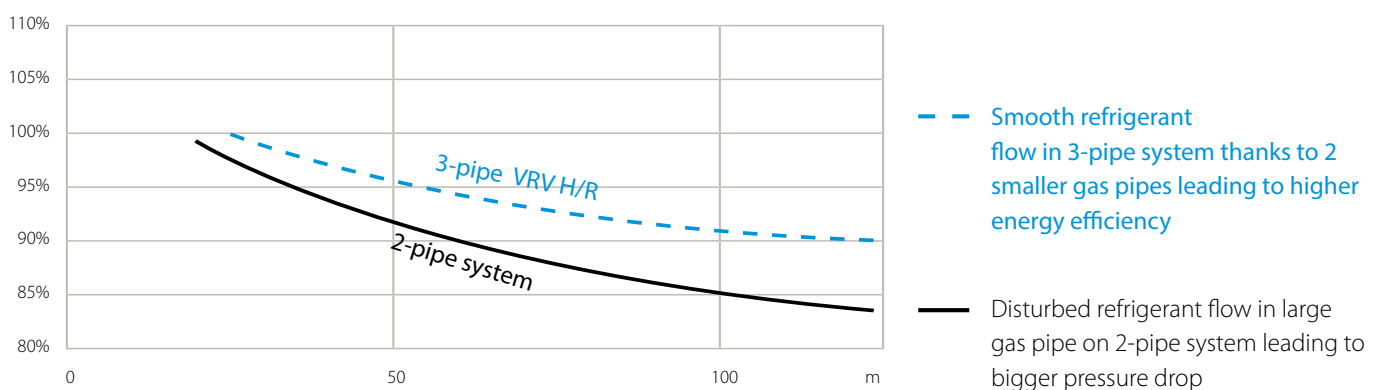
→ More free heat

Daikin 3-pipe technology needs less energy to recover heat, meaning significant better efficiency during heat recovery mode. Our system can recover the heat at low condensing temperature because it has dedicated gas, liquid and discharge pipes.

In a 2-pipe system gas and liquid travel as a mixture so the condensing temperature needs to be higher in order to separate the mixed gas and liquid refrigerant. The higher condensing temperature means more energy is used to recover heat resulting in lower efficiency.



→ More efficient due to lower pressure drop



Fully redesigned BS boxes

→ Maximum design flexibility and installation speed

- Unique range of single and multi BS boxes for flexible and fast design
- Major reduction in installation time thanks to wide range, compact size and light weight multi BS boxes

Single port



BS1Q10,16,25A

- Unique in the market
- Compact & light to install
- No drain piping needed
- Ideal for remote rooms
- Technical cooling function
- Connect up to 250 class unit (28kW)
- Allows multi tenant applications

Multi port: 4 – 6 – 8 – 10 – 12 – 16



BS4Q14A



BS6,8Q14A



BS10,12Q14A

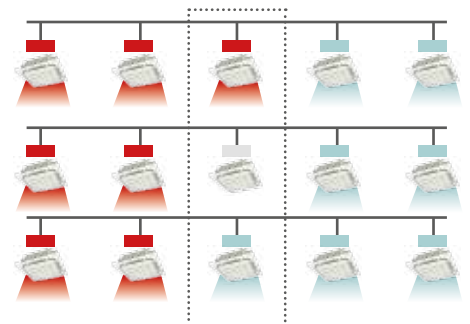


BS16Q14A

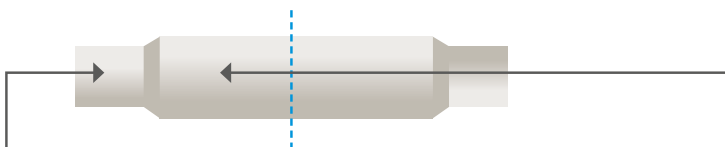
- Up to 70% smaller than previous range
- Up to 66% lighter than previous range
- Faster installation thanks to a reduced number of brazing points and wiring
- All indoor units connectable to one BS box
- Less inspection ports needed
- Up to 16 kW capacity available per port
- Connect up to 250 class unit (28kW) by combining 2 ports
- No limit on unused ports allowing phased installation

→ Maximum comfort at all times

Thanks to the VRV BS box, all indoor units which are not switching from cooling to heating or vice versa continue to provide heating or cooling. This is because our heat recovery system does not need to equalize pressure over the entire system after a change-over.



→ Faster installation thanks to open connection



No need to cut the pipe before brazing
(for indoor units smaller or equal to 5.6 kW (50 class))

→ Time saving!

Cut and braise the pipe
(for indoor units bigger or equal to 7.1 kW (63 class))

What does VRV IV installation, mean to you?

As a consultant

Daikin's VRV IV technology maximises flexibility and leads the way in customisation to match individual building requirements in comfort and energy, reducing running costs

- Ecological design, meeting and exceeding legal requirements
- Ideal for reaching top BREEAM/EPDB levels
- No more cold draughts with higher evaporation temperatures up to 11 or 16°
- Unique specifications for monovalent heating
- Maximum flexibility to meet the customer requirements
- Advanced software tools for system design assistance

As an installer

Daikin VRV IV sets the standard with latest technology and time saving commissioning & servicing

- Simplified and time saving commissioning with VRV configurator
- Remote refrigerant containment check
- Unique range of single and multi BS boxes reducing installation time
- Wide range of outdoor units (up to 54HP both for heat pump and heat recovery)
- One supplier = one point of contact
- Maximum flexibility to meet the customer requirements
- Customised trainings to maximise expertise

As a building owner

VRV IV is the ultimate in customised comfort and intelligent control tailored to your individual needs and to maximise energy efficiency

- Annual cost savings up to 28% (compared to VRV III)
- No more cold draughts with variable refrigerant temperature
- Single point of contact for the design and maintenance of your climate system
- Integrated system, combining air conditioning, hot water, ventilation, etc. allows maximum heat recovery and energy efficiency
- Multiple systems can be managed in exactly the same way for key accounts
- Dedicated after sales service to ensure fast on-site support



VRV IV outdoor unit products overview

VRV IV



VRV IV heat recovery

- VRV IV standards: Variable Refrigerant Temperature, Continuous heating, VRV configurator & 7 segment display
- VRV IV technologies
- Covers all thermal needs of a building: hot water (LT & HT hydrobox), ventilation, air handling unit and Biddle air curtains
- 'Free' heating and hot water by recovering heat from areas requiring cooling
- The perfect personal comfort for guests/tenants via simultaneous cooling and heating
- Unique range of single and multi BS boxes

VRV IV



VRV IV heat pump

- VRV IV standards: Variable Refrigerant Temperature, Continuous heating, VRV configurator & 7 segment display
- VRV IV technologies
- Covers all thermal needs of a building: hot water (LT hydrobox), ventilation, air handling unit and Biddle air curtains
- Connectable to stylish indoor units (Daikin Emura, Nexura)

VRV IV Q-series



Replacement VRV IV



- VRV IV standards: Variable Refrigerant Temperature, VRV configurator & 7 segment display
- VRV IV technologies
- Connectable to ventilation, air handling units and Biddle air curtains
- Cost-effective upgrade for R-22 systems, which cannot be serviced and maintained anymore after 01/01/2015
- Fast replacement
- Up to 81% more efficient than an R-22 system

VRV IV W-series



Water cooled VRV IV

- VRV IV standards: Variable Refrigerant Temperature, VRV configurator & 7 segment display
- Covers all thermal needs of a building: hot water (LT hydrobox), ventilation, air handling unit and Biddle air curtains
- Unified range for standard and geothermal series simplifies stock
- Variable Water Flow control of water pump increases flexibility and control

REYQ-T

VRV IV heat recovery

| REYQ-T | | | | 8 | 10 | | 12 | 13 | 14 | 16 | | 18 | | 20 | | |
|--|-------------------------|----------------------------|-----|--------------------|-----------------|--------|---------|--------|---------|---------|--------|---------|---------|---------|---------|----|
| System | Outdoor unit module 1 | | | REYQ8T | REYQ10T | REMQ5T | REYQ12T | REYQ8T | REYQ14T | REYQ16T | REYQ8T | REYQ18T | REYQ8T | REYQ20T | REYQ8T | |
| | Outdoor unit module 2 | | | | | REMQ5T | | REMQ5T | | | REYQ8T | | REYQ10T | | REYQ12T | |
| Capacity range | | | | HP | 8 | 10 | 10 | 12 | 13 | 14 | 16 | 16 | 18 | 18 | 20 | 20 |
| Continuous heating | | | | | | v | | v | | | v | | v | | v | |
| Cooling capacity | Nom | | kW | 22.4 | 28.0 | 28.0 | 33.5 | 36.4 | 40.0 | 45.0 | 44.8 | 50.0 | 50.4 | 56.0 | 55.9 | |
| Heating capacity | Nom | | kW | 22.4 | 28.0 | 28.0 | 33.5 | 36.4 | 40.0 | 45.0 | 44.8 | 50.0 | 50.4 | 56.0 | 55.9 | |
| Heating capacity | Max. | | kW | 25.0 | 31.5 | 32.0 | 37.5 | 41.0 | 45.0 | 50.0 | 50.0 | 56.0 | 56.5 | 63.0 | 62.5 | |
| Power input - 50Hz | Cooling | Nom. | kW | - | - | | - | | - | - | | - | | - | - | |
| | Heating | Nom. | kW | - | - | | - | | - | - | | - | | - | - | |
| EER | | | | | - | - | - | - | - | - | - | - | - | - | - | |
| ESEER | | | | | - | - | - | - | - | - | - | - | - | - | - | |
| COP | | | | | - | - | - | - | - | - | - | - | - | - | - | |
| Maximum number of connectable indoor units | | | | | 64 (1) | | | | | | | | | | | |
| Indoor index connection | Min | | | 100 | 125 | 125 | 150 | 162.5 | 175 | 200 | 200 | 225 | 225 | 250 | 250 | |
| | Nom | | | 200 | 250 | 250 | 300 | 325 | 350 | 400 | 400 | 450 | 450 | 500 | 500 | |
| | Max | | | 260 | 325 | 325 | 390 | 422.5 | 455 | 520 | 520 | 585 | 585 | 650 | 650 | |
| Dimensions | Unit | hxwx | | mm | 1685x930x765 | | | | | | | | | | | |
| Weight | Unit | | | kg | 198 | 205 | - | 205 | - | 319 | 319 | - | 329 | - | 329 | - |
| Fan | Air flow rate | Cooling | Nom | m³/min | 162 | 175 | - | 185 | - | 223 | 260 | - | 251 | - | 261 | - |
| Sound power level | Cooling | Nom | | dBA | 78 | 79 | 81 | 81 | 81 | 86 | 86 | 81 | 86 | 82 | 88 | 83 |
| Sound pressure level | Cooling | Nom | | dBA | 58 | 58 | 61 | 61 | 61 | 61 | 64 | 61 | 65 | 61 | 66 | 63 |
| Operation range | Cooling | Min~max | | °CDB | -20(2) / -5~43 | | | | | | | | | | | |
| | Heating | Min~max | | °CWB | -20~15.5 | | | | | | | | | | | |
| | Water production | Space cooling Min~max | | °CDB | 8~43 | | | | | | | | | | | |
| | | Space heating Min~max | | °CWB | -20~20 / 24 (2) | | | | | | | | | | | |
| | | Domestic hot water Min~max | | °CWB | -20~43 | | | | | | | | | | | |
| Refrigerant | Type | | | R-410A | | | | | | | | | | | | |
| Piping connection | liquid | OD | mm | 9.5 | 9.5 | 9.5 | 12.7 | 12.7 | 12.7 | 12.7 | 12.7 | 15.9 | 15.9 | 15.9 | 15.9 | |
| | gas | OD | mm | 19.1 | 22.2 | 22.2 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | |
| | discharge gas | OD | mm | 15.9 | 19.1 | 19.1 | 19.1 | 19.1 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | 28.6 | 28.6 | |
| | total piping length | system | | m | 1000 | | | | | | | | | | | |
| Power supply | Phase/Frequency/Voltage | | | 3N~ / 50 / 380-415 | | | | | | | | | | | | |
| Current - 50Hz | Maximum fuse amps (MFA) | | | A | 20 | 25 | 40 | 32 | 40 | 32 | 40 | 40 | 40 | 50 | 50 | 50 |

| REYQ-T | | | | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 | 42 | 44 | 46 | 48 | 50 | 52 | 54 | | | | |
|--|-----------------------|--------|----|-------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|------|-----|-----|-----|-----|
| System | Outdoor unit module 1 | | | | 8 | 12 | 12 | 12 | 16 | 16 | 16 | 8 | 10 | 10 | 12 | 14 | 16 | 16 | 16 | 18 | | | | |
| | Outdoor unit module 2 | | | | 16 | 14 | 16 | 18 | 16 | 18 | 20 | 10 | 12 | 16 | 16 | 16 | 16 | 16 | 18 | 18 | | | | |
| | Outdoor unit module 3 | | | | | | | | | | | 20 | 18 | 16 | 16 | 16 | 16 | 18 | 18 | 18 | | | | |
| Capacity range | | | HP | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 | 42 | 44 | 46 | 48 | 50 | 52 | 54 | | | | |
| Continuous heating | | | | V | V | V | V | V | V | V | V | V | V | V | V | V | V | V | V | V | V | | | |
| Cooling capacity | Nom | kW | | 61.5 | 67.4 | 73.5 | 78.5 | 83.5 | 90 | 95.0 | 101.0 | 106.4 | 111.5 | 118.0 | 123.5 | 130.0 | 135 | 140.0 | 145.0 | 150 | | | | |
| Heating capacity | Nom | kW | | 61.5 | 67.4 | 73.5 | 78.5 | 83.5 | 90 | 95.0 | 101.0 | 106.4 | 111.5 | 118.0 | 123.5 | 130.0 | 135 | 140.0 | 145.0 | 150 | | | | |
| Heating capacity | Max. | kW | | 69.0 | 75.0 | 82.5 | 87.5 | 93.5 | 100 | 106.0 | 113.0 | 119.5 | 125.0 | 131.5 | 137.5 | 145.0 | 150 | 156.0 | 162.0 | 168 | | | | |
| Power input - 50Hz | Cooling | Nom. | kW | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | |
| | Heating | Nom. | kW | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | |
| EER | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | |
| ESEER | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | |
| COP | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | |
| Maximum number of connectable indoor units | | | | 64 (1) | | | | | | | | | | | | | | | | | | | | |
| Indoor index connection | Min | | | 275 | 300 | 325 | 350 | 375 | 400 | 425 | 450 | 475 | 500 | 525 | 550 | 575 | 600 | 625 | 650 | 675 | | | | |
| | Nom | | | 550 | 600 | 650 | 700 | 750 | 800 | 850 | 900 | 950 | 1000 | 1050 | 1100 | 1150 | 1200 | 1250 | 1300 | 1350 | | | | |
| | Max | | | 715 | 780 | 845 | 910 | 975 | 1040 | 1105 | 1170 | 1235 | 1300 | 1365 | 1430 | 1495 | 1560 | 1625 | 1690 | 1755 | | | | |
| Piping connection | liquid | OD | mm | 15.9 | 15.9 | 19.1 | 19.1 | 19.1 | 19.1 | 19.1 | 19.1 | 19.1 | 19.1 | 19.1 | 19.1 | 19.1 | 19.1 | 19.1 | 19.1 | 19.1 | | | | |
| | gas | OD | mm | 28.6 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | | | | |
| | discharge gas | OD | mm | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 | | | | |
| | total piping lenght | system | | m | 1000 | | | | | | | | | | | | | | | | | | | |
| Current - 50Hz | | | | Maximum fuse amps (MFA) | | | | A | 63 | 63 | 63 | 63 | 80 | 80 | 80 | 80 | 100 | 100 | 100 | 100 | 125 | 125 | 125 | 125 |

| Outdoor unit module | | | | REMQ5T | | | | | | | | | | | |
|----------------------|-------------------------|------|------|--------------------|--|--|--|--|--|--|--|--|--|--|--|
| Dimensions | Unit | hxwx | d mm | 1685x930x765 | | | | | | | | | | | |
| Weight | Unit | | | 198 | | | | | | | | | | | |
| Fan | Air flow rate | | | 162 | | | | | | | | | | | |
| Sound power level | Cooling | | | 78 | | | | | | | | | | | |
| Sound pressure level | Cooling | | | 58 | | | | | | | | | | | |
| Operation range | Cooling | | | -20(2) / -5~43 | | | | | | | | | | | |
| | Heating | | | -20~15.5 | | | | | | | | | | | |
| Water production | Space cooling | | | 8~43 | | | | | | | | | | | |
| | Space heating | | | -20~20 / 24 (2) | | | | | | | | | | | |
| | Domestic hot water | | | -20~43 | | | | | | | | | | | |
| Refrigerant | Type | | | R-410A | | | | | | | | | | | |
| Power supply | Phase/Frequency/Voltage | | | 3N~ / 50 / 380-415 | | | | | | | | | | | |
| Current - 50Hz | Maximum fuse amps (MFA) | | | 20 | | | | | | | | | | | |

1 Actual number of connectable indoor units depends on the indoor unit type (VRV indoor, hydrobox, etc.) and the connection ratio restriction for the system (50%≤CR≤130%)

2 Field setting

RYYQ8-54T

VRV IV heat pump with continuous heating

RXYQ8-54T

VRV IV heat pump without continuous heating

RXYQQ8-42T

replacement VRV IV heat pump

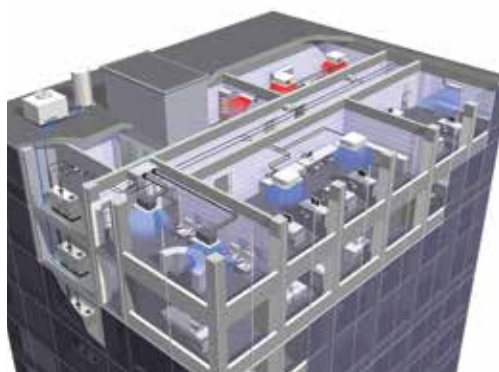
| Outdoor unit | | | | 8 | 10 | 12 | 14 | 16 | 18 | 20 | |
|--|-------------------------|--------------------|--------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----|
| Capacity range | | | | HP | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| Cooling capacity | | Nom. | kW | 22.4 | 28.0 | 33.5 | 40.0 | 45.0 | 50.0 | 56.0 | |
| Heating capacity | | Nom. / Max. | kW | 22.4/ 25.0 | 28.0 / 31.5 | 33.5 / 37.5 | 40.0 /45.0 | 45.0 / 50.0 | 50.0 / 56.0 | 56.0 / 63.0 | |
| Power input - 50Hz | Cooling | Nom. | kW | 5.21 | 7.29 | 8.98 | 11.0 | 13.0 | 14.7 | 18.5 | |
| | Heating | Nom. | kW | 5.5 | 7.38 | 9.10 | 11.2 | 12.8 | 14.4 | 17.0 | |
| EER | | | | 4.30 | 3.84 | 3.73 | 3.64 | 3.46 | 3.40 | 3.03 | |
| ESEER | | | | 6.37 (2) / 7.53 (3) | 5.67 (2) / 7.20 (3) | 5.50 (2) / 6.96 (3) | 5.31 (2) / 6.83 (3) | 5.05 (2) / 6.50 (3) | 4.97 (2) / 6.38 (3) | 4.42 (2) / 5.67 (3) | |
| COP | | | | 4.54 | 4.27 | 4.12 | 4.02 | 3.91 | 3.89 | 3.71 | |
| Maximum number of connectable indoor units | | | | 64 (1) | | | | | | | |
| Indoor index connection | Min. | | | 100 | 125 | 150 | 175 | 200 | 225 | 250 | |
| | Nom. | | | 200 | 250 | 300 | 350 | 400 | 450 | 500 | |
| | Max. | | | 260 | 325 | 390 | 455 | 520 | 585 | 650 | |
| Dimensions | Unit | HeightxWidthxDepth | | mm | 1,685x930x765 | | | 1,685x1,240x765 | | | |
| Weight | Unit RYYQ/RXYQ/RXYQQ | | | kg | 261 / 187 / 187 | | 268 / 194 / 194 | | 364 / 305 / 305 | | |
| Fan | Air flow rate | Cooling | Nom. | m³/min | 162 | 175 | 185 | 223 | 260 | 251 | |
| Sound power level | Cooling | Nom. | | dBA | 78 | 79 | 81 | 86 | | 88 | |
| Sound pressure level | Cooling | Nom. | | dBA | 58 | | 61 | | 64 | 65 | |
| Operation range | Cooling | Min.~Max. | | °CDB | -5~43 | | | | | | |
| | Heating | Min.~Max. | | °CWB | -20~15.5 | | | | | | |
| Refrigerant | Type | | | R-410A | | | | | | | |
| | Liquid | OD | | mm | 9.52 | | 12.7 | | 15.9 | | |
| Piping connections | Gas | OD | | mm | 19.1 | 22.2 | 28.6 | | | | |
| | Total piping length | System | Actual | m | 1,000 | | | | | | |
| Power supply | Phase/Frequency/Voltage | | | Hz/V | 3N~ / 50 / 380-415 | | | | | | |
| Current - 50Hz | Maximum fuse amps (MFA) | | | A | 20 | 25 | 32 | 40 | 50 | | |

| Outdoor system | | | | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | |
|--|-------------------------|--------|--------|--------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| System | Outdoor unit module 1 | | | 10 | 8 | 12 | | | 16 | | | |
| | Outdoor unit module 2 | | | 12 | 16 | 14 | 16 | 18 | 16 | 18 | 20 | |
| | Outdoor unit module 3 | | | | | | | | | | | |
| Capacity range | | | HP | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | |
| Cooling capacity | Nom. | | | kW | 61.5 | 67.4 | 73.5 | 78.5 | 83.5 | 90.0 | 95.0 | 101.0 |
| Heating capacity | Nom. / Max. | | | kW | 61.5 / 69.0 | 67.4 / 75.0 | 73.5 / 82.5 | 78.5 / 87.5 | 83.5 / 93.5 | 90.0 / 100.0 | 95.0 / 106.0 | 101.0 / 113.0 |
| Power input - 50Hz | Cooling | Nom. | kW | 16.3 | 18.2 | 20.0 | 22.0 | 23.7 | 26.0 | 27.7 | 31.5 | |
| | Heating | Nom. | kW | 16.5 | 18.3 | 20.3 | 21.9 | 23.5 | 25.6 | 27.2 | 29.8 | |
| EER | | | | | 3.77 | 3.70 | 3.68 | 3.57 | 3.52 | 3.46 | 3.43 | 3.21 |
| ESEER | | | | | 5.58 (2) / 7.07 (3) | 5.42 (2) / 6.81 (3) | 5.39 (2) / 6.89 (3) | 5.23 (2) / 6.69 (3) | 5.17 (2) / 6.60 (3) | 5.05 (2) / 6.50 (3) | 5.01 (2) / 6.44 (3) | 4.68 (2) / 6.02 (3) |
| COP | | | | | 4.18 | 4.10 | 4.06 | 4.00 | 3.98 | 3.91 | 3.90 | 3.79 |
| Maximum number of connectable indoor units | | | | 64 (1) | | | | | | | | |
| Indoor index connection | Min. | | | | 275 | 300 | 325 | 350 | 375 | 400 | 425 | 450 |
| | Nom. | | | | 550 | 600 | 650 | 700 | 750 | 800 | 850 | 900 |
| | Max. | | | | 715 | 780 | 845 | 910 | 975 | 1,040 | 1,105 | 1,170 |
| Piping connections | Liquid | OD | mm | 15.9 | | 19.1 | | | | | | |
| | Gas | OD | mm | 28.6 | 34.9 | | | 41.3 | | | | |
| Total piping length | | System | Actual | m | 1,000 | | | | | | | |
| Current - 50Hz | Maximum fuse amps (MFA) | | | A | 63 | | | | 80 | | | |

| Outdoor system | | | | 38 | 40 | 42 | 44 | 46 | 48 | 50 | 52 | 54 | |
|--|-------------------------|------|--------|--------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| System | Outdoor unit module 1 | | | 8 | 10 | | | | | | | | |
| | Outdoor unit module 2 | | | 10 | 12 | | | 16 | | | | 18 | |
| | Outdoor unit module 3 | | | 20 | 18 | | 16 | | | | 18 | | |
| Capacity range | | | HP | 38 | 40 | 42 | 44 | 46 | 48 | 50 | 52 | 54 | |
| Cooling capacity | Nom. | | | kW | 106.0 | 112.0 | 118.0 | 124.0 | 130.0 | 135.0 | 140.0 | 145.0 | 150.0 |
| Heating capacity | Nom. / Max. | | | kW | 106.0 / 120.0 | 112.0 / 125.0 | 118.0 / 132.0 | 124.0 / 138.0 | 130.0 / 145.0 | 135.0 / 150.0 | 140.0 / 156.0 | 145.0 / 162.0 | 150.0 / 168.0 |
| Power input - 50Hz | Cooling | Nom. | kW | 31.0 | | 33.3 | 35.0 | 37.0 | 39.0 | 40.7 | 42.4 | 44.1 | |
| | Heating | Nom. | kW | 29.9 | 30.9 | 33.0 | 34.7 | 36.8 | 38.4 | 40.0 | 41.6 | 43.2 | |
| EER | | | | | 3.42 | 3.61 | 3.54 | 3.51 | 3.46 | 3.44 | 3.42 | 3.40 | |
| ESEER | | | | | 5.03 (2) / 6.36 (3) | 5.29 (2) / 6.74 (3) | 5.19 (2) / 6.65 (3) | 5.17 (2) / 6.62 (3) | 5.13 (2) / 6.60 (3) | 5.05 (2) / 6.50 (3) | 5.02 (2) / 6.46 (3) | 4.99 (2) / 6.42 (3) | 4.97 (2) / 6.38 (3) |
| COP | | | | | 4.01 | 4.05 | 4.00 | 3.98 | 3.94 | 3.91 | 3.90 | 3.89 | |
| Maximum number of connectable indoor units | | | | | 64 (1) | | | | | | | | |
| Indoor index connection | Min. | | | | 475 | 500 | 525 | 550 | 575 | 600 | 625 | 650 | 675 |
| | Nom. | | | | 950 | 1,000 | 1,050 | 1,100 | 1,150 | 1,200 | 1,250 | 1,300 | 1,350 |
| | Max. | | | | 1,235 | 1,300 | 1,365 | 1,430 | 1,495 | 1,560 | 1,625 | 1,690 | 1,755 |
| Piping connections | Liquid | OD | mm | 19.1 | | | | | | | | | |
| | Gas | OD | mm | 41.3 | | | | | | | | | |
| Total piping length | | | System | Actual | m | | | | | | | | |
| Current - 50Hz | Maximum fuse amps (MFA) | | | A | 100 | | | | 125 | | | | |

| Outdoor unit module for RYYQ-T combinations | | | | RYMQ8T | RYMQ10T | RYMQ12T | RYMQ14T | RYMQ16T | RYMQ18T | RYMQ20T |
|---|-------------------------|--------------------|--------|---------------------|--------------------|---------|---------|-----------------|---------|---------|
| Dimensions | Unit | HeightxWidthxDepth | mm | 1,685x930x765 | | | | 1,685x1,240x765 | | |
| Weight | Unit | | | kg | 188 | 195 | 309 | 319 | 261 | |
| Fan | Air flow rate | Cooling | Nom. | m ³ /min | 162 | 175 | 185 | 223 | 260 | 251 |
| Sound power level | Cooling | Nom. | dBA | | 78 | 79 | 81 | 86 | 88 | 88 |
| Sound pressure level | Cooling | Nom. | dBA | | 58 | | 61 | 64 | 65 | 66 |
| Operation range | Cooling | Min.~Max. | °CDB | | -5~43 | | | | | |
| | Heating | Min.~Max. | °CWB | | -20~15.5 | | | | | |
| Refrigerant | Type | | | | R-410A | | | | | |
| | Liquid | OD | mm | | 9.52 | | 12.7 | | 15.9 | |
| Piping connections | Gas | OD | mm | | 19.1 | 22.2 | 28.6 | 34.9 | 41.3 | |
| | Total piping length | System | Actual | m | 1,000 | | | | | |
| Power supply | Phase/Frequency/Voltage | | | Hz/V | 3N~ / 50 / 380-415 | | | | | |
| Current - 50Hz | Maximum fuse amps (MFA) | A | | | 20 | 25 | 32 | 40 | 50 | |

(1) Actual number of connectable indoor units depends on the indoor unit type (VRV indoor, Hydrobox, RA indoor, etc.) and the connection ratio restriction for the system (50% ≤ CR ≤ 130%) (2) The STANDARD ESEER value corresponds with normal VRV4 Heat Pump operation, not taking into account advanced energy saving operation functionality (3) The AUTOMATIC SEER value corresponds with normal VRV4 Heat Pump operation, taking into account advanced energy saving operation functionality (variable refrigerant temperature control operation) (4) RYYQ-T multi combinations use RYM-Q-T modules, RXYQ-T multi combinations use RXYQ-Q-T modules, RXYQQ-T multi combinations use RXYQQ-Q-T modules



Standard operation



Geothermal operation

RWEYQ-T

Water cooled VRV IV

| Outdoor unit | | | | RWEYQ8T | | RWEYQ10T | |
|--|-------------------------|--------------------|----------------|----------------|--|----------|--|
| Capacity range | | | HP | 8 | | 10 | |
| Cooling capacity | Capacity | | kW | 22.4 | | 28.0 | |
| | EER | | | 5.07 | | 4.56 | |
| | PI | | kW | 4.42 | | 6.14 | |
| Heating capacity | Capacity | | kW | 25.0 | | 31.5 | |
| | EER | | | 5.94 | | 5.25 | |
| | PI | | kW | 4.21 | | 6.00 | |
| Power input - 50Hz | Cooling | Nom. | kW | 4.42 | | 6.14 | |
| | Heating | Nom. | kW | 4.21 | | 6.00 | |
| EER | | | | 5.07 | | 4.56 | |
| COP | | | | 5.94 | | 5.25 | |
| Maximum number of connectable indoor units | | | | 36 | | | |
| Indoor index connection | Min. | | | 100 | | 125 | |
| | Nom. | | | 200 | | 250 | |
| | Max. | | | 260 | | 325 | |
| Dimensions | Unit | HeightxWidthxDepth | mm | 1,000x780x550 | | | |
| Weight | Unit | | kg | 137 | | 137 | |
| Sound power level | Cooling | Nom. | dBA | - | | | |
| Sound pressure level | Cooling | Nom. | dBA | 50 | | 51 | |
| Operation range | Inlet water temperature | Cooling | Min.~Max. °CDB | 10~45 | | | |
| | | Heating | Min.~Max. °CWB | 10~45 | | | |
| Refrigerant | Type | | | R-410A | | | |
| Piping connections | Liquid | OD | | mm | 9.52 | | |
| | Gas | OD | | mm | 19.1 (1) | | |
| | Discharge gas | OD | | mm | 15.9 (2) / 19.1 (3) | | |
| | Water | Inlet/Outlet | | | PT1 1/4B internal thread/PT1 1/4B internal thread | | |
| | Piping length | OU - IU | Max. | m | 120 | | |
| | Total piping length | System | Actual | m | 300 | | |
| | Level difference | OU - IU | | m | 50 (outdoor unit in highest position) / 40 (indoor unit in highest position) | | |
| Power supply | Phase/Frequency/Voltage | | | 3N~/50/380-415 | | | |
| Current - 50Hz | Maximum fuse amps (MFA) | | | A | | | |
| | | | | 20 | | | |

(1) In case of heat pump system, gas pipe is not used (2) In case of heat recovery system (3) In case of heat pump system

| Outdoor system | | | | RWEYQ16T | RWEYQ18T | RWEYQ20T | RWEYQ24T | RWEYQ26T | RWEYQ28T | RWEYQ30T | |
|--|-------------------------|---------|--------|--|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--|
| System | Outdoor unit module 1 | | | RWEYQ8T | RWEYQ10T | | RWEYQ8T | RWEYQ10T | | | |
| | Outdoor unit module 2 | | | RWEYQ8T | | RWEYQ10T | RWEYQ8T | | RWEYQ10T | | |
| | Outdoor unit module 3 | | | - | | | RWEYQ8T | | RWEYQ10T | | |
| Capacity range | HP | | | 16 | 18 | 20 | 24 | 26 | 28 | 30 | |
| Cooling capacity | Capacity | | | kW | 44.8 | 50.4 | 56.0 | 67.2 | 72.8 | 84.0 | |
| | EER | | | | 5.07 | 4.77 | 4.56 | 5.07 | 4.86 | 4.69 | |
| | PI | | | kW | 8.8 | 10.6 | 12.3 | 13.3 | 15.0 | 16.7 | |
| Heating capacity | Capacity | | | kW | 50.0 | 56.5 | 63.0 | 75.0 | 81.5 | 94.5 | |
| | EER | | | | 5.94 | 5.53 | 5.25 | 5.94 | 5.65 | 5.43 | |
| | PI | | | kW | 8.4 | 10.2 | 12.0 | 12.6 | 14.4 | 16.2 | |
| Power input - 50Hz | Cooling | Nom. | kW | 9.10 | 10.6 | 12.1 | 13.7 | 15.1 | 16.6 | 18.1 | |
| | Heating | Nom. | kW | 8.48 | 10.3 | 12.1 | 12.7 | 14.5 | 16.3 | 18.2 | |
| EER | | | | | 4.92 | 4.63 | 4.41 | 4.91 | 4.74 | 4.57 | |
| COP | | | | | 5.87 | 5.48 | 5.21 | 5.91 | 5.62 | 5.40 | |
| Maximum number of connectable indoor units | | | | | 36 | | | | | | |
| Sound pressure level | Cooling | Nom. | dBa | 53 | 54 | | 55 | | 56 | | |
| Piping connections | Liquid | OD | mm | 12.7 | 15.9 | | 19.1 | | | | |
| | Gas | OD | mm | 28.6 (1) | | | | | | 34.9 (1) | |
| | Discharge gas | OD | mm | 22.2 (2) / 28.6 (3) | 22.2 (2) / 28.6 (3) | 22.2 (2) / 28.6 (3) | 28.6 (2) / 34.9 (3) | 28.6 (2) / 34.9 (3) | 28.6 (2) / 34.9 (3) | 28.6 (2) / 34.9 (3) | |
| | Piping length | OU - IU | Max. | m | 120 | | | | | | |
| | Total piping length | System | Actual | m | 300 | | | | | | |
| | Level difference | OU - IU | m | 50 (outdoor unit in highest position) / 40 (indoor unit in highest position) | | | | | | | |
| Current - 50Hz | Maximum fuse amps (MFA) | | | A | 32 | | 50 | | | | |

(1) In case of heat pump system, gas pipe is not used (2) In case of heat recovery system (3) In case of heat pump system

BS1Q-A

Individual branch selector for VRV IV heat recovery

| Indoor unit | | | | BS1Q10A | BS1Q16A | BS1Q25A |
|--|-------------------------|--------------------|------------|--|-----------|-----------------------|
| Power input | Cooling | Nom. | kW | 0.005 | | |
| | Heating | Nom. | kW | 0.005 | | |
| Maximum number of connectable indoor units | | | | 6 | 8 | |
| Maximum capacity index of connectable indoor units | | | | 15 < x ≤ 100 | 100<x≤160 | 160<x≤250 |
| Casing | Material | | | Galvanised steel plate | | Galvanised steel |
| Dimensions | Unit | HeightxWidthxDepth | mm | 207x388x326 | | |
| Weight | Unit | | | 12 | 15 | |
| Piping connections | Outdoor unit | Liquid | Type/OD mm | Braze connection/9.5 | | |
| | | Gas | Type/OD mm | Braze connection/15.9 | | Braze connection/22.2 |
| | | Discharge gas | Type/OD mm | Braze connection/12.7 | | Braze connection/19.1 |
| | Indoor unit | Liquid | Type/OD mm | Braze connection/9.5 | | |
| | | Gas | Type/OD mm | Braze connection/15.9 | | Braze connection/22.2 |
| | | | | | | |
| Sound absorbing thermal insulation | | | | Foamed polyurethane, frame resisting needle felt | | |
| Power supply | Phase/Frequency/Voltage | | | 1~/50/220-240 | | |
| Total circuit | Maximum fuse amps (MFA) | | | 15 | | |

BS-Q14A

Multi branch selector for VRV IV heat recovery

| Indoor unit | | | | BS4Q14A | BS6Q14A | BS8Q14A | BS10Q14A | BS12Q14A | BS16Q14A |
|---|-------------------------|--------------------|------------|------------------------|-------------|-------------|-------------|-------------|--------------|
| Power input | Cooling | Nom. | kW | 0.043 | 0.064 | 0.086 | 0.107 | 0.129 | 0.172 |
| | Heating | Nom. | kW | 0.043 | 0.064 | 0.086 | 0.107 | 0.129 | 0.172 |
| Maximum number of connectable indoor units | | | | 20 | 30 | 40 | 50 | 60 | 64 |
| Maximum number of connectable indoor units per branch | | | | 5 | | | | | |
| Number of branches | | | | 4 | 6 | 8 | 10 | 12 | 16 |
| Maximum capacity index of connectable indoor units | | | | 400 or less | 600 or less | 750 or less | | | |
| Maximum capacity index of connectable indoor units per branch | | | | 140 or less | | | | | |
| Casing | Material | | | Galvanised steel plate | | | | | |
| Dimensions | Unit | HeightxWidthxDepth | mm | 298x370x430 | 298x580x430 | 298x580x430 | 298x820x430 | 298x820x430 | 298x1060x430 |
| Weight | Unit | | kg | 17 | 24 | 26 | 35 | 38 | 50 |
| Piping connections | Outdoor unit | Liquid | Type/OD mm | 9.5 | 12.7 | 12.7 | 15.9 | 15.9 | 19.1 |
| | | Gas | Type/OD mm | 22.2 | 28.6 | 28.6 | 28.6 | 28.6 | 34.9 |
| | | Discharge gas | Type/OD mm | 19.1 | 19.1 | 19.1 | 28.6 | 28.6 | 28.6 |
| | Indoor unit | Liquid | Type/OD mm | 9.5 | | | | | |
| | | Gas | Type/OD mm | 15.9 | | | | | |
| | | Discharge gas | Type/OD mm | ID 20 / OD 26 (VP20) | | | | | |
| Drain pipe size | | | | ID 20 / OD 26 (VP20) | | | | | |
| Power supply | Phase/Frequency/Voltage | | Hz/V | 1~/220-240/50 | | | | | |
| Total circuit | Maximum fuse amps (MFA) | | A | 15 | | | | | |

BSVQ-P9B

Individual branch selector for water cooled VRV IV heat recovery and VRV III heat recovery

| | | | | BSVQ100P9B | BSVQ160P9B | BSVQ250P9B |
|--|-------------------------|--------------------|------------|--|------------|-----------------------|
| Power input | Cooling | Nom. | kW | 0.005 | | |
| | Heating | Nom. | kW | 0.005 | | |
| Maximum number of connectable indoor units | | | | 6 | 8 | |
| Maximum capacity index of connectable indoor units | | | | 15 < x ≤ 100 | 100<x≤160 | 160<x≤250 |
| Casing | Material | | | Galvanised steel plate | | Galvanised steel |
| Dimensions | Unit | HeightxWidthxDepth | mm | 207x388x326 | | |
| Weight | Unit | | | 12 | 15 | |
| Piping connections | Outdoor unit | Liquid | Type/OD mm | Braze connection/9.5 | | |
| | | Gas | Type/OD mm | Braze connection/15.9 | | Braze connection/22.2 |
| | | Discharge gas | Type/OD mm | Braze connection/12.7 | | Braze connection/19.1 |
| | Indoor unit | Liquid | Type/OD mm | Braze connection/9.5 | | |
| | | Gas | Type/OD mm | Braze connection/15.9 | | Braze connection/22.2 |
| | | | | | | |
| Sound absorbing thermal insulation | | | | Foamed polyurethane, frame resisting needle felt | | |
| Power supply | Phase/Frequency/Voltage | | | 1~/50/220-240 | | |
| Total circuit | Maximum fuse amps (MFA) | | | 15 | | |

BSV4Q-PV, BSV6Q-PV

Multi branch selector for water cooled VRV IV heat recovery and VRV III heat recovery

| Indoor unit | | | | BSV4Q100PV | | BSV6Q100PV | |
|---|-------------------------|--------------------|---------|--|--|-------------------------|--|
| Power input | Cooling | Nom. | kW | 0.020 | | 0.030 | |
| | Heating | Nom. | kW | 0.020 | | 0.030 | |
| Maximum number of connectable indoor units | | | | 24 | | 36 | |
| Maximum number of connectable indoor units per branch | | | | 6 | | | |
| Number of branches | | | | 4 | | 6 | |
| Maximum capacity index of connectable indoor units | | | | 400 | | 600 | |
| Maximum capacity index of connectable indoor units per branch | | | | 100 | | | |
| Casing | Material | | | Galvanised steel plate | | | |
| Dimensions | Unit | HeightxWidthxDepth | mm | 209x1,053x635 | | 209x1,577x635 | |
| Weight | Unit | | | 60 | | 89 | |
| Piping connections | Outdoor unit | Liquid | Type/OD | mm | | Brazing connection/12.7 | |
| | | Gas | Type/OD | mm | | Brazing connection/28.6 | |
| | | Discharge gas | Type/OD | mm | | Brazing connection/19.1 | |
| | Indoor unit | Liquid | Type/OD | mm | | Brazing connection/9.5 | |
| | | Gas | Type/OD | mm | | Brazing connection/15.9 | |
| | | | | | | Brazing connection/28.6 | |
| Sound absorbing thermal insulation | | | | Foamed polyurethane, frame resisting needle felt | | | |
| Power supply | Phase/Frequency/Voltage | | | 1~/50/220-240 | | | |
| Total circuit | Maximum fuse amps (MFA) | | | 15 | | | |

360° efficiency

installation
efficiency

operational
efficiency

design
efficiency



VRV IV: heat recovery.

Daikin's unique position as a manufacturer of air conditioning equipment, compressors and refrigerants has led to its close involvement in environmental issues. For several years Daikin has had the intention to become a leader in the provision of products that have limited impact on the environment. This challenge demands the eco design and development of a wide range of products and an energy management system, resulting in energy conservation and a reduction of waste.

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