NEW

PRODUCT PORTFOLIO
CANADA 575V
A WORLD LEADING MANUFACTURER OF HVAC PRODUCTS

FOUNDED IN 1924

OVER 60,000 DAIKIN VRF SYSTEMS OPERATING THROUGHOUT NORTH AMERICA

RESEARCH & DEVELOPMENT OVER $300 MILLION
What is Daikin VRV?

One flexible package

Daikin VRV is a modular, commercially applied air-conditioning and heating system that distributes refrigerant from the outdoor unit to multiple indoor units, providing efficiency, comfortable individual user control and reliability in one flexible package.

Daikin VRV systems provide advanced solutions for almost any large residential to commercial application. Available in air-cooled or water-cooled solutions and heat recovery or heat pump systems, VRV provides advanced heating and cooling options with individual zone control for both open plan and tightly grouped applications.

VRV is built upon 4 basic “Building Blocks” — Outdoor Unit, Indoor Unit, Piping, and Controls — providing the attributes of a central chilled water system but with the simplicity of a split system. This makes it very flexible and ideal for energy-efficient and comfortable cooling and heating of many types of buildings such as banks, health care, skilled care, libraries, storage facilities, conference centers, etc.

Applications
» Multi-family residences
» Retail
» Hotels
» Office buildings
» Schools, etc.

Reflects that one VRV system can meet VAV requirements without the need for additional equipment.
1. **DEDICATED 575V INVERTER BOARD AND COMPRESSOR**

   - Engineered with 575V inverter board and compressor to eliminate the need of additional transformer or voltage converters.
   - Special coating applied on printed circuit board for protection against dust and water.

2. **DAIKIN K-TYPE VAPOR INJECTION SCROLL COMPRESSOR**

   - Compressor technology with unique spiral design and injection valves for precise refrigerant control.
   - Strong and efficient motors for optimized compressor performance and part load efficiencies.
   - New back pressure control mechanism optimizes the internal compressor pressure with the intermediate pressure adjusting port according to operating conditions. This stabilizes the orbiting scroll, reducing leaks and scroll friction during operation.

3. **INVERTER BOARD COOLED BY REFRIGERANT CIRCUIT**

   - Minimum influence on electronics from ambient temperature. Section of the coil in the unit is permanently set as condenser for cooling of the inverter board.
Customize your VRV for optimal annual efficiency

VRT automatically adjusts refrigerant temperature to individual building and climate requirement, thus further improving annual energy efficiency and maintaining comfort. With this excellent technology, utility costs are reduced.

How is energy reduced?

A standard VRF system, and previous VRV systems, utilize a capacity based control logic where the system will adjust to meet the capacity requirements of the space. With VRT Daikin have optimized to focus not only on capacity but efficiency and comfort.

According to changes in the room heat load and the ambient air temperature, the evaporating temp. (in cooling) and condensing temperature (in heating) are automatically adjusted to minimize the difference with the condensing temperature and the evaporation temperature, respectively.

This makes the compressors work less and also enables the system to always maintain the ideal compressor speed so that the Daikin VRV system can deliver the optimum efficiency.

Basic mode is selected to maintain optimal comfort. VRT is selected to save energy and prevent excessive cooling.

### Capacity priority

<table>
<thead>
<tr>
<th>Fixed Refrigerant Temperature</th>
<th>Variable Refrigerant Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BASIC MODE</strong></td>
<td><strong>AUTO MODE</strong></td>
</tr>
<tr>
<td>Fixed Te - Standard control</td>
<td>Floating target Te depending on heat load</td>
</tr>
<tr>
<td><strong>HIGH SENSIBLE MODE</strong></td>
<td>Fixed target Te</td>
</tr>
</tbody>
</table>

Selecting VRT enables operation to be optimised for either energy efficiency or rapid cooling.

### Energy saving priority

- **POWERFUL MODE**
  - Reaction speed: Very Fast
  - Can boost capacity above 100% if needed.
  - The refrigerant temperature can go lower in cooling than the set minimum.
- **QUICK MODE**
  - Reaction speed: Fast
  - Gives priority to fast reaction speed.
  - The refrigerant temperature goes down fast to keep the room setpoint stable.
- **MILD MODE**
  - Reaction speed: Medium
  - Gives priority to efficiency.
  - The refrigerant temperature goes down gradually giving priority to the efficiency of the system instead of the reaction speed.
- **ECO MODE**
  - Reaction speed: Unable to change Te
  - Energy saving priority

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Variable Refrigerant Temperature

State-of-the-art energy-saving technology for VRV
Daikin VRV AURORA introduces a new benchmark for VRF technology by integrating advanced technologies to provide comfort, control, energy efficiency and reliability. The Daikin VRV AURORA Series heat pump and heat recovery systems set a new industry standard for heating and cooling solutions by delivering high heat capacities at low ambient applications.

» VRF Industry’s first air-cooled system that delivers heating down to -22°F (-30°C) as standard
» Hot gas bypass circuit allows installation without an additional drain pan heater
» Designed to provide continuous heating during defrost and oil return
» Engineered with Daikin vapor injection compressor for optimized part load efficiencies
» Year round comfort and energy savings with Variable Refrigerant Temperature technology (VRT)
» Refrigerant-cooled efficient and stable inverter board operation, independent of ambient conditions
» Added peace of mind with Auto Changeover ability to back up (auxiliary) heat
» Features corrosion resistant Daikin PE blue fin heat exchanger coating, tested for up to 1,000 hour salt spray

VRV AURORA™
Heat Pump and Heat Recovery
6 to 20 Tons 575V/60Hz/3ph

VRV T-Series Water-Cooled Condensing Unit
Heat Pump and Heat Recovery
8 to 35.5 Tons 575V/60Hz/3ph

The VRV Water-Cooled system combines the characteristics of a water cooled system with the air cooled VRV system and still use the same VRV indoor units, similar refrigerant piping methods, branch selector boxes, and controls as air cooled VRV systems. The main difference is that heat is rejected or absorbed via the condensing units to and from the 2-pipe water circuit instead of the outside air.

» Flexible System design with increased diversity up to 150%†
» Can be applied to both geothermal and boiler/tower applications as standard with condenser water inlet temperature as low as 14°F (-10°C)† in heating and 23°F (-5°C)† in cooling is possible
» Triple-stack capable to deliver up to 35.5 tons in just under 11.5 feet ceiling height thanks to the compact design
» Engineered with heat rejection cancellation technology† to eliminate mechanical room conditioning requirements
» 2-9V variable water flow control logic† as standard to increase waterside system operational efficiencies
» Drop-down switch box for easy service to key components
» Field selectable top or front refrigerant connections for flexible and easy installation

† Conditions/rules apply. Refer to Installation and Engineering Manual for further details.
Daikin 575V VRV IV series combines the benefits of VRV IV with a native 575V power supply, further optimizing the total life cycle cost of the VRV system. Features such as Variable Refrigerant Temperature (VRT) technology maximize comfort and optimize operational costs, while the incorporation of 575V inverter boards and compressors reduces installation costs by eliminating the need for additional transformers or voltage converters.

- Designed with Daikin K-type compressor to deliver heating down to -13°F (-25°C) as standard
- Year round comfort and efficiencies with automatic and customizable Variable Refrigerant Temperature technology
- Optimized part load efficiencies delivered by dedicated all-inverter 575V compressors and inverter fan motors
- Designed and optimized for Total Cost of Construction (TCC) and Life Cycle Cost (LCC)
- Features corrosion resistant Daikin PE blue fin heat exchanger coating, tested for up to 1,000 hour salt spray
- Refrigerant cooled inverter technology allows installation without drain pan heaters at extreme low ambient conditions
- Auto changeover to back up auxiliary heat as standard
- Compatible with full suite of T-series Branch Selector boxes, M, P, & T-series VRV indoor units

Outstanding 10-Year Parts and Compressor Limited Warranties

Outstanding warranty with 10-Year Replacement Compressor Limited Warranty and 10-Year Parts Limited Warranty as standard ensures our confidence in our VRV products.

* Complete warranty details available from your local Daikin manufacturer’s representative or distributor or online at www.daikincomfort.com.
<table>
<thead>
<tr>
<th>TYPE</th>
<th>MODEL</th>
<th>FEATURES</th>
<th>PRODUCT NAME</th>
</tr>
</thead>
</table>
| Air Cooled - 575V | VRF/AURORA™ Heat Recovery | » VRF Industry’s first air-cooled system that delivers heating capacities down to -22°F (-30°C) as standard  
« Year round comfort and energy savings with Variable Refrigerant Temperature technology (VRT)  
« Refrigerant-cooled efficient and stable inverter board operation, independent of ambient conditions  
« Hot gas base pan circuit allows installation without an additional drain pan heater  
« Heat recovery multi-mode models designed to provide continuous heating during defrost and oil return  
« Added peace of mind with Auto Changeover ability to back up (auxiliary) heat  
« Corrosion resistant, 1000 hours salt spray tested Daikin PE blue fin heat exchanger | RELQ_TAYCU   |
|                 | VRV/AURORA™ Heat Pump       | » VRF Industry’s first air cooled system that delivers heating down to -22°F (-30°C) as standard  
« Hot gas base pan circuit allows installation without an additional drain pan heater  
« Engineered with Daikin vapor injection compressor for optimized part load efficiencies  
« Added peace of mind with Auto Changeover ability to back up (auxiliary) heat  
« Corrosion resistant, 1000 hours salt spray tested Daikin PE blue fin heat exchanger | RXQ_TAYC     |
| VRV IV/Heat Recovery | VRV IV Heat Pump         | » Designed with Daikin K-type compressor to deliver heating down to -13°F (-25°C) as standard  
« The perfect personal comfort for guests/tenants via simultaneous cooling and heating  
« Year round comfort and efficiencies with automatic and customizable Variable Refrigerant Temperature technology  
« Refrigerant cooled inverter technology allows installation without drain pan heaters at extreme low ambient conditions  
« Widest range of Branch Selector boxes on the market | REYQ_TAYCU   |
| VRV IV/Heat Pump | VRV IV                      | » Engineered with 57/5V inverter board and compressor to eliminate need for additional transformer  
« Designed with Daikin K-type compressor to deliver heating down to -13°F (-25°C) as standard  
« Year round comfort and efficiencies with automatic and customizable Variable Refrigerant Temperature technology  
« Refrigerant cooled inverter technology allows installation without drain pan heaters at extreme low ambient conditions | RXYQ_TAYCU   |
| Water-Cooled - 575V | VRV IV/T-Series Water-Cooled Condensing Unit Heat Recovery / Heat Pump | » Ideal for high rise buildings, using water as heat source  
« Enables use of geothermal energy as a renewable energy source  
« Flexible System design with increased diversity up to 150%**  
« Triple-stack capable to deliver up to 35.5 tons in just under 11.5 feet ceiling height thanks to the compact design  
« Engineered with heat rejection cancellation technology** to eliminate mechanical room conditioning requirements  
« 2-9V variable water flow control logic** as standard to increase waterside system operational efficiencies | RWEQ_TAYCU   |

* Complete warranty details available from your local distributor or manufacturer’s representative or at www.daikincomfort.com.

** Conditions/rules apply. Refer to Installation and Engineering Manual for further details.
Indoor Units
Indoor Units Overview

What are your choices?

**FXMQ_PBVJU**
HSP Concealed Ducted Unit
Ceiling mounted DC-Ducted unit — ideal for small to large spaces in need of a concealed air-conditioning system.

**FXMQ_MVJU**
HSP High Capacity Concealed Ducted Unit
Ideal unit for larger open space floor plans usually found in offices, retails, hotels or education facilities.

**FXSQ_TAVJU**
MSP Concealed Ducted Unit
Ducted unit with compact design and powerful static pressure capabilities.

**FXTQ_TAVJU**
Multi-Position Air Handling Unit
Vertical air handling unit ideal for both residential and light commercial applications. It has upflow, downflow, horizontal left and horizontal right possibilities.

**FXDQ_MVJU**
LSP Slim Concealed Ducted Unit
Slim duct built-in concealed unit with low profile and low sound level.

**FXNQ_MVJU9**
Concealed Floor-Standing Unit
Floor-standing unit that can easily be installed along a perimeter wall — or concealed.

**FXLQ_MVJU9**
Floor-Standing Unit
Great way to save space. The floor-standing units can easily be installed along a perimeter wall.
FXFQ_TVJU
Round Flow Sensing Cassette Ceiling Mounted
Ideal for open plan applications such as classrooms and offices where adaptive comfort control is preferred. Provides excellent comfort level, energy efficiency, and flexibility due to advanced control functions.

FXZQ_TAVJU
VISTA™ 2x2 Cassette for VRV 2’x2’ 4-way Cassette best for open plan applications such as classrooms, offices and retail.

FXUQ_PVJU
4-Way Blow Ceiling-Suspended Cassette
Perfect solution for rooms without a false ceiling, or minimal space above a false ceiling, where adaptive comfort control is preferred.

FXEQ_PVJU
Ceiling-Mounted Cassette (Single Flow)
Slim and compact design for installation flexibility. For hotel rooms, offices and residential.

FXAQ_PVJU
Wall-Mounted Unit
Unit ideal for cooling or heating smaller zones such as stores, offices and restaurants. Compact and stylish design.

FXHQ_MVJU
Ceiling-Suspended Unit Ceiling-suspended with slim and elegant design.
<table>
<thead>
<tr>
<th>TYPE</th>
<th>MODEL</th>
<th>FEATURES</th>
<th>PRODUCT NAME</th>
</tr>
</thead>
</table>
| Ducted | HSP DC Concealed Ducted Unit | • Energy efficient due to the DC fan motor  
• Ideal to use together with the optional Daikin Zoning Kit, D2K  
• Enhanced indoor air quality and LEED ready with MERV 13 filter options  
• Flexible ductwork design with ESP capabilities up to 0.8” In. Wg  
• Installation flexibility with a low profile, compact design at less than 12” in height | FXMQ_P8VJU |
| Ducted | MSP Concealed Ducted Unit | • Powerful static pressure up to 0.6” In. Wg  
• Low profile height of only 9-11/16”  
• Auto fan speed control optimizes energy use, occupant comfort, and sound levels  
• Factory shipped for rear air inlet — field convertible to bottom air inlet  
• Integral condensate pump with more than 25” of lift | FXSQ_TAWJU |
| Ducted | LSP Slim Concealed Ducted Unit | • Slim height, at only 7-1/8”  
• Washable filter included  
• Low sound level  
• Factory shipped for rear air inlet — field convertible to bottom air inlet  
• Condensate pump with vertical lift of up to 21-1/2” included as standard | FXDD_MVJU |
| Multi-Position Air Handling Unit | Multi-Position Air Handling Unit | • Ideal replacement for fan coils, geothermal heat pumps or traditional splits systems  
• Upflow and horizontal right installation is permitted  
• ECM fan motor provides energy efficiency  
• Wide line up of electric heat (field installed) options from 3kW to 20kW | FXTQ_TAVJU |
| Ducted | HSP High Capacity Concealed Ducted Unit | • Design flexibility with a capacity range up to 98 MBH  
• Improved ductwork and filtration flexibility with high CFM and ESP capabilities  
• Low profile design of less than 19” high to reduce required installation space  
• Ideal for Hotels, Schools, Retail | FXMQ_MVJU |
| Concealed Floor-Standing Unit | Concealed Floor-Standing Unit | • Ideal for installation beneath a window  
• Requires minimal installation space  
• Fitted with a washable long-life filter  
• Space-saving unit can be freestanding or wall-mounted | FXNQ_MVJU9 |
| Duct-Free | Round Flow Sensing Cassette | • True 360° Airflow and three room sensors enables optimized occupant comfort  
• Energy efficient with DC fan motor and auto-logic that adjusts fan speed  
• Optional self-cleaning filter panel to further increase efficiency and reduce maintenance  
• Increased indoor air quality with high efficiency filter options and ventilation connection kit  
• Very flexible with 18 different possible airflow patterns | FFXQ_TVJU |
| Ceiling-Mounted Cassette (Single flow) | 4-Way Ceiling-Suspended Cassette | • Very low unit height of under 8”  
• Optional Sensor Kit enables input from three room sensors  
• Stylish unit blends easily with any interior  
• Individual air louver control | FFXQ_PVJU |
| Ceiling-Mounted Cassette (Single flow) | VISTA™ 2x2 Cassette for VRV Systems | • Fits in a standard 2’ x 2’ ceiling grid with no overlap of adjacent tiles  
• Features a low profile decoration panel design measuring only 5/16” deep  
• Space-saving depth of units requires only 11.75” of ceiling space  
• Easy-to-clean grille, washable long-life filter  
• Optional space and presence sensor accessory enhances energy efficiency and occupant comfort | FFXQ_TAVJU |
| Duct-Free | Ceiling-Suspended Unit | • Only 7-1/2” in height and a width of 18-½” making it possible to use this style of indoor unit in the tightest of spaces  
• The unit is equipped with both horizontal and vertical louveres to optimize the airflow and throw to suite your room design  
• The indoor unit can be set to 5 predetermined fan speeds which allows for optimum and comfortable airflow  
• Factory installed condensate pump with a lift capacity of up to 33-1/2” (measured from the bottom of the unit) | FXEQ_PVJU |
| Duct-Free | Ceiling-Mounted Unit | • One of our slimmest indoor units, less than 8”  
• Wide air discharge outlet distributes a comfortable airflow throughout the entire space  
• Innovative stream fan technology keeps sound pressure levels low  
• Smooth flat louver design makes cleaning simple  
• Long-life filter is standard | FXHQ_MVJU |
| Duct-Free | Wall-Mounted Unit | • Auto-swing mechanism ensures efficient air distribution via louveres  
• Wide air discharge outlet distributes a comfortable airflow throughout the entire space  
• Horizontal louveres and front panel can be easily removed for cleaning  
• Drain pipe can be easily hidden from sight  
• Compact and stylish design | FXAQ_PVJU |
| Floor-Standing Unit | Floor-Standing Unit | • Ideal for installation beneath a window  
• Unit requires minimal installation space  
• Fitted with a washable long-life filter  
• Remote-control options available  
• Space-saving unit can be freestanding or wall-mounted | FXLQ_MVJU9 |

**Product Portfolio (cont.)**

**Indoor Units**

**TYPE**
- Ducted
- Duct-Free
- Multi-Position Air Handling Unit

**MODEL**
- HSP DC Concealed Ducted Unit
- MSP Concealed Ducted Unit
- LSP Slim Concealed Ducted Unit
- VISTA™ 2x2 Cassette for VRV Systems
- Ceiling-Mounted Cassette (Single flow)

**FEATURES**
- Fitted with a washable long-life filter
- Smooth flat louver design makes cleaning simple
- ECM fan motor provides energy efficiency
- Slim height, at only 7-1/8”
- Low sound level
- Ideal replacement for fan coils, geothermal heat pumps or traditional splits systems
- True 360° Airflow
- Very low unit height of under 8”
- One of our slimmest indoor units, less than 8”
- Energy efficient due to the DC fan motor
- Enhanced indoor air quality and LEED ready with MERV 13 filter options
- Flexible ductwork design with ESP capabilities up to 0.8” In. Wg
- Installation flexibility with a low profile, compact design at less than 12” in height
- Powerful static pressure up to 0.6” In. Wg
- Low profile height of only 9-11/16”
- Auto fan speed control optimizes energy use, occupant comfort, and sound levels
- Factory shipped for rear air inlet — field convertible to bottom air inlet
- Condensate pump with more than 25” of lift
- Slim height, at only 7-1/8”
- Washable filter included
- Low sound level
- Factory shipped for rear air inlet — field convertible to bottom air inlet
- Condensate pump with vertical lift of up to 21-1/2” included as standard
- Ideal replacement for fan coils, geothermal heat pumps or traditional splits systems
- Upflow and horizontal right installation is permitted
- ECM fan motor provides energy efficiency
- Wide line up of electric heat (field installed) options from 3kW to 20kW
- Design flexibility with a capacity range up to 98 MBH
- Improved ductwork and filtration flexibility with high CFM and ESP capabilities
- Low profile design of less than 19” high to reduce required installation space
- Ideal for Hotels, Schools, Retail
- True 360° Airflow
- Three room sensors enables optimized occupant comfort
- Energy efficient with DC fan motor and auto-logic that adjusts fan speed
- Optional self-cleaning filter panel to further increase efficiency and reduce maintenance
- Increased indoor air quality with high efficiency filter options and ventilation connection kit
- Very flexible with 18 different possible airflow patterns
- Very low unit height of under 8”
- Optional Sensor Kit enables input from three room sensors
- Stylish unit blends easily with any interior
- Individual air louver control
- Fits in a standard 2’ x 2’ ceiling grid with no overlap of adjacent tiles
- Features a low profile decoration panel design measuring only 5/16” deep
- Space-saving depth of units requires only 11.75” of ceiling space
- Easy-to-clean grille, washable long-life filter
- Optional space and presence sensor accessory enhances energy efficiency and occupant comfort
- Only 7-1/2” in height and a width of 18-½” making it possible to use this style of indoor unit in the tightest of spaces
- The unit is equipped with both horizontal and vertical louveres to optimize the airflow and throw to suite your room design
- The indoor unit can be set to 5 predetermined fan speeds which allows for optimum and comfortable airflow
- Factory installed condensate pump with a lift capacity of up to 33-1/2” (measured from the bottom of the unit)
- One of our slimmest indoor units, less than 8”
- Wide air discharge outlet distributes a comfortable airflow throughout the entire space
- Innovative stream fan technology keeps sound pressure levels low
- Smooth flat louver design makes cleaning simple
- Long-life filter is standard
- Auto-swing mechanism ensures efficient air distribution via louveres
- Wide air discharge outlet distributes a comfortable airflow throughout the entire space
- Horizontal louveres and front panel can be easily removed for cleaning
- Drain pipe can be easily hidden from sight
- Compact and stylish design
- Ideal for installation beneath a window
- Unit requires minimal installation space
- Fitted with a washable long-life filter
- Remote-control options available
- Space-saving unit can be freestanding or wall-mounted

**PRODUCT NAME**
- FXMQ_P8VJU
- FXSQ_TAWJU
- FXDD_MVJU
- FXTQ_TAVJU
- FXMQ_MVJU
- FXNQ_MVJU9
- FFXQ_TVJU
- FFXQ_PVJU
- FFXQ_TAVJU
- FXEQ_PVJU
- FXHQ_MVJU
- FXAQ_PVJU
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- FFXQ_PVJU
- FFXQ_TAVJU
- FXEQ_PVJU
- FXHQ_MVJU
- FXAQ_PVJU
- FXLQ_MVJU9
## Major Accessories Lineup

### Branch Selector Boxes
Providing flexibility and minimizing mechanical and electrical installation costs, Daikin’s branch selector boxes that are used in Heat Recovery systems, are ideal for spaces that require individual heating and cooling control.

### REFNET
REFNET Joints distribute correct flow of refrigerant in every branch of the piping network.

### VRV IV Heat Pump / VRV AURORA™ Heat Pump

<table>
<thead>
<tr>
<th>Optional Accessories</th>
<th>RXQ072T</th>
<th>RXQ096T</th>
<th>RXQ120T</th>
<th>RXQ192T</th>
<th>RXQ312T</th>
<th>RXQ360T</th>
</tr>
</thead>
<tbody>
<tr>
<td>REFNET Header</td>
<td>KHRP26M22H (max. 4 branch)</td>
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<td>KHRP26M22H (max. 4 branch)</td>
</tr>
</tbody>
</table>

- Distributed piping
- REFNET Header KHRP26M22H (max. 4 branch)
- REFNET Joint KHRP26A22T, KHRP26A33T
- Outdoor unit multi connection piping kit —

### VRV IV Heat Recovery / VRV AURORA™ Heat Recovery

<table>
<thead>
<tr>
<th>Optional Accessories</th>
<th>REYQ072T</th>
<th>RELQ096T</th>
<th>REYQ120T</th>
<th>RELQ120T</th>
<th>REYQ192T</th>
<th>RELQ192T</th>
<th>REYQ312T</th>
<th>RELQ312T</th>
<th>REYQ360T</th>
<th>RELQ360T</th>
</tr>
</thead>
<tbody>
<tr>
<td>REFNET Header</td>
<td>KHRP25M33H9 (max. 8 branch)</td>
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</tr>
</tbody>
</table>

- Distributed piping
- REFNET Header KHRP25M33H9 (max. 8 branch)
- REFNET Joint KHRP25A22T9, KHRP25A33T9
- Outdoor unit multi connection piping kit —

### VRV T-Series Water-Cooled Heat Pump / Heat Recovery

<table>
<thead>
<tr>
<th>UNIT MODEL NUMBER</th>
<th>VRV T-SERIES WATER COOLED</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNIT MODEL NUMBER</td>
<td>RWEQ86TAYCU</td>
</tr>
<tr>
<td>Heat Pump</td>
<td>KHRP26M33H9 (Max 4 branch)</td>
</tr>
<tr>
<td>Heat Recovery</td>
<td>KHRP26M33H9 (Max 8 branch)</td>
</tr>
<tr>
<td>Heat Pump</td>
<td>KHRP26A22T9, KHRP26A33T9</td>
</tr>
<tr>
<td>Heat Recovery</td>
<td>KHRP26A22T9, KHRP26A33T9</td>
</tr>
</tbody>
</table>

- Outdoor Unit Multi Piping Connection Kit —
- Heat Pump —
- Heat Recovery —
Major Accessories Lineup (cont.)

**DZK (Daikin Zoning Kit)**

The optional DZK increases the flexibility of the Daikin VRV and SkyAir systems in both residential and commercial applications by adding a Zoning Box to an indoor unit fan coil, allowing several separate ducts to supply air to different individually controlled zones. The DZK BACnet® Interface module will work with any BACnet®/IP compatible Building Management System.

**Air Treatment Systems**

Daikin’s Outside Air Processing Unit can combine fresh air treatment and air conditioning, supplied from a single system. The compact Energy Recovery Ventilator is designed to improve indoor air quality while reducing the overall HVAC system power consumption. This is achieved by providing fresh outside air and recovering waste heat from exhaust air leaving the conditioned space.

<table>
<thead>
<tr>
<th>OUTSIDE AIR PROCESSING UNIT, FXMQ_MFVJU</th>
<th>ENERGY RECOVERY VENTILATOR, VAM-GVJU</th>
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</thead>
<tbody>
<tr>
<td>VRV/Refrigerant Piping</td>
<td>Connectable</td>
</tr>
<tr>
<td>VRV/Control Wiring</td>
<td>Connectable</td>
</tr>
<tr>
<td>High Efficiency Filter (MERV 8 and MERV 13)</td>
<td>Option</td>
</tr>
<tr>
<td>Ventilation System</td>
<td>Air supply</td>
</tr>
<tr>
<td>Power Supply</td>
<td>V/ph/Hz</td>
</tr>
<tr>
<td>Airflow Rate</td>
<td>CFM</td>
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Snow/Wind Hood Kits

The optional Snow/Wind Hood Kits mount to VRV IV and VRV AURORA series units over the heat exchanger coil to protect from snow build-up and wind in cold climates. The Hoods install easily to condensing units using existing screw taps with no modification required. Different kits can be ordered for different job requirements per table below.

<table>
<thead>
<tr>
<th>KIT PART NUMBER</th>
<th>CHASSIS SIZE</th>
<th>KIT INCLUSION</th>
</tr>
</thead>
<tbody>
<tr>
<td>VRV-SHS-FR</td>
<td>Small Chassis</td>
<td>Front Hood</td>
</tr>
<tr>
<td>VRV-SHL-FR</td>
<td>Large Chassis</td>
<td>Front Hood</td>
</tr>
<tr>
<td>VRV-SH-RL</td>
<td>Both Chassis</td>
<td>Front Hood</td>
</tr>
<tr>
<td>VRV-SHS-T</td>
<td>Small Chassis</td>
<td>Right Hood</td>
</tr>
<tr>
<td>VRV-SHL-T</td>
<td>Large Chassis</td>
<td>Left Hood</td>
</tr>
</tbody>
</table>

Hail Guard Kit for VRV IV and VRV AURORA™

The optional hail guard kit for VRV IV and VRV AURORA enable optimal airflow for efficient heat transfer while providing condenser coil protection from hail damage in severe climates. Each hail guard kit, that is field installed, consists of 4 panels (Right, Left, Front and Back).

<table>
<thead>
<tr>
<th>NUMBER OF KITS REQUIRED FOR EACH OUTDOOR SYSTEM</th>
</tr>
</thead>
<tbody>
<tr>
<td>MODEL TYPE</td>
</tr>
<tr>
<td>VRV AURORA™</td>
</tr>
<tr>
<td>VRV AURORA™</td>
</tr>
<tr>
<td>VRV IV</td>
</tr>
<tr>
<td>VRV IV</td>
</tr>
<tr>
<td>VRV IV</td>
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<td>VRV IV</td>
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<td>VRV IV</td>
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<tr>
<td>VRV IV</td>
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<tr>
<td>VRV IV</td>
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<tr>
<td>VRV IV</td>
</tr>
</tbody>
</table>
VRV Control Systems
Daikin VRV Controls

Optimized for VRV technology, Daikin controls provide highly scalable solutions for all applications and budgets. VRV controls offer solutions to meet your project controls needs from individual zone control with local controllers to centrally controlling the building with Centralized Controllers and/or interfacing with Building Management Systems (BMS) for comfort control in an easily managed and operated system.

<table>
<thead>
<tr>
<th>PROJECT REQUIREMENTS</th>
<th>DAIKIN VRV CONTROLS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>DKN Cloud</td>
</tr>
<tr>
<td>Individual zone control</td>
<td></td>
</tr>
<tr>
<td>Independent cool and heat setpoints</td>
<td></td>
</tr>
<tr>
<td>Individual zone control with weekly programmable scheduling</td>
<td></td>
</tr>
<tr>
<td>Basic central point on/off control of all air handling units</td>
<td></td>
</tr>
<tr>
<td>Advanced multi-zone control of small to medium size projects</td>
<td></td>
</tr>
<tr>
<td>Advanced multi-zone control of large commercial projects</td>
<td></td>
</tr>
<tr>
<td>Advanced multi-zone control with scheduling logic and calendar</td>
<td></td>
</tr>
<tr>
<td>Automatic cooling/heating changeover for heat pump systems</td>
<td></td>
</tr>
<tr>
<td>Single input batch shutdown of all connected air handlers</td>
<td></td>
</tr>
<tr>
<td>Web browser control and monitoring via Intranet and Internet</td>
<td></td>
</tr>
<tr>
<td>E-mail notification of system alarms and equipment malfunctions</td>
<td></td>
</tr>
<tr>
<td>Multiple tenant power billing for shared condenser applications</td>
<td></td>
</tr>
<tr>
<td>Temperature set-point range restrictions</td>
<td></td>
</tr>
<tr>
<td>Graphical user interface with floor plan layout</td>
<td></td>
</tr>
<tr>
<td>Start/stop control of ancillary building systems*</td>
<td></td>
</tr>
<tr>
<td>Daikin VRV integration with BACnet® based automation systems</td>
<td></td>
</tr>
<tr>
<td>Daikin VRV integration with LoniWorks® based automation systems</td>
<td></td>
</tr>
<tr>
<td>Daikin VRV integration with Modbus® based automation systems</td>
<td></td>
</tr>
<tr>
<td>Wi-Fi Option</td>
<td></td>
</tr>
</tbody>
</table>

*Requires one or more DEC102A51-US2 Digital Input/Output units or WAGO® IO module (for use with iTM only).

Native application or feature for this device.  ❑ Dependent upon capabilities of the third party energy management system.
Control Options

Network Solutions

<table>
<thead>
<tr>
<th>TYPE</th>
<th>iTC™</th>
<th>iTM™</th>
<th>LonWorks®</th>
<th>BACnet®</th>
<th>ModBus®</th>
</tr>
</thead>
<tbody>
<tr>
<td>Screen</td>
<td>Layout screen</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Touch screen</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Integration</td>
<td>Mini BMS for heating, air conditioning applied systems and refrigeration units (BACnet® and WAGO®)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3rd party equipment integration (BACnet® and WAGO®)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Control</td>
<td>Basic control functions: on/off, set point setting, air flow settings, operation mode</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Temperature limitation</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Setback</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Automatic changeover</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Weekly schedule and special day pattern</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Timer extension</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>Forced off</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td></td>
<td>Interlock</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Monitoring</td>
<td>Basic control functions: ON/OFF status, operation mode, set point temp.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Filter status</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Malfunction code</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>History (operation, malfunction…)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Visualization</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Options</td>
<td>PPD (Power Proportional Distribution)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Web access and control</td>
<td>Std</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>HTTP option</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>BACnet® Client</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>BACnet® Server</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td></td>
<td>D-Net Service</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Operation Data</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td>Maximum number of indoor unit groups</td>
<td>2 x 64</td>
<td>8 x 64</td>
<td>64</td>
<td>4 x 64</td>
</tr>
</tbody>
</table>

Powerful Service Tool with Indoor and Outdoor Unit Operation Data Points

» When a problem occurs, the BMS integrators and Service Technicians can start troubleshooting immediately before going to the site.

» Indoor and outdoor operation data trending* by BMS can benefit the VRV service process.

*BMS programming needed
Limitations may apply to some models and functions. Please contact your local sales office for details.

Note: BACnet® is a registered trademark of the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE). LonWorks® is a trademark of Echelon Corporation registered in the United States and other countries. Modbus® is a registered trademark of Modicon.
DIII-NET
(Communications Transmission)
DIII-NET, Daikin’s unique communication transmission system, links indoor units and various other building equipment – in accordance with applications, scale and conditions and transmits vast amounts of information between them.

**Limitations may apply to some models and functions.**
Please contact your local sales office for details.

**Note:**
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**External Equipment Control**

**Building services equipment:**
- Sensors
- Ventilation Equipment
- Building Lights
- Pump
- Valve

**Complete Control of External Equipment with Custom Programming**

**Building services equipment:**
- Dedicated Outside Air Supply (DOAS)
- DVS DOAS System
- MicroTech III
- Light Commercial RTU
- RA Interface Adaptor (KRP926B25S)
- Navigation™ Remote Controller (BRC1E73)
- DKN Cloud Wi-fi Adapter
- Simplified Remote Controller (BRC2A71)
- Wireless Remote Controller

**Central Remote Controller**

**Building services equipment:**
- Sensors
- Ventilation Equipment
- Building Lights
- Pump
- Valve

**Complete Control of External Equipment with Custom Programming**

**Building services equipment:**
- Dedicated Outside Air Supply (DOAS)
- DVS DOAS System
- MicroTech III
- Light Commercial RTU
Support and Tools

The tools have been designed to be simple to use, easily accessible and to address the various considerations and steps in the evolution of a residential or commercial project, aimed at helping the architect, consulting engineer, contractor, installation technician, and service company to enhance workflows and general project execution.

Daikin VRV Support and Tools Overview

<table>
<thead>
<tr>
<th>CATEGORIES</th>
<th>TOOLS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Selection</td>
<td>■</td>
</tr>
<tr>
<td>Energy screening and simulation</td>
<td>■</td>
</tr>
<tr>
<td>Design and verification</td>
<td>■</td>
</tr>
<tr>
<td>Online and tablet reference (spec, data, submittal)</td>
<td>■</td>
</tr>
<tr>
<td>Smartphone and mobile reference</td>
<td>■</td>
</tr>
<tr>
<td>After sales and service</td>
<td>■</td>
</tr>
</tbody>
</table>

- **WebXpress**: Selection
- **Ventilation Xpress**: Energy screening and simulation
- **Controls Configurator**: Design and verification
- **Online Energy Calculator**: Online and tablet reference
- **Performance curves for third-party energy simulation Programs**: Smartphone and mobile reference
- **CAD Drawings**: After sales and service
- **IES-VE Daikin VRV plug-in**: Selection
- **Reference Charge Calculator**: Energy screening and simulation
- **Ventilation Rate Calculator**: Design and verification
- **Dr. Daikin**: After sales and service
- **VRV Configurator**: Online and tablet reference
- **Service Checker**: After sales and service
- **Online Spare Parts Bank**: After sales and service
About Daikin:

Daikin Industries, Ltd. (DIL) is a global Fortune 1000 company which celebrated its 90th anniversary in May 2014. The company is recognized as one of the largest HVAC (Heating, Ventilation, Air Conditioning) manufacturers in the world. DIL is primarily engaged in developing indoor comfort systems and refrigeration products for residential, commercial and industrial applications. Its consistent success is derived, in part, from a focus on innovative, energy-efficient and premium quality indoor climate and comfort management solutions.

WARNINGS:

» Always use a licensed installer or contractor to install this product. Do not try to install the product yourself. Improper installation can result in water or refrigerat leakage, electrical shock, fire or explosion.

» Use only those parts and accessories supplied or specified by Daikin. Ask a licensed contractor to install those parts and accessories. Use of unauthorized 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.

» For any inquiries, contact your local Daikin sales office.

Daikin, VRV and their designs are trademarks owned by Daikin.