



ENERGY-INTELLIGENT™ TECHNOLOGY  
HEATING AND COOLING SYSTEMS

A photograph of a modern waiting area with rows of silver metal chairs on a highly reflective floor. The ceiling has recessed lighting and a fire exit sign is visible in the distance.

10.15



**VRV**

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**PRODUCT  
PORTFOLIO**

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**LARGEST**  
MANUFACTURER &  
OF HVAC PRODUCTS &  
REFRIGERANTS IN THE WORLD



**#1 RANKING IN**  
**GLOBAL AIR**  
CONDITIONING SALES



PRODUCES PRODUCTS IN OVER  
**70 COUNTRIES**  
SALES IN OVER 140

**THE FIRST**  
**VRV SYSTEM**  
WAS INVENTED BY  
**DAIKIN IN 1982**



# 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.

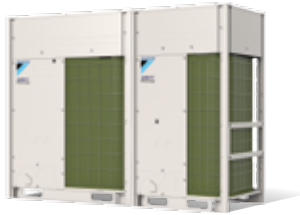


## Outdoor units

### VRV IV

#### Heat Recovery

- Fully integrated solution with heat recovery offers high efficiencies with IEER values up to 29.3
- Total comfort solution for heating, cooling, ventilation, and controls
- Outstanding warranty\* with 10 year compressor and parts limited warranty as standard
- Perfect personal comfort for guests / tenants via simultaneous cooling and heating
- Incorporates VRV IV standards and technologies such as variable refrigerant temperature and all inverter compressors
- Unique range of single and multi-port branch selector boxes
- Heating function down to -13°F ambient air temperature
- Daikin VRV IV is the first variable refrigerant flow (VRF) system to be assembled in North America



### VRV IV

#### Heat Pump

- Total comfort solution for heating, cooling, ventilation and controls
- Energy efficiency values (IEER) up to 28.0
- Incorporates VRV IV standards and technologies such as variable refrigerant temperature and all inverter compressors
- Best-In-class warranty\* with 10 year compressor and parts limited warranty as standard
- Daikin VRV IV is the first variable refrigerant flow (VRF) system to be assembled in North America



### VRV III

#### Heat Recovery

- Advanced continuous heating during defrost cycle and oil return for single module systems
- Variable Refrigerant Temperature (VRT) control
- Extended operating range with heating function down to -4°F ambient air temperature



### VRV III-S

#### Air-Cooled

VRV III-S systems are equipped with built-in intelligence which provide independent zoning control with maximum flexibility and energy savings. With the ability to connect up to eight indoor units to one outdoor unit, the space-saving VRV III-S system is ideal for most light commercial and residential applications.



- Single phase technology
- Smaller capacity for precise temperature control
- Space-saving design and flexible indoor unit options offer quick and easy installation
- Superior energy efficiency, especially under part load conditions
- Soft sound levels for comfort
- Single-supplier reliability
- Straightforward maintenance and service with self-diagnostic functions

## Condensing unit

### VRV IV **NEW**

W Series Water Cooled System












#### Water Cooled

- Enables geothermal energy as an energy source
- Can be applied to both geothermal and boiler, cooling tower applications
- Geothermal mode eliminates need for an external heating or cooling source
- Compact and lightweight design can be stacked for maximum space saving
- Can be applied to both geothermal and boiler/tower applications as standard with condenser water inlet temperature as low as 14°F in heating and 27°F in cooling is possible



\* Complete warranty details available from your local Daikin manufacturer's representative or distributor or online at [www.daikincomfort.com](http://www.daikincomfort.com).

## Outdoor Units Lineup

TYPE	MODEL	FEATURES	PRODUCT NAME	CAPACITY (TONS)																					
				3	4	6	7	8	10	12	14	16	18	20	21	22	24	26	28	30	32	34	36	38	
Air cooled	VRV IV Heat Recovery	<ul style="list-style-type: none"> <li>Best efficiency &amp; comfort solution</li> <li>Fully integrated solution with heat recovery for high efficiencies with IEER of up to 29.3</li> <li>Covers all thermal needs of a building via a single point of contact for accurate temperature control</li> <li>The perfect personal comfort for guests/tenants via simultaneous cooling and heating</li> <li>Incorporates VRV IV standards &amp; technologies such as Variable Refrigerant temperature and all inverter compressors</li> <li>Widest range of Branch Selector boxes on the market</li> </ul>	REYQ-T <b>VRV IV</b> 			●		●	●	●	●														
												●	●	●		●	●	●	●						
																					●	●	●	●	●
Air cooled	VRV IV Heat Pump	<ul style="list-style-type: none"> <li>Daikin's solution for comfort &amp; low energy consumption</li> <li>Covers all thermal needs of a building via a single point of contact for accurate temperature control</li> </ul>	RXYQ-T <b>VRV IV</b> 			●		●	●	●	●														
													●	●	●		●	●	●	●					
																					●	●	●		
	VRV III PC Heat Recovery	<ul style="list-style-type: none"> <li>Advanced continuous heating during defrost cycle and oil return for single module systems</li> <li>Variable Refrigerant Temperature (VRT) control</li> <li>Extended operating range with heating function down to -4°F ambient air temperature</li> </ul>	REYQ-PC <b>VRV III</b> 			●		●	●	●*															
	VRV III-S Heat Pump	<ul style="list-style-type: none"> <li>Single phase technology</li> <li>Space saving solution without compromising on efficiency</li> <li>For residential and light commercial applications</li> </ul>	RXYMQ-PV <b>VRV III-S</b> 	●	●																				
Water cooled	VRV IV W-Series Heat Recovery / Heat Pump	<ul style="list-style-type: none"> <li>Ideal for high rise buildings, using water as heat source</li> <li>Enables use of geothermal energy as a renewable energy source</li> <li>No need for an external heating or cooling source when used in geothermal mode</li> <li>Covers all thermal needs of a building via a single point of contact for accurate temperature control</li> <li>Compact &amp; lightweight design can be stacked for maximum space saving</li> <li>Incorporates VRV IV standards &amp; technologies such as Variable Refrigerant temperature and all inverter compressors.</li> </ul>	<b>NEW</b> RWEYQ-PC <b>VRV IV</b> <small>W-Series Water Cooled System</small> 			●	●																		
													●	●											
															●	●									

\* 208-230V/3Ph/60Hz only

# Indoor units overview

## What are your choices?

### FXMQ-PBVJU

#### DC-Ducted Concealed Ceiling (Medium Static)

Ceiling mounted DC-Ducted unit — ideal for small to large spaces in need of a concealed air-conditioning system. The optional DZK connects to the unit allowing several separate ducts to supply air to different individually controlled zones.



### FXMQ-MVJU

#### Concealed Ceiling Unit (Medium Static)

Ideal unit for larger open space floor plans usually found in offices, retails, hotels or education facilities.



### FXDQ-MVJU

#### Slim Duct Built-In Concealed Ceiling 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.



### FXTQ-PAVJU

#### Vertical Air Handling Unit (Horizontal RHS is Possible)

Vertical air handling unit ideal for both residential and light commercial applications. It has both upflow and horizontal right installation possibilities.



### 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.



# Indoor units overview (continued)

NEW

## **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.



NEW

## **FXEQ-PVJU** Ceiling-Mounted Cassette (Single Flow)

Slim and compact design for installation flexibility. For hotel rooms, offices and residential.



## **FXZQ-MVJU9** 2'x2' 4-Way Ceiling-Mounted Cassette

2'x2' 4-way Cassette best for open plan applications such as classrooms, offices and retail.



## **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.



## **FXLQ-MVJU9** Floor-Standing Unit

Great way to save space. The floor-standing units can easily be installed along a perimeter wall.



# Product portfolio (continued)

## Indoor Units Lineup

TYPE	MODEL	FEATURES	PRODUCT NAME
Ducted	DC-Ducted Concealed Ceiling Unit	<ul style="list-style-type: none"> <li>Energy efficient due to the DC fan motor</li> <li>Ideal to use together with the optional Daikin Zoning Kit, DZK</li> <li>Enhanced indoor air quality and LEED ready with MERV 13 filter options</li> <li>Flexible ductwork design with ESP capabilities up to 0.8" W.G.</li> <li>Installation flexibility with a low profile, compact design at less than 12" in height</li> </ul>	FXMQ-PBVJU 
	Slim-Duct, Built-In Concealed Ceiling Unit	<ul style="list-style-type: none"> <li>Slim height, at only 7-7/8"</li> <li>Washable filter included</li> <li>Low sound level</li> <li>Factory shipped for rear air inlet —field convertible to bottom air inlet</li> <li>Condensate pump with vertical lift of up to 21-5/8" included as standard</li> </ul>	FXDQ-MVJU 
	Vertical Air Handling Unit	<ul style="list-style-type: none"> <li>Ideal replacement for fan coils, geothermal heat pumps or traditional splits systems</li> <li>Upflow and horizontal right installation is permitted</li> <li>ECM fan motor provides energy efficiency</li> <li>Wide line up of electric heat (field installed) options from 3kW to 20kW</li> </ul>	FXTQ-PAVJU 
	Concealed Ceiling Unit (Medium Static)	<ul style="list-style-type: none"> <li>Design flexibility with a capacity range up to 96 MBH</li> <li>Improved ductwork and filtration flexibility with high CFM and ESP capabilities</li> <li>Low profile design of less than 19" high to reduce required installation space</li> <li>Ideal for Hotels, Schools, Retail</li> </ul>	FXMQ-MVJU 
	Concealed Floor-Standing Unit	<ul style="list-style-type: none"> <li>Ideal for installation beneath a window</li> <li>Requires minimal installation space</li> <li>Fitted with a washable long-life filter</li> <li>Space-saving unit can be freestanding or wall-mounted</li> </ul>	FXNQ-MVJU9 
Duct-Free	Round Flow Sensing Cassette 	<ul style="list-style-type: none"> <li>True 360° Airflow and three room sensors enables optimized occupant comfort</li> <li>Energy efficient with DC fan motor and auto-logic that adjusts fan speed</li> <li>Optional self-cleaning filter panel to further increase efficiency and reduce maintenance</li> <li>Increased indoor air quality with high efficiency filter options and ventilation connection kit</li> <li>Very flexible with 18 different possible airflow patterns</li> </ul>	FXFQ-TVJU 
	<b>NEW</b> 4-Way Ceiling-Suspended Cassette	<ul style="list-style-type: none"> <li>Very low unit height of under 8"</li> <li>Optional Sensor Kit enables input from three room sensors</li> <li>Stylish unit blends easily with any interior</li> <li>Individual air louver control</li> </ul>	FXUQ-PVJU 
	2' x 2' 4-Way Ceiling-Mounted Cassette	<ul style="list-style-type: none"> <li>Fits in a standard 2' x 2' ceiling grid.</li> <li>Sound pressure levels are as low as 29 dB(A)</li> <li>Space-saving depth of units requires only 11.6" of ceiling space</li> <li>Easy-to-clean grille, washable long-life filter</li> <li>Simple installation with an easy-to-fit decoration panel</li> </ul>	FXZQ-MVJU9 
	<b>NEW</b> Ceiling-Mounted Cassette (Single flow)	<ul style="list-style-type: none"> <li>Only 7-7/8" in height and a width of 18-1/2" making it possible to use this style of indoor unit in the tightest of spaces</li> <li>The unit is equipped with both horizontal and vertical louvers to optimize the airflow and throw to suite your room design</li> <li>The indoor unit can be set to 5 predetermined fan speeds which allows for optimum and comfortable airflow</li> <li>Factory installed condensate pump with a lift capacity of up to 33-7/16" (measured from the bottom of the unit)</li> </ul>	FXEQ-PVJU 
	Ceiling-Suspended Unit	<ul style="list-style-type: none"> <li>One of our slimmest indoor units, less than 8"</li> <li>Wide air discharge outlet distributes a comfortable airflow throughout the entire space</li> <li>Innovative stream fan technology keeps sound pressure levels low</li> <li>Smooth flat louver design makes cleaning simple</li> <li>Long-life filter is standard</li> </ul>	FXHQ-MVJU 
	Wall-Mounted Unit	<ul style="list-style-type: none"> <li>Auto-swing mechanism ensures efficient air distribution via louvers</li> <li>Wide air discharge outlet distributes a comfortable airflow throughout the entire space</li> <li>Horizontal louvers and front panel can be easily removed for cleaning</li> <li>Drain pipe can be easily hidden from sight</li> <li>Compact and stylish design</li> </ul>	FXAQ-PVJU 
	Floor-Standing Unit	<ul style="list-style-type: none"> <li>Ideal for installation beneath a window</li> <li>Unit requires minimal installation space</li> <li>Fitted with a washable long-life filter</li> <li>Remote-control options available</li> <li>Space-saving unit can be freestanding or wall-mounted</li> </ul>	FXLQ-MVJU9 











	CAPACITY													
	MBH	7.5	9.5	12	15	18	24	30	36	42	48	54	72	96
	TON	0.6	0.75	1	1.25	1.5	2	2.5	3	3.5	4	4.5	6	8
	•	•	•	•	•	•	•	•	•		•	•		
	•	•	•			•	•							
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# Product Portfolio (continued)

## Major Accessories Lineup

### NEW 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.

NUMBER OF BRANCHES / MAXIMUM TOTAL CAPACITY INDEX (KBTU/H)							
							
BSQ36TVJ 1/36	BSQ60TVJ 1/60	BSQ96TVJ 1/96	BS4Q54TVJ 4/144	BS6Q54TVJ 6/216	BS8Q54TVJ 8/290	BS10Q54TVJ 10/290	BS12Q54TVJ 12/290

### REFNET

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



REFNET Joint



REFNET Header

### VRV IV Heat Pump

OPTIONAL ACCESSORIES		RXYQ72T RXYQ96T	RXYQ120T RXYQ144T RXYQ168T	RXYQ192T RXYQ216T RXYQ240T RXYQ264T RXYQ288T RXYQ312T RXYQ336T	RXYQ360T RXYQ384T RXYQ408T
Distributed piping	Refnet Header	KHRP26M22H (max. 4 branch) KHRP26M33H (max. 8 branch)	KHRP26M22H (max. 4 branch) KHRP26M33H (max. 8 branch) KHRP26M72H (max. 8 branch)	KHRP26M22H (max. 4 branch) KHRP26M33H (max. 8 branch) KHRP26M72H (max. 8 branch) KHRP26M73HU (max. 8 branch)	
	Refnet Joint	KHRP26A22T KHRP26A33T	KHRP26A22T KHRP26A33T KHRP26M72TU	KHRP26A22T KHRP26A33T KHRP26M72TU KHRP26M73TU	
Outdoor unit multi connection piping kit		—		BHFP22P100U	BHFP22P151U

### VRV IV Heat Recovery

OPTIONAL ACCESSORIES		REYQ72T REYQ96T	REYQ120T REYQ144T REYQ168T	REYQ192T REYQ216T REYQ240T REYQ264T REYQ288T REYQ312T REYQ336T	REYQ360T REYQ384T REYQ408T REYQ432T REYQ456T
Distributed piping	Refnet Header	KHRP26M33H (max. 8 branch)	KHRP26M33H (max. 8 branch) KHRP26M72H (max. 8 branch)	KHRP25M33H9 (max. 8 branch) KHRP25M72H9 (max. 8 branch) KHRP25M73H9 (max. 8 branch)	
	Refnet Joint	KHRP25A22T9 KHRP25A33T9	KHRP25A22T9 KHRP25A33T9 KHRP25M72TU9	KHRP25A22T9 KHRP25A33T9 KHRP25M72TU9 KHRP25M73TU9	
Outdoor unit multi connection piping kit		—		BHFP26P100U	BHFP26P151U

# Product Portfolio (continued)

## Major Accessories Lineup

### VRV III PC Heat Recovery

OPTIONAL ACCESSORIES		REYQ72PC	REYQ96PC REYQ120PC REYQ144PCTJ
Distributed piping	Refnet Header	KHRP25M33H9 (max. 8 branch)	KHRP25M33H9 (max. 8 branch) KHRP25M72H9 (max. 8 branch)
	Refnet Joint	KHRP25A22T9 KHRP25A33T9	KHRP25A22T9 KHRP25A33T9 KHRP25M72TU9

### VRV-IV W-Series Heat Pump / Heat Recovery and VRV-III-S

UNIT MODEL NUMBER	VRV-WIII			VRV-III-S
	RWEYQ72P RWEYQ84P	RWEYQ144P RWEYQ168P	RWEYQ168P RWEYQ252P	RXYMQ36P RXVMQ48P
REFNET Header	KHRP25M33H9 (max. 8 branch) KHRP26M22H9 (max. 4 branch) KHRP26M33H9 (max. 8 branch)	KHRP25M33H9 (max. 8 branch) KHRP25M72H9 (max. 8 branch) KHRP26M22H9 (max. 4 branch) KHRP26M33H9 (max. 8 branch) KHRP26M72H9 (max. 8 branch)	KHRP25M33H9 (max. 8 branch) KHRP25M72H9 (max. 8 branch) KHRP25M73HU9 (max. 8 branch) KHRP26M22H9 (max. 4 branch) KHRP26M33H9 (max. 8 branch) KHRP26M72H9 (max. 8 branch) KHRP26M73HU9 (max. 8 branch)	KHRP26M22H9 (max. 4 branches) KHRP26M33H9 (max. 8 branches)
REFNET Joint	KHRP25M22T9 KHRP25A33T9 KHRP26M22T9 KHRP26A33T9	KHRP25M22T9 KHRP25A33T9 KHRP25M72TU9 KHRP26M22T9 KHRP26A33T9 KHRP26M72TU9	KHRP25M22T9 KHRP25A33T9 KHRP25M72TU9 KHRP25M73TU9 KHRP26M22T9 KHRP26A33T9 KHRP26M72TU9 KHRP26M73TU9	KHRP26M22T9
Outdoor Unit Multi Piping Connection Kit (Heat Pump)		BHFP22MA56U	BHFP22MA84U	
Outdoor Unit Multi Piping Connection Kit (Heat Recovery)		BHFP26MA56U	BHFP26MA84U	

### NEW Hail Guard Kit for VRV IV

The optional hail guard kit for VRV IV enables 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).



KIT PART NUMBER	QUANTITY OF KITS PER VRV IV OU MODEL				
	R_YQ72T	R_YQ96-168T	R_YQ192T	R_YQ216-336T	R_YQ360-456T
VRV4HGS-K1	1	1	1		
VRV4HGL-K1			1	2	3

### 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 (FXMQ-P or FBQ-P series, respectively) allowing several separate ducts to supply air to different individually controlled zones. The DZK BACnet® Gateway module will work with any BACnet/IP compatible Building Management System.

DAIKIN ZONING KIT (DZK) – KIT STRUCTURE AND GENERAL TECHNICAL DATA								
DZK Product Number	Zoning Box with Control Box				Wired Thermostat	Wireless Thermostat	BACnet Gateway Interface	Heat Pump Changeover Master
	DZK030E4, DZK030E4-2	DZK030E5, DZK030E5-2	DZK048E4, DZK048E4-2	DZK048E6, DZK048E6-2	DZK-MTS-1-W, DZK-MTS-2-W	DZK-ZTS-1-W, DZK-ZTS-2-W	DZK-BACNET-2	DZK-CM-1
								-

# Product Portfolio (continued)



## Major Accessories Lineup

### 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.

		OUTSIDE AIR PROCESSING UNIT, FXMQ-MFVJU	ENERGY RECOVERY VENTILATOR, VAM-GVJU
			
VRV Refrigerant Piping		Connectable	Not connectable
VRV Control Wiring		Connectable	
High Efficiency Filter (MERV 8 and MERV 13)		Option	Not available
Ventilation System		Air supply	Air supply and Air exhaust
Power Supply	V/ph/Hz	208-230/1/60	
Airflow Rate	CFM	635 988 1236	300/300/170 470/470/390 600/600/500 1200/1200/930



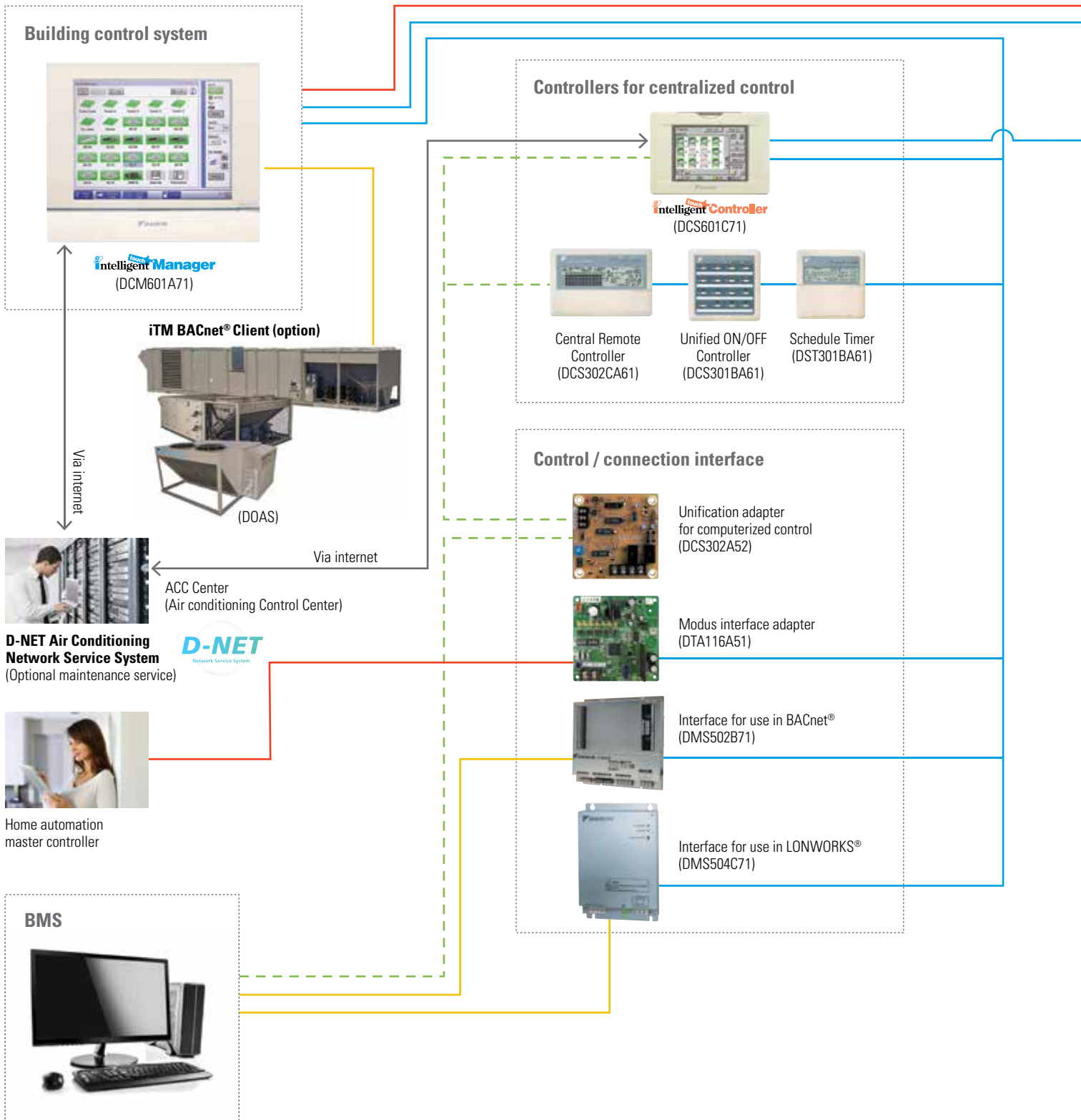
Daikin's air treatment systems —  
creating a better air quality environment.

The configurable display and operation buttons on the Navigation Remote Controller will provide as much or as little control as the installed VRV system requires.



# VRV control systems

The VRV controls system provides an advanced architecture that ensures optimum comfort and building management.



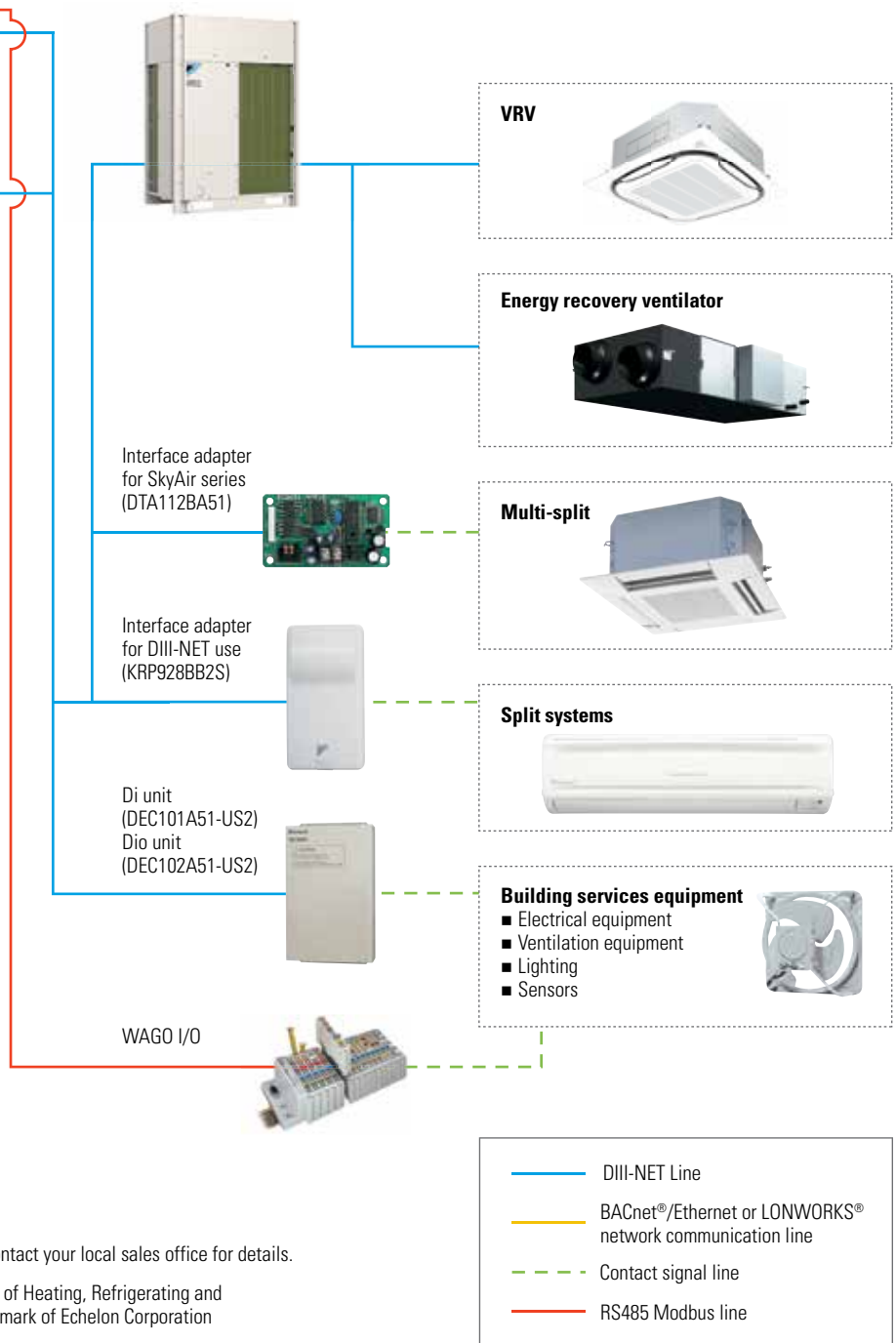
### DIII-NET

(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.

#### The DIII-NET system provides for:

- Close control and monitoring by integrating a wide variety of indoor units throughout the entire building.
- Saves on in-building wiring cost by using two-conductor non-polar wiring. Simple wiring helps to reduce wiring errors.
- Modular build-up of the VRV system with a total wiring length of up to 6560 ft.
- Multiple equipment control options that can seamlessly control equipment.










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

**Note:** BACnet® is a registered trademark of 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.

# VRV control systems (continued)

## 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.

PROJECT REQUIREMENTS	DAIKIN VRV CONTROLS						
	 Navigation Remote Controller	 Simplified Remote Controller	 intelligent Touch Controller	 intelligent Touch Manager	 BACnet® Interface	 LonWorks Interface	 Modbus Interface
Individual zone control	●	●					
Independent cool and heat setpoints	●		●	●			
Individual zone control with weekly programmable scheduling	●		●	●			
Basic central point on/off control of all air handling units			●	●	●	●	●
Advanced multi-zone control of small to medium size projects			●	●	●	●	●
Advanced multi-zone control of large commercial projects			●	●	●	●	
Advanced multi-zone control with scheduling logic and calendar			●	●			
Automatic cooling/heating changeover for heat pump systems	●		●	●			
Single input batch shutdown of all connected air handlers			●	●	●	●	■
Web browser control and monitoring via Intranet and Internet			●	●	■	■	■
E-mail notification of system alarms and equipment malfunctions			●	●	■	■	■
Multiple tenant power billing for shared condenser applications			●	●			
Temperature set-point range restrictions	●		●	●	■	■	■
Graphical user interface with floor plan layout				●	■	■	■
Start/stop control of ancillary building systems*			●	●	■	■	■
Daikin VRV integration with BACnet® based automation systems					●		
Daikin VRV integration with LonWorks® based automation systems						●	
Daikin VRV integration with Modbus based automation systems							●






\* Requires one or more DEC102A51-US2 Digital Input/Output units or WAGO DO 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

TYPE		ITC	ITM	LONWORKS	BACnet®	MODBUS
						
Screen	Layout screen		●			
	Touch screen	●	●			
Integration	Mini BMS for heating, air conditioning applied systems and refrigeration units (BACnet and WAGO)		●			
	3rd party equipment integration (BACnet and WAGO)		●			
Control	Basic control functions: on/off, set point setting, air flow settings, operation mode	●	●	●	●	●
	Temperature limitation	●	●			
	Setback		●			
	Automatic changeover	●	●			
	Weekly schedule and special day pattern	●	●			
	Timer extension		●			
	Forced off	●	●	●	●	
Monitoring	Basic control functions: ON/OFF status, operation mode, set point temp.	●	●	●	●	●
	Filter status	●	●	●	●	●
	Malfunction code	●	●	●	●	●
	History (operation, malfunction...)	●	●			
	Visualization	●	●			
Options	PPD	●	●			
	Web access and control	●	Std			
	HTTP option	●				
Other	Interlock	●	●			
	Maximum number of indoor unit groups	2 x 64	8 x 64	64	4 x 64	16

# 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

CATEGORIES		TOOLS																
		Xpress	W-III Xpress	Ventilation Xpress	Controls Configurator	Online Energy Calculator	IES-VE Daikin VRV plug-in	Performance curves for third-party energy simulation Programs	CAD drawings	Revit models	Reference Charge Calculator	Ventilation Rate Calculator	Daikin City (including Guide Specs, IOMS etc.)	Daikin eQuip application	Dr. Daikin	VRV Configurator	Service Checker	Online Spare Parts Bank
 Selection		●	●	●	●													
 Energy screening and simulation						●	●	●										
 Design and verification									●	●	●	●						
 Online and tablet reference (spec, data, submittal)													●					
 Smartphone and mobile reference														●	●			
 After sales and service																●	●	●



Daikin: The Premium Brand industry leader



Daikin Industries, Ltd. (DIL) is a global Fortune 1000 company which celebrated its 90th anniversary in May 2014. The company is recognized as the largest HVAC (Heating, Ventilating, Air Conditioning) manufacturer in the world. DIL is primarily engaged in developing indoor comfort products, 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.

Before purchasing an appliance in this document, read important information about its estimated annual energy consumption, yearly operating cost, or energy efficiency rating that is available from your retailer.

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 refrigerant 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.



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