





VRV T-SERIES
WATER-COOLED
SYSTEMS
CANADA 575V





# Why Consider a Daikin *VRV T-Series* Water-Cooled System?



### One Flexible Package

The Daikin VRV T-Series Water-Cooled is a flexible and modular energy saving alternative to traditional centralized equipment solutions such a Chilled Water System or Water Source Heat Pumps (WSHP).

The VRV T-Series Water-Cooled provides all of the attributes of an air-cooled VRV system such as low sound levels, advanced comfort control and zoning but with the added application flexibility for cold climates, buildings with an existing water loop infrastructure or geothermal applications.

The long piping capabilities, small refrigerant pipes, compact condensing unit size and ability to take advantage of building diversity and 2-stage heat recovery provide great flexibility in applying the solution to your building whether existing or new constructions. This aids in reducing the overall construction complexity compared to traditional water based systems and helps optimize the total cost of construction.

VRV is built upon 4 basic "Building Blocks" — Condensing Unit, Indoor Unit, Piping, and Controls — providing the attributes of a central chilled water system but with the simplicity of a split system.

This enhanced system offers energy-efficient and comfortable cooling and heating for many types of applications such as offices, hotels, high-rise buildings and large commercial applications.



## VRV T-Series Water-Cooled Main Features

- ›› 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 (3.8 meters) ceiling height thanks to the compact design
- \* Conditions/rules apply. Refer to Installation and Engineering Manual for further details.

- Engineered with heat rejection cancellation technology\* to minimize mechanical room conditioning requirements
- >> 2-9V variable water flow control logic\* as standard to increase waterside system operational efficiencies compared to previous models
- » Drop-down electrical box for easy service to key components
- >> Field selectable top or front refrigerant connections for flexible and easy installation



# What is Daikin VRV T-Series Water-Cooled?



#### Overview

The VRV T-Series Water-Cooled offers an energy saving alternative to traditional centralized equipment. The system design is based on a modular design concept. It is composed of unified condensing units that require simply connecting a 2-pipe refrigerant network for heat pump applications or a 3-pipe refrigerant network for heat recovery applications. The condensing units are conveniently compact, which not only enables transport by elevator possible, but also effectively simplifies installation in mechanical rooms. This also saves a great deal of time and labor labor when compared to traditional water based equipment.

VRV Water-Cooled systems are equivalent to 2-pipe or 4-pipe chilled water systems, but also offer a viable alternative to Water-Source Heat Pump solutions. Each connected Indoor Unit can provide heating and cooling independently to suit zone requirements making these systems suitable for both open plan, or cellular applications with different operation requirements.

### Geothermal Application

The VRV T-Series Water-Cooled system can connect to a geothermal water loop as standard, which makes it one of the most energy-efficient air-conditioning systems available in the market.

Underground temperatures remain relatively constant all year round. They are warmer than the air above it during the winter and cooler than the air above it during the summer.

VRV Water-Cooled systems are capable of utilizing this constant temperature by exchanging heat with the earth through a ground heat exchanger.

This helps reduce the load on the compressor and provides substantial energy savings over traditional cooling tower/boiler installations.

### Standard Operation (Cooling Tower/Dry Cooler, Boiler)



## Geothermal Application



# Why select a VRV T-Series Water-Cooled System?

- >> The efficiency and capacity of air-cooled systems reduce at extreme ambient conditions, causing systems to be oversized and increasing initial cost. Water-cooled VRV operation is not affected by outside air temperatures.
- >> Geothermal energy can be used to heat and cool your building, which can help you gain more LEED® points.
- >> Extreme piping lengths in applications such as high-rise buildings cause capacity reductions. Positioning Water-Cooled condensing units floor-by-floor reduces the capacity reduction and improves the system efficiency.
- >> Water-Cooled VRV systems typically require less base refrigerant charge than that of a similar air-cooled VRV system and thus can be used in applications with limited allowable refrigerant within the building.
- >> Condensing units can be linked to existing water piping and utilize the existing heat source to reduce initial costs.
- >> No external operation sound produced by condensing units to disturb your building neighbors since Water-Cooled VRV systems are installed indoors only.



# Features and Benefits



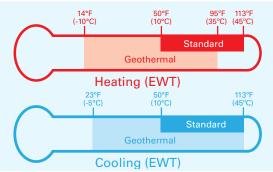
### Geothermal Operation and Advantages

VRVT-Series Water-Cooled can use lakes, rivers and ground loops to take advantage of the Earth as a natural heat sink or heat source, eliminating the need for equipment such as boilers, cooling towers, or dry coolers.



### Extended Water Temperature Operation Range

Condenser water inlet temperature can be as low as 23°F (-5°C) in cooling and 14°F (-10°C) in heating. Please note that glycol usage is required when entering condenser water temperature is below 50°F (10°C) Please refer to Engineering Manual for further details.



### Variable Water Flow Control

Condensing unit can control water control device such as an inverter pump or modulating valve via 2-9V signal based on capacity requirement. This increases waterside system operational efficiencies by reducing the water flow when possible.



### Indoor Installation Makes Unit Invisible From the Outside

Because the system is water-cooled, outside air temperature does not affect system capacity. Condensing units are installed inside the building, which enhances design flexibility and makes it easier to adapt to different buildings types.

- >>> Great solution for sound sensitive environments as there is no noise mitigation outside to disturb building neighbors
- >> Superior efficiency, even in the most extreme outside conditions, especially in geothermal operation



### Heat Rejection Cancellation Technology

Engineered with heat rejection cancellation technology to minimize heat addition to mechanical rooms\*

\* This function needs to be enabled through field settings.



# Features and Benefits (Cont.)

### VRT mode control selection to match user preferences

This chart reflects the operation trend of a VRV system when in normal operation and under VRT control. Actual energy savings through VRT vary based on the building location, load characteristics, occupancy and system usage conditions.

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

The refrigerant temperature

goes down fast to keep the

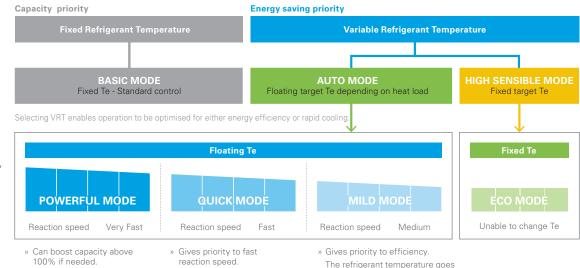
room setpoint stable

Indoor units

All indoor

units in heating mode

mainly heating, partly cooling



### 2-Stage Heat (Energy) Recovery

2-Stage Heat (Energy) Recovery is available between indoor units on the same *VRV* system and then across all the systems connected to a common water loop. This has a dramatic impact on power consumption and helps improve energy efficiency.

The refrigerant temperature

can go lower in cooling than

The refrigerant temperature goes down fast to keep the room setpoint stable.

» Gives priority to very fast reaction speed.

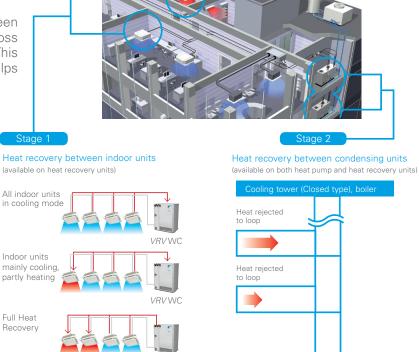
the set minimum.

# Stage 1: Heat recovery between indoor units in the same refrigerant circuit — available on heat recovery units.

Heat rejected from indoor units in cooling mode is transferred to units in areas requiring heating. This waste heat utilization leads to maximizing energy efficiency and reducing electricity costs.

# Stage 2: Heat recovery between condensing units via the water loop — available on both heat pump and heat recovery units.

Second stage heat recovery is achieved within the water loop between condensing units, reducing the use of cooling tower/boiler for more energy efficiency.



Heat absorbed

Heat absorbed

down gradually giving priority to

the efficiency of the system

instead of the reaction speed.

VRV WC

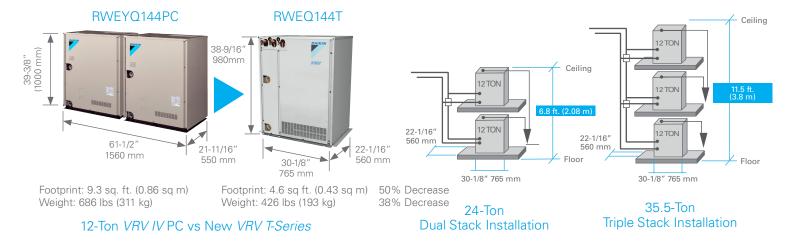


<sup>\*</sup> Above system configurations are for illustration purposes only.

# Features and Benefits (Cont.)

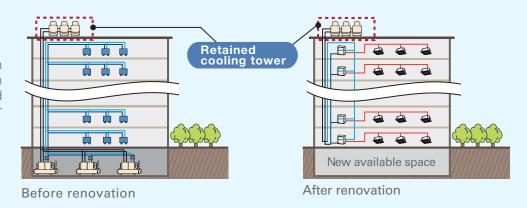
### Space Saving - Compact Design and Stacked Configurations

Compact casing (Height: 38-9/16" (980 mm) Width: 30-1/8" (765 mm) Depth: 22-1/16" (560 mm)) allows for stacking of the units to maximize space saving. Stacked systems can easily fit in mechanical rooms with under 7 ft. (2.14 m) (dual stack) or under 11.5 feet (3.8 meters) (triple stack) ceilings thanks to the reduced unit height.



# Ideal Retrofit to Existing Water-Cooled Systems

VRV T-Series Water-Cooled can utilize the existing systems such as cooling towers, dry coolers and boilers during renovation for further cost savings.



# Easy Installation and Servicing

Developed for easy installation and servicing: options to choose between top or front connection for refrigerant piping and drop-down switch box for easy access to components.



Drop-Down Electrical Box Ref



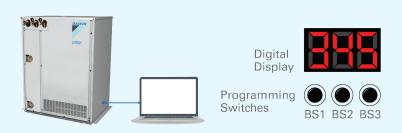
Top Side
Refrigerant Piping
Connection



Front Side Refrigerant Piping Connection

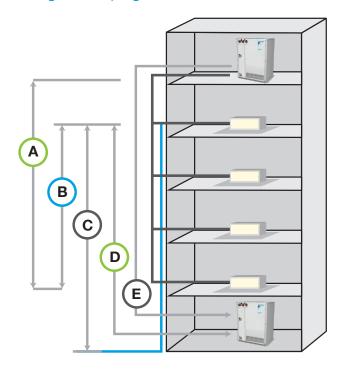
# Simplified Commissioning and Servicing

- >> New configurator software designed to simplify the commissioning and maintenance of the system.
- >> 3-digit 7-segment digital display on the unit for improved and faster configuration, commissioning, and troubleshooting compared to previous model.



# Specifications (Cont.)

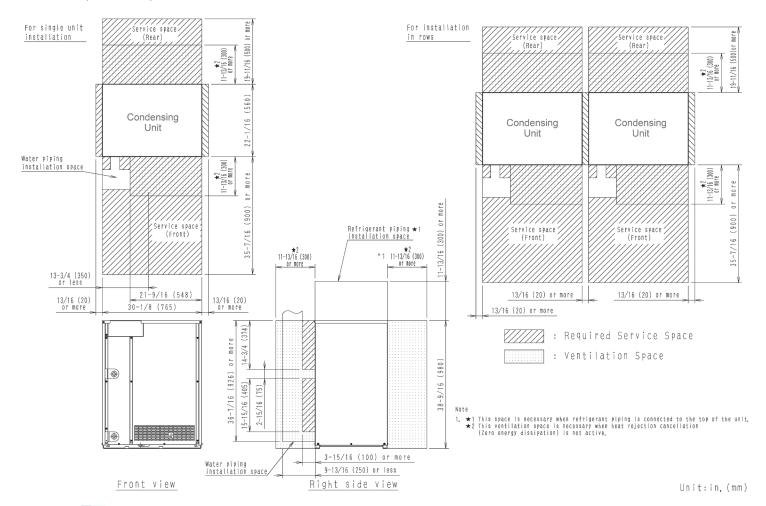
# Refrigerant Piping Limitations



Liqui	id Line Max	<i>VRVT-Series</i> Water-Cooled
A	Vertical Drop	164 ft. (50 m)
B	Between IDU	98 ft. (30 m)
<b>(C)</b>	Vertical Rise	130 ft. (40 m)
(D)	From 1st Joint	130 ft. (40 m) (295 ft. (90 m)*)
(E)	Linear Length	540 ft. (165 m) Actual 623 ft. (190 m) Equivalent
	Total one-way Piping Length	980 ft. (300 m)

<sup>\*</sup> Upsizing is required. Please refer to Installation Manual for further details.

## Service Space Requirements



# Specifications (Cont.)

VRV T-SERI	ES UNIFIED HEAT PUMP AND HEAT REC	OVERY!																
				Ton		) Ton		Ton		3 Ton		3 Ton		Ton		22 Ton		
	575V/3Ph/60Hz		RWEQ96TAYCU		RWEQ120TAYCU		RWEQ144TAYCU		RWEQ192TAYCU		RWEQ216TAYCU		RWEQ240TAYCU		RWEQ264TAYCU			
Model	Combination								2 x R	WEQ96T		EQ96T EQ120T	2 x RV	/EQ120T		/EQ120T /EQ144T		
	Rated Cooling Capacity 1	BTU/h	92	2,000	114,000		138,000		184,000		206,000		228,000		252,000			
Performance	Rated Heating Capacity <sup>2</sup>	BTU/h	10	3,000	12	9,000	154,000		20	206,000		2,000	258,000		284,000			
	Sound Pressure Level @ 3 ft.	dB(A)		54		55	6	0.5		57	Ę	7.5		58	RWE0 RW RW RW 125 28 11 HP 3/4 1-3/8 N/A 2x 2x 2	61.5		
Refrigerant	System Configuration: Heat Pump: HP, Heat Recovery: HR		HP	HR	HP	HR	HP	HR	HP	HR	HP	HR	HP	HR	HP	HR		
Piping	Liquid Pipe (Main Line)	in.	3/8	3/8	1/2	1/2	1/2	1/2	5/8	5/8	5/8	5/8	5/8	5/8	3/4	3/4		
i iping	Suction Gas Pipe (Main Line)	in.	7/8	3/4	1-1/8	3/4	1-1/8	7/8	1-1/8	1-1/8	1-1/8	1-1/8	1-3/8	1-1/8	1-3/8	1-1/8		
	Discharge Gas Pipe (Main Line)	in.	N/A	7/8	N/A	1-1/8	N/A	1-1/8	N/A	1-1/8	N/A	1-1/8	N/A	1-3/8	N/A	1-3/8		
Connection	Standard Connectable Indoor Unit Ratio <sup>3</sup>	%							50	- 150								
Ratio	Maximum Number of Indoor Units	Qty.		16		20		25		33		37		41	45			
	BPHE Inlet Pipe (Female Thread) 4	in.	1-1/4		1-1/4		1-1/4		2 x 1-1/4		2 x 1-1/4		2 x 1-1/4		2 x 1-1/4			
	BPHE Outlet Pipe (Female Thread) 4	in.	1-1/4 1-1/4			1-1/4		2 x 1-1/4		2 x 1-1/4		2 x 1-1/4		2 x 1-1/4				
	Drain Pipe	in.		3/8	3/8		3	3/8	2 x 3/8		2 x 3/8		2 )	(3/8	2 x 3/8			
Water Side	Maximum System Water Pressure (BPHE)	psi	464															
(Standard)	Standard Inlet Water Temperature Range Cooling	°F(°C)		50 - 113°F (10 - 45°C)														
	Standard Inlet Water Temperature Range Heating	°F(°C)		50 - 113°F (10 - 45°C )														
	Recommended Inlet Water Flow Rate per Module (minimum)	gpm I/min		15.9 - 39.6 (13.2) gpm 60 - 150 (50) I/min														
	Inlet Water Temperature Range Cooling 5	°F (°C)							23 - 113°	F (-5 - 45°C)								
Water Side	Inlet Water Temperature Range Heating 5	°F(°C)	14 - 95°F (-10 - 35°C)															
(Geothermal)	Water Flow Rate⁵	gpm I/min						21.2	? - 39.6 gpm	ı (80.3 - 150 l	/min)							
Unit	Weight (575V)	lbs (kg)	423	3 (192)	426	6 (193)	426	i (193)	2 x 423	3 (2 x 192)		3 + 426 2 + 193)	2 x 426	(2 x 193)	2 x 42	26 (2 x 193)		
	Dimensions (H x W x D)	in (mm)		38-9/16 x	30-1/8 x 2	2-1/16 (980 x	765 x 560)			3	8-9/16 x (30	D-1/8 x 2) x 22	2-1/16 (980	x 765 x 2 x 5	60)			
Electrical	Maximum Overcurrent Protection (MOP)	Α		15		20		25	15	+ 15	15	i + 20	20	+ 20	2	0 + 25		
(575V)	Minimum Circuit Amps (MCA)	А		13		16.3	1	9.9	13	3 + 13	13	+ 16.3	16.3	+ 16.3	16.	3 + 19.9		
Camanaaa	Compressor Type								Inv	Inverter								
Compressor	Compressor Capacity Control	%	15	- 100	12	- 100	11	- 100	8	- 100	7	- 100	6 -	100	6	6 - 100		

				Ton	26	Ton	28	Ton	30	Ton	32		34	Ton	35.	5 Ton	
	575V/3Ph/60Hz		RWEQ2	B8TAYCU	RWEQ3	12TAYCU	RWE033	86TAYCU	RWEQ30	SOTAYCU	RWE038	84TAYCU	RWEQ40	8TAYCU	RWEQ4	32TAYCU	
Model	Combination		2 x RW	EQ144T	2 x RW RWE	/EQ96T Q120T	RWE 2 x RW	EQ120T	3 x RW	EQ120T	2 x RW RWE		RWE 2 x RW	Q120T EQ144T	3 x RW	/EQ144T	
	Rated Cooling Capacity <sup>1</sup>	BTU/h	274,000		298,000		320,000		342,000		366,000		388,000		410,000		
Performance	Rated Heating Capacity <sup>2</sup>	BTU/h		308,000		334,000		360,000		386,000		,000	435,000		460,000		
	Sound Pressure Level @ 3 ft.	dB(A)	60	3.5	5	9	59	1.5	6	0	6	2	6	4	1	65	
Refrigerant	System Configuration: Heat Pump: HP, Heat Recovery: HR		HP	HR	HP	HR	HP	HR	HP	HR	HP	HR	HP	HR	HP	HR	
Piping	Liquid Pipe (Main Line)	in.	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
riping	Suction Gas Pipe (Main Line)	in.	1-3/8	1-1/8	1-3/8	1-1/8	1-3/8	1-1/8	1-5/8	1-3/8	1-5/8	1-3/8	1-5/8	1-3/8	1-5/8	1-3/8	
	Discharge Gas Pipe (Main Line)	in.	N/A	1-3/8	N/A	1-3/8	N/A	1-3/8	N/A	1-5/8	N/A	1-5/8	N/A	1-5/8	N/A	1-5/8	
Connection	Standard Connectable Indoor Unit Ratio <sup>3</sup>	%								150							
Ratio	Maximum Number of Indoor Units	Qty.	4	19	5	4	5	8	6	2	6	4	6	4		64	
	BPHE Inlet Pipe (Female Thread) 4	in.	2 x 1-1/4		3 x 1	1-1/4	3 x 1	-1/4	3 x 1	-1/4	3 x 1-1/4		3 x 1-1/4		3 x 1-1/4		
	BPHE Outlet Pipe (Female Thread) 4	in.	2 x 1-1/4		3 x 1-1/4		3 x 1	-1/4	3 x 1	-1/4	3 x 1	3 x 1-1/4		3 x 1-1/4		3 x 1-1/4	
	Drain Pipe in.		2 x	3/8	3 x 3/8		3 x 3/8			3 x 3/8		3/8	3 x	3/8	3 x 3/8		
Water Side	Maximum System Water Pressure (BPHE)	psi	464														
(Standard)	Standard Inlet Water Temperature Range Cooling	°F (°C)	50 - 113°F (10 - 45°C )														
	Standard Inlet Water Temperature Range Heating	°F (°C)		50 - 113°F (10 - 45°C)													
	Recommended Inlet Water Flow Rate per Module (minimum)	gpm I/min		15.9 - 39.6 (13.2) gpm 60 - 150 (50) I/min													
	Inlet Water Temperature Range Cooling <sup>5</sup>	°F (°C)							23 - 113°F	(-5 - 45°C)							
Water Side	Inlet Water Temperature Range Heating 5	°F (°C)							14 - 95°F (	-10 - 35°C)							
(Geothermal)	Water Flow Rate <sup>5</sup>	gpm I/min	21.2 - 39.6 gpm (80.3 - 150 l/min)														
	Weight (575V)	lbs (kg)	2 x 426	(2 x 193)	2 x 423 (2 x 192	3 + 426 2 + 193)	423 + 2 (192 + 2	2 x 426 2 x 193)	3 x 426	(3 x 193)	3 x 426	(3 x 193)	3 x 426	(3 x 193)	3 x 426	(3 x 193)	
Unit	Dimensions (H x W x D)	in (mm)	in (mm) 38-9/16 x (30-1/8 x 2 x 22-1/16 (980 x 765 x 2 x 560		1/16 38-9/16 x (30-1/8 x 3) x 22-1/16 (980 x 765 x 3 x 560)												
Electrical	Maximum Overcurrent Protection (MOP)	А	25	+ 25	15+1	5+20	15+2	0 + 20	20 + 2	0 + 20	20 + 2	0 + 25	20 + 2	5 + 25	25 + 2	25 + 25	
(575V)	Minimum Circuit Amps (MCA)	А	19.9	+ 19.9	13 + 13	3 + 16.3	13 + 16.	3 + 16.3	16.3 + 16	6.3 + 16.3	16.3 + 16	3.3 + 19.9	16.3 + 19	1.9 + 19.9	19.9 + 1	9.9 + 19.9	
Compressor	Compressor Type							Inverter									
Compressor	Compressor Capacity Control	%	5 -	100	5 -	100	4 -	100	4 -	100	4 -	100	4 - 100		4 -	4 - 100	

<sup>&</sup>lt;sup>1</sup> Indoor temp.: 80°FDB, 67°FWB/inlet water temp.: 85°F/ Equivalent piping length : 25 ft., level difference : 0 ft. <sup>2</sup> Indoor temp.: 70°FDB, 60°FWB/inlet water temp.: 70°F / Equivalent piping length: 25 ft., level difference : 0 ft. <sup>3</sup> Varies based on indoor and condensing unit model selected; refer to Engineering Manual for details.

# **VRV** Indoor Units

Designed for premium comfort and versatility, Daikin's wide selection of ducted and duct-free indoor units with a sleek and sophisticated design provides zoning flexibility and comfort control for almost any application.

								APACIT									
	INDOOR UNIT TYPE	MBH TONS	5.8 0.5	7.5 0.6	09 0.75	12 1	15 1.25	18 1.5	24	30 2.5	36 3	42 3.5	48	54 4.5	60 5	72 6	96 8
	FXMQ_PBVJU HSP DC Concealed Ducted Unit	TUNS	0.5	0.8 	0.75		1.25	1.5	2 	2.5		3.5	A WAR AND A SEA	4.5	5		٥
	FXSQ_TAVJU MSP Concealed Ducted Unit		€ OSA	▲ ¥d		<b>▲</b>	<b>▲</b>	<b>▲ ¥ 3 3 3 4 3 4 3 4 4</b>	A W	A Wall	▲ ¥d		<b>▲</b>	▲ ¥J			
DUCTED	FXDQ_MVJU LSP Slim Concealed Ducted Unit			₩ ₩ SSA		<b>▲ *** *** ***</b>		<b>À</b> ₩ S S S	<b>▲ *** *** *** *** ***</b>								
	FXTQ_TAVJU Multi-Position Air Handling Unit (Upflow, Downflow, Horizontal Left and Horizontal Right)					M SA		OSA	<b>▲</b>	DSA	DSA	Marie Control of the	Marie	A SSA	<b>▲</b>		
	FXMQ_MVJU HSP High Capacity Concealed Ducted Unit															M SA	OSA OSA
	FXNQ_MVJU9 Concealed Floor- Standing Unit			I SA		<b>▲</b>		OSA OSA	<b>▲</b>								
	FXFQ_TVJU  Round Flow Sensing Cassette, Ceiling Mounted  ROUND FLOW			***		A SA	A A SO	To Sa		Market State of the State of th	A Wall		Market State of the State of th				
	FXUQ_PVJU 4-Way Blow Ceiling-Suspended Cassette							***	***	***	***						
3.6.	FXZQ_TAVJU VISTA 2x2 Cassette for VRV		SA OSA	***  SA			A SA	₩ ₩ ₩									
DUCT-FREE	FXEQ_PVJU Ceiling-Mounted Cassette (Single Flow)			₩ ₩ ₩			¥J Name	¥å									
	FXHQ_MVJU Ceiling-Suspended Unit	THE PARTY OF THE P															
	FXAQ_PVJU Wall-Mounted Unit																
	FXLQ_MVJU9 Floor-Standing Unit			€ COSA	MINISA DI SA	SA OSA		OSA OSA	€ SA								







#### 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<sup>™</sup>/IP compatible Building Management System.

DZK Zoning Box for FXMQ\_PB and FXSQ indoor units



DZK Wired, Wireless, and Wireless Lite thermostat options



# 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		Conne	ctable
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	208-23	0/1/60
Airflow Rate	CFM	635 988 1236	300/300/170 470/470/390 600/600/500 1200/1200/930

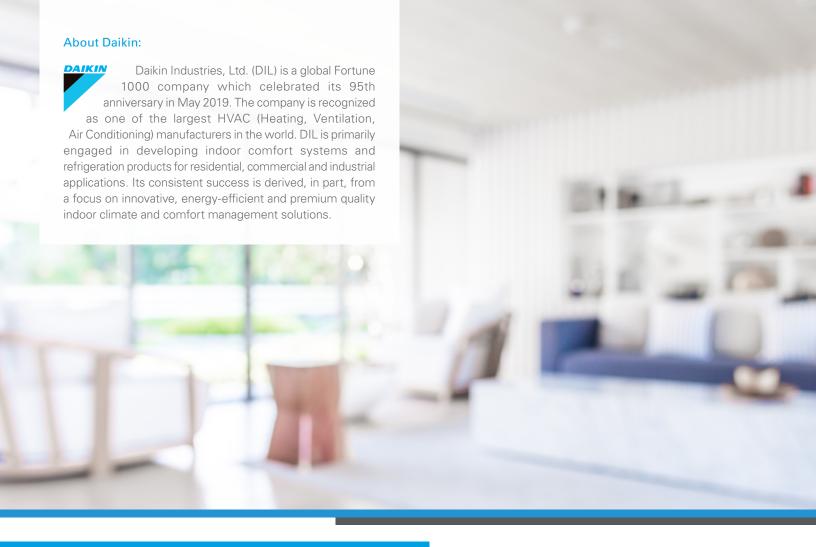
# VRV Controls

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 <i>VRV</i> CONTROLS											
	DKN Cloud	Navigation Remote Controller	Simplified Remote Controller	intelligent Touch Controller	intelligent Touch Manager	BACnet <sup>™</sup> Interface	LonWorks*	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 <i>VRV</i> integration with <i>BACnet</i> ™ based automation systems					•	•						
Daikin VRV integration with LonWorks° based automation systems							•					
Daikin VRV integration with Modbus® based automation systems								•				
Wi-Fi Option												

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

<sup>■</sup> Native application or feature for this device. ■ Dependent upon capabilities of the third party energy management system



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.



