

VRV T-Series
WATER-COOLED
SYSTEMS





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* in heating and 23°F* in cooling is possible
- Triple-stack capable to deliver up to 36 tons in just under 11 feet 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 eliminate 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



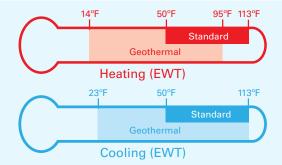
Geothermal Operation and Advantages

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 in cooling and 14°F in heating. Please note that glycol usage is required when entering condenser water temperature is below 50°F. 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.

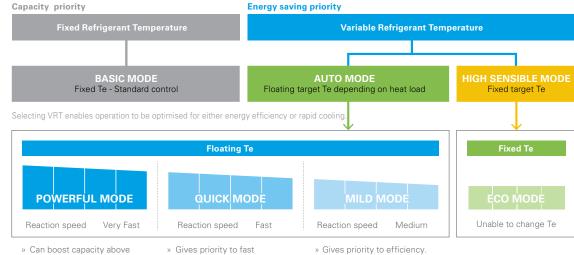


Features and Benefits (Cont.)

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.



100% if needed.

The refrigerant temperature can go lower in cooling than the set minimum.

» Gives priority to very fast reaction speed.

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

reaction speed.

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

The refrigerant temperature goes down gradually giving priority to the efficiency of the system instead of the reaction speed.

2-Stage Heat (Energy) Recovery

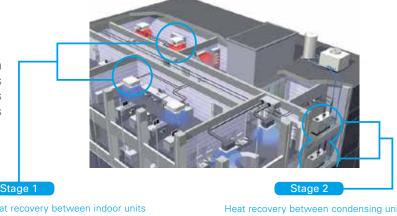
2-Stage Heat (Energy) Recovery is available between indoor units on the same VRV system and then across all the systems connected to a common water loop. This has a dramatic impact on power consumption and helps improve energy efficiency.

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.

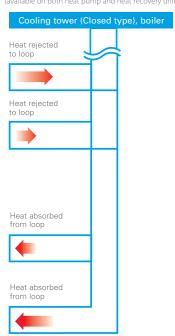


Heat recovery between indoor units (available on heat recovery units)

All indoor units in cooling mode VRV WC Indoor units mainly cooling partly heating VRV W/C Full Heat Recovery Indoor units mainly heating, partly cooling VRV WC All indoor units in heating

mode

Heat recovery between condensing units (available on both heat pump and heat recovery units)



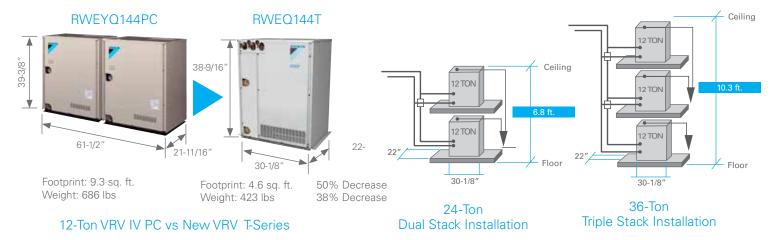


VRV WC

Features and Benefits (Cont.)

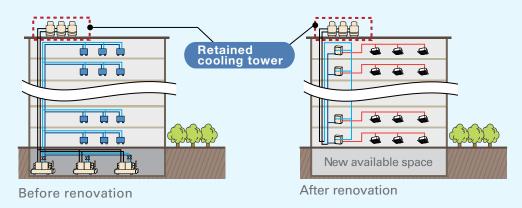
Space Saving - Compact Design & Stacked Configurations

Compact casing (Height: 38-9/16" Width: 30-1/8" Depth: 22-1/16") allows for stacking of the units to maximize space saving. Stacked systems can easily fit in mechanical rooms with under 7 ft. (dual stack) or under 11 ft. (triple stack) ceilings thanks to the reduced unit height.



Ideal Retrofit to Existing Water Cooled Systems

VRVT-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



Top Side Refrigerant Piping Connection



Front Side
Refrigerant Piping
Connection

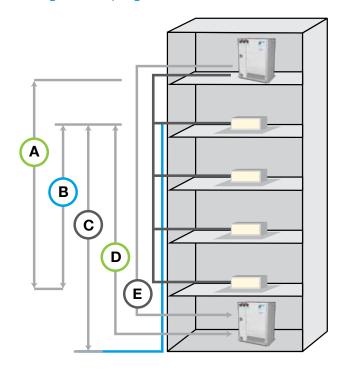
Simplified Commissioning and Servicing

- >> 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.)

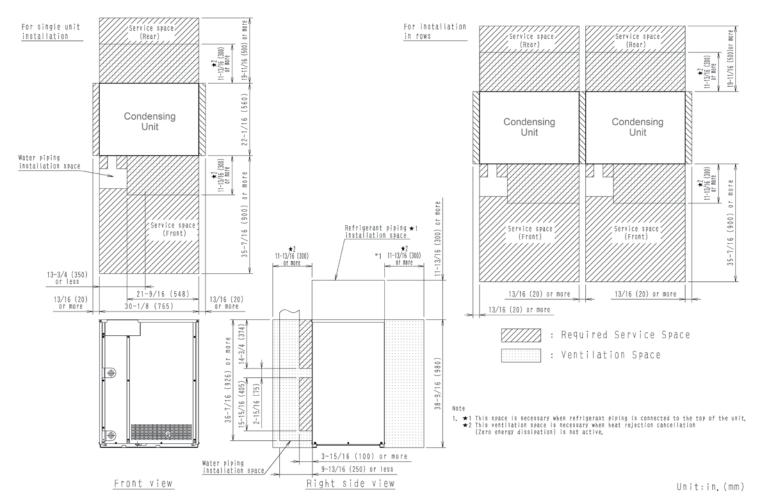
Refrigerant Piping Limitations



Liquid I	ine Max (feet)	VRVT-Series Water Cooled
A	Vertical Drop	164
B	Between IDU	98
©	Vertical Rise	130
(From 1st Joint	130 (295*)
(E)	Linear Length	540 Actual 623 Equivalent
	Total one-way Piping Length	980

^{*} Upsizing is required. Please refer to Installation Manual for further details.

Service Space Requirements



Specifications (Cont.)

VNV I-SENI	IES UNIFIED HEAT PUMP AND HEAT REC	UVEKY		Ton	Ω.	Ton	10	Ton	12	Ton	16	Ton	19	Ton	20	Ton	20	2 Ton
	208-230V/3Ph/60Hz			72PCTJ ⁶		6TATJU	RWEQ12			44TATJU		92TATJU	RWEQ216TATJU			40TATJU		264TATJ
Model	460V/3Ph/60Hz			72PCYD ⁶		6TAYDU	RWEQ12			44TAYDU		2TAYDU		16TAYDU		40TAYDU	_	264TAYD
Model	Combination										2 x RWEQ96T		RWEQ96T		2 x RWEQ120T			EQ120T
	Rated Cooling Capacity ¹	BTU/h	60	000	02	,000	114	nnn	120	3,000	10/	,000		Q120T	220	3.000	_	EQ144T 2,000
Performance	9 1 7	BTU/h		000		1,000	129			,000		,000,		,000	_	3,000		4,000
	Sound Pressure Level @ 3 ft.	dB(A)		50	Ę	54	5	5	60	0.5	5	7		7.5	5	58	6	31.5
	System Configuration: Heat Pump: HP, Heat Recovery: HR		HP	HR	HP	HR	HP	HR	HP	HR	HP	HR	HP	HR	HP	HR	HP	HR
Refrigerant Piping	Liquid Pipe (Main Line)	in.	3/8	3/8	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
riping	Suction Gas Pipe (Main Line)	in.	3/4	5/8	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	
C	Discharge Gas Pipe (Main Line) Standard Connectable Indoor Unit Ratio ³	in.	N/A	3/4	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 Ratio	Maximum Number of Indoor Units	% Oty.		130	1	16	2	n	2	50 - 150 25 33 37 41					1	45		
	BPHE Inlet Pipe (Female Thread)	in.		1/4		1/4	1-1			1/4		1-1/4		1-1/4		1-1/4	_	1-1/4
	BPHE Outlet Pipe (Female Thread)	in.		1/4		1/4	1-1			1/4	<u> </u>	-1/4		1-1/4	<u> </u>	1-1/4	-	1-1/4
	Drain Pipe (Female Thread)	in.		/2	3	/8	3,	/8	3	/8		3/8	2 x	3/8	2 x	3/8	2)	x 3/8
Water Side	Maximum System Water Pressure (BPHE) Standard Inlet Water	psi		85							536	ı.b						
(Standard)	Temperature Range Cooling	°F								50 - 113								
	Standard Inlet Water Temperature Range Heating	°F								50 - 113								
	Recommended Inlet Water Flow Rate per Module (minimum)	gpm							15	5.9 - 39.6 (1	13.2)							
Matar Cida	Inlet Water Temperature Range Cooling 4	°F	27 -	113							23 -	113						
Water Side (Geothermal)	Inlet Water Temperature Range Heating ⁴	°F								14 - 95								
	Water Flow Rate⁵	gpm								21.2 - 39.	6		410	122 /				
Unit	Weight (230V/460V)	lbs.		/ 343		/ 426	423 /			/ 430	2 x 419	/ 2 x 426	426	+ 423 / + 430		/ 2 x 430	2 x 423	3 / 2 x 43
	Dimensions (H x W x D)			1/4 x 21-11/16			·9/16 x 30-			-0	0.5	05		6 x (30-1/8			1 45	
Electrical (208-230V)	Maximum Overcurrent Protection (MOP) Minimum Circuit Amps (MCA)	V A		2.4		35 8.8	36			50 4.6		+ 35 + 28.8		+ 45 + 36.5		+ 45 + 36.5	45 + 50	
Electrical	Maximum Overcurrent Protection (MOP)	A		5		15	2			4.0 25		+ 20.0		+ 30.5		+ 30.5		
(460V)	Minimum Circuit Amps (MCA)	A		0.2		13	16			0.2		+ 13		16.5		+ 16.5	_	5 + 20.2
Compressor	Compressor Type										Inve							
Compressor	Compressor Capacity Control	%	23 -	100	16 -	100	14 -	100	11 -	100	8 -	100	8 -	100	7 -	100	6 -	- 100
			+	Ton		Ton		28 Ton		30 Ton		32 7			34 Ton		36 To	
	208-230V/3Ph/60Hz 460V/3Ph/60Hz		RWEQ288TATJU RWEQ288TAYDU		RWEQ312TATJU RWEQ312TAYDU		RWEQ336TATJU RWEQ336TAYDU										RWEQ432TATJU RWEQ432TAYDU	
Model			2 x RWE0144T		2 x RWEQ96T		RWEQ96T		3 x RWEQ1201		2 x R\M/F		VEQ120T RV		WEQ120T		3 x RWEQ144T	
	Combination					Q120T		RWEQ1207	Γ,			RWE			RWEQ144	Т		
Dorformanaa	Rated Cooling Capacity 1	BTU/h		,000		3,000		320,000		342,000		366,		_	388,000		410,000 460,000	
Performance	Rated Heating Capacity ² Sound Pressure Level @ 3 ft.	dB(A)		3.5	334,000 59		360,000 59.5		386,00				62		435,000 64		460,000	
	004114 1 1000410 20101 0 0 11.	45(71)		HR		HR				HP	HR	HP			<u> </u>			
	System Configuration: Heat Pump:													l iin	1.10		LID	HR
Refrinerant	HP, Heat Recovery: HR		HP		HP		HP	HF					HR	HP	HF		HP	
Refrigerant Piping	HP, Heat Recovery: HR Liquid Pipe (Main Line)	in.	3/4	3/4	3/4	3/4	3/4	3/4	1 3	3/4	3/4	3/4	3/4	3/4	3/-	4 :	3/4	3/4
	HP, Heat Recovery: HR Liquid Pipe (Main Line) Suction Gas Pipe (Main Line)	in.	3/4 1-3/8	3/4	3/4 1-3/8	3/4	3/4	3/4	1 3	3/4 -5/8	3/4	3/4 1-5/8	3/4 1-3/8	3/4 1-5/8	3/-	/8 1	3/4	1-3/8
	HP, Heat Recovery: HR Liquid Pipe (Main Line)		3/4	3/4	3/4	3/4	3/4	3/4	1 3	3/4 -5/8	3/4 1-3/8 1-5/8	3/4	3/4	3/4	3/-	/8 1	3/4	
Piping	HP, Heat Recovery: HR Liquid Pipe (Main Line) Suction Gas Pipe (Main Line) Discharge Gas Pipe (Main Line) Standard Connectable Indoor Unit Ratio 3 Maximum Number of Indoor Units	in. in. % Oty.	3/4 1-3/8 N/A	3/4 1-1/8 1-3/8	3/4 1-3/8 N/A	3/4 1-1/8 1-3/8	3/4 1-3/8 N/A	3/4 1-1, 1-3,	1 3	3/4 -5/8 V/A 50 - 15	3/4 1-3/8 1-5/8 0	3/4 1-5/8 N/A	3/4 1-3/8 1-5/8	3/4 1-5/8 N/A	3/4 1-3/ 1-5/	/8 1	3/4 -5/8 N/A	1-3/8 1-5/8
Piping Connection	HP, Heat Recovery: HR Liquid Pipe (Main Line) Suction Gas Pipe (Main Line) Discharge Gas Pipe (Main Line) Standard Connectable Indoor Unit Ratio ³ Maximum Number of Indoor Units BPHE Inlet Pipe (Female Thread)	in. in. % Oty. in.	3/4 1-3/8 N/A	3/4 1-1/8 1-3/8	3/4 1-3/8 N/A	3/4 1-1/8 1-3/8 54 1-1/4	3/4 1-3/8 N/A	3/4 1-1, 1-3, 58 8 x 1-1/4	1 3	3/4 -5/8 N/A 50 - 15 62 3 x 1-1/	3/4 1-3/8 1-5/8 0	3/4 1-5/8 N/A 6- 3 x 1	3/4 1-3/8 1-5/8 4 -1/4	3/4 1-5/8 N/A	3/4 3 1-3/ 1-5/ 64 3 x 1-1/4	/8 1	3/4 -5/8 N/A 64 3 x 1-	1-3/8 1-5/8
Piping Connection	HP, Heat Recovery: HR Liquid Pipe (Main Line) Suction Gas Pipe (Main Line) Discharge Gas Pipe (Main Line) Standard Connectable Indoor Unit Ratio ³ Maximum Number of Indoor Units BPHE Inlet Pipe (Female Thread) BPHE Outlet Pipe (Female Thread)	in. in. % Oty. in. in.	3/4 1-3/8 N/A 2 x 2	3/4 1-1/8 1-3/8 1-1/4 1-1/4	3/4 1-3/8 N/A	3/4 1-1/8 1-3/8 54 1-1/4 1-1/4	3/4 1-3/8 N/A	3/4 1-1, 1-3, 58 8 x 1-1/4 8 x 1-1/4	1 3	3/4 -5/8 N/A 50 - 15 62 3 x 1-1/ 3 x 1-1/	3/4 1-3/8 1-5/8 0 4	3/4 1-5/8 N/A 6- 3 x 1 3 x 1	3/4 1-3/8 1-5/8 4 -1/4 -1/4	3/4 1-5/8 N/A	3/4 3 1-3, 1-5, 64 3 x 1-1/4 3 x 1-1/4	/8 1	3/4 -5/8 N/A -5/8 N/A -64 3 x 1- 3 x 1-	1-3/8 1-5/8 1-1/4 1/4
Piping Connection	HP, Heat Recovery: HR Liquid Pipe (Main Line) Suction Gas Pipe (Main Line) Discharge Gas Pipe (Main Line) Standard Connectable Indoor Unit Ratio ³ Maximum Number of Indoor Units BPHE Inlet Pipe (Female Thread) BPHE Outlet Pipe (Female Thread) Drain Pipe (Female Thread)	in. in. % Oty. in. in. in.	3/4 1-3/8 N/A 2 x 2	3/4 1-1/8 1-3/8	3/4 1-3/8 N/A	3/4 1-1/8 1-3/8 54 1-1/4	3/4 1-3/8 N/A	3/4 1-1, 1-3, 58 8 x 1-1/4	1 3	3/4 -5/8 N/A 50 - 15 62 3 x 1-1/	3/4 1-3/8 1-5/8 0	3/4 1-5/8 N/A 6- 3 x 1	3/4 1-3/8 1-5/8 4 -1/4 -1/4	3/4 1-5/8 N/A	3/4 3 1-3/ 1-5/ 64 3 x 1-1/4	/8 1	3/4 -5/8 N/A 64 3 x 1-	1-3/8 1-5/8 1-1/4 1/4
Piping Connection Ratio Water Side	HP, Heat Recovery: HR Liquid Pipe (Main Line) Suction Gas Pipe (Main Line) Discharge Gas Pipe (Main Line) Standard Connectable Indoor Unit Ratio ³ Maximum Number of Indoor Units BPHE Inlet Pipe (Female Thread) BPHE Outlet Pipe (Female Thread) Drain Pipe (Female Thread) Maximum System Water Pressure (BPHE) Standard Inlet Water	in. in. % Oty. in. in. in.	3/4 1-3/8 N/A 2 x 2	3/4 1-1/8 1-3/8 1-1/4 1-1/4	3/4 1-3/8 N/A	3/4 1-1/8 1-3/8 54 1-1/4 1-1/4	3/4 1-3/8 N/A	3/4 1-1, 1-3, 58 8 x 1-1/4 8 x 1-1/4	1 3	3/4 -5/8 N/A 50 - 15 62 3 x 1-1/ 3 x 3/8	3/4 1-3/8 1-5/8 0	3/4 1-5/8 N/A 6- 3 x 1 3 x 1	3/4 1-3/8 1-5/8 4 -1/4 -1/4	3/4 1-5/8 N/A	3/4 3 1-3, 1-5, 64 3 x 1-1/4 3 x 1-1/4	/8 1	3/4 -5/8 N/A -5/8 N/A -64 3 x 1- 3 x 1-	1-3/8 1-5/8 1 1/4 1/4
Piping Connection Ratio	HP, Heat Recovery: HR Liquid Pipe (Main Line) Suction Gas Pipe (Main Line) Discharge Gas Pipe (Main Line) Standard Connectable Indoor Unit Ratio ³ Maximum Number of Indoor Units BPHE Inlet Pipe (Female Thread) BPHE Outlet Pipe (Female Thread) Drain Pipe (Female Thread) Maximum System Water Pressure (BPHE) Standard Inlet Water Temperature Range Cooling Standard Inlet Water	in. in. % Oty. in. in. in. psi	3/4 1-3/8 N/A 2 x 2	3/4 1-1/8 1-3/8 1-1/4 1-1/4	3/4 1-3/8 N/A	3/4 1-1/8 1-3/8 54 1-1/4 1-1/4	3/4 1-3/8 N/A	3/4 1-1, 1-3, 58 8 x 1-1/4 8 x 1-1/4	1 3	3/4 -5/8 N/A 50 - 15 62 3 x 1-1/3 x 3/8 536.6 50 - 11	3/4 1-3/8 1-5/8 0 4 4 3	3/4 1-5/8 N/A 6- 3 x 1 3 x 1	3/4 1-3/8 1-5/8 4 -1/4 -1/4	3/4 1-5/8 N/A	3/4 3 1-3, 1-5, 64 3 x 1-1/4 3 x 1-1/4	/8 1	3/4 -5/8 N/A -5/8 N/A -64 3 x 1- 3 x 1-	1-3/8 1-5/8 1-1/4 1/4
Piping Connection Ratio Water Side	HP, Heat Recovery: HR Liquid Pipe (Main Line) Suction Gas Pipe (Main Line) Discharge Gas Pipe (Main Line) Standard Connectable Indoor Unit Ratio ³ Maximum Number of Indoor Units BPHE Inlet Pipe (Female Thread) BPHE Outlet Pipe (Female Thread) Drain Pipe (Female Thread) Maximum System Water Pressure (BPHE) Standard Inlet Water Temperature Range Cooling Standard Inlet Water Temperature Range Heating	in. in. % Oty. in. in. psi	3/4 1-3/8 N/A 2 x 2	3/4 1-1/8 1-3/8 1-1/4 1-1/4	3/4 1-3/8 N/A	3/4 1-1/8 1-3/8 54 1-1/4 1-1/4	3/4 1-3/8 N/A	3/4 1-1, 1-3, 58 8 x 1-1/4 8 x 1-1/4	1 3	3/4 -5/8 N/A 50 - 15 62 3 x 1-1/ 3 x 3/8 536.6	3/4 1-3/8 1-5/8 0 4 4 3	3/4 1-5/8 N/A 6- 3 x 1 3 x 1	3/4 1-3/8 1-5/8 4 -1/4 -1/4	3/4 1-5/8 N/A	3/4 3 1-3, 1-5, 64 3 x 1-1/4 3 x 1-1/4	/8 1	3/4 -5/8 N/A -5/8 N/A -64 3 x 1- 3 x 1-	1-3/8 1-5/8 1-1/4 1/4
Piping Connection Ratio Water Side	HP, Heat Recovery: HR Liquid Pipe (Main Line) Suction Gas Pipe (Main Line) Discharge Gas Pipe (Main Line) Standard Connectable Indoor Unit Ratio ³ Maximum Number of Indoor Units BPHE Inlet Pipe (Female Thread) BPHE Outlet Pipe (Female Thread) Drain Pipe (Female Thread) Maximum System Water Pressure (BPHE) Standard Inlet Water Temperature Range Cooling Standard Inlet Water Temperature Range Heating Recommended Inlet Water Flow	in. in. % Oty. in. in. psi	3/4 1-3/8 N/A 2 x 2	3/4 1-1/8 1-3/8 1-1/4 1-1/4	3/4 1-3/8 N/A	3/4 1-1/8 1-3/8 54 1-1/4 1-1/4	3/4 1-3/8 N/A	3/4 1-1, 1-3, 58 8 x 1-1/4 8 x 1-1/4	4 (3 1·8 1·8 N	3/4 -5/8 N/A 50 - 15 62 3 x 1-1/3 x 3/8 536.6 50 - 11	3/4 1-3/8 1-5/8 0 4 4 4 3	3/4 1-5/8 N/A 6- 3 x 1 3 x 1	3/4 1-3/8 1-5/8 4 -1/4 -1/4	3/4 1-5/8 N/A	3/4 3 1-3, 1-5, 64 3 x 1-1/4 3 x 1-1/4	/8 1	3/4 -5/8 N/A -5/8 N/A -64 3 x 1- 3 x 1-	1-3/8 1-5/8 1-1/4 1/4
Piping Connection Ratio Water Side (Standard)	HP, Heat Recovery: HR Liquid Pipe (Main Line) Suction Gas Pipe (Main Line) Discharge Gas Pipe (Main Line) Standard Connectable Indoor Unit Ratio ³ Maximum Number of Indoor Units BPHE Inlet Pipe (Female Thread) BPHE Outlet Pipe (Female Thread) Drain Pipe (Female Thread) Maximum System Water Pressure (BPHE) Standard Inlet Water Temperature Range Cooling Standard Inlet Water Temperature Range Heating	in. in. % Oty. in. in. psi °F	3/4 1-3/8 N/A 2 x 2	3/4 1-1/8 1-3/8 1-1/4 1-1/4	3/4 1-3/8 N/A	3/4 1-1/8 1-3/8 54 1-1/4 1-1/4	3/4 1-3/8 N/A	3/4 1-1, 1-3, 58 8 x 1-1/4 8 x 1-1/4	4 (3 1·8 1·8 N	3/4 -5/8 V/A 50 - 15 62 3 x 1-1/ 3 x 3/8 536.6 50 - 11	3/4 1-3/8 1-5/8 0 4 4 4 4 3 3 3	3/4 1-5/8 N/A 6- 3 x 1 3 x 1	3/4 1-3/8 1-5/8 4 -1/4 -1/4	3/4 1-5/8 N/A	3/4 3 1-3, 1-5, 64 3 x 1-1/4 3 x 1-1/4	/8 1	3/4 -5/8 N/A -5/8 N/A -64 3 x 1- 3 x 1-	1-3/8 1-5/8 1-1/4 1/4
Connection Ratio Water Side (Standard) Water Side	HP, Heat Recovery: HR Liquid Pipe (Main Line) Suction Gas Pipe (Main Line) Discharge Gas Pipe (Main Line) Standard Connectable Indoor Unit Ratio ³ Maximum Number of Indoor Units BPHE Inlet Pipe (Female Thread) BPHE Outlet Pipe (Female Thread) Drain Pipe (Female Thread) Maximum System Water Pressure (BPHE) Standard Inlet Water Temperature Range Cooling Standard Inlet Water Temperature Range Heating Recommended Inlet Water Flow Rate per Module (minimum) Inlet Water Temperature Range Cooling ⁴ Inlet Water Temperature Range Cooling ⁴ Inlet Water Temperature Range Cooling ⁴ Inlet Water Temperature Range Heating ⁴ Inlet Water Temperature Range Heat	in. in. % Oty. in. in. psi °F gpm °F °F	3/4 1-3/8 N/A 2 x 2	3/4 1-1/8 1-3/8 1-1/4 1-1/4	3/4 1-3/8 N/A	3/4 1-1/8 1-3/8 54 1-1/4 1-1/4	3/4 1-3/8 N/A	3/4 1-1, 1-3, 58 8 x 1-1/4 8 x 1-1/4	4 (3 1·8 1·8 N	3/4 -5/8 N/A 50 - 15 62 3 x 1-1/ 3 x 3/8 536.6 50 - 11 50 - 11 15.9 - 39.6 23 - 11 14 - 95	3/4 1-3/8 1-5/8 0 4 4 4 4 3 3 3 (13.2)	3/4 1-5/8 N/A 6- 3 x 1 3 x 1	3/4 1-3/8 1-5/8 4 -1/4 -1/4	3/4 1-5/8 N/A	3/4 3 1-3, 1-5, 64 3 x 1-1/4 3 x 1-1/4	/8 1	3/4 -5/8 N/A -5/8 N/A -64 3 x 1- 3 x 1-	1-3/8 1-5/8 1 1/4 1/4
Piping Connection Ratio Water Side (Standard)	HP, Heat Recovery: HR Liquid Pipe (Main Line) Suction Gas Pipe (Main Line) Discharge Gas Pipe (Main Line) Standard Connectable Indoor Unit Ratio ³ Maximum Number of Indoor Units BPHE Inlet Pipe (Female Thread) BPHE Outlet Pipe (Female Thread) Drain Pipe (Female Thread) Maximum System Water Pressure (BPHE) Standard Inlet Water Temperature Range Cooling Standard Inlet Water Temperature Range Heating Recommended Inlet Water Flow Rate per Module (minimum) Inlet Water Temperature Range Cooling ⁴	in. in. % Otty. in. in. psi °F gpm °F	3/4 1-3/8 N/A 2 x 2	3/4 1-1/8 1-3/8 1-1/4 1-1/4	3/4 1-3/8 N/A 5 3 x 3 x 3 x	3/4 1-1/8 1-3/8 54 1-1/4 1-1/4 3/8	3/4 1-3/8 N/A	3/4 1-1, 1-3, 58 8 x 1-1/4 9 x 1-1/4 3 x 3/8	1 (3) (78 1) (78 N	3/4 -5/8 N/A 50 - 15 62 3 x 1-1/ 3 x 3/8 536.6 50 - 11 50 - 11 15.9 - 39.6	3/4 1-3/8 1-5/8 0 4 4 4 4 3 3 3 (13.2)	3/4 1-5/8 N/A 6- 3 x 1 3 x 1	3/4 1-3/8 1-5/8 4 -1/4 -1/4	3/4 1-5/8 N/A	3/4 3 1-3, 1-5, 64 3 x 1-1/4 3 x 1-1/4	/8 1	3/4 -5/8 N/A 64 3 x 1- 3 x 1-	1-3/8 1-5/8 1 1/4 1/4
Piping Connection Ratio Water Side (Standard) Water Side	HP, Heat Recovery: HR Liquid Pipe (Main Line) Suction Gas Pipe (Main Line) Discharge Gas Pipe (Main Line) Standard Connectable Indoor Unit Ratio ³ Maximum Number of Indoor Units BPHE Inlet Pipe (Female Thread) BPHE Outlet Pipe (Female Thread) Drain Pipe (Female Thread) Maximum System Water Pressure (BPHE) Standard Inlet Water Temperature Range Cooling Standard Inlet Water Temperature Range Heating Recommended Inlet Water Flow Rate per Module (minimum) Inlet Water Temperature Range Cooling ⁴ Inlet Water Temperature Range Cooling ⁴ Inlet Water Temperature Range Cooling ⁴ Inlet Water Temperature Range Heating ⁴ Inlet Water Temperature Range Heat	in. in. % Oty. in. in. psi °F gpm °F °F	3/4 1-3/8 N/A 2 x 2 x 2 x 2 x	3/4 1-1/8 1-3/8 1-1/4 1-1/4	3/4 1-3/8 N/A 5 3 x 3 x 3 x	3/4 1-1/8 1-3/8 54 1-1/4 1-1/4	3/4 1-3/8 N/A 3 3	3/4 1-1, 1-3, 58 8 x 1-1/4 8 x 1-1/4	1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3/4 -5/8 N/A 50 - 15 62 3 x 1-1/ 3 x 3/8 536.6 50 - 11 50 - 11 15.9 - 39.6 23 - 11 14 - 95	3/4 1-3/8 1-5/8 0 4 4 4 4 3 3 3 (13.2) 3 5 0.6	3/4 1-5/8 N/A 6- 3 x 1 3 x 1	3/4 1-3/8 1-5/8 4 -1/4 -1/4 3/8	3/4 1-5/8 N/A	3/4 3 1-3, 1-5, 64 3 x 1-1/4 3 x 1-1/4	4 3 //8 1 1 N	3/4 -5/8 N/A 64 3 x 1- 3 x 1-	1-3/8 1-5/8 4 1-1/4 1-1/4 8/8
Piping Connection Ratio Water Side (Standard) Water Side (Geothermal)	HP, Heat Recovery: HR Liquid Pipe (Main Line) Suction Gas Pipe (Main Line) Discharge Gas Pipe (Main Line) Standard Connectable Indoor Unit Ratio ³ Maximum Number of Indoor Units BPHE Inlet Pipe (Female Thread) BPHE Outlet Pipe (Female Thread) Maximum System Water Pressure (BPHE) Standard Inlet Water Temperature Range Cooling Standard Inlet Water Temperature Range Heating Recommended Inlet Water Flow Rate per Module (minimum) Inlet Water Temperature Range Cooling ⁴ United Water Temperature Range Heating ⁴ Water Flow Rate ⁵	in. in. % Oty. in. in. psi °F gpm °F gpm	3/4 1-3/8 N/A 2 x 2 x 2 x 2 x	3/4 1-1/8 1-3/8 19 1-1/4 1-1/4 3/8	3/4 1-3/8 N/A 5 3 x 3 x 3 x	3/4 1-1/8 1-3/8 54 1-1/4 1-1/4 3/8	3/4 1-3/8 N/A 3 3	3/4 1-1, 1-3, 58 8 x 1-1/4 9 x 1-1/4 3 x 3/8	1 3 3 3	3/4 -5/8 N/A 50 - 15 62 3 x 1-1/3 x 3/8 536.6 50 - 11 50 - 11 14 - 98 21.2 - 38	3/4 1-3/8 1-5/8 0 0 4 4 4 4 3 3 3 (13.2) 3 5 0.6 0 0 0	3/4 1-5/8 N/A 6 3 x 1 3 x 1 3 x .	3/4 1-3/8 1-5/8 4 -1/4 -1/4 3/8	3/4 1-5/8 N/A	3// 1-3, 1-5, 64 8 x 1-1/4 8 x 1-1/4 3 x 3/8	4 3 /8 1 /8 1 8 1 8 1	3/4 -5/8 N/A 64 3 x 1- 3 x 1- 3 x 3	1-3/8 1-5/8 4 1/4 1/4 1/4 8/8
Piping Connection Ratio Water Side (Standard) Water Side (Geothermal) Unit Electrical	HP, Heat Recovery: HR Liquid Pipe (Main Line) Suction Gas Pipe (Main Line) Discharge Gas Pipe (Main Line) Standard Connectable Indoor Unit Ratio ³ Maximum Number of Indoor Units BPHE Inlet Pipe (Female Thread) BPHE Outlet Pipe (Female Thread) Drain Pipe (Female Thread) Maximum System Water Pressure (BPHE) Standard Inlet Water Temperature Range Cooling Standard Inlet Water Temperature Range Heating Recommended Inlet Water Flow Rate per Module (minimum) Inlet Water Temperature Range Cooling ⁴ Inlet Water Temperature Range Heating ⁴ Water Flow Rate ⁵ Weight (230V/460V) Dimensions (H x W x D) Maximum Overcurrent Protection (MOP)	in. in. % Oty. in. in. psi % % gpm lbs. in. V	3/4 1-3/8 N/A 2 x 2 x 2 x 2 x 2 x 2 x 5 2 x 5 2 x 6 2	3/4 1-1/8 1-3/8 19 1-1/4 1-1/4 3/8 / 2 x 430 + 50	3/4 1-3/8 N/A \$ 3 x 3 x 3 x 2 x 41 2 x 42	3/4 1-1/8 1-3/8 54 1-1/4 1-1/4 3/8 9 + 423 6 + 430	3/4 1-3/8 N/A 3 3 3 411 428	3/4 1-1, 1-3, 58 1x 1-1/4 1x 1-1/4 3 x 3/8 9 + 2 x 423 6 + 2 x 430 + 45 + 45	1 3 3 38-9/	3/4 -5/8 N/A 50 - 15 62 3 x 1-1/ 3 x 3/8 536.6 50 - 11 50 - 11 15.9 - 39.6 21.2 - 38 x 423 / 3 16 x 30-1/8 45 + 45 +	3/4 1-3/8 1-5/8 0 0 4 4 4 4 3 3 3 3 3 5 9.6 8 x 430 8 x 22-1/16 45	3/4 1-5/8 N/A 6 3 x 1 3 x 1 3 x 2 3 x 423 /	3/4 1-3/8 1-5/8 4 -1/4 -1/4 3/8 / 3 x 430	3/4 1-5/8 N/A 3 3 3 45	3/3 1-3 1-5 64 8 x 1-1/4 3 x 3/8 23 / 3 x 43 +50+50	4 3 /8 1 /8 1 80 3	3/4 -5/8 N/A 64 3 x 1- 3 x 3- 3 x 3- 3 x 3- 50 + 50	1-3/8 1-5/8 1-5/8 1-1/4 1-1/4 1-1/4 3/8
Piping Connection Ratio Water Side (Standard) Water Side (Geothermal) Unit Electrical (208-230V)	HP, Heat Recovery: HR Liquid Pipe (Main Line) Suction Gas Pipe (Main Line) Discharge Gas Pipe (Main Line) Standard Connectable Indoor Unit Ratio ³ Maximum Number of Indoor Units BPHE Inlet Pipe (Female Thread) BPHE Outlet Pipe (Female Thread) Drain Pipe (Female Thread) Maximum System Water Pressure (BPHE) Standard Inlet Water Temperature Range Cooling Standard Inlet Water Temperature Range Heating Recommended Inlet Water Flow Rate per Module (minimum) Inlet Water Temperature Range Cooling Water Flow Rate ⁵ Weight (230V/460V) Dimensions (H x W x D) Maximum Overcurrent Protection (MOP) Minimum Circuit Amps (MCA)	in. in. % Oty. in. in. psi % F gpm lbs. in. V A	3/4 1-3/8 N/A 2 x 2 x 2 x 2 x 2 x 2 x 2 x 423	3/4 1-1/8 1-3/8 19 1-1/4 1-1/4 3/8 / 2 x 430 + 50 + 44.6	3/4 1-3/8 N/A \$3 x 3 x 3 x 3 x 2 x 41 2 x 42 35+3 28.8+20	3/4 1-1/8 1-3/8 54 1-1/4 1-1/4 3/8 9 + 423 6 + 430 35 + 45 3.8 + 36.5	3/4 1-3/8 N/A 33 33 35 28.8 +	3/4 1-1, 1-3, 58 8 x 1-1/4 1 x 1-1/4 3 x 3/8 9 + 2 x 423 6 + 2 x 430 + 45 + 45 + 36.5 + 36	1 3 3 38-9/	3/4 -5/8 N/A 50 - 15 62 3 x 1-1/ 3 x 3/8 536.6 50 - 11 50 - 11 14 - 98 21.2 - 38 x 423 / 3 16 x 30-1/8 45 + 45 + 6.5 + 36.5	3/4 1-3/8 1-5/8 0 0 4 4 4 4 3 3 3 3 3 (13.2) 3 5 6 9.6 8 x 22-1/16 45 + 36.5	3/4 1-5/8 N/A 6 3 x 1 3 x 1 3 x 2 3 x 423 / 45 + 44 36.5 + 36	3/4 1-3/8 1-5/8 4 -1/4 -1/4 3/8 / 3 x 430 5+50 .5+44.6	3/4 1-5/8 N/A 3 3 3 3 45 36.5	3/3 1-3, 1-5, 64 8 x 1-1/4 3 x 3/8 23 / 3 x 43 +50 + 50 + 44.6 + 44	4 3 /8 1 /8 1 80 3	3/4 -5/8 N/A 64 3 x 1- 3 x 3- 3 x 3/ 3 x 423 / 50 + 50 14.6 + 44.6	1-3/8 1-5/8 1-5/8 1-1/4 1-1/4 1-1/4 3/8 3 x 430 0+50 6+44.6
Piping Connection Ratio Water Side (Standard) Water Side (Geothermal) Unit Electrical (208-230V) Electrical	HP, Heat Recovery: HR Liquid Pipe (Main Line) Suction Gas Pipe (Main Line) Discharge Gas Pipe (Main Line) Standard Connectable Indoor Unit Ratio ³ Maximum Number of Indoor Units BPHE Inlet Pipe (Female Thread) BPHE Outlet Pipe (Female Thread) Drain Pipe (Female Thread) Maximum System Water Pressure (BPHE) Standard Inlet Water Temperature Range Cooling Standard Inlet Water Temperature Range Heating Recommended Inlet Water Flow Rate per Module (minimum) Inlet Water Temperature Range Cooling Water Flow Rate ⁵ Weight (230V/460V) Dimensions (H x W x D) Maximum Overcurrent Protection (MOP) Minimum Circuit Amps (MCA) Maximum Overcurrent Protection (MOP)	in. in. % Oty. in. in. psi % F gpm lbs. in. V A	3/4 1-3/8 N/A 2 x 2 x 2 x 2 x 2 x 2 x 2 x 423 50 44.6 25	3/4 1-1/8 1-3/8 19 1-1/4 1-1/4 3/8 / 2 x 430 + 50 + 44.6 + 25	3/4 1-3/8 N/A \$3 x 3 x 3 x 3 x 2 x 41 2 x 42 35 + 3 28.8 + 21 15 + 1	3/4 1-1/8 1-3/8 64 1-1/4 1-1/4 3/8 9 + 423 6 + 430 85 + 45 3.8 + 36.5 15 + 20	3/4 1-3/8 N/A 33 33 35 28.8 +	3/4 1-1, 1-3, 58 8 x 1-1/4 6 x 1-1/4 3 x 3/8 9 + 2 x 423 6 + 2 x 430 + 45 + 45 + 36.5 + 36 + 20 + 20	1 3 3 38-9/:	3/4 -5/8 N/A 50 - 15 62 3 x 1-1/ 3 x 3/8 536.6 50 - 11 50 - 11 14 - 99 21.2 - 38 x 423 / 3 16 x 30-1/8 45 + 45 + 45 + 6.5 + 36.5 - 20 + 20 +	3/4 1-3/8 1-5/8 0 0 4 4 4 4 4 3 3 3 3 6 6 6 9.6 8 x 22-1/16 45 + 36.5 20	3/4 1-5/8 N/A 6 3 x 1 3 x 1 3 x 1 3 x 2 45 + 44 36.5 + 36 20 + 24	3/4 1-3/8 1-5/8 4 -1/4 -1/4 3/8 / 3 x 430 / 5 + 50 .5 + 44.6 0 + 25	3/4 1-5/8 N/A 3 3 3 3 3 45 36.5 - 20	3/3 1-3, 1-5, 64 8 x 1-1/4 8 x 1-1/4 3 x 3/8 23 / 3 x 43 +50 +50 +44.6 +44 +25 +25	4 3 /8 1 /8 N	3/4 -5/8 N/A 64 3 x 1- 3 x 3, 3 x 423 / 50 + 50 14.6 + 44.6 25 + 25	1-3/8 1-5/8 1-5/8 1-1/4 1-1/4 3/8 3 x 430 0+50 6+44.6 6+25
Piping Connection Ratio Water Side (Standard) Water Side (Geothermal) Unit Electrical (208-230V)	HP, Heat Recovery: HR Liquid Pipe (Main Line) Suction Gas Pipe (Main Line) Discharge Gas Pipe (Main Line) Standard Connectable Indoor Unit Ratio ³ Maximum Number of Indoor Units BPHE Inlet Pipe (Female Thread) BPHE Outlet Pipe (Female Thread) Drain Pipe (Female Thread) Maximum System Water Pressure (BPHE) Standard Inlet Water Temperature Range Cooling Standard Inlet Water Temperature Range Heating Recommended Inlet Water Flow Rate per Module (minimum) Inlet Water Temperature Range Cooling Water Flow Rate ⁵ Weight (230V/460V) Dimensions (H x W x D) Maximum Overcurrent Protection (MOP) Minimum Circuit Amps (MCA)	in. in. % Oty. in. in. psi % F gpm lbs. in. V A	3/4 1-3/8 N/A 2 x 2 x 2 x 2 x 2 x 2 x 2 x 423 50 44.6 25	3/4 1-1/8 1-3/8 19 1-1/4 1-1/4 3/8 / 2 x 430 + 50 + 44.6	3/4 1-3/8 N/A \$3 x 3 x 3 x 3 x 2 x 41 2 x 42 35 + 3 28.8 + 21 15 + 1	3/4 1-1/8 1-3/8 54 1-1/4 1-1/4 3/8 9 + 423 6 + 430 35 + 45 3.8 + 36.5	3/4 1-3/8 N/A 33 33 35 28.8 +	3/4 1-1, 1-3, 58 8 x 1-1/4 1 x 1-1/4 3 x 3/8 9 + 2 x 423 6 + 2 x 430 + 45 + 45 + 36.5 + 36	1 3 3 38-9/:	3/4 -5/8 N/A 50 - 15 62 3 x 1-1/ 3 x 3/8 536.6 50 - 11 50 - 11 14 - 98 21.2 - 38 x 423 / 3 16 x 30-1/8 45 + 45 + 6.5 + 36.5	3/4 1-3/8 1-1-5/8 0 4 4 4 4 3 3 3 3 (13.2) 3 5 6 9.6 8 x 22-1/16 45 + 36.5 20 + 16.5	3/4 1-5/8 N/A 6 3 x 1 3 x 1 3 x 2 3 x 423 / 45 + 44 36.5 + 36	3/4 1-3/8 1-5/8 4 -1/4 -1/4 3/8 / 3 x 430 / 5 + 50 .5 + 44.6 0 + 25	3/4 1-5/8 N/A 3 3 3 3 3 45 36.5 - 20	3/3 1-3, 1-5, 64 8 x 1-1/4 3 x 3/8 23 / 3 x 43 +50 + 50 + 44.6 + 44	4 3 /8 1 /8 N	3/4 -5/8 N/A 64 3 x 1- 3 x 3- 3 x 3/ 3 x 423 / 50 + 50 14.6 + 44.6	1-3/8 1-5/8 1-5/8 1-1/4 1-1/4 3/8 3 x 430 0+50 6+44.6 6+25

Indoor temp.: 80°FDB, 67°FWB/inlet water temp.: 85°F/ Equivalent piping length: 25 ft., level difference: 0 ft.
 Indoor temp.: 70°FDB, 60°FWB/inlet water temp.: 70°F / Equivalent piping length: 25 ft., level difference: 0 ft.
 Varies based on indoor and condensing unit model selected; refer to Engineering Manual for details.
 Application rules apply below 50°F. Please contact your local Daikin office for design assistance and approval.

⁵Please note that a water strainer (standard accessory for the T-Series, field supplied for the PC-series) is required for each condensing unit.

 $^{^{\}rm 6}{\rm PC}$ series model. Some features and benefits may not be available for this model.

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.

									CAPA	CITY						
	INDOOR UNIT TYPE	MBH TONS	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 4	54 4.5	60 5	72 6	96 8
	FXMQ-PBVJU DC-Ducted Concealed Ceiling (Medium Static)	TONS	O.O	0.73		1.23	1.3				3.3	▲		3	U	
	FXDQ-MVJU Slim Duct Built-In Concealed Ceiling Unit		No.	¥J SA	A SA		▲ ¥ø	A SA								
DUCTED	FXTQ_TAVJU Multi-Position Air Handling Unit (Upflow, Downflow, Horizontal Left and Horizontal Right)			OSA	OSA		OSA	OSA	OSA	OSA	OSA .	OSA	OSA .	OSA OSA		
	FXMQ-MVJU Concealed Ceiling Unit (Medium Static)															Marie Control of the
	FXNQ-MVJU9 Concealed Floor- Standing Unit		OSA OSA	OSA OSA	Mosa Market			OSA OSA								
	FXFQ-TVJU Round Flow Sensing Cassette, Ceiling Mounted		Market State of the State of th	¥J SA	To SA	₩ SA	★	TO SA	₩ W	To SA		To Sa				
	FXUQ-PVJU 4-Way Blow Ceiling-Suspended Cassette							**************************************		**************************************						
	FXZQ-MVJU9 2' X 2' 4-Way Ceiling-Mounted Cassette		SA OSA	¥J SA	₩ ₩ ₩	TO SA	₩ WSA									
DUCT-FREE	FXEQ-PVJU Ceiling-Mounted Cassette (Single Flow)		SA DSA	₩ ₩ ₩	To Sa	To Sa	A WASA	TI SEA								
	FXHQ-MVJU Ceiling-Suspended Unit															
	FXAQ-PVJU Wall-Mounted Unit			A	A			A								
	FXLQ-MVJU9 Floor-Standing Unit		I SA	DSA OSA	I SA		M SA	SA OSA								







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.

DAIKIN ZONING KIT (DZK) – KIT STRUCTURE AND GENERAL TECHNICAL DATA												
		Zoning Box wit	h Control Box		Wired Thermostat	Wireless Thermostat	Wireless Lite Thermostat	BACnet® Interface				
DZK Product Number	DZK030E4-3	DZK030E5-3	DZK048E4-3	DZK048E6-3	DZK-MTS-3-W	DZK-ZTS-3-W	DZK-LTS-3-W	DZK-BACNET-3				
	W.	SALO T	MARIE	Come	74	74	p. O					

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
			00
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 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



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.





The "Daikin" and "VRV" trademarks are owned by Daikin Industries, Ltd. and Registered in the U.S. Patent and Trademark Office.

