



VRV-IV 575 Volt

Applications

- 575V power supply input for the Canadian market
- Multi-family
- Office
- Retail



575V VRV-IV Heat Recovery

Air-Cooled Heat Recovery

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

Features

- Engineered with 575V inverter board and compressor to eliminate need for additional transformer
- Designed with Daikin K-type compressor to deliver heating down to -13°F (-25°C) as standard
- Year round comfort and efficiencies with automatic and customizable Variable Refrigerant Temperature technology
- Optimized part load efficiencies delivered by dedicated all-inverter 575V compressors and inverter fan motors
- Designed and optimized for Total Cost of Construction (TCC) and Life Cycle Cost (LCC)
- Features corrosion resistant Daikin PE blue fin heat exchanger coating, tested for 1,000 hour salt spray
- Refrigerant cooled inverter technology allows installation without drain pan heaters at extreme low ambient conditions
- Designed to provide continuous heating during defrost**
- Auto changeover to back up auxiliary heat as standard
- Design flexibility with long piping lengths up to 3,280 ft (1,000 m) total and up to 100 ft (30 m) vertical separation between indoor units
- Compatible with full suite of T-series Branch Selector boxes, M, P, & T-series VRV indoor units



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

** Dependent on outdoor unit model

Additional information

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



575V VRV-IV Heat Recovery

VRV IV Operation

Lower capacity is required to cool and heat a building during mid season
Adapting to required heat load by variable refrigerant volume

A VRV system adapts to the required changes in capacity by varying the refrigerant volume. This results in an increase in efficiency at part load operation

The efficiency of VRV IV is further increased by adjusting the refrigerant temperature dependant on the space load and weather conditions

Up to +28% Seasonal Cooling Efficiency vs. VRV III



Technical Data for 575V VRV IV Heat Recovery Outdoor Units

Model		REYQ72TAYCU	REYQ96TAYCU	REYQ120TAYCU	REYQ144TAYCU	REYQ168TAYCU	
Performance	Nominal Cooling Capacity	BTU/h	72,000	96,000	120,000	144,000	168,000
	Nominal Heating Capacity	BTU/h	81,000	108,000	135,000	162,000	188,000
	Operation Range - Cooling	°F DB (°CDB)	23-122 (-5-50)	23-122 (-5-50)	23-122 (-5-50)	23-122 (-5-50)	23-122 (-5-50)
	Operation Range - Heating	°F WB (°CWB)	-13 - 60 (-25-16)	-13 - 60 (-25-16)	-13 - 60 (-25-16)	-13 - 60 (-25-16)	-13 - 60 (-25-16)
	Sound Pressure	dB(A)	65				66
	Airflow	CFM	5,544	7,989	8,806	9,480	9,480
Refrigerant Piping	Vertical Pipe Length Above	ft.	164 (295 w/outdoor setting)	164 (295 w/outdoor setting)	164 (295 w/outdoor setting)	164 (295 w/outdoor setting)	164 (295 w/outdoor setting)
	Vertical Pipe Length Below	ft.	130 (195 w/outdoor setting)	130 (195 w/outdoor setting)	130 (195 w/outdoor setting)	130 (195 w/outdoor setting)	130 (195 w/outdoor setting)
	Vertical Pipe Length Between IDU	ft.	100	100	100	100	100
	Actual Pipe Length	ft.	540	540	540	540	540
	Equivalent Pipe Length	ft.	620	620	620	620	620
	Total Pipe Length	ft.	3,280	3,280	3,280	3,280	3,280
Unit	Weight	lbs. (kg)	727 (330)			793 (360)	
	Dimensions (H x W x D)	in (mm)	66-11/16 x 48-7/8 x 30-3/16 (1694 x 1242 x 767)				
	Refrigerant	Type	R410A				
Model		REYQ192TAYCU	REYQ216TAYCU	REYQ240TAYCU	REYQ264TAYCU	REYQ288TAYCU	
Combination		2 x REYQ96T	REYQ120T1 + REYQ96T	2 x REYQ120T	REYQ144T 1 + REYQ120T	2 x REYQ144T	
Performance	Nominal Cooling Capacity	BTU/h	192,000	216,000	240,000	264,000	288,000
	Nominal Heating Capacity	BTU/h	216,000	243,000	270,000	297,000	324,000
	Operation Range - Cooling	°F DB (°CDB)	23-122 (-5-50)	23-122 (-5-50)	23-122 (-5-50)	23-122 (-5-50)	23-122 (-5-50)
	Operation Range - Heating	°F WB (°CWB)	-13 - 60 (-25-16)	-13 - 60 (-25-16)	-13 - 60 (-25-16)	-13 - 60 (-25-16)	-13 - 60 (-25-16)
	Sound Pressure	dB(A)	68				69
	Airflow	CFM	7,989 + 7,989	8,806 + 7,989	8,806 + 8,806	9,480 + 8,806	9,480 + 9,480
Refrigerant Piping	Vertical Pipe Length Above	ft.	164 (295 w/outdoor setting)	164 (295 w/outdoor setting)	164 (295 w/outdoor setting)	164 (295 w/outdoor setting)	164 (295 w/outdoor setting)
	Vertical Pipe Length Below	ft.	130 (195 w/outdoor setting)	130 (195 w/outdoor setting)	130 (195 w/outdoor setting)	130 (195 w/outdoor setting)	130 (195 w/outdoor setting)
	Vertical Pipe Length Between IDU	ft.	100	100	100	100	100
	Actual Pipe Length	ft.	540	540	540	540	540
	Equivalent Pipe Length	ft.	620	620	620	620	620
	Total Pipe Length	ft.	3,280	3,280	3,280	3,280	3,280
Unit	Weight	kg	727 + 727 (330 + 330)		793 + 727 (330 + 360)		793 + 793 (360 + 360)
	Dimensions (H x W x D)	in (mm)	66-11/16 x 48-7/8 x 30-3/16 + 66-11/16 x 48-7/8 x 30-3/16 (1694 x 1242 x 767) + (1694 x 1242 x 767)				
	Refrigerant	Type	R410A				
Model		REYQ312TAYCU	REYQ336TAYCU	REYQ360TAYCU	REYQ384TAYCU		
Combination		REYQ168T 1 + REYQ144T	2 x REYQ168T	3 x REYQ120T	REYQ168T + REYQ120T + REYQ96T		
Performance	Nominal Cooling Capacity	BTU/h	312,000	336,000	360,000	384,000	
	Nominal Heating Capacity	BTU/h	351,000	378,000	405,000	432,000	
	Operation Range - Cooling	°F DB (°CDB)	23-122 (-5-50)	23-122 (-5-50)	23-122 (-5-50)	23-122 (-5-50)	
	Operation Range - Heating	°F WB (°CWB)	-13 - 60 (-25-16)	-13 - 60 (-25-16)	-13 - 60 (-25-16)	-13 - 60 (-25-16)	
	Sound Pressure	dB(A)	69		70	70.5	
	Airflow	CFM	9,480 + 9,480		8,806 + 8,806 + 8,806	9,480 + 8,806 + 7,989	
Refrigerant Piping	Vertical Pipe Length Above	ft.	164 (295 w/outdoor setting)	164 (295 w/outdoor setting)	164 (295 w/outdoor setting)	164 (295 w/outdoor setting)	
	Vertical Pipe Length Below	ft.	130 (195 w/outdoor setting)	130 (195 w/outdoor setting)	130 (195 w/outdoor setting)	130 (195 w/outdoor setting)	
	Vertical Pipe Length Between IDU	ft.	100	100	100	100	
	Actual Pipe Length	ft.	540	540	540	540	
	Equivalent Pipe Length	ft.	620	620	620	620	
	Total Pipe Length	ft.	3,280	3,280	3,280	3,280	
Unit	Weight	kg	793 + 793 (360 + 360)		723 + 727 + 727 (330 + 330 + 330)	793 + 723 + 723 (360 + 330 + 330)	
	Dimensions (H x W x D)	in (mm)	66-11/16 x 48-7/8 x 30-3/16 + 66-11/16 x 48-7/8 x 30-3/16 (1694 x 1242 x 767) + (1694 x 1242 x 767)		66-11/16 x 48-7/8 x 30-3/16 + 66-11/16 x 48-7/8 x 30-3/16 + 66-11/16 x 48-7/8 x 30-3/16 (1694 x 1242 x 767) + (1694 x 1242 x 767) + (1694 x 1242 x 767)		
	Refrigerant	Type	R410A				



Our continuing commitment to quality products may mean a change in specifications without notice.

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