

Provides 575V power supply input for the Canadian market



Efficient and Reliable Comfort

The Daikin VRV AURORA series heat pump systems introduce a new benchmark for VRF technology by integrating advanced technologies to provide comfort control, energy efficiency and reliability. The VRV AURORA series systems set a new industry standard for heating and cooling solutions by delivering high heat capacities at low ambient applications. Daikin VRV AURORA series systems are the first 575V systems to be assembled in North America.



Features

- » VRF Industry's first air-cooled system that delivers heating down to -22°F (-30°C) as standard
- » High heating capacity of up to 100% of nominal at 0°F (-18°C), up to 85% of nominal at -13°F (-25°C) and up to 60% of nominal at -22°F (-30°C)
- » Optimized efficiencies delivered by dedicated all-inverter 575V compressors and inverter fan motors
- » Refrigerant cooled inverter technology allows installation without drain pan heaters at extreme low ambient conditions
- » Engineered with Daikin vapor injection compressor for optimized part load efficiencies
- » 1000 hours salt spray tested, Daikin PE Blue fin
- » Auto changeover to back up auxiliary heat as standard
- » Year round comfort and efficiencies with automatic and customizable Variable Refrigerant Technology (VRT)

Applications:



- » Designed and optimized for Total Cost of Construction (TCC) and Life Cycle Cost (LCC)
- » Long pipe lengths up to 1640 ft. total and ability to connect up to 41** indoor units with up to 100 ft. vertical separation between indoor units provides design and installation flexibility



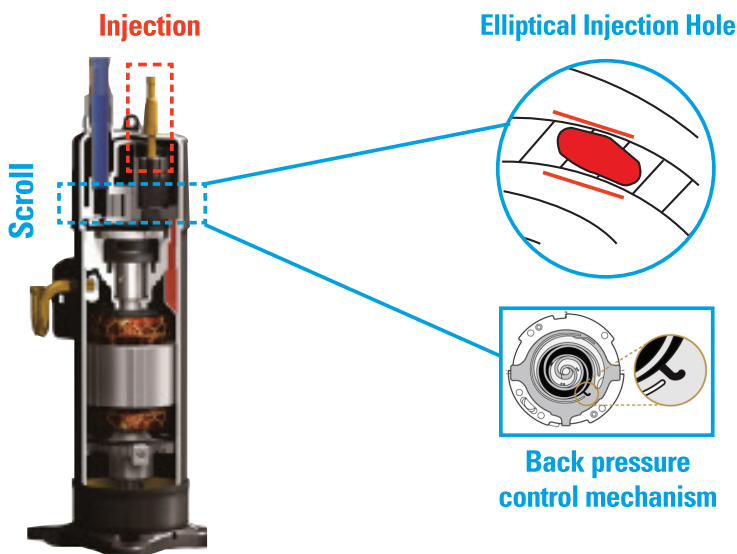
* Complete warranty details available from your local distributor or manufacturer's representative or at www.daikincomfort.com

** Varies by model

Specifications – VRV AURORA™ Series 575V Heat Pump Units

Model			RXLQ72TAYCU	RXLQ96TAYCU	RXLQ120TAYCU	RXLQ144TAYCU	RXLQ192TAYCU	RXLQ240TAYCU
						2 x RXLQ72TAYCU	2 x RXLQ96TAYCU	2 x RXLQ120TAYCU
Performance	Nominal Cooling Capacity	Btu/h	72,000	96,000	120,000	144,000	192,000	240,000
	Nominal Heating Capacity	Btu/h	81,000	108,000	135,000	162,000	216,000	270,000
	Operation Range Cooling	°F (°C) DB	23 to 122 (-5 to 43)					
	Operation Range Heating	°F (°C) WB	-22 to 60 (-30 to 16)					
	Power	V/p/Hz	575/3/60					
Fan	Sound Pressure	dBA	60	61	63.5	63	64	67
	Airflow (Cooling)	CFM	6956	7989	8806	6956 + 6956	7989 + 7989	8806 + 8806
	Airflow (Heating)	CFM	7283	7283	7283	7283 + 7283	7283 + 7283	7283 + 7283
	Fan Motor Output and Quantity	kW	0.70 x 2	0.70 x 2	0.70 x 2	0.70 x 2 + 0.70 x 2	0.70 x 2 + 0.70 x 2	0.70 x 2 + 0.70 x 2
	Fan ESP, Standard/Max	in. WG	0.12/0.32					
Compressor	Compressor Type	Type	Inverter					
	Capacity Control	%	11-100	13-100	12-100	6-100	6-100	6-100
Refrigerant Piping	Liquid Pipe (Main Line)	in	3/8	3/8	1/2	1/2	5/8	5/8
	Suction Gas Pipe (Main Line)	in	3/4	7/8	1-1/8	1-1/8	1-1/8	1-3/8
Refrigerant Piping Layout	Maximum Vertical Pipe Length OD Above	ft	164 (295 With Field Settings)					
	Maximum Vertical Pipe Length OD Below	ft	131 (295 With Field Settings)					
	Max. Vertical Pipe Length between IDU	ft	98					
	Maximum Actual Pipe Length	ft	541					
	Maximum Equivalent Pipe Length	ft	623					
Refrigerant	Total Piping Length	ft	1640					
	Refrigerant		R410A					
Connection Ratio	Connectable Indoor Unit Ratio	%	70 - 200 ¹					
	Maximum Number of Indoor Units	Qty	12	16	20	25	33	41
Unit	Outdoor Unit Size (HxWxD)	in (mm)	66-11/16 x 48-7/8 x 30-3/16 (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 (1694 x 1242 x 767) + (1694 x 1242 x 769)		
	Weight	lbs.(kgs)	727 (330)	793 (360)	793 (360)	727+727 (330+330)	793+793 (360+360)	793+793 (360+360)
Electrical	Maximum Over Current Protection (MOP)	A	25	35	40	25 + 25	35 + 35	40 + 40
	Minimum Circuit Amps (MCA)	A	21.6	28.5	31.2	21.6 + 21.6	28.5 + 28.5	31.2 + 31.2

¹Varies based on indoor model selected



- >> Compressor technology with new spiral design and injection valves for precise refrigerant control
- >> Strong and efficient motors for optimized compressor performance and part load efficiencies

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.

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