DAIKIN
AIR INTELLIGENCE™

VRV

Daikin AURORA™

RELQ_TATJU/TAYDU
208-230 & 460V HEAT RECOVERY

Variable Refrigerant Temperature

Air-Cooled Heat Recovery

Daikin VRV AURORA™ Series heat recovery systems introduce a new benchmark for VRF technology by integrating advanced technologies to provide comfort, control, energy efficiency and reliability. The Daikin VRV AURORA Series heat recovery systems set a new industry standard for heating and cooling solutions by delivering high heat capacities at low ambient applications.

Features:

›› VRF Industry's first air cooled system that delivers heating down to -22°F (-30°C) as standard

›› Daikin's patented inverter based vapor injection compressor delivers high heating capacity of up to 100% at 0°F (-18°C), up to 85% at -13°F (-25°C) and up to 60% at -22°F(-30°C)

›› Optimized efficiencies delivered by dedicated all-inverter compressors and inverter fan motors

›› Refrigerant-cooled efficient and stable inverter board operation, independent of ambient conditions

›› Hot gas base pan circuit allows installation without an additional drain pan heater

›› Designed to provide continuous heating during defrost and oil return**

›› Engineered with Daikin vapor injection compressor for optimized part load efficiencies

›› Added peace of mind with Auto Changeover ability to back up (auxiliary) heat

Applications:

COLD CLIMATE · RESIDENTIAL · OFFICE · RETAIL · SCHOOLS

›› 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

›› Corrosion resistant, 1000 hours salt spray tested Daikin PE blue fin heat exchanger

›› Ships factory standard with coil guards

* 10 YEAR PARTS LIMITED WARRANTY

* 10 YEAR REPLACEMENT COMPRESSOR LIMITED WARRANTY

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

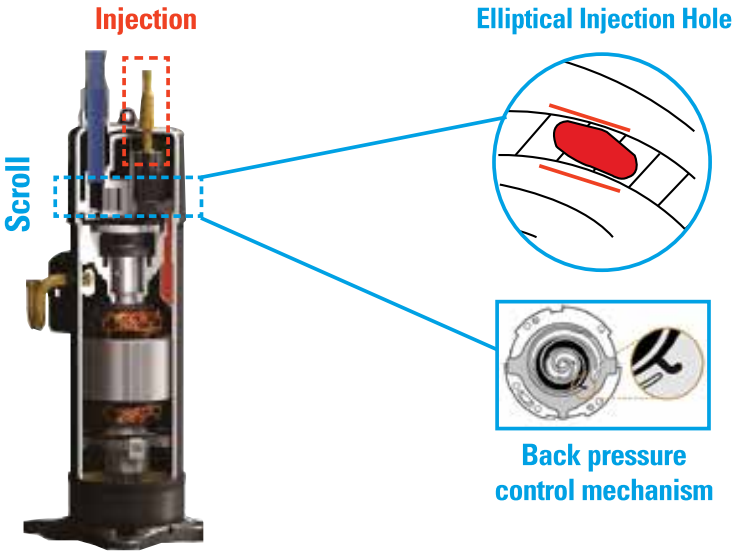
** Multi modules only for continuous heating during defrost

*** Varies by model

Specifications – VRV AURORA™ Series 208-230 & 460V Heat Recovery Units

Model	208-230V/3Ph/60Hz		RELQ72TATJU	RELQ96TATJU	RELQ120TATJU	RELQ144TATJU	RELQ192TATJU	RELQ240TATJU
	460V/3Ph/60Hz		RELQ72TAYDU	RELQ96TAYDU	RELQ120TAYDU	RELQ144TAYDU	RELQ192TAYDU	RELQ240TAYDU
	Combination					2 x RELQ72T	2 x RELQ96T	2 x RELQ120T
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[1] to 122 (-5[1] to 50)					
	Operation Range Heating	°F (°C) WB	-22 to 60 (-30 to 16)					
	Sound Pressure	dBA	60	61	63.5	63	64	67
Fan	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	0.80 x 2	0.80 x 2	0.80 x 2	0.80 x 2 + 0.80 x 2	0.80 x 2 + 0.80 x 2	0.80 x 2 + 0.80 x 2
	Fan ESP. Standard/Max	in. WG	0.12/0.32					
Compressor	Compressor Type	Type	Inverter					
	Capacity Control	%	11~100	10~100	9~100	6~100	5~100	4~100
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
	Discharge Gas Pipe (Main Line)	in	5/8	3/4	3/4	7/8	1-1/8	1-1/8
Refrigerant Piping Layout	Maximum Vertical Pipe Length OD Above	ft	164 (295 With Field Settings)					
	Maximum Vertical Pipe Length OD Below	ft	131 (195 With Field Settings)					
	Max. Vertical Pipe Length between IDU	ft	98					
	Maximum Actual Pipe Length	ft	541					
	Maximum Equivalent Pipe Length	ft	623					
	Total Piping Length	ft	1640					
Refrigerant	Refrigerant		R410A					
Connection Ratio	Connectable Indoor Unit Ratio	%	70 - 200[2]					
	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 (RELQ-TATJU)	Maximum Over Current Protection (MOP)	A	70	80	90	70 + 70	80 + 80	90 + 90
	Minimum Circuit Amps (MCA)	A	60.8	76.5	83.4	60.8 + 60.8	76.5 + 76.5	83.4 + 83.4
Electrical (RELQ-TAYDU)	Maximum Over Current Protection (MOP)	A	35	45	50	35 + 35	45 + 45	50 + 50
	Minimum Circuit Amps (MCA)	A	28.1	39.8	43.4	28.1 + 28.1	39.8 + 39.8	43.4 + 43.4

[1] Cooling operation can be extended down to -4°F with application rules and conditions
[2] Varies 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. **Visit www.daikincomfort.com for details.**