

Submittal Data Sheet

16-Ton, 460V VRV AURORA HP RXLQ192TBYDA

FEATURES

- VRF Industry's first air cooled system that delivers heating down to -22°F (-30°C) as standard
- Daikin's inverter based vapor injection compressor delivers 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)
- Refrigerant-cooled efficient and stable inverter board operation, independent of ambient conditions
- Added peace of mind with Auto Changeover ability to back up (auxiliary) heat
- Year round comfort and energy efficiency delivered by combining VRV and VRT technologies
- Available in 6, 8, 10 ton single modules and 12, 16, 20 ton multimodule systems
- Seamless connection to all VRV M, P and T series indoor and air processing units
- Ships factory standard with coil guards
- Assembled in the US to increase flexibility and reduce lead times
- Standard Limited Warranty: 10-year limited parts warranty

BENEFITS

- Refrigerant cooled inverted technology allows installation without an additional drain pan heater
- Designed and optimized for Total Cost of Construction (TCC) and reduced Life Cycle Cost (LCC)
- Modular and lightweight enables flexibility in system layout and installation
- Engineered with Daikin's inverter based vapor injection compressor for optimized part load efficiency
- Heat exchanger coil wraps around on all 4 sides of the unit to increase the surface area / efficiency
- Corrosion resistant, 1000 hours salt spray tested Daikin PE blue fin heat exchanger
- Long pipe lengths up to 1640 ft total and ability to connect up to 25 indoor units with up to 98 ft vertical separation between indoor units provides design and installation flexibility
- Digital display on the unit for improved and faster configuration, commissioning, and troubleshooting



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RXLQ192TBYDA	Outdoor Unit Name:	16-Ton, 460V VRV AURORA HP
Heat Pump	Unit Combination:	RXLQ96TBYDA(x2)
Indoor (°F DB/WB): 80 / 67 Ambient (°F DB/WB): 95 / 75	Rated Heating Conditions:	Indoor (°F DB/WB): 70 / 60 Ambient (°F DB/WB): 47 / 43
184,000	Rated Heating Capacity (Btu/hr):	184,000
192,000	Nom Heating Capacity (Btu/hr):	216,000
	Heating Input Power (kW):	
11.20 / 10.80	Heating COP (Non-Ducted/Ducted):	3.4 / 3.2
18.70 / 17.20	Heating COP 17F (Non- Ducted/Ducted):	2.1 / 2.1
	Heat Pump Indoor (°F DB/WB): 80 / 67 Ambient (°F DB/WB): 95 / 75 184,000 192,000	Heat Pump Unit Combination: Indoor (°F DB/WB): 80 / 67 Ambient (°F DB/WB): 95 / 75 Rated Heating Conditions: 184,000 Rated Heating Capacity (Btu/hr): 192,000 Nom Heating Capacity (Btu/hr): Heating Input Power (kW): 11.20 / 10.80 Heating COP (Non-Ducted/Ducted): Heating COP 17F (Non-

OUTDOOR UNIT DETAILS			
Power Supply (V/Hz/Ph):	460 / 60 / 3	Compressor Stage:	Inverter
Power Supply Connections:	L1, L2, L3, Ground	Capacity Control Range (%):	6 - 100
Min. Circuit Amps MCA (A):	39.8 + 39.8	Capacity Index Limit:	-
Max Overcurrent Protection (MOP) (A):	45 + 45	Airflow Rate (H) (CFM):	7989
Max Starting Current MSC(A):		Gas Pipe Connection (inch):	1-1/8
Rated Load Amps RLA(A):		Liquid Pipe Connection (inch):	5/8
Dimensions (Height) (in):	66-11/16		
Dimensions (Width) (in):	48-7/8		
Dimensions (Depth) (in):	30-3/16	Sound Pressure (H) (dBA):	64
Net Weight (lb):	793 + 793	Sound Power Level (dBA):	
		Max. No. of Indoor Units:	33

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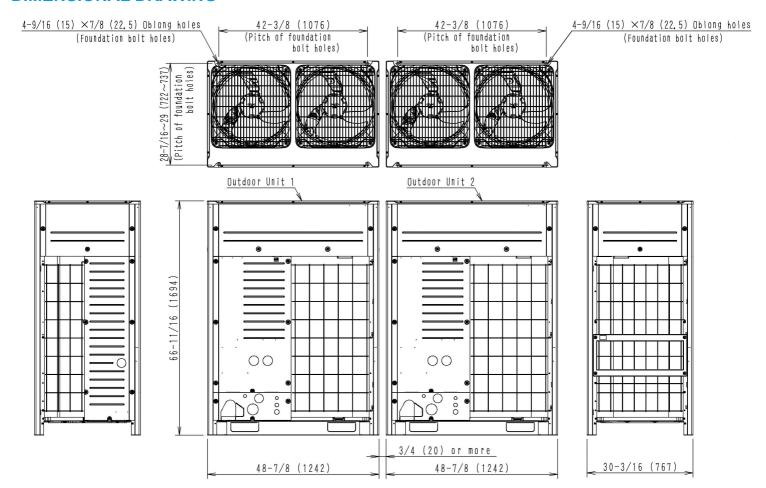


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SYSTEM DETAILS				
Refrigerant Type:	R-410A	Cooling Operation Range (°F DB):	23 - 122	
Holding Refrigerant Charge (lbs):	25.8	Heating Operation Range (°F WB):	-22 - 60	
Additional Charge (oz/ft):		Max. Pipe Length (Vertical) (ft):	164	
Pre-charge Piping (Length) (ft):		Cooling Range w/Baffle (°F DB):	-	
Max. Pipe Length (Total) (ft):	1640			
Max Height Separation (Ind to Ind ft):	98			

DIMENSIONAL DRAWING



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