

Submittal Data Sheet

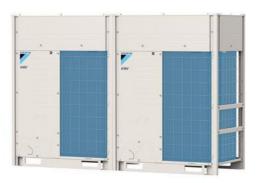
18 Ton. 575V. VRV IV X HP RXYQ216XAYCA

FEATURES

- Industry first 3 phase Heat Pump VRF system to integrate with communicating gas furnaces.
- Design flexibility to enlarge system from single to dual module or dual to triple module without changes to installed main pipe sizes.
- Engineered with Daikin vapor injection compressor for optimized part load efficiencies
- Variable Refrigerant Temperature (VRT) control allows the VRV IV to deliver up to 28% of improvement in seasonal cooling efficiency compared to previous Daikin VRV heat pump systems
- New service window provides quick access to multi-functional display and configuration buttons.
- Assembled in the US to increase flexibility and reduce lead times
- Multi-functional display provides refrigerant pressures and temperatures eliminating the need to connect gauges during regular maintenance check.
- Standard Limited Warranty: 10-year limited parts warranty
- Easy commissioning with ability to program settings off site using configurator tool.

BENEFITS

- Modular and lightweight enables flexibility in system layout and installation
- Integrated inverter technology deliver maximum efficiency during part load conditions and provide precise individual zone control
- Corrosion resistance 1000hr salt spray tested Daikin PE blue fin
- Design flexibility with long piping lengths up to 3,280 ft. total and 100 ft. vertical separation between indoor units
- Choice of gas furnace or heat pump heating for optimizing operational costs based on utility cost.
- Engineered to optimize capital on phased & tenant fit out commercial buildings
- Year round comfort and energy savings with Variable Refrigerant Temperature technology (VRT).
- Field performable Intermittent outdoor fan operation to help minimize snow accumulation on fan blades when the system is off.















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PERFORMANCE			
Outdoor Unit Model No.	RXYQ216XAYCA	Outdoor Unit Name:	18 Ton, 575V, VRV IV X HP
Туре:	Heat Pump	Unit Combination:	RXYQ96XAYCA + RXYQ120XAYCA
Rated Cooling Conditions:	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
Rated Piping Length(ft):			
Rated Height Difference (ft):			
Rated Cooling Capacity (Btu/hr):	206,000	Rated Heating Capacity (Btu/hr):	232,000
Nom Cooling Capacity (Btu/hr):	216,000	Nom Heating Capacity (Btu/hr):	243,000
Cooling Input Power (kW):	17.90	Heating Input Power (kW):	16.40
EER (Non-Ducted/Ducted):	11.80 / 11.30	Heating COP (Non-Ducted/Ducted):	3.8 / 3.6
IEER (Non-Ducted/Ducted):	21.70 / 19.10	Heating COP 17F (Non- Ducted/Ducted):	2.4 / 2.2

OUTDOOR UNIT DETAILS			
Power Supply (V/Hz/Ph):	575 / 60 / 3	Compressor Stage:	
Power Supply Connections:	L1, L2, L3 Ground	Capacity Control Range (%):	6 - 100
Min. Circuit Amps MCA (A):	16.8+18.2	Capacity Index Limit:	108.0 - 280.0
Max Overcurrent Protection (MOP) (A):	20+25	Airflow Rate (H) (CFM):	7989+7989
Max Starting Current MSC(A):		Gas Pipe Connection (inch):	1-1/8
Rated Load Amps RLA(A):	11+11	Liquid Pipe Connection (inch):	5/8
Dimensions (Height) (in):	66-11/16	H/L Pressure Connection (inch)	
Dimensions (Width) (in):	48-7/8+48-7/8	H/L Equalizing Connection (inch)	
Dimensions (Depth) (in):	30-3/16	Sound Pressure (H) (dBA):	68
Net Weight (lb):	727+727	Sound Power Level (dBA):	83
		Max. No. of Indoor Units:	37



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SYSTEM DETAILS					
Refrigerant Type:	R-410A	Cooling Operation Range (°F DB):	23 - 122		
Holding Refrigerant Charge (lbs):	25.8+25.8	Heating Operation Range (°F WB):	-13 - 60		
Additional Charge (lb/ft):		Max. Pipe Length (Vertical) (ft):	295		
Pre-charge Piping (Length) (ft):		Cooling Range w/Baffle (°F DB):	-		
Max. Pipe Length (Total) (ft):	3,280				
Max Height Separation (Ind to Ind ft):					

DIMENSIONAL DRAWING

