

#### **Submittal Data Sheet**

26-Ton VRV-IV Heat Pump Unit - 460V RXYQ312TYDN

### **FEATURES**

- 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
- Same product structure for 230V and 460V simplifies ordering
- The rated seasonal cooling efficiency has been improved by an average of 11% compared to VRV III
- Improved efficiency with IEER values now up to 28
- Larger capacity single modules ranging up to 14 tons and systems up to 34 tons allow for a more flexible system design
- New configurator software designed to simplify the commissioning and maintenance of the system
- Larger capacity single modules allow for opportunity to reduce electrical connections, piping connections and outdoor unit mounting fixtures
- System wide auto-climate adjustment technology to increase the energy efficiency
- All inverter compressors to increase the efficiency and avoid starting current inrush
- Assembled in the US to increase flexibility and reduce lead times
- Standard Limited Warranty: 10-year warranty on compressor and all parts

## **BENEFITS**

- 3 row 7mm heat exchanger coil improves efficiency
- Inverter control board cooled by refrigerant to avoid influence from abient temperatures
- Heat exchanger coil wraps around on all 4 sides of the unit to increase the surface area / efficiency
- Designed with reduced MOP to optimize installation cost
- Digital display on the unit for improved and faster configuration, commissioning, and trouble shooting.





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PERFORMANCE			
Outdoor Unit Model No.	RXYQ312TYDN	Outdoor Unit Name:	26-Ton VRV-IV Heat Pump Unit - 460V
Туре:	Heat Pump	Unit Combination:	RXYQ144TYDN + RXYQ168TYDN
Rated Cooling Conditions:	Indoor (°F DB/WB): 80 / 67 Ambient (°F DB/WB): 95 / 75	Rated Heating Conditions:	Indoor (°F DB/WB): 70 / 70 Ambient (°F DB/WB): 47 / 43
Rated Piping Length(ft):			
Rated Height Difference (ft):	0.00		
Rated Cooling Capacity (Btu/hr):	297,000	Rated Heating Capacity (Btu/hr):	334,000
Nom Cooling Capacity (Btu/hr):		Nom Heating Capacity (Btu/hr):	
Cooling Input Power (kW):	33.10	Heating Input Power (kW):	24.70
EER (Non-Ducted/Ducted):	9.80 / 9.80	Heating COP (Non-Ducted/Ducted):	3.3 / 3.3
IEER (Non-Ducted/Ducted):	19.90 / 18.80	Heating COP 17F (Non-Ducted/Ducted):	2.3 / 2.2

#### OUTDOOR UNIT DETAILS Power Supply (V/Hz/Ph): 460 / 60 / 3 Compressor Type Inverter L1, L2, L3 Ground 20 - 100 Power Supply Connections: Capacity Control Range (%): Min. Circuit Amps MCA (A): 25.9+25.9 Capacity Index Limit: 156.0 - 406.0 8228+8228 Max Overcurrent Protection (MOP) (A): 35+35 Airflow Rate (H) (CFM): Max Starting Current MSC(A): Gas Pipe Connection (inch): 1-3/8 Rated Load Amps RLA(A): (7.6+7.6)+(8.5+8.5) Liquid Pipe Connection (inch): 3/4 Dimensions (Height) (in): 66-11/16 H/L Pressure Connection (inch) Dimensions (Width) (in): 97-6/8 H/L Equalizing Connection (inch) Dimensions (Depth) (in): 30-3/16 Sound Pressure (H) (dBA): 65 Net Weight (lb): 709+709 Sound Power Level (dBA): Max. No. of Indoor Units: 54

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(Daikin's products are subject to continuous improvements. Daikin reserves the right to modify product design, specifications and information in this data sheet without notice and without incurring any obligations)

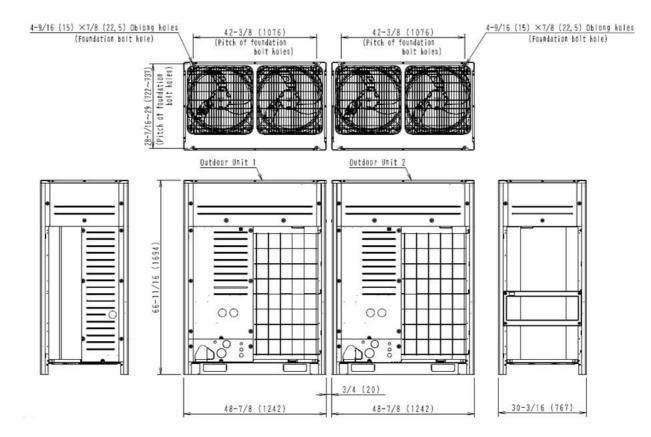


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SYSTEM DETAILS				
Refrigerant Type:	R-410A	Cooling Operation Range (°F DB):	23 - 122	
Holding Refrigerant Charge (lbs):	18.1+17.2	Heating Operation Range (°F WB):	-4 - 60	
Additional Charge (lb/ft):		Max. Pipe Length (Vertical) (ft):	295	
Pre-charge Piping (Length) (ft):		Cooling Range w/Baffle (°F DB):	-	
Max. Pipe Length (Total) (ft):	540	Heating Range w/Baffle (°F WB):	-	
Max Height Separation (Ind to Ind ft):	0			

# **DIMENSIONAL DRAWING**



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