



Submittal Data Sheet

20 Ton, 230V, VRV IV HP

RXYQ240TATJU

FEATURES

- Larger capacity single modules ranging up to 14 tons and systems up to 34 tons allow for a more flexible system design
- 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
- Modular and lightweight enables flexibility in system layout and installation with larger capacity single modules reducing electrical, piping connections
- System wide auto-climate adjustment technology to increase the energy efficiency
- Improved efficiency with IEER values now up to 28
- The rated seasonal cooling efficiency has been improved by an average of 11%
- All inverter compressors to increase the efficiency and avoid starting current inrush
- Same product structure for 230V and 460V simplifies ordering
- New configurator software designed to simplify the commissioning and maintenance of the system
- Factory standard coil guards
- Assembled in the US to increase flexibility and reduce lead times
- Standard Limited Warranty: 10-year limited parts warranty



VRV IV



BENEFITS

- Can operate up to 41 indoor units on a single piping network
- Modular and lightweight - enables flexibility in system layout and installation
- Refrigerant cooled inverted technology to avoid influence from ambient temperatures
- Integrated inverter technology deliver maximum efficiency during part load conditions and provide precise individual zone control
- Heat exchanger coil wraps around on all 4 sides of the unit to increase the surface area and efficiency
- Corrosion resistance 1000hr salt spray tested Daikin PE blue fin heat exchanger
- Design flexibility with long piping lengths up to 3,280 ft. total and 100 ft. vertical separation between indoor units
- 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.	RXYQ240TATJU	Outdoor Unit Name:	20 Ton, 230V, VRV IV HP
Type:	Heat Pump	Unit Combination:	RXYQ120TATJU(x2)
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):	228,000	Rated Heating Capacity (Btu/hr):	256,000
Nom Cooling Capacity (Btu/hr):	240,000	Nom Heating Capacity (Btu/hr):	270,000
Cooling Input Power (kW):	20.10	Heating Input Power (kW):	19.30
EER (Non-Ducted/Ducted):	11.00 / 11.20	Heating COP (Non-Ducted/Ducted):	3.6 / 3.3
IEER (Non-Ducted/Ducted):	20.80 / 20.90	Heating COP 17F (Non-Ducted/Ducted):	2.4 / 2.3

OUTDOOR UNIT DETAILS

Power Supply (V/Hz/Ph):	208-230 / 60 / 3	Compressor Stage:	Inverter
Power Supply Connections:	L1, L2, L3 Ground	Capacity Control Range (%):	15 - 100
Min. Circuit Amps MCA (A):	36.3+36.3	Capacity Index Limit:	120.0 - 312.0
Max Overcurrent Protection (MOP) (A):	45+45	Airflow Rate (H) (CFM):	6286+6286
Max Starting Current MSC(A):		Gas Pipe Connection (inch):	1-3/8
Rated Load Amps RLA(A):	26.2+26.2	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):	64
Net Weight (lb):	528+528	Sound Power Level (dBA):	
		Max. No. of Indoor Units:	41



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SYSTEM DETAILS

Refrigerant Type:	R-410A	Cooling Operation Range (°F DB):	23 - 122
Holding Refrigerant Charge (lbs):	22.9+22.9	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):			

DIMENSIONAL DRAWING

