



Submittal Data Sheet

12-ton VRV T-series WC HP 575V

RWEQ144TBYCU

FEATURES

- Wide capacity range with single modules of 8, 10 and 12 tons and systems up to 35.5 tons for a more flexible system design
- Year round comfort and energy efficiency by combining VRV and VRT technologies
- Compact casing (Height: 38-9/16 in Width: 30-1/8 in Depth: 22-1/16 in) allows flexibility in system layout and installation
- Engineered with heat rejection cancellation technology to minimize mechanical room conditioning requirements
- Variable water flow control logic as standard to increase waterside system operational efficiencies
- Operates with closed loop cooling tower, dry cooler, boiler, and geothermal solutions for optimum flexibility in system layout
- New configurator software designed to simplify the commissioning and maintenance of the system
- 3-digit 7-segment digital display on the unit for improved and faster configuration, commissioning, and troubleshooting
- Standard Limited Warranty: 10-year limited parts warranty



BENEFITS

- Maximum system diversity with up to 150% connectivity of nominal capacity
- Continuous operation allows for cold climate capability delivering comfortable heating performance with no defrost operation
- Design flexibility with long piping lengths up to 980 ft. total (540 ft. max. linear liquid piping length) and 100 ft. vertical separation between indoor units
- Modular - can be installed in double or triple-stack style to maximize space saving
- Refrigerant cooled inverter technology enables consistent and reliable PCB operation
- Developed for easy installation and service: field selectable top or front refrigerant connections and drop-down electrical box for easy service to key components
- Connects to the full suite of advanced Daikin Control Solutions including I-Touch Controller and I-Touch Manager for complete system control



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PERFORMANCE

Outdoor Unit Model No.	RWEQ144TBYCU	Outdoor Unit Name:	12-ton VRV T-series WC HP 575V
Type:	Heat Pump	Unit Combination:	
Rated Cooling Capacity (Btu/hr):	138,000	Rated Cooling Conditions:	Indoor (°F DB/WB): 80.6 / 66.2 EWT (°F): 86
Nom Cooling Capacity (Btu/hr):	144,000	Rated Heating Conditions:	Indoor (°F DB/WB): 68 / 59 EWT (°F): 68
Cooling Input Power (kW):		Rated Piping Length(ft):	
Rated Heating Capacity (Btu/hr):	138,000	Rated Height Difference (ft):	
Heating Input Power (kW):		IEER (Non-Ducted/Ducted):	19.00 / 16.10
Nom Heating Capacity (Btu/hr):	162,000	Heating COP 17F (Non-Ducted/Ducted):	/
		Heating COP (Non-Ducted/Ducted):	5.2 / 5.0

OUTDOOR UNIT DETAILS

Power Supply (V/Hz/Ph):	575 / 60 / 3	Compressor Stage:	Inverter
Power Supply Connections:	L1, L2, L3, Ground	Gas Pipe Connection (in):	1-1/8
Min. Circuit Amps MCA (A):	19.9	Liquid Pipe Connection (in):	1/2
Max Overcurrent Protection (MOP) (A):	25		
Max Starting Current MSC(A):			
Rated Load Amps RLA(A):	10.6	Water Inlet Connection (in):	1-1/4
Dimensions (HxWxD) (in):	38-9/16 x 30-1/8 x 22-1/16	Water Outlet Connection (in):	1-1/4
Net Weight (lb):	440.9	Condensate Drain Outlet (in):	3/8
Capacity Control Range (%):	11-100	Sound Pressure (H) (dBA):	61
Capacity Index Limit (Btu/hr):	-	Sound Power Level (dBA):	
Unit Heat Rejection (kW):		Max. No. of Indoor Units:	

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SYSTEM DETAILS

Refrigerant Type:	R-410A	Cooling Operation Range (°F DB):	-
Holding Refrigerant Charge (lbs):	21.2		
Additional Charge (oz/ft):		Max. Pipe Length (Vertical) (ft):	164
Pre-charge Piping (Length) (ft):		Cooling Inlet Water Temp (Standard) (°F DB):	/ 86
Max. Pipe Length (Total) (ft):	540	Heating Inlet Water Temp (Standard) (°F WB):	/ 68
Max Height Separation (Ind to Ind ft):	98	Cooling Inlet Water Temp (Geothermal) (°F DB):	/
Water Flow Range (GPM):	-	Heating Inlet Water Temp (Geothermal) (°F WB):	/

DIMENSIONAL DRAWING

