Submittal Data Sheet

32-ton VRV T-series WC HP 460V

RWEQ384TBYDA

FEATURES

- Wide capacity range with single modules of 6, 8, 10 and 12 tons and systems up to 36 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
- Compatible with P series or T series branch selector boxes
- 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.	RWEQ384TBYDA	Outdoor Unit Name:	32-ton VRV T-series WC HP 460V
Type:	Heat Pump	Unit Combination:	RWEQ120TBYDA(x2) + RWEQ144TBYDA
Rated Cooling Capacity (Btu/hr):	366,000	Rated Cooling Conditions:	Indoor (°F DB/WB): 80.6 / 66.2 EWT (°F): 86
Nom Cooling Capacity (Btu/hr):	384,000	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):	366,000	Rated Height Difference (ft):	
Heating Input Power (kW):		IEER (Non-Ducted/Ducted):	17.70 / 16.00
Nom Heating Capacity (Btu/hr):	432,000	Heating COP 17F (Non-Ducted/Ducted):	/
		Heating COP (Non-Ducted/Ducted):	4.6 / 4.1

OUTDOOR UNIT DETAILS

Power Supply (V/Hz/Ph):	460 / 60 / 3	Compressor Stage:	Inverter
Power Supply Connections:	L1, L2, L3, Ground	Gas Pipe Connection (in):	1-5/8
Min. Circuit Amps MCA (A):	20.4 + 20.4 + 23.8	Liquid Pipe Connection (in):	3/4
Max Overcurrent Protection (MOP) (A):	25 + 25 + 25		
Max Starting Current MSC(A):			
Rated Load Amps RLA(A):	9.4 + 9.4 + 13.3	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):	445.3 + 445.3 + 445.3	Condensate Drain Outlet (in):	3/8
Capacity Control Range (%):	4-100	Sound Pressure (H) (dBA):	62
Capacity Index Limit (Btu\hr):	-	Sound Power Level (dBA):	
Unit Heat Rejection (kW):		Max. No. of Indoor Units:	64

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SYSTEM DETAILS

Refrigerant Type:	R-410A	Cooling Operation Range (°F DB):	-
Holding Refrigerant Charge (lbs):	21.2 + 21.2 + 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