



## Submittal Data Sheet

14-ton VRV T-series WC HP 575V

RWEQ168TBYCU

### 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.           | RWEQ168TBYCU | Outdoor Unit Name:                   | 14-ton VRV T-series WC HP 575V                 |
| Type:                            | Heat Pump    | Unit Combination:                    | RWEQ96TBYCU                                    |
| Rated Cooling Capacity (Btu/hr): | 156,000      | Rated Cooling Conditions:            | Indoor (°F DB/WB): 80.6 / 66.2<br>EWT (°F): 86 |
| Nom Cooling Capacity (Btu/hr):   | 162,000      | Rated Heating Conditions:            | Indoor (°F DB/WB): 68 / 59<br>EWT (°F): 68     |
| Cooling Input Power (kW):        |              | Rated Piping Length(ft):             |  |
| Rated Heating Capacity (Btu/hr): | 156,000      | Rated Height Difference (ft):        |  |
| Heating Input Power (kW):        |              | IEER (Non-Ducted/Ducted):            | 20.60 / 18.30                                  |
| Nom Heating Capacity (Btu/hr):   | 189,000      | Heating COP 17F (Non-Ducted/Ducted): | /  |
|                                  |              | Heating COP (Non-Ducted/Ducted):     | 5.4 / 5.6                                      |

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):            | 13.8 + 13.9                | Liquid Pipe Connection (in):  | 5/8      |
| Max Overcurrent Protection (MOP) (A): | 15 + 15                    |                               |          |
| Max Starting Current MSC(A):          |                            |                               |          |
| Rated Load Amps RLA(A):               | 6.9 + 6.9                  | 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 + 440.9              | Condensate Drain Outlet (in): | 3/8      |
| Capacity Control Range (%):           | 8-100                      | Sound Pressure (H) (dBA):     | 57       |
| 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):      | 17.4 + 17.4 |  |      |
| 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

