

Submittal Data Sheet

34-Ton VRV-IV Heat Pump Unit - 460V RXYQ408TYDN

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. | RXYQ408TYDN | Outdoor Unit Name: | 34-Ton VRV-IV Heat Pump Unit - 460V |
| Туре: | Heat Pump | Unit Combination: | RXYQ144TYDN + RXYQ168TYDN + RXYQ96TYDN |
| 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): | 380,000 | Rated Heating Capacity (Btu/hr): | 436,000 |
| Nom Cooling Capacity (Btu/hr): | | Nom Heating Capacity (Btu/hr): | |
| Cooling Input Power (kW): | 46.50 | Heating Input Power (kW): | 31.50 |
| EER (Non-Ducted/Ducted): | 9.50 / 9.50 | Heating COP (Non-Ducted/Ducted): | 3.3 / 3.2 |
| IEER (Non-Ducted/Ducted): | 20.40 / 19.00 | Heating COP 17F (Non-Ducted/Ducted): | 2.3 / 2.1 |

OUTDOOR UNIT DETAILS

| OUTDOOR UNIT DETAILS | | | |
|---------------------------------------|--------------------------|----------------------------------|----------------|
| Power Supply (V/Hz/Ph): | 460 / 60 / 3 | Compressor Type | Inverter |
| Power Supply Connections: | L1, L2, L3 Ground | Capacity Control Range (%): | 20 - 100 |
| Min. Circuit Amps MCA (A): | 20.6+25.9+25.9 | Capacity Index Limit: | 204.0 - 530.0 |
| Max Overcurrent Protection (MOP) (A): | 25+35+35 | Airflow Rate (H) (CFM): | 5827+8228+8228 |
| Max Starting Current MSC(A): | | Gas Pipe Connection (inch): | 1-5/8 |
| Rated Load Amps RLA(A): | 10.2+(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): | 146-5/8 | H/L Equalizing Connection (inch) | |
| Dimensions (Depth) (in): | 30-3/16 | Sound Pressure (H) (dBA): | 65 |
| Net Weight (lb): | 553+709+709 | Sound Power Level (dBA): | |
| | | Max. No. of Indoor Units: | 64 |
| | | | |

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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)

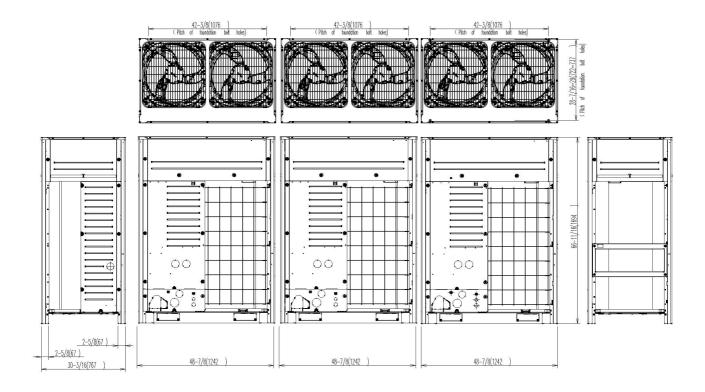


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| SYSTEM DETAILS | | | |
|--|----------------|-----------------------------------|----------|
| Refrigerant Type: | R-410A | Cooling Operation Range (°F DB): | 23 - 122 |
| Holding Refrigerant Charge (lbs): | 22.7+18.1+17.2 | Heating Operation Range (°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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