MODEL NUMBER REYQ240TAYDU, VRV-IV HEAT RECOVERY OUTDOOR UNITS - REYQ SERIES

Total comfort solution for heating, cooling, ventilation and controls.

Daikin's VRV IV systems integrate advanced technology to provide comfort control to help maximize energy efficiency and reliability. VRV IV provides a solution for multi-family residential to large commercial applications desiring heating or cooling. The VRV IV is the first variable refrigerant flow (VRF) system to be assembled in North America.

- VRV with Variable Refrigerant Temperature (VRT) technology
- Energy efficient

+ more

Specifications | Dimensions | System Efficiency Metrics | Features | Benefits | Notes

Specifications

Model Type	Heat Recovery
Fan Type	Propellor Fan
Heat Exchanger Type	Cross Fin Coil with Ultra Gold Corrosion Resistant Fin Coating
Color	Ivory White (5Y7.5/1)
Voltage	460 V
Phase	3
Cooling Capacity	240000 Btu/h

Heating Capacity	270000 Btu/h 79.1 kW
Compressor Type	Hermetically Sealed Scroll
Compressor Displacement	(8.6 + 8.6) + (8.7 + 13.1) m³/h
Fan Air Flow Rate	5827 + 8228 ft³/min 165 + 233 m³/min
Safety Devices	High Pressure Switch, Fan Driver Overload Protector, Overcurrent Relay, Inverter Overload Protector
Weight	325 + 360 kg 717 + 794 lb

Dimensions

Height	66-11/16 + 66-11/16 in 1694 + 1694 mm
Width	48-7/8 + 48-7/8 in 1242 + 1242 mm
Depth	30-3/16 + 30-3/16 in 767 + 767 mm
Pipe Connections - Gas	34.9 mm
Pipe Connections - High/Low Pressure Gas	1-1/8 in 28.6 mm

System Efficiency Metrics

System Performance IEER Ducted	19.8
System Performance SCHE Ducted	22.7
System Performance Heating COP Ducted	3.51
System Performance Heating COP 17F Ducted	2.09

Features

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 recovery systems
- Improved efficiency with IEER values now up to 29.3
- Can provide heating down to -13 °F WB as standard
- Larger capacity single modules ranging up to 14 tons and systems up to 38 tons allow for a more flexible system design, when compared to VRV III
- New configurator software designed to simplify the commissioning and maintenance of the system
- Standard Limited Warranty: 10-year warranty on compressor and all parts
- Larger capacity single modules allow for opportunity to reduce electrical connections, piping connections and outdoor unit mounting fixtures
- All inverter compressors to increase the efficiency and avoid starting current inrush
- Assembled in the US to increase flexibility and reduce lead times
- Factory standard coil guards

Benefits

Benefits

- Can operate up to 64 indoor units on a single piping network
- Inverter control board cooled by refrigerant 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/efficiency
- Modular and lightweight - enables flexibility in system layout and installation
- Ultra gold fin coating with a salt spray test rating of 1000 hours provides superior corrosion resistance for applications near seacoasts and other corrosive environments
- 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 troubleshooting

Notes

Cooling Capacity Note	Indoor temp.: 80 °FDB (26.7 °CDB), 67 °FWB (19.4 °CWB) / outdoor temp.: 95 °FDB (35.0 °CDB) / Equivalent piping length: 25 ft (7.6 m), level difference: 0 ft (0 m).
Heating Capacity Note	Indoor temp.: 70 °FDB (21.1 °CDB) / outdoor temp.: 47 °FDB (8.3 °CDB), 43 °FWB (6.1 °CWB) / Equivalent piping length: 25 ft (7.6 m), level difference: 0 ft (0 m).