

# MODEL NUMBER RXYQ144TATJU, VRV-IV HEAT PUMP OUTDOOR UNITS - RXYQ 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
- Capacity range

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## Specifications

Model Type	Heat Pump
Fan Type	Propellor Fan
Color	Ivory White (5Y7.5/1)
Phase	3
Frequency	60 Hz
Cooling Capacity	144000 Btu/h
Heating Capacity	162000 Btu/h 47.5 kW

<b>Compressor Type</b>	Hermetically Sealed Scroll
<b>Compressor Displacement</b>	14.84 + 16.11 m <sup>3</sup> /h
<b>Fan Air Flow Rate</b>	8228 ft <sup>3</sup> /min 233 m <sup>3</sup> /min
<b>Safety Devices</b>	High Pressure Switch, Fan Driver Overload Protector, Overcurrent Relay, Inverter Overload Protector
<b>Weight</b>	315 kg 695 lb

## Dimensions

<b>Height</b>	66-11/16 in 1694 mm
<b>Width</b>	48-7/8 in 1242 mm
<b>Depth</b>	30-3/16 in 767 mm
<b>Pipe Connections - Gas</b>	28.6 mm

## System Efficiency Metrics

<b>System Performance Heating COP Ducted</b>	3.34
<b>System Performance Heating COP 17F Ducted</b>	2.2
<b>System Performance IEER Ducted</b>	22.6

## 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 pump systems
- Same product structure for 230 V and 460 V 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
- Factory standard coil guards

## Benefits

### Benefits

- 3 row 7mm heat exchanger coil improves efficiency
- Inverter control board cooled by refrigerant to avoid influence from ambient 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.

## Notes

### 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).

### 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).