

ITEM # RXYQ144XAYDA, VRV IV-X HEAT PUMP OUTDOOR UNITS - RXYQ SERIES

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

Daikin's VRV IV-X systems integrate advanced technology to provide comfort control to help maximize energy efficiency and reliability. VRV IV-X provides a solution for multi-family residential to large commercial applications desiring heating or cooling.

- VRV with Variable Refrigerant Temperature (VRT) technology
- Capacity range from 6 to 34 tons
- 460V / 3ph / 60Hz



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Specifications

Model Type	Heat Pump
Fan Type	Propellor Fan
Color	Ivory White (5Y7.5/1)
Voltage	460 V
Phase	3
Frequency	60 Hz
Cooling Capacity	144000 Btu/h
Heating Capacity	162000 Btu/h 47.5 kW

Compressor Type	Hermetically Sealed Scroll
Compressor Displacement	14.84 + 16.11 m ³ /h
Fan Air Flow Rate	8228 ft ³ /min 233 m ³ /min
Safety Devices	High Pressure Switch, Fan Driver Overload Protector, Overcurrent Relay, Inverter Overload Protector
Weight	322 kg 709 lb

Dimensions

Height	66-11/16 in 1694 mm
Width	48-1/2 in 1242 mm
Depth	30-3/16 in 767 mm
Pipe Connections - Gas	28.6 mm

System Efficiency Metrics

System Performance Heating COP Ducted	3.34
System Performance Heating COP 17F Ducted	2.2
System Performance IEER Ducted	22.6

Features

Features

- Variable Refrigerant Temperature (VRT) control allows the VRV IV-X 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).