



Air Conditioning

SUBMITTAL DATA SHEET

MODEL: Cooling Only 60Hz - RXQ12TAYM

PROJECT NAME:

| | |
|---------------|---------------|
| Location: | Approval: |
| Engineer: | Date: |
| Submitted to: | Construction: |
| Submitted by: | Unit #: |
| Reference: | Drawing #: |

FEATURES AND BENEFITS

Large Capacity unit. A single Cooling Only VRV IV outdoor unit (RXQ-TA) capacity ranges from 6 HP to 20 HP in increments of 2 HP, and the capacity of a triple outdoor unit system is up to 60 HP.

Highly-integrated Daikin VRV IV system (RXQ-TA) offers compact outdoor units to achieve maximum utilization of space in modern buildings. Can be transported easily by elevator.

VRV IV outdoor unit (RXQ-TA) has been achieved high external static pressure up to 78.4 Pa*, ensuring the efficient heat dissipation and stable operation of equipment in either hierarchical or intensive arrangement.

Higher Coefficient of Performance (COP) delivers highly efficient performance, contributing to high energy savings. Savings are specially improved during low load operation due to Daikin's own unique VRT technology automatically adjusts refrigerant temperature to individual building and climate requirement, thus further improving annual energy efficiency and maintaining comfort.

High-efficiency DC Inverter Scroll Compressor with high-pressure and low-pressure chambers, which can dramatically enhance compression efficiency by making full use of the compression chamber.

Integrated 4-side heat exchanger ensures the high efficiency and energy saving of Daikin VRV IV system. Effective heat exchange area of a VRV IV heat exchanger module is over 200 m², 2.7 times larger than that of VRV III system.

State-of-the-Art energy Saving Technology for VRV system, during cooling, the refrigerant evaporating temperature (Te) is raised to minimize the difference with the condensing temperature. Compressors work less, and this reduces power consumption.

New generation intelligent control main PC board with SMT packaging that improves the anti-clutter performance and protects your computer boards from the adverse effect of sandy and humid weather.

Simplified commissioning and after-sales service

Lower operation sound, double backup operation functions, more accurate test operation and stable system, easy maintenance.

EXTERNAL APPEARANCE

VRV IV



INVERTER **R-410A**

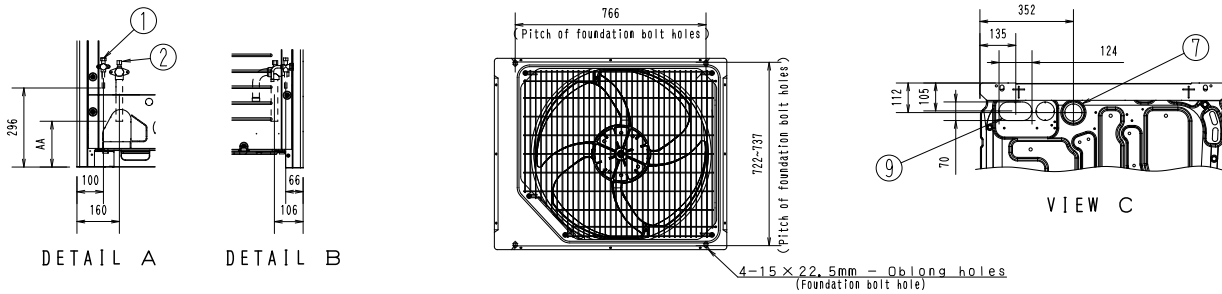


SPECIFICATIONS

| | | | |
|--|-------------------------------|--|-----------------------------------|
| Model Name | | RXQ12TAYM | |
| Power Supply | | 3 phase, 380-415/380 V, 50/60 Hz | |
| *1 Cooling Capacity | kcal/h | 28,800 | |
| | Btu/h | 114,000 | |
| | kW | 33,5 | |
| Casing Color | | Ivory white (5Y7.5/1) | |
| Dimensions: (AlxAh×Prof) | | mm | 1,657×930×765 |
| Heat Exchanger | | Cross fin coil | |
| Compressor | Type | Hermetically sealed scroll type | |
| | Motor Output× Number of Units | kW | 5.2×1 |
| | Starting Method | | Soft start |
| Fan | Type | Propeller fan | |
| | Motor Output | kW | 0.5×1 |
| | Airflow Rate | m ³ /min | 178 |
| | Drive | | Direct drive |
| Connecting Pipes | Liquid Pipe | mm | φ12.7 C1220T (Brazing connection) |
| | Gas Pipe | mm | φ28.6 C1220T (Brazing connection) |
| Mass | kg | 195 | |
| *2 Sound Pressure Level | | dB(A) | 59 |
| Safety Devices | | High pressure switch, Fan driver overload protector, Over current relay, Inverter overload protector | |
| Capacity Control | | % | 15-100 |
| Refrigerant | Refrigerant Name | | R410A |
| | Charge | kg | 6,3 |
| | Control | | Electronic expansion valve |
| Refrigerator Oil | | Refer to the nameplate of compressor | |
| Standard Accessories | | Installation manual, Operation manual, Connection pipes, Clamps | |
| Drawing No. | Specifications | | C: 3D103625B |
| | Sound level | | C: 4D103811 |
| <p>Notes:</p> <p>*1. Indoor temp.: 27°CDB, 19°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5m, level difference: 0m.</p> <p>*2. Anechoic chamber conversion value, measured at a point 1 m in front of the unit at a height of 1.5m.</p> <p>*3. During actual operation, these values are normally somewhat higher as a result of ambient conditions.</p> <p>4. Refer to Capacity Tables for the power input (PI) (Compressor + Outdoor fan motor).</p> | | | |

DIMENSIONS

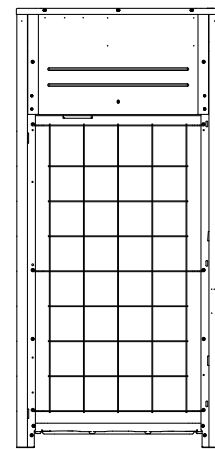
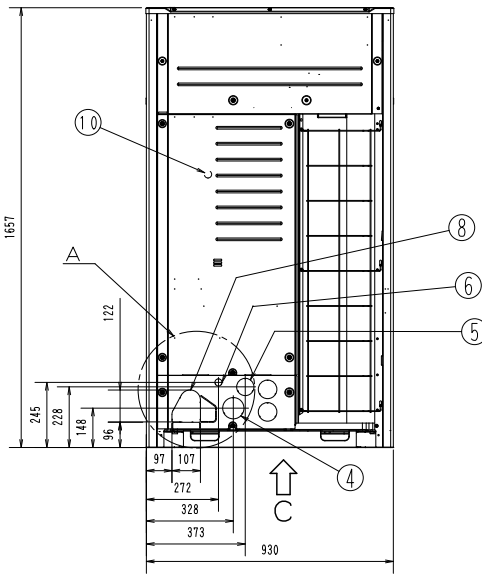
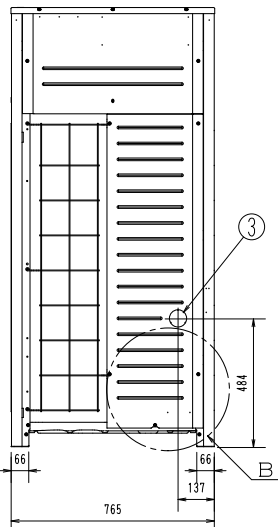
Unit: mm



DETAIL A

DETAIL B

VIEW C



| MODEL | AA |
|-----------------|-----|
| RX06 • 8 • 10TA | 167 |
| RXQ12TA | 171 |

NOTES:
 1. DETAIL A AND DETAIL B INDICATE THE DIMENSIONS AFTER FIXING THE ATTACHED PIPING.
 2. ITEMS 3 TO 9 KNOCK OUT HOLE.
 GAS PIPE:
 Φ13.1 BRAZING CONNECTION: RX(Y)06 • 8T
 Φ12.2 BRAZING CONNECTION: RX(Y)010T
 Φ20.6 BRAZING CONNECTION: RX(Y)012T
 LIQUID:
 Φ9.5 BRAZING CONNECTION: RX(Y)06 • 8 • 10T
 Φ12.7 BRAZING CONNECTION: RX(Y)012T

| No. | Parts name | Remarks |
|-----|----------------------------------|---------------------------|
| 1 | Liquid pipe connection part | See note 3. |
| 2 | Gas pipe connection part | See note 3. |
| 3 | Power cord routing hole (side) | Φ65 |
| 4 | Power cord routing hole (front) | Φ80 |
| 5 | Power cord routing hole (front) | Φ65 |
| 6 | Power cord routing hole (front) | Φ77 |
| 7 | Power cord routing hole (bottom) | Φ65 |
| 8 | Pipe routing hole (front) | |
| 9 | Pipe routing hole (bottom) | |
| 10 | Grounding terminal | Inside of switch box (M8) |

C: 3D084511E