



# SUBMITTAL DATA SHEET

MODEL: Heat Pump 60Hz - RXYQ62BTL

## PROJECT NAME:

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

## FEATURES AND BENEFITS

Experience the next generation of VRV performance.

This new line introduces single modules from 8 to 26 HP—and system expansions up to 78 HP—offering major reductions in installation costs and mechanical room space. Its redesigned chassis makes installation, commissioning, and maintenance easier than ever.

At its core is Daikin's patented inverter compressor, a compact and lightweight design optimized for superior part-load efficiency, delivering EER values up to 5.26. The innovative sealed E-box (IP55) protects the unit against geckos, insects, dust, water, and snow, ensuring long-term reliability in any climate.

Enjoy true design freedom thanks to the ability to expand from single to dual modules without changing main pipe sizes, complemented by industry-leading piping allowances with vertical separation up to 110 m.

The optimized hot-gas defrost system allows installation without a base pan heater, while the learning defrost logic improves heating continuity and speeds up warm-air delivery in the next cycle. The operating range has also been extended, performing up to 52°C DB in cooling and -25°C WB in heating.

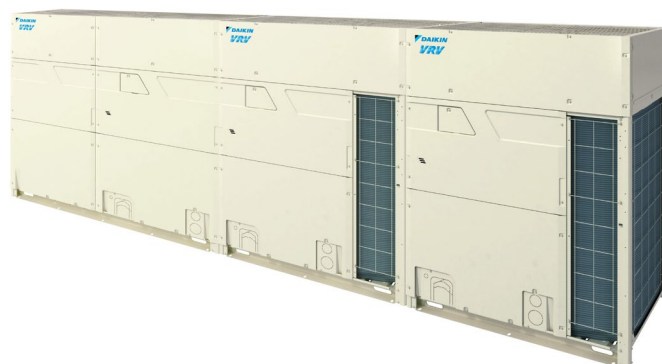
Maintenance is faster and smarter with a service window that gives direct access to a multi-functional display showing refrigerant pressures and temperatures—eliminating the need for gauges during routine checks.

With VRT Smart II, indoor and outdoor units work together to minimize energy use by matching capacity to real-time demand. Additional savings come from optimized outdoor airflow control.

Engineered for modern commercial projects, it's the ideal solution for phased development and tenant fit-out applications. And thanks to refrigerant-cooled inverter technology, the PCB stays cool and stable even under extreme ambient conditions.

## EXTERNAL APPEARANCE

**VRV VI**



**INVERTER** **R-410A**



| Model Name (Combination Unit) |                                |        | RXYQ62BTL                                                                                                                  |
|-------------------------------|--------------------------------|--------|----------------------------------------------------------------------------------------------------------------------------|
| Model Name (Independent Unit) |                                |        | RXYQ20BTL + RXYQ20BTL + RXYQ22BTL                                                                                          |
| Power supply                  |                                |        | 3 phase, 220 V, 60 Hz                                                                                                      |
| 1 Cooling capacity            | kcal/h                         |        | 149.000                                                                                                                    |
|                               | Btu/h                          |        | 592.000                                                                                                                    |
|                               | kW                             |        | 174                                                                                                                        |
| 2 Heating capacity            | kcal/h                         |        | 167.000                                                                                                                    |
|                               | Btu/h                          |        | 665.000                                                                                                                    |
|                               | kW                             |        | 195                                                                                                                        |
| Casing color                  |                                |        | Ivory white (5Y7.5/1)                                                                                                      |
| Dimensions (H × W × D)        |                                | mm     | 1,660 × 1,240 × 765 + 1,660 × 1,240 × 765 +<br>1,660 × 1,750 × 765                                                         |
| Heat exchanger                |                                |        | Cross fin coil                                                                                                             |
| Compressor                    | Type                           |        | Hermetically sealed scroll type                                                                                            |
|                               | Motor output × Number of units | kW     | (4.5 × 1) + (7.4 × 1) + (4.5 × 1) + (7.4 × 1) +<br>(7.0 × 1) + (7.3 × 1)                                                   |
|                               | Starting method                |        | Soft start                                                                                                                 |
| Fan                           | Type                           |        | Propeller fan                                                                                                              |
|                               | Motor output                   | kW     | (0.65 × 2) + (0.65 × 2) + (0.95 × 2)                                                                                       |
|                               | Airflow rate                   | m³/min | 306 + 306 + 430                                                                                                            |
|                               |                                | L/s    | 5,100 + 5,100 + 7,167                                                                                                      |
|                               |                                | cfm    | 10,802 + 10,802 + 15,179                                                                                                   |
| Connecting pipes              | Drive                          |        | Direct drive                                                                                                               |
|                               | Liquid pipe                    | mm     | φ 19.1 C1220T (Brazing connection)                                                                                         |
|                               | Gas pipe                       | mm     | φ 41.3 C1220T (Brazing connection)                                                                                         |
| Mass                          |                                | kg     | 340 + 340 + 385                                                                                                            |
| 3 Sound pressure level (C/H)  |                                | dB(A)  | 71 / 71                                                                                                                    |
| Sound power level             |                                | dB     | 95                                                                                                                         |
| Safety devices                |                                |        | High pressure switch, Fan driver overload protector, Overcurrent relay, Inverter overload protector, Leak detecting device |
| Capacity control              |                                | %      | 4-100                                                                                                                      |
| Refrigerant                   | Refrigerant name               |        | R-410A                                                                                                                     |
|                               | Charge                         | kg     | 11.7 + 11.7 + 11.7                                                                                                         |
|                               | Control                        |        | Electronic expansion valve                                                                                                 |
| Standard accessories          |                                |        | Installation manual, Operation manual, Connection pipes and Clamps                                                         |
| Drawing No.                   |                                |        | 4D152322A                                                                                                                  |

### Notes:

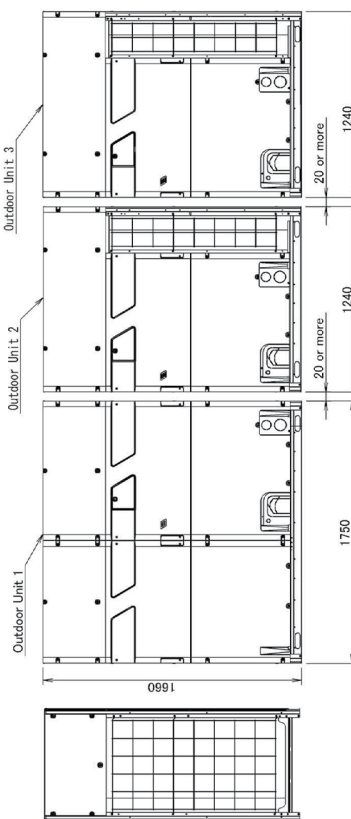
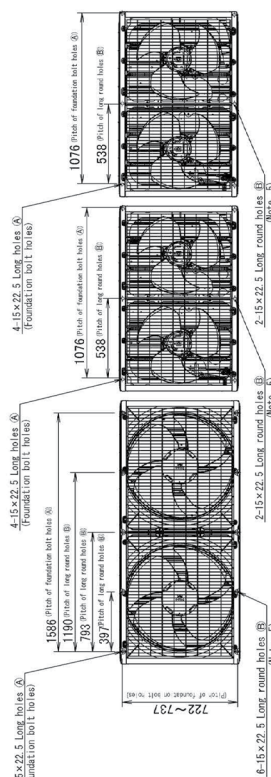
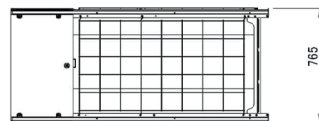
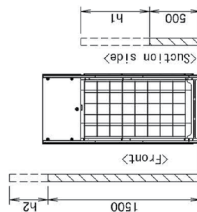
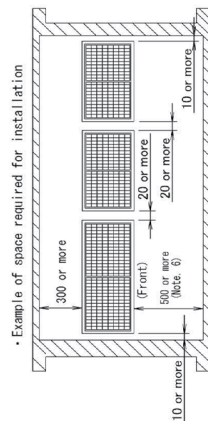
- Indoor temp.: 27°CDB, 19°CWB / Outdoor temp.: 35°CDB / Equivalent piping length: 7.5 m, Height difference: 0 m.
- Indoor temp.: 20°CDB, 15°CWB / Outdoor temp.: 7°CDB, 6°CWB / Equivalent piping length: 7.5 m, Height difference: 0 m.
- Anechoic chamber conversion value, measured at a point 1 m in front of the unit at a height of 1.5 m.  
During actual operation, these values are normally somewhat higher as a result of ambient conditions and oil recovery mode.  
When there is concern for noise the surrounding area such as residences, we recommend investigating the installation location and taking soundproofing measures.

### Conversion formulae

kcal/h=kW×860  
 Btu/h=kW×3412  
 l/s=m<sup>3</sup>/min×1000/60  
 cfm=m<sup>3</sup>/min×35.3

### Combination Unit

Unit: mm



Notes : 1. Dimensions of walls of this example.

1. Suction side : 500mm
2. Front : 1500mm
3. The installation space shown in this figure is based on the condition of cooling operation at the outdoor air temperature of 35°CDB.
4. The installation space of suction side shown above must be expanded in the following cases.
  - Operating over max. operating load (in case of causing a heavy heating load at indoor unit side).
  - If the above wall heights are exceeded then h<sub>2</sub>/2 and h<sub>1</sub>/2 should be added to the front and suction side.
5. When installing the units the most appropriate pattern should be selected from "Installation and repair space drawing" in order to obtain the best fit in the space available for the air to circulate freely.
6. (If more units are to be installed than are shown in "Installation and repair space drawing".)
  - The units should be installed to leave sufficient space at the front for the on site refrigerant piping work to be carried out comfortably.
  - It is not necessary to fix the foundation bolts in the long round holes (B) fix at holes (A).
  - If enough working space is needed for service work.

| Model Name    | Outdoor Unit 1 | Drawing No. | Outdoor Unit 2 | Drawing No. | Outdoor Unit 3 | Drawing No. |
|---------------|----------------|-------------|----------------|-------------|----------------|-------------|
| RXYQ62BTL/BYD | RXYQ22BTL/BYD  | 3D145075    | RXYQ22BTL/BYD  | 3D145070    | RXYQ22BTL/BYD  | 3D145070    |
| RXYQ64BTL/BYD | RXYQ24BTL/BYD  | 3D145075    | RXYQ24BTL/BYD  | 3D145070    | RXYQ24BTL/BYD  | 3D145070    |
| RXYQ66BTL/BYD | RXYQ26BTL/BYD  | 3D145075    | RXYQ26BTL/BYD  | 3D145070    | RXYQ26BTL/BYD  | 3D145070    |

3D152241