

# SPECIFICATIONS

## DUCT CONNECTION MIDDLE AND HIGH STATIC PRESSURE TYPE (Heat Pump)



| Model Name   |   | 71  | 100                            | 125                       | 140                             | 100   | 125                       | 140                |           |
|--|---|---|--------------------------------|---------------------------|---------------------------------|---|---------------------------|--------------------|-----------|
| Indoor unit  |   | FBQ71DV1  | FBQ100DV1                      | FBQ125DV1                 | FBQ140DV1                       | FBQ100DV1   | FBQ125DV1                 | FBQ140DV1          |           |
| Outdoor unit   |   | RZQ71KCV4A  | RZQ100KCV4A                    | RZQ125KCV4A               | RZQ140KCV4A                     | RZQ100HAY4A   | RZQ125HAY4A               | RZQ140HAY4A        |           |
| Power supply   |   | Indoor unit : 1 Phase, 220-240 V, 50 Hz<br>Outdoor unit : 1 Phase, 240 V, 50 Hz |                                |                           |                                 | Indoor unit : 1 Phase, 220-240 V, 50 Hz<br>Outdoor unit : 3 Phase, 415 V, 50 Hz |                           |                    |           |
| Cooling capacity <sup>1</sup><br>Rated (Min. - Max.) |   | kW<br>7.1<br>(3.2-8.0)  | 10.0<br>(5.0-11.2)             | 12.5<br>(5.7-14.0)        | 13.1<br>(6.2-15.4)              | 10.0<br>(5.0-11.2)  | 12.5<br>(5.7-14.0)        | 13.1<br>(6.2-15.4) |           |
| Heating capacity <sup>2</sup><br>Rated (Min. - Max.) |   | kW<br>8.0<br>(3.5-9.0)  | 11.2<br>(5.1-12.8)             | 14.0<br>(6.0-16.2)        | 16.0<br>(6.2-18.0)              | 11.2<br>(5.1-12.8)  | 14.0<br>(6.0-16.2)        | 16.0<br>(6.2-18.0) |           |
| Power consumption                                    | Cooling <sup>1</sup>                                | kW  | 2.22                           | 3.17                      | 3.97                            | 4.16  | 3.17                      | 4.16               |           |
|  | Heating <sup>2</sup>                                | kW  | 2.43                           | 3.15                      | 3.95                            | 4.68  | 3.15                      | 4.68               |           |
| COP  | Cooling   | W/W   | 3.20                           |                           |                                 | 3.15  |                           |                    |           |
|  | Heating   | W/W   | 3.29                           | 3.56                      | 3.54                            | 3.42  | 3.56                      | 3.42               |           |
| Indoor unit  | Colour  |   | -                              |                           |                                 |   |                           |                    |           |
|  | Fan   | Airflow rate (H/L)  | m <sup>3</sup> /min            | 18/15                     | 32/23                           | 39/28   |                           | 32/23              | 39/28     |
|  |   |   | cfm                            | 635/530                   | 1,130/812                       | 1,377/988   |                           | 1,130/812          | 1,377/988 |
|  | External static pressure <sup>3</sup> (Middle-High) |   | Pa                             | 50-200                    |                                 |   |                           |                    |           |
|  | Sound level (H/L) <sup>4</sup>                      |   | dB(A)                          | 37/32                     | 38/33                           | 40/36   | 40/36                     | 38/33              | 40/36     |
|  | Dimensions (HX WX D)                                |   | mm                             | 300X 1,000X 700           |                                 | 300X 1,400X 700   |                           |                    |           |
|  | Machine weight                                      |   | kg                             | 36                        |                                 | 46  |                           |                    |           |
|  | Certified Operation range                           | Cooling   | °CWB                           | 14 to 25                  |                                 |   |                           |                    |           |
|  |   | Heating   | °CDB                           | 15 to 27                  |                                 |   |                           |                    |           |
|  | Outdoor unit  | Colour  |                                | Ivory white               |                                 |   |                           |                    |           |
| Compressor   |   | Type  | Hermetically sealed swing type |                           | Hermetically sealed scroll type |   |                           |                    |           |
|  |   | Motor output  | kW                             | 1.7                       | 1.9                             | 2.4   | 2.9                       | 1.9                | 2.4       |
| Refrigerant charge (R-410A)                          |   | kg  | 2.75<br>(Charged for 30 m)     | 3.7<br>(Charged for 30 m) |                                 |   | 4.3<br>(Charged for 30 m) |                    |           |
| Sound level  |   | Cooling/Heating <sup>4</sup>  | dB(A)                          | 48/50                     | 49/51                           | 50/52   |                           | 49/51              | 50/52     |
|  |   | Night quiet mode  | dB(A)                          | 44                        | 45                              |   | 46                        | 45                 |           |
| Dimensions (HX WX D)                                 |   | mm  | 770X 900X 320                  | 1,170X 900X 320           |                                 |   | 1,345X 900X 320           |                    |           |
| Machine weight                                       |   | kg  | 68                             | 98                        |                                 |   | 108                       |                    |           |
| Certified Operation range                            |   | Cooling   | °CDB                           | -5 to 46                  |                                 |   |                           |                    |           |
|  |   | Heating   | °CWB                           | -15 to 15.5               |                                 |   |                           |                    |           |
| Piping connections                                   | Liquid (Flare)                                      |   | mm                             |                           |                                 |   |                           |                    |           |
|  | Gas (Flare)   |   | mm                             |                           |                                 |   |                           |                    |           |
|  | Drain   | Indoor unit   | mm                             |                           |                                 |   |                           |                    |           |
|  |   | Outdoor unit  | mm                             |                           |                                 |   |                           |                    |           |
| Max. interunit piping length                         |   | m   | 50 (Equivalent length 70)      | 75 (Equivalent length 90) |                                 |   |                           |                    |           |
| Max. installation level difference                   |   | m   | 30                             |                           |                                 |   |                           |                    |           |
| Heat insulation                                      |   |   | Both liquid and gas piping     |                           |                                 |   |                           |                    |           |

Note :

1 Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; outdoor temp., 35°CDB, 24°CWB. Equiv. refrigeration piping, 7.5 m (horizontal).

2 Rated heating capacities are based on the following conditions: Indoor temp., 20°CDB, outdoor temp., 7°CDB, 6°CWB. Equiv. refrigeration piping, 7.5 m (horizontal)

3 Initial setting is standard.

4 Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.