

SPECIFICATIONS (Contd.)

Ceiling Mounted 3 x 3 Cassette Type (Cooling Only)



| Model | | | | Indoor | FCVF18ARV16 | FCVF24ARV16 | FCVF30ARV16 | FCVF36ARV16 | FCVF42ARV16 | FCVF48ARV16 |
|-------------------------------------|------------------------|--------|------|---------|-------------|-------------|-------------|-------------|--------------|-------------|
| | | | | Outdoor | RGVF18ARV16 | RGVF24ARV16 | RGVF30ARV16 | RGVF36ARV16 | RGVF42ARV16 | RGVF48ARV16 |
| Nominal Cooling Capacity | | | | Tonnage | 1.5 | 1.9 | 2.4 | 2.7 | 3.5 | 3.8 |
| | | | | Btu/hr | 18084 | 22860 | 29029 | 32102 | 42027 | 45630 |
| | | | | kw | 5.3 | 6.7 | 8.5 | 9.4 | 12.3 | 13.4 |
| Nominal Total Input Power (Cooling) | | | | w | 1536 | 1942 | 2464 | 2724 | 3750 | 4607 |
| ISEER | | | | w/w | 3.45 | 3.45 | 3.45 | 3.45 | 3.28 | 2.9 |
| BEE Star Level | | | | | 2 | 2 | 2 | 2 | NA | NA |
| Power Source | | | | V/Ph/Hz | 230V/1/50 | | | | 415 / 3 / 50 | |
| Refrigerant Type | | | | | R-32 | | | | | |
| Indoor | Air Flow | High | CFM | High | 730 | 890 | 1030 | 1030 | 1120 | 1120 |
| | | Medium | | Medium | 620 | 760 | 870 | 870 | 1030 | 1030 |
| | | Low | | Low | 510 | 620 | 730 | 730 | 890 | 890 |
| | | Quiet | | Quiet | 360 | 490 | 580 | 580 | 760 | 760 |
| | Sound Pressure Level | High | dBA | High | 38 | 41 | 46 | 46 | 48 | 48 |
| | | Medium | | Medium | 35 | 38 | 41 | 41 | 45 | 45 |
| | | Low | | Low | 33 | 35 | 37 | 37 | 41 | 41 |
| | | Quiet | | Quiet | 29 | 32 | 34 | 34 | 37 | 37 |
| | Unit Dimension [Panel] | Height | mm | Height | 246[304] | 246[304] | 288[346] | 288[346] | 288[346] | 288[346] |
| | | Width | mm | Width | 840[950] | 840[950] | 840[950] | 840[950] | 840[950] | 840[950] |
| | | Depth | mm | Depth | 840[950] | 840[950] | 840[950] | 840[950] | 840[950] | 840[950] |
| | Unit Weight [Panel] | | kg | | 22[5] | 22[5] | 25[5] | 25[5] | 25[5] | 29[5] |
| Outdoor | Unit Dimension | | mm | Height | 595 | 595 | 990 | 990 | 990 | 990 |
| | | | mm | Width | 845 | 845 | 940 | 940 | 940 | 940 |
| | | | mm | Depth | 300 | 300 | 320 | 320 | 320 | 320 |
| | Unit Weight | | kg | | 40 | 45 | 68 | 71 | 74 | 74 |
| | Pipe Connection | | Type | | Flare | | | | | |
| | | Liquid | mm | Φ6.4 | Φ6.4 | Φ9.5 | Φ9.5 | Φ9.5 | Φ9.5 | Φ9.5 |
| | | Gas | mm | Φ12.7 | Φ15.9 | Φ15.9 | Φ15.9 | Φ15.9 | Φ15.9 | Φ15.9 |
| Max Piping Length | | | | m | 20 | 20 | 20 | 20 | 30 | 30 |
| Max Piping Elevation | | | | m | 10 | 10 | 10 | 10 | 15 | 15 |

Note:

- Rated cooling capacities are based on the following conditions: Return air temp.: 27°CDB, 19.0°CWB, Outdoor temp.: 35°CDB, 24°CWB Equiv. ref. piping: 7.5m (Horizontal)
- Anechoic chamber conversion value, measured under JIS conditions. During actual operation, these values are normally somewhat higher as a result of ambient conditions.

Ceiling Mounted 3 x 3 Cassette Type (Heat Pump)

R-410A

| Model Name | Indoor unit | | 90 | 100 | 125 | |
|------------------------------------|-----------------------------|--------------|---------------------------|-----------------------------|-----------------------------|-----------------|
| | Indoor unit | Outdoor unit | FCQN90EXV16 RQ90DGXY16 | FCQN100EXV16 RQ100DGXY16 | FCQN125EXV16 RQ125DGXY16 | |
| Power supply | | | 380-415/3/50 | 380-415/3/50 | 380-415/3/50 | |
| Cooling Capacity (Rated) | Cooling | Btu/h | 31000 | 39000 | 45000 | |
| | Heating | Btu/h | 33400 | 39000 | 48000 | |
| Power consumption | Cooling | kW | 2.77 | 3.84 | 4.39 | |
| | Heating | kW | 2.55 | 3.61 | 4.01 | |
| Indoor unit | Colour | | White | White | White | |
| | Air ow rate (H/M/L/SL) | cfm | 1030/860/740/620 | 1030/860/740/620 | 1200/1030/930/780 | |
| | Sound level (H/M/L/SL) | dB(A) | 47/44/40/36 | 47/44/40/36 | 49/45/43/39 | |
| | Dimensions (H x W x D) | Unit | mm | 300 x 820 x 820 | 300 x 820 x 820 | 300 x 820 x 820 |
| | | Panel | mm | 75 x 990 x 990 | 75 x 990 x 990 | 75 x 990 x 990 |
| | Machine weight | Unit | kg | 31 | 31 | 31 |
| Panel | | kg | 4 | 4 | 4 | |
| Outdoor unit | Compressor | Type | Scroll | Scroll | Scroll | |
| | Refrigerant charge (R-410A) | kg | 1.93 | 2.33 | 2.10 | |
| | Sound level | Cooling | dB(A) | 58 | 58 | 60 |
| | Dimensions (H x W x D) | mm | 852 x 1030 x 400 | 852 x 1030 x 400 | 852 x 1030 x 400 | |
| | Machine weight | kg | 86 | 95 | 98 | |
| | Certified operation range | Cooling | °CDB | 19°C~46°C | 19°C~46°C | 19°C~46°C |
| Cooling | | °CWB | -9°C~18°C | -9°C~18°C | -9°C~18°C | |
| Piping connections | Liquid (Flare) | mm | φ9.52 | φ9.52 | φ9.52 | |
| | Gas (Flare) | mm | φ15.88 | φ15.88 | φ15.88 | |
| | Drain | mm | φ19.05 | φ19.05 | φ19.05 | |
| Max. interunit piping length | m | 45 | 45 | 45 | | |
| Max. installation level difference | m | 25 | 25 | 25 | | |

Note:

- Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping: 7.5 m (horizontal).
- 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).
- Anaechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.