

**Cooling**      **50Hz 220-240V**

|     |      |
|-----|------|
| AFR | 9    |
| BF  | 0.24 |

| Indoor |      | Outdoor temperature (°CDB) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|--------|------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| EWB    | EDB  | 20                         |      |      | 25   |      |      | 30   |      |      | 32   |      |      | 35   |      |      | 40   |      |      |
| (°C)   | (°C) | TC                         | SHC  | PI   | TC   | SHC  | PI   | TC   | SHC  | PI   | TC   | SHC  | PI   | TC   | SHC  | PI   | TC   | SHC  | PI   |
| 14.0   | 20   | 2.56                       | 1.95 | 0.56 | 2.44 | 1.89 | 0.61 | 2.33 | 1.84 | 0.67 | 2.28 | 1.81 | 0.69 | 2.21 | 1.78 | 0.72 | 2.10 | 1.72 | 0.78 |
| 16.0   | 22   | 2.68                       | 1.92 | 0.56 | 2.56 | 1.86 | 0.62 | 2.44 | 1.81 | 0.67 | 2.40 | 1.79 | 0.69 | 2.33 | 1.76 | 0.73 | 2.21 | 1.71 | 0.78 |
| 18.0   | 25   | 2.79                       | 2.01 | 0.57 | 2.68 | 1.96 | 0.62 | 2.56 | 1.92 | 0.67 | 2.51 | 1.90 | 0.70 | 2.44 | 1.87 | 0.73 | 2.33 | 1.82 | 0.78 |
| 19.0   | 27   | 2.85                       | 2.13 | 0.57 | 2.73 | 2.08 | 0.62 | 2.62 | 2.04 | 0.68 | 2.57 | 2.02 | 0.70 | 2.50 | 1.99 | 0.73 | 2.38 | 1.94 | 0.78 |
| 22.0   | 30   | 3.02                       | 2.06 | 0.57 | 2.91 | 2.02 | 0.63 | 2.79 | 1.97 | 0.68 | 2.74 | 1.96 | 0.70 | 2.67 | 1.93 | 0.73 | 2.56 | 1.89 | 0.79 |
| 24.0   | 32   | 3.14                       | 2.01 | 0.58 | 3.02 | 1.97 | 0.63 | 2.90 | 1.93 | 0.68 | 2.86 | 1.91 | 0.71 | 2.79 | 1.89 | 0.74 | 2.67 | 1.85 | 0.79 |

**Heating**      **50Hz 220-240V**

|     |   |
|-----|---|
| AFR | 9 |
|-----|---|

| Indoor |  | Outdoor temperature (°CWB) |      |      |      |      |      |      |      |      |      |
|--------|--|----------------------------|------|------|------|------|------|------|------|------|------|
| EDB    |  | -10                        |      | -5   |      | 0    |      | 6    |      | 10   |      |
| (°C)   |  | TC                         | PI   | TC   | PI   | TC   | PI   | TC   | PI   | TC   | PI   |
| 15.0   |  | 2.15                       | 0.78 | 2.52 | 0.82 | 2.88 | 0.85 | 3.31 | 0.90 | 3.60 | 0.93 |
| 20.0   |  | 2.04                       | 0.80 | 2.41 | 0.84 | 2.77 | 0.87 | 3.20 | 0.92 | 3.49 | 0.95 |
| 22.0   |  | 2.00                       | 0.81 | 2.36 | 0.84 | 2.72 | 0.88 | 3.16 | 0.93 | 3.44 | 0.96 |
| 24.0   |  | 1.96                       | 0.82 | 2.32 | 0.85 | 2.68 | 0.89 | 3.11 | 0.94 | 3.40 | 0.97 |
| 25.0   |  | 1.93                       | 0.82 | 2.29 | 0.86 | 2.66 | 0.90 | 3.09 | 0.94 | 3.38 | 0.97 |
| 27.0   |  | 1.89                       | 0.83 | 2.25 | 0.87 | 2.61 | 0.90 | 3.05 | 0.95 | 3.33 | 0.98 |

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**SYMBOLS**

|      |                           |                        |
|------|---------------------------|------------------------|
| AFR: | Air flow rate             | (m <sup>3</sup> /min.) |
| BF:  | Bypass factor             |                        |
| EWB: | Entering wet bulb temp.   | (°C)                   |
| EDB: | Entering dry bulb temp.   | (°C)                   |
| TC:  | Total capacity            | (kW)                   |
| SHC: | Sensible heating capacity | (kW)                   |
| PI:  | Power input               | (kW)                   |

**NOTES**

- Capacities are based on the following conditions:  
(1) Corresponding refrigerant piping length : 5m  
(2) Level difference : 0m
-  shows nominal (rated) capacities and power input.