

## Cooling

50Hz 220-240V

|     |      |
|-----|------|
| AFR | 8.5  |
| BF  | 0.11 |

| 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  | 3.59                       | 2.54 | 0.78 | 3.42 | 2.46 | 0.86 | 3.26 | 2.37 | 0.93 | 3.19 | 2.34 | 0.96 | 3.10 | 2.29 | 1.01 | 2.93 | 2.21 | 1.08 |  |  |
| 16.0   | 22  | 3.75                       | 2.50 | 0.79 | 3.58 | 2.42 | 0.86 | 3.42 | 2.34 | 0.94 | 3.36 | 2.31 | 0.97 | 3.26 | 2.26 | 1.01 | 3.10 | 2.18 | 1.09 |  |  |
| 18.0   | 25  | 3.91                       | 2.60 | 0.79 | 3.75 | 2.52 | 0.87 | 3.58 | 2.45 | 0.94 | 3.52 | 2.42 | 0.97 | 3.42 | 2.37 | 1.02 | 3.26 | 2.30 | 1.09 |  |  |
| 19.0   | 27  | 3.99                       | 2.72 | 0.79 | 3.83 | 2.65 | 0.87 | 3.66 | 2.57 | 0.94 | 3.60 | 2.55 | 0.97 | 3.50 | 2.50 | 1.02 | 3.34 | 2.43 | 1.10 |  |  |
| 22.0   | 30  | 4.23                       | 2.61 | 0.80 | 4.07 | 2.55 | 0.88 | 3.90 | 2.49 | 0.95 | 3.84 | 2.46 | 0.98 | 3.74 | 2.43 | 1.03 | 3.58 | 2.36 | 1.10 |  |  |
| 24.0   | 32  | 4.39                       | 2.54 | 0.81 | 4.23 | 2.48 | 0.88 | 4.07 | 2.42 | 0.96 | 4.00 | 2.40 | 0.99 | 3.90 | 2.37 | 1.03 | 3.74 | 2.31 | 1.11 |  |  |

## Heating

50Hz 220-240V

|     |     |
|-----|-----|
| AFR | 9.4 |
|-----|-----|

| Indoor |      |      | Outdoor temperature (°CWB) |      |      |      |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| EDB    | -25  |      | -20                        |      | -15  |      | -10  |      | -5   |      | 0    |      | 6    |      | 10   |      |
| °C     | TC   | PI   | TC                         | PI   | TC   | PI   | TC   | PI   | TC   | PI   | TC   | PI   | TC   | PI   | TC   | PI   |
| 15.0   | 1.39 | 1.00 | 1.79                       | 1.05 | 2.19 | 1.10 | 2.59 | 1.15 | 2.99 | 1.20 | 4.05 | 1.13 | 4.66 | 1.19 | 5.06 | 1.23 |
| 20.0   | 1.28 | 1.03 | 1.68                       | 1.08 | 2.08 | 1.13 | 2.48 | 1.18 | 2.88 | 1.23 | 3.89 | 1.16 | 4.50 | 1.22 | 4.91 | 1.26 |
| 22.0   | 1.22 | 1.04 | 1.62                       | 1.09 | 2.02 | 1.14 | 2.42 | 1.19 | 2.82 | 1.24 | 3.83 | 1.17 | 4.44 | 1.23 | 4.84 | 1.27 |
| 24.0   | 1.16 | 1.05 | 1.56                       | 1.10 | 1.96 | 1.15 | 2.36 | 1.20 | 2.76 | 1.25 | 3.77 | 1.18 | 4.38 | 1.24 | 4.78 | 1.28 |
| 25.0   | 1.13 | 1.06 | 1.53                       | 1.11 | 1.93 | 1.16 | 2.33 | 1.21 | 2.73 | 1.26 | 3.73 | 1.19 | 4.34 | 1.25 | 4.75 | 1.29 |
| 27.0   | 1.08 | 1.07 | 1.47                       | 1.12 | 1.87 | 1.17 | 2.27 | 1.22 | 2.67 | 1.27 | 3.67 | 1.20 | 4.28 | 1.26 | 4.69 | 1.30 |

3D080552

## 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

- Ratings shown are net capacities which include a deduction for indoor fan motor heat.
- shows nominal (rated) capacities and power input.
- TC, PI and SHC must be calculated by interpolation using the figures in the above tables.  
(Figures out of the tables should not be used for calculation.)
- About SHC which are not mentioned on the table, please calculate them with around values in direct proportion.
- Capacities are based on the following conditions.  
Corresponding refrigerant piping length : 5 m  
Level difference : 0 m
- Air flow rate (AFR) and Bypass factor (BF) are tabulated above table.