

# Cooling 50Hz 220-240V

|     |      |
|-----|------|
| AFR | 7.6  |
| BF  | 0.32 |

| 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   | 2.52                       | 1.77 | 0.49 | 2.44 | 1.73 | 0.55 | 2.33 | 1.67 | 0.59 | 2.28 | 1.65 | 0.61 | 2.21 | 1.61 | 0.64 | 2.10 | 1.55 | 0.69 |
| 16.0   | 22   | 2.68                       | 1.76 | 0.50 | 2.56 | 1.71 | 0.55 | 2.44 | 1.65 | 0.60 | 2.40 | 1.63 | 0.62 | 2.33 | 1.59 | 0.65 | 2.21 | 1.54 | 0.69 |
| 18.0   | 25   | 2.79                       | 1.83 | 0.50 | 2.68 | 1.78 | 0.55 | 2.56 | 1.72 | 0.60 | 2.51 | 1.70 | 0.62 | 2.44 | 1.67 | 0.65 | 2.33 | 1.62 | 0.70 |
| 19.0   | 27   | 2.85                       | 1.91 | 0.51 | 2.73 | 1.86 | 0.55 | 2.62 | 1.81 | 0.60 | 2.57 | 1.79 | 0.62 | 2.50 | 1.76 | 0.65 | 2.38 | 1.71 | 0.70 |
| 22.0   | 30   | 3.02                       | 1.84 | 0.51 | 2.91 | 1.79 | 0.56 | 2.79 | 1.75 | 0.61 | 2.74 | 1.73 | 0.63 | 2.67 | 1.70 | 0.65 | 2.56 | 1.66 | 0.70 |
| 24.0   | 32   | 3.14                       | 1.79 | 0.51 | 3.02 | 1.74 | 0.56 | 2.90 | 1.70 | 0.61 | 2.86 | 1.68 | 0.63 | 2.79 | 1.66 | 0.66 | 2.67 | 1.62 | 0.71 |

# Heating 50Hz 220-240V

|     |     |
|-----|-----|
| AFR | 9.2 |
|-----|-----|

| Indoor |  | Outdoor temperature (°CWB) |      |      |      |      |      |      |      |      |      |
|--------|--|----------------------------|------|------|------|------|------|------|------|------|------|
| EDB    |  | -10                        |      | -5   |      | 0    |      | 6    |      | 10   |      |
| (°C)   |  | TC                         | PI   | TC   | PI   | TC   | PI   | TC   | PI   | TC   | PI   |
| 15.0   |  | 2.29                       | 0.83 | 2.67 | 0.87 | 3.06 | 0.91 | 3.52 | 0.96 | 3.82 | 0.99 |
| 20.0   |  | 2.17                       | 0.85 | 2.56 | 0.89 | 2.94 | 0.93 | 3.40 | 0.98 | 3.71 | 1.01 |
| 22.0   |  | 2.12                       | 0.86 | 2.51 | 0.90 | 2.89 | 0.94 | 3.35 | 0.99 | 3.66 | 1.02 |
| 24.0   |  | 2.08                       | 0.87 | 2.46 | 0.91 | 2.85 | 0.95 | 3.31 | 1.00 | 3.61 | 1.03 |
| 25.0   |  | 2.05                       | 0.87 | 2.44 | 0.91 | 2.82 | 0.95 | 3.28 | 1.00 | 3.59 | 1.03 |
| 27.0   |  | 2.01                       | 0.88 | 2.39 | 0.92 | 2.77 | 0.96 | 3.24 | 1.01 | 3.54 | 1.04 |

3D055037D

## 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:
  - Corresponding refrigerant piping length : 5m
  - Level difference : 0m
-  shows nominal (rated) capacities and power input.