

ATXC35C/ARXC35C

Cooling: 220 - 240V 50Hz

|     |      |
|-----|------|
| AFR | 10.8 |
| BF  | 0.14 |

| Indoor Temperature |     | Outdoor Temperature [°C DB] |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|--------------------|-----|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 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                 | 20  | 3.59                        | 2.80 | 0.81 | 3.42 | 2.71 | 0.89 | 3.26 | 2.62 | 0.97 | 3.19 | 2.59 | 1.00 | 3.10 | 2.53 | 1.05 | 2.93 | 2.44 | 1.13 |
| 16                 | 22  | 3.75                        | 2.75 | 0.82 | 3.58 | 2.66 | 0.89 | 3.42 | 2.58 | 0.98 | 3.36 | 2.55 | 1.01 | 3.26 | 2.49 | 1.05 | 3.10 | 2.42 | 1.13 |
| 18                 | 25  | 3.91                        | 2.87 | 0.82 | 3.75 | 2.80 | 0.90 | 3.58 | 2.71 | 0.98 | 3.52 | 2.68 | 1.01 | 3.42 | 2.63 | 1.06 | 3.25 | 2.56 | 1.14 |
| 19                 | 27  | 3.99                        | 3.01 | 0.82 | 3.83 | 2.94 | 0.90 | 3.66 | 2.87 | 0.98 | 3.60 | 2.83 | 1.01 | 3.50 | 2.79 | 1.06 | 3.34 | 2.72 | 1.14 |
| 22                 | 30  | 4.23                        | 2.90 | 0.83 | 4.07 | 2.84 | 0.91 | 3.90 | 2.77 | 0.99 | 3.84 | 2.75 | 1.02 | 3.74 | 2.71 | 1.07 | 3.58 | 2.64 | 1.15 |
| 24                 | 32  | 4.39                        | 2.83 | 0.84 | 4.23 | 2.77 | 0.91 | 4.07 | 2.71 | 1.00 | 4.00 | 2.68 | 1.03 | 3.90 | 2.64 | 1.07 | 3.74 | 2.58 | 1.15 |

Heating: 220 - 240V 50Hz

|     |      |
|-----|------|
| AFR | 10.8 |
|-----|------|

| Indoor Temperature |  | Outdoor Temperature [°C WB] |      |      |      |      |      |      |      |      |      |      |      |
|--------------------|--|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|
| EDB                |  | -15                         |      | -10  |      | -5   |      | 0    |      | 6    |      | 10   |      |
| °C                 |  | TC                          | PI   | TC   | PI   | TC   | PI   | TC   | PI   | TC   | PI   | TC   | PI   |
| 15                 |  | 1.90                        | 0.69 | 2.29 | 0.72 | 2.67 | 0.76 | 3.06 | 1.00 | 4.14 | 1.05 | 4.50 | 1.09 |
| 20                 |  | 1.79                        | 0.71 | 2.17 | 0.74 | 2.56 | 0.78 | 2.95 | 1.02 | 4.00 | 1.08 | 4.36 | 1.11 |
| 22                 |  | 1.74                        | 0.72 | 2.13 | 0.75 | 2.51 | 0.79 | 2.90 | 1.03 | 3.94 | 1.08 | 4.31 | 1.12 |
| 24                 |  | 1.69                        | 0.72 | 2.08 | 0.76 | 2.46 | 0.80 | 2.84 | 1.04 | 3.89 | 1.09 | 4.25 | 1.13 |
| 25                 |  | 1.67                        | 0.73 | 2.05 | 0.76 | 2.44 | 0.80 | 2.83 | 1.05 | 3.86 | 1.10 | 4.22 | 1.13 |
| 27                 |  | 1.62                        | 0.73 | 2.01 | 0.78 | 2.39 | 0.81 | 2.78 | 1.05 | 3.81 | 1.11 | 4.17 | 1.14 |

SYMBOLS

AFR : Air flow rate (m³ /min.)

BF : Bypass factor

EWB : Entering wet bulb temp. (°C)

EDB : Entering dry bulb temp. (°C)

TC : Total capacity (kW)

SHC : Sensible heat capacity (kW)

PI : Power input (kW)

NOTES

1.  shows nominal (rated) capacities and power input.

2. TC, PI and SHC must be calculated by interpolation using the figures in the above tables.

3. Capacities are based on the following conditions.

Corresponding refrigerant piping length: 7.5m

Level difference: 0.0m