

|  |                 |        |                                      |
|--|-----------------|--------|--------------------------------------|
| manufacturer: ait-deutschland GmbH   |                 |        |                                      |
| Model  | cBoxX 40        |        |                                      |
| Option high-temperature  | No              |        |                                      |
| Voltage <sup>1</sup>   | 400/3/50        |        |                                      |
| Type of condensing   | air-cooled      |        |                                      |
| Refrigerant fluid  | R410A           |        |                                      |
|  |                 |        |                                      |
| Item   | Symbol          | Value  | Unit                                 |
| Operating temperature  | t               | -8     | °C                                   |
| Seasonal energy performance ratio  | JAZ             | 3,22   |                                      |
| Annual electricity consumption   | Q               | 38.942 | kWh/a                                |
|  |                 |        |                                      |
| Parameters at full load and reference ambient temperature at rating point A  |                 |        |                                      |
| Rated refrigeration capacity   | P <sub>A</sub>  | 16,92  | kW                                   |
| Rated power input  | D <sub>A</sub>  | 10,19  | kW                                   |
| Rated energy efficiency ratio  | LZ <sub>A</sub> | 1,66   |                                      |
|  |                 |        |                                      |
| Parameters at rating point B   |                 |        |                                      |
| Declared refrigeration capacity  | P <sub>B</sub>  | 19,39  | kW                                   |
| Declared power input   | D <sub>B</sub>  | 8,38   | kW                                   |
| Declared energy efficiency ratio   | LZ <sub>B</sub> | 2,31   |                                      |
|  |                 |        |                                      |
| Parameters at rating point C   |                 |        |                                      |
| Declared refrigeration capacity  | P <sub>C</sub>  | 21,70  | kW                                   |
| Declared power input   | D <sub>C</sub>  | 7,03   | kW                                   |
| Declared energy efficiency ratio   | LZ <sub>C</sub> | 3,09   |                                      |
|  |                 |        |                                      |
| Parameters at rating point D   |                 |        |                                      |
| Declared refrigeration capacity  | P <sub>D</sub>  | 23,68  | kW                                   |
| Declared power input   | D <sub>D</sub>  | 5,81   | kW                                   |
| Declared energy efficiency ratio   | LZ <sub>D</sub> | 4,08   |                                      |
|  |                 |        |                                      |
| Other Items  |                 |        |                                      |
| Capacity control   | fixed           |        |                                      |
| Degradation coefficient for fixed and staged capacity units (rating point B) | MK              | 0,97   |                                      |
| Degradation coefficient for fixed and staged capacity units (rating point C) | MK              | 0,97   |                                      |
| Degradation coefficient for fixed and staged capacity units (rating point D) | MK              | 0,96   |                                      |
| GWP of the refrigerant   |                 | 2088   | kg CO <sub>2</sub> eq<br>(100 years) |

<sup>1</sup> The voltage refers to the operating voltage of the main components and can deviate from the supply voltage by using a transformer.

