

|  |                 |        |                                      |
|--|-----------------|--------|--------------------------------------|
| manufacturer: ait-deutschland GmbH   |                 |        |                                      |
| Model  | cBoxX 90        |        |                                      |
| Option high-temperature  | No              |        |                                      |
| Voltage <sup>1</sup>   | 400/3/50        |        |                                      |
| Type of condensing   | water-cooled    |        |                                      |
| Refrigerant fluid  | R410A           |        |                                      |
|  |                 |        |                                      |
| Item   | Symbol          | Value  | Unit                                 |
| Operating temperature  | t               | -8     | °C                                   |
| Seasonal energy performance ratio  | JAZ             | 3,95   |                                      |
| Annual electricity consumption   | Q               | 79.322 | kWh/a                                |
|  |                 |        |                                      |
| Parameters at full load and reference ambient temperature at rating point A  |                 |        |                                      |
| Rated refrigeration capacity   | P <sub>A</sub>  | 42,28  | kW                                   |
| Rated power input  | D <sub>A</sub>  | 18,95  | kW                                   |
| Rated energy efficiency ratio  | LZ <sub>A</sub> | 2,23   |                                      |
|  |                 |        |                                      |
| Parameters at rating point B   |                 |        |                                      |
| Declared refrigeration capacity  | P <sub>B</sub>  | 47,20  | kW                                   |
| Declared power input   | D <sub>B</sub>  | 15,72  | kW                                   |
| Declared energy efficiency ratio   | LZ <sub>B</sub> | 3,00   |                                      |
|  |                 |        |                                      |
| Parameters at rating point C   |                 |        |                                      |
| Declared refrigeration capacity  | P <sub>C</sub>  | 50,72  | kW                                   |
| Declared power input   | D <sub>C</sub>  | 13,55  | kW                                   |
| Declared energy efficiency ratio   | LZ <sub>C</sub> | 3,74   |                                      |
|  |                 |        |                                      |
| Parameters at rating point D   |                 |        |                                      |
| Declared refrigeration capacity  | P <sub>D</sub>  | 54,44  | kW                                   |
| Declared power input   | D <sub>D</sub>  | 11,20  | kW                                   |
| Declared energy efficiency ratio   | LZ <sub>D</sub> | 4,86   |                                      |
|  |                 |        |                                      |
| Other Items  |                 |        |                                      |
| Capacity control   | staged          |        |                                      |
| 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.