

|   |                     |        |                                      |
|---|---------------------|--------|--------------------------------------|
| manufacturer: ait-deutschland GmbH  |                     |        |                                      |
| Model   | cBoxX 50            |        |                                      |
| 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                   | 7      | °C                                   |
| Seasonal energy performance ratio   | SEPR                | 4,87   |                                      |
| Annual electricity consumption  | Q                   | 55.671 | kWh/a                                |
|   |                     |        |                                      |
| Parameters at full load and reference ambient temperature at rating point A |                     |        |                                      |
| Rated refrigeration capacity  | P <sub>A</sub>      | 36,59  | kW                                   |
| Rated power input   | D <sub>A</sub>      | 14,12  | kW                                   |
| Rated energy efficiency ratio   | EER <sub>DC,A</sub> | 2,59   |                                      |
|   |                     |        |                                      |
| Parameters at rating point B  |                     |        |                                      |
| Declared refrigeration capacity   | P <sub>B</sub>      | 41,32  | kW                                   |
| Declared power input  | D <sub>B</sub>      | 11,80  | kW                                   |
| Declared energy efficiency ratio  | EER <sub>DC,B</sub> | 3,50   |                                      |
|   |                     |        |                                      |
| Parameters at rating point C  |                     |        |                                      |
| Declared refrigeration capacity   | P <sub>C</sub>      | 45,24  | kW                                   |
| Declared power input  | D <sub>C</sub>      | 9,79   | kW                                   |
| Declared energy efficiency ratio  | EER <sub>DC,C</sub> | 4,62   |                                      |
|   |                     |        |                                      |
| Parameters at rating point D  |                     |        |                                      |
| Declared refrigeration capacity   | P <sub>D</sub>      | 49,03  | kW                                   |
| Declared power input  | D <sub>D</sub>      | 8,01   | kW                                   |
| Declared energy efficiency ratio  | EER <sub>DC,D</sub> | 6,12   |                                      |
|   |                     |        |                                      |
| Other Items   |                     |        |                                      |
| Capacity control  | fixed               |        |                                      |
| Degradation co-efficient chillers (rating point B)                          | C <sub>dc</sub>     | 0,98   |                                      |
| Degradation co-efficient chillers (rating point C)                          | C <sub>dc</sub>     | 0,98   |                                      |
| Degradation co-efficient chillers (rating point D)                          | C <sub>dc</sub>     | 0,97   |                                      |
| 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.