

| | | | |
|---|---------------------|--------|--------------------------------------|
| manufacturer: ait-deutschland GmbH | | | |
| Model | cBoxX 40 | | |
| Option high-temperature | No | | |
| Voltage ¹ | 400/3/50 | | |
| Type of condensing | water-cooled | | |
| Refrigerant fluid | R410A | | |
| | | | |
| Item | Symbol | Value | Unit |
| Operating temperature | t | 7 | °C |
| Seasonal energy performance ratio | SEPR | 7,27 | |
| Annual electricity consumption | Q | 33.397 | kWh/a |
| | | | |
| Parameters at full load and reference ambient temperature at rating point A | | | |
| Rated refrigeration capacity | P _A | 32,78 | kW |
| Rated power input | D _A | 8,68 | kW |
| Rated energy efficiency ratio | EER _{DC,A} | 3,78 | |
| | | | |
| Parameters at rating point B | | | |
| Declared refrigeration capacity | P _B | 36,42 | kW |
| Declared power input | D _B | 7,11 | kW |
| Declared energy efficiency ratio | EER _{DC,B} | 5,12 | |
| | | | |
| Parameters at rating point C | | | |
| Declared refrigeration capacity | P _C | 39,06 | kW |
| Declared power input | D _C | 5,83 | kW |
| Declared energy efficiency ratio | EER _{DC,C} | 6,70 | |
| | | | |
| Parameters at rating point D | | | |
| Declared refrigeration capacity | P _D | 41,92 | kW |
| Declared power input | D _D | 4,19 | kW |
| Declared energy efficiency ratio | EER _{DC,D} | 10,01 | |
| | | | |
| Other Items | | | |
| Capacity control | fixed | | |
| Degradation co-efficient chillers (rating point B) | C _{dc} | 0,95 | |
| Degradation co-efficient chillers (rating point C) | C _{dc} | 0,94 | |
| Degradation co-efficient chillers (rating point D) | C _{dc} | 0,91 | |
| GWP of the refrigerant | | 2088 | kg CO ₂ eq (100 years) |

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