

Eco-Design-Regulation EU 2016/2281

Requirements for the documentation
(Appendix 2 / Chapter 5 / Table 15)

Product data

| | |
|----------------------|-------------|
| Unit | weco 24.1 |
| Type of liquefaction | W |
| Refrigerant/GWP | R513A / 631 |

| | Symbol | Value | Unit |
|---------------------------------------|----------|------------|-------|
| Operating temperature | t | 7 | °C |
| Seasonal energy performance ratio | SEPR | 5,43 | --- |
| Annual energy consumption | Q | 148.958,93 | kWh/a |
| Reduction factor C_{dc} of chillers | C_{dc} | 0,9 | --- |
| Power regulation | --- | abgestuft | --- |

Parameter at full load and reference temperature at assessment point A

| | | | |
|------------------------------|--------------|--------|-----|
| Rated refrigeration capacity | P_A | 109,20 | kW |
| Rated power consumption | D_A | 35,27 | kW |
| Energy efficiency ratio | $EER_{DC,A}$ | 3,10 | --- |

Parameter at assessment point B

| | | | |
|----------------------------------|--------------|--------|-----|
| Declared cooling capacity | P_B | 101,92 | kW |
| Declared power consumption | D_B | 29,07 | kW |
| Declared energy efficiency ratio | $EER_{DC,B}$ | 4,09 | --- |

Parameter at assessment point C

| | | | |
|----------------------------------|--------------|-------|-----|
| Declared cooling capacity | P_C | 94,64 | kW |
| Declared power consumption | D_C | 25,07 | kW |
| Declared energy efficiency ratio | $EER_{DC,C}$ | 5,12 | --- |

Parameter at assessment point D

| | | | |
|----------------------------------|--------------|-------|-----|
| Declared cooling capacity | P_D | 87,36 | kW |
| Declared power consumption | D_D | 20,21 | kW |
| Declared energy efficiency ratio | $EER_{DC,D}$ | 6,51 | --- |