

eco-design-regulation EU 2016/2281

Requirements for the documentations
(appendix 2 / chapter 5 / table 15)

| Product data | | | |
|---|---------------|-----------------------|-------------|
| Unit | | omega.k/t 180 L -eco- | |
| Type of liquefaction | | L (air cooled) | |
| Refrigerant/GWP | | R410a/2088 | |
| | Symbol | Value | Unit |
| Operating temperature | t | 7 | °C |
| Seasonal energy performance ratio | SEPR | 5.12 | --- |
| Annual energy consumption | Q | 30,273 | kWh/a |
| Reduction factor C_{dc} of chillers | C_{dc} | --- | --- |
| Power regulation | --- | variabel | --- |
| Parameter at full load and reference temperature at assessment point A | | | |
| Rated refrigeration capacity | P_A | 20.90 | kW |
| Rated power consumption | D_A | 8.41 | kW |
| Power regulation | $EER_{DC,A}$ | 2.48 | --- |
| Parameter at assessment B | | | |
| Declared cooling capacity | P_B | 19.51 | kW |
| Declared power consumption | D_B | 5.70 | kW |
| Declared energy efficiency ration | $EER_{DC,B}$ | 3.42 | --- |
| Parameter at assessment C | | | |
| Declared cooling capacity | P_C | 18.11 | kW |
| Declared power consumption | D_C | 3.71 | kW |
| Declared energy efficiency ration | $EER_{DC,C}$ | 4.88 | --- |
| Parameter at assessment D | | | |
| Declared cooling capacity | P_D | 16.72 | kW |
| Declared power consumption | D_D | 2.60 | kW |
| Declared energy efficiency ration | $EER_{DC,D}$ | 6.43 | --- |