

# eco-design-regulation EU 2016/2281

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

<b>Product data</b>			
Unit		omega.k/t 450 L -eco-	
Type of liquefaction		L (air cooled)	
Refrigerant/GWP		R410a/2088	
	<b>Symbol</b>	<b>Value</b>	<b>Unit</b>
Operating temperature	t	7	°C
Seasonal energy performance ratio	SEPR	6.00	---
Annual energy consumption	Q	40,252	kWh/a
Reduction factor $C_{dc}$ of chillers	$C_{dc}$	---	---
Power regulation	---	variabel	---
<b>Parameter at full load and reference temperature at assessment point A</b>			
Rated refrigeration capacity	$P_A$	32.62	kW
Rated power consumption	$D_A$	11.38	kW
Power regulation	$EER_{DC,A}$	2.86	---
<b>Parameter at assessment B</b>			
Declared cooling capacity	$P_B$	30.44	kW
Declared power consumption	$D_B$	7.69	kW
Declared energy efficiency ration	$EER_{DC,B}$	3.96	---
<b>Parameter at assessment C</b>			
Declared cooling capacity	$P_C$	28.27	kW
Declared power consumption	$D_C$	5.04	kW
Declared energy efficiency ration	$EER_{DC,C}$	5.61	---
<b>Parameter at assessment D</b>			
Declared cooling capacity	$P_D$	26.09	kW
Declared power consumption	$D_D$	3.35	kW
Declared energy efficiency ration	$EER_{DC,D}$	7.78	---