

Information requirements for high temperature process chillers

Model: UC 24

Type of condensing: Air-cooled

Refrigerant fluid: R410A

Item	Symbol	Value	Unit
Operating temperature	t	7	°C
Seasonal energy performance ratio	SEPR	5,63	[-]
Annual electricity consumption	Q	26720	kWh/a

Parameters at full load and reference ambient temperature at rating point A

Rated refrigeration capacity	PA	20,30	kW
Rated power input	DA	8,50	kW
Rated energy efficiency ratio	EERDC,A	2,37	[-]

Parameters at rating point B

Rated refrigeration capacity	PB	18,95	kW
Rated power input	DB	5,46	kW
Rated energy efficiency ratio	EERDC,B	3,44	[-]

Parameters at rating point C

Rated refrigeration capacity	PC	17,59	kW
Rated power input	DC	3,49	kW
Rated energy efficiency ratio	EERDC,C	5,00	[-]

Parameters at rating point D

Rated refrigeration capacity	PD	16,24	kW
Rated power input	DD	2,00	kW
Rated energy efficiency ratio	EERDC,D	8,05	[-]

Other items

Capacity control	Variable		
Degradation co-efficient chillers	Cdc	0,90	[-]
GWP of the refrigerant		2088	kg CO <sub>2</sub> eq (100 years)
Contact details	LAUDA Ultracool S.L. - C/ Colom 606, 08228 Terrassa (Barcelona), España		