

Information requirements for high temperature process chillers

Model: UC 65

Type of condensing: Air-cooled

Refrigerant fluid: R410A

Item	Symbol	Value	Unit
Operating temperature	t	7	°C
Seasonal energy performance ratio	SEPR	5,16	[-]
Annual electricity consumption	Q	79118	kWh/a

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

Rated refrigeration capacity	PA	55,10	kW
Rated power input	DA	20,49	kW
Rated energy efficiency ratio	EERDC,A	2,67	[-]

Parameters at rating point B

Rated refrigeration capacity	PB	51,43	kW
Rated power input	DB	13,91	kW
Rated energy efficiency ratio	EERDC,B	3,67	[-]

Parameters at rating point C

Rated refrigeration capacity	PC	47,75	kW
Rated power input	DC	9,77	kW
Rated energy efficiency ratio	EERDC,C	4,85	[-]

Parameters at rating point D

Rated refrigeration capacity	PD	44,08	kW
Rated power input	DD	6,86	kW
Rated energy efficiency ratio	EERDC,D	6,38	[-]

Other items

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