

## PRODUCT DATA SHEET

### Ultracool UC 14

LAUDA Ultracool circulation chillers provide precise temperature control in an extended operating temperature range from -10 to 35 °C and a temperature stability of  $\pm 0.5$  K. The protection class IP 54 enables outdoor installation, a standard fan control enables operation at ambient temperatures down to -15 °C and reduces noise pollution. LAUDA has been able to reduce the footprint even further compared to comparable previous models. The circulation chillers have an Ethernet interface as standard and can be adapted to any customer-specific requirement thanks to numerous options such as speed-controlled pumps or flow meters. The bifrequency power supply (50/60 Hz) allows the same model types to be used worldwide.



Working temperature min.  
-10 °C



Working temperature max.  
35 °C

#### Technical Attributes

#### Ultracool UC 14

Working temperature min.	-10 °C
Working temperature max.	35 °C
Ambient temperature min.	-15 °C
Ambient temperature max.	50 °C
Temperature stability	0.5 $\pm$ K
Cooling output at 25°C water outlet temperature	22.4 kW
Cooling output at 20°C water outlet temperature	20.3 kW
Cooling output at 15°C water outlet temperature	18.4 kW
Cooling output at 10°C water outlet temperature	15.8 kW
Cooling output at 5°C water outlet temperature	13.4 kW
Cooling output at 0°C water outlet temperature	11.1 kW
Cooling output at -5°C water outlet temperature	9.3 kW
Cooling output at -10°C water outlet temperature	7.6 kW
Number of refrigeration circuits	1
Application	external

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Dr. Marc Stricker  
Beirat: Dr. Gerhard Wobser

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Power consumption	5.1 kW
Pump pressure max.	4.2 bar
Pump pressure nominal	3.7 bar
Pump flow max. (pressure)	130 L/min
Pump flow nominal	43.8 L/min
Pump connection thread	Rp 1
Volume water reservoir	35 L
Dimensions (WxDxH) in mm	720x910x1250
Noise level	64.7 dB(A)
Max. fuse	25 A

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