

## PRODUCT DATA SHEET

### Ultracool UC 50

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

Working temperature min.

Working temperature max.

Ambient temperature min.

Ambient temperature max.

Temperature stability

Cooling output at 25°C water outlet temperature

Cooling output at 20°C water outlet temperature

Cooling output at 15°C water outlet temperature

Cooling output at 10°C water outlet temperature

Cooling output at 5°C water outlet temperature

Cooling output at 0°C water outlet temperature

Cooling output at -5°C water outlet temperature

Cooling output at -10°C water outlet temperature

Number of refrigeration circuits

Application

#### Ultracool UC 50

-10 °C

35 °C

-15 °C

50 °C

0.5  $\pm$  K

67.5 kW

65.6 kW

59.4 kW

51.2 kW

43.7 kW

36.4 kW

30.4 kW

25.2 kW

1

external

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Geschäftsführer:  
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Dr. Marc Stricker  
Beirat: Dr. Gerhard Wobser

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Technical Attributes	Ultracool UC 50
Power consumption	14.8 kW
Pump pressure max.	4.6 bar
Pump pressure nominal	3.3 bar
Pump flow max. (pressure)	230 L/min
Pump flow nominal	150 L/min
Pump connection thread	R <sub>p</sub> 1 1/2
Volume water reservoir	210 L
Dimensions (WxDxH) in mm	1040x1435x1890
Noise level	68.7 dB(A)
Max. fuse	50 A

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