

PRODUCT DATA SHEET

Published: 2026-06-22

LAUDA Ultracool UC 14 Circulation chiller
400 V; 3/PE; 50 Hz & 460 V; 3/PE; 60 Hz
Part Number: L004663

Features

- Highly efficient industrial chiller
- Operation possible via web server
- Temperature control is achieved via a PID controller.
- Industrial block pump with high pressure and high flow rate
- Integrated water filter
- Integrated Ethernet interface
- Operates with non flammable liquids (water, water/glycol)
- Meeting the energy efficiency requirements of the EcoDesign directive 2009/125/EC
- Utilizes natural refrigerants



Working temperature min.
-10 °C



Working temperature max.
35 °C

Reserve technical changes

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WEEE-Reg.-Nr.: DE 66 42 40 57

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Geschäftsführer:
Dr. Gunther Wobser (Vors.), Dr. Mario Englert,
Dr. Marc Stricker
Beirat: Dr. Gerhard Wobser

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Technical Features

Working temperature range	-10 ... 35 °C
Ambient temperature range	-20 ... 50 °C
Temperature stability	0.5 ± K
Filling volume max.	35 L
Pump Pressure max.	4,7 bar (50 Hz), 5,6 bar (60 Hz)
Pump Pressure nominal	3.2 bar (50 Hz); 5.5 bar (60 Hz)
Pump flow rate max. (pressure)	166 L/min (50 Hz); 128 L/min (60 Hz)
Pump flow rate nominal	43.8 L/min
In / Outlet connection thread (inside)	Rp 1
Overall dimensions (WxDxH)	720 x 910 x 1250 mm
Weight	164 kg
Noise level	64.7 dB(A)
Refrigerant stage 1	R-290 (GWP 3); 0.500 kg; 0.0 t CO2-eq
Minimum room size, depending on the refrigerant	66,0 m ³
SEPR	5.92
Power supply	400 V; 3/PE; 50 Hz & 460 V; 3/PE; 60 Hz
Power plug	---

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Temperature	Cooling Capacity 50 Hz	Cooling Capacity 60 Hz
25 °C	21.8 kW	21.8 kW
20 °C	19.7 kW	19.7 kW
15 °C	17.7 kW	17.7 kW
10 °C	15.4 kW	15.4 kW
5 °C	13.2 kW	13.2 kW
0 °C	11.3 kW	11.3 kW
-5 °C	9.5 kW	9.5 kW
-10 °C	7.9 kW	7.9 kW

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