

PRODUCT DATA SHEET

Published: 2026-08-20

LAUDA Ultracool UC 2

Circulation chiller 230 V; 50 Hz

Part Number: L004586

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

Kommanditgesellschaft: Sitz Lauda-Königshofen
Registergericht Mannheim • HRA 560069

Persönlich haftende Gesellschafterin:
LAUDA DR. R. WOBSEY Verwaltungs-GmbH
Sitz Lauda-Königshofen
Registergericht Mannheim • HRB 560226

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	-15 ... 50 °C
Temperature stability	0.5 ± K
Filling volume max.	12 L
Pump Pressure max.	3,4 bar
Pump Pressure nominal	3.3 bar
Pump flow rate max. (pressure)	42 L/min
Pump flow rate nominal	5.6 L/min
In / Outlet connection thread (inside)	Rp 1/2
Overall dimensions (WxDxH)	510 x 680 x 1042 mm
Weight	95 kg
Noise level	53.5 dB(A)
Refrigerant stage 1	R-290 (GWP 3); 0.220 kg; 0.0 t CO ₂ -eq
Minimum room size, depending on the refrigerant	29,0 m ³
SEPR	8.7
Power supply	230 V; 50 Hz
Power plug	Power cord without plug (HAR)

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Temperature	Cooling Capacity 50 Hz
25 °C	3.1 kW
20 °C	3.1 kW
15 °C	2.8 kW
10 °C	2.6 kW
5 °C	2 kW
0 °C	1.7 kW
-5 °C	1.4 kW
-10 °C	1.2 kW

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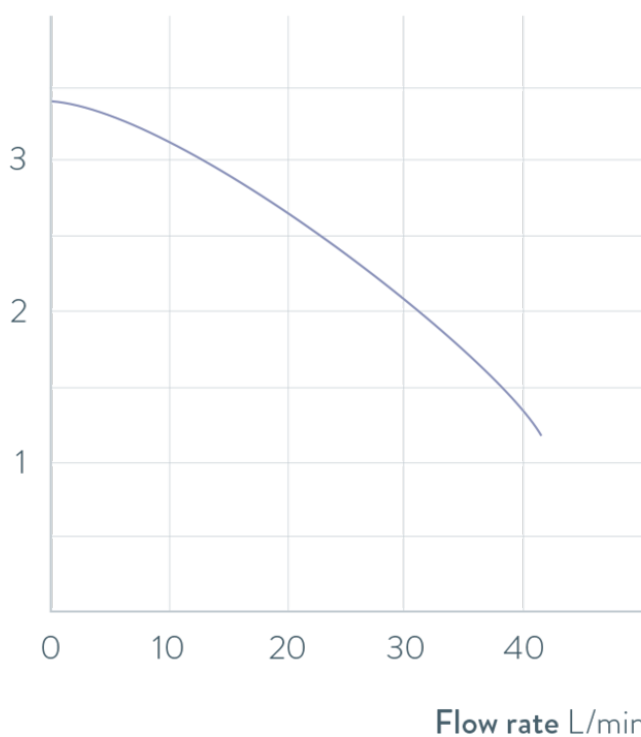
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Part Number: L004586

PUMP CHARACTERISTIC Heat transfer liquid: Water
Standard pump, 50 Hz
Pressure bar



UC 2, UC 4

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