

PRODUCT DATA SHEET

Standing: 2025-08-04

LAUDA Ultracool UC 2

Circulation chiller 230 V; 60 Hz

Part Number: L003533

Features

- Highly efficient industrial chiller
- Graphic LCD with clear text menu navigation
- Operation possible via web server
- Electronic 2-point temperature control
- Industrial block pump with high pressure and high flow rate
- Inlet and outlet water connections in stainless steel
- 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
- Condenser cooling Air

Options included

- Reinforced pump



Reserve technical changes



Working temperature min.
-10 °C



Working temperature max.
35 °C

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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

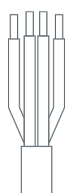
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Technical Features

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.	5,0 bar
Pump Pressure nominal	4.9 bar
Pump flow rate max. (pressure)	80 L/min
Pump flow rate nominal	5.6 L/min
In / Outlet connection thread (inside)	NPT 1/2
Overall dimensions (WxDxH)	510 x 680 x 1042 mm
Weight	101 kg
Noise level	53.5 dB(A)
Refrigerant stage 1	R-410A (GWP 2088); 0.670 kg; 1.4 t CO2-eq
SEPR	6.24
Power supply	230 V; 60 Hz
Power plug	Power cord without plug (HAR)



Power cord without plug (HAR)

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Temperature	Cooling Capacity 60 Hz
25 °C	3.1 kW
20 °C	3.1 kW
15 °C	2.8 kW
10 °C	2.4 kW
5 °C	2 kW
0 °C	1.7 kW
-5 °C	1.4 kW
-10 °C	1.2 kW

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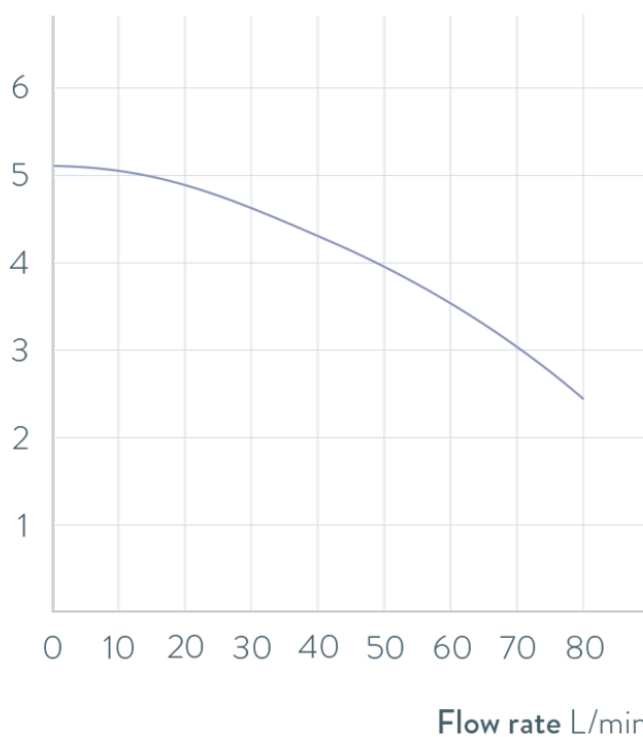
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PUMP CHARACTERISTIC Heat transfer liquid: Water
Reinforced pump, 60 Hz
Pressure bar



UC 2, UC 4

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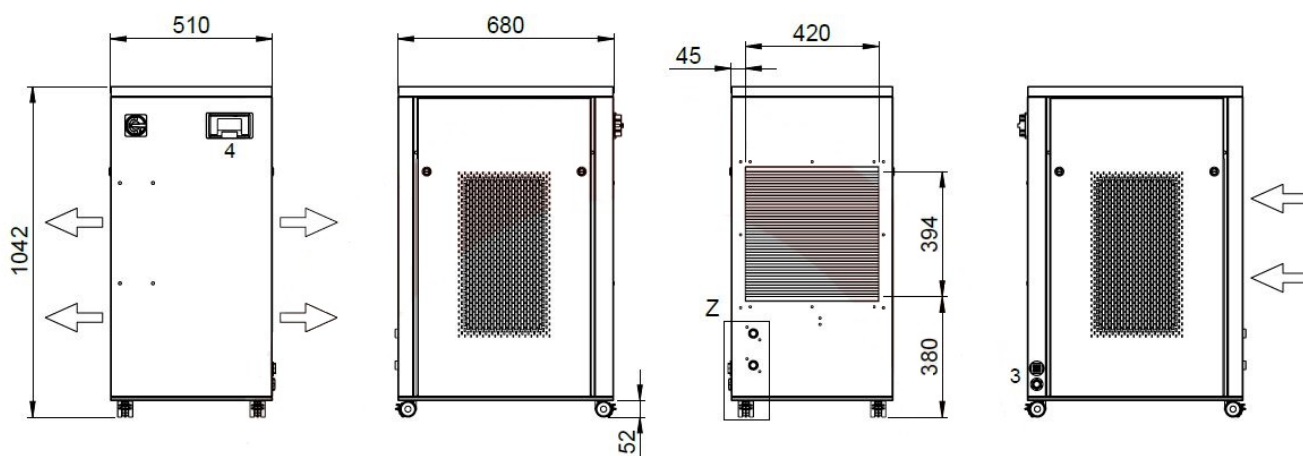
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