

PRODUCT DATA SHEET

Published: 2025-09-30

LAUDA Ultracool UC 50 W Circulation chiller
400 V; 3/PE; 50 Hz & 460 V; 3/PE; 60 Hz
Part Number: L003318

Features

- Highly efficient industrial chiller
- LCD remote control with 5 m cable
- Operation possible via web server
- Electronic 2-point temperature control
- Protection level IP 54 (for outdoor installation)
- Industrial block pump with high pressure and high flow rate
- Integrated water filter
- Integrated Ethernet interface
- Inlet and outlet water connections in stainless steel
- Operates with non flammable liquids (water, water/glycol)
- Meeting the energy efficiency requirements of the EcoDesign directive 2009/125/EC
- Condenser cooling Water



Options included

- Water cooled version (W)



Working temperature min.
-10 °C



Working temperature max.
35 °C

LAUDA DR. R. WOBSEY GMBH & CO. KG
Laudaplatz 1 • 97922 Lauda-Königshofen • DE

T + 49 (0) 9343 503-0
info@lauda.de • www.lauda.de
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	-20 ... 50 °C
Temperature stability	0.5 ± K
Filling volume max.	125 L
Pump Pressure max.	3,8 bar (50 Hz), 5,6 bar (60 Hz)
Pump Pressure nominal	3.1 bar (50 Hz); 5.0 bar (60 Hz)
Pump flow rate max. (pressure)	242 L/min (50 Hz); 292 L/min (60 Hz)
Pump flow rate nominal	150 L/min
In / Outlet connection thread (inside)	Rp 1 1/2
Water cooling connection thread (inside)	Rp 1 1/2
Overall dimensions (WxDxH)	1040 x 1435 x 1890 mm
Weight	410 kg
Noise level	68.7 dB(A)
Refrigerant stage 1	R-410A (GWP 2088); 6.000 kg; 12.5 t CO ₂ -eq
SEPR	7.08
Power supply	400 V; 3/PE; 50 Hz & 460 V; 3/PE; 60 Hz
Power plug	---

Reserve technical changes

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Temperature	Cooling Capacity 50 Hz	Cooling Capacity 60 Hz
25 °C	67.5 kW	67.5 kW
20 °C	65.6 kW	65.6 kW
15 °C	59.4 kW	59.4 kW
10 °C	51.2 kW	51.2 kW
5 °C	43.7 kW	43.7 kW
0 °C	36.4 kW	36.4 kW
-5 °C	30.4 kW	30.4 kW
-10 °C	25.2 kW	25.2 kW

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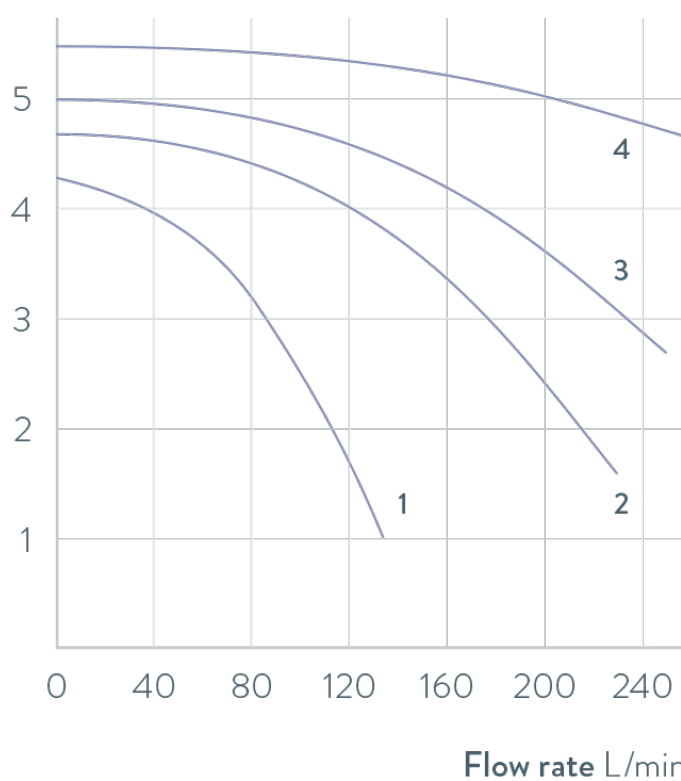
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PUMP CHARACTERISTIC Heat transfer liquid: Water

Pressure bar



- 4 UC 80, UC 100
- 3 UC 65
- 2 UC 50
- 1 UC 8, UC 14, UC 24

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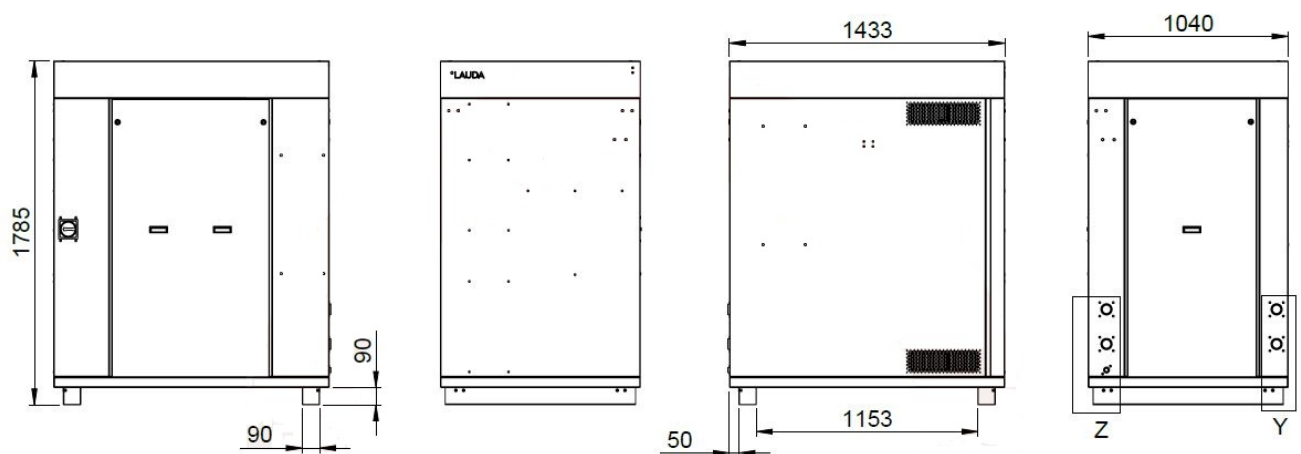
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