

PRODUCT DATA SHEET

Published: 2026-01-30

LAUDA Ultracool UC 8 Circulation chiller
400 V; 3/PE; 50 Hz & 460 V; 3/PE; 60 Hz
Part Number: L004662

Features

- Highly efficient industrial chiller
- Operation possible via web server
- Electronic 2-point temperature control
- 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
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Geschäftsführer:
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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.	3,9 bar (50 Hz), 5,6 bar (60 Hz)
Pump Pressure nominal	3.5 bar (50 Hz); 6.1 bar (60 Hz)
Pump flow rate max. (pressure)	105 L/min (50 Hz); 128 L/min (60 Hz)
Pump flow rate nominal	26.6 L/min
Overall dimensions (WxDxH)	720 x 910 x 1280 mm
Weight	150 kg
Refrigerant stage 1	R-290 (GWP 3); 0.360 kg; 0.0 t CO ₂ -eq
Minimum room size, depending on the refrigerant	47,5 m ³
Power supply	400 V; 3/PE; 50 Hz & 460 V; 3/PE; 60 Hz
Power plug	---

Reserve technical changes

Temperature	Cooling Capacity 50 Hz	Cooling Capacity 60 Hz
25 °C	14.1 kW	14.1 kW
20 °C	12.7 kW	12.7 kW
15 °C	11.3 kW	11.3 kW
10 °C	10.1 kW	10.1 kW
5 °C	8.7 kW	8.7 kW
0 °C	7.4 kW	7.4 kW
-5 °C	6.1 kW	6.1 kW
-10 °C	5 kW	5 kW

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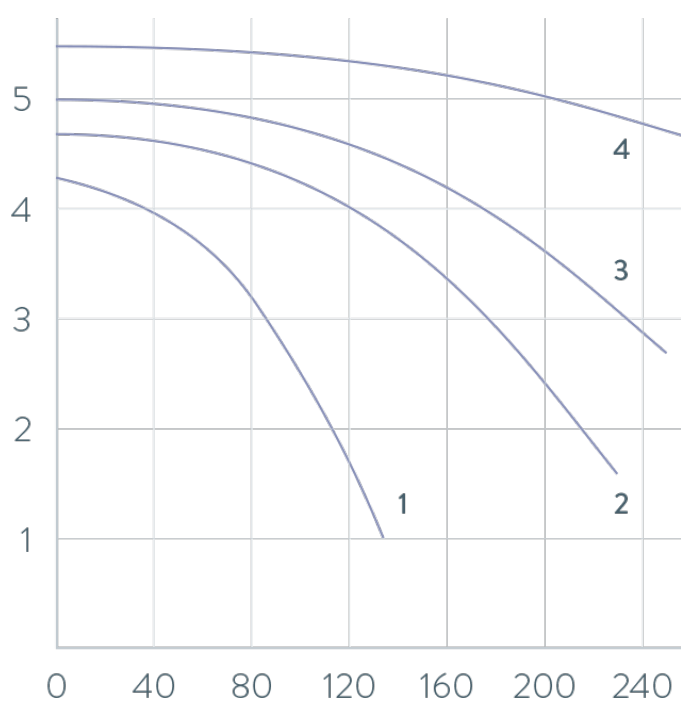
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PUMP CHARACTERISTIC Heat transfer liquid: Water

Pressure bar



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

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