

## PRODUCT DATA SHEET

Published: 2026-04-08

LAUDA Ultracool UC 80 Circulation chiller  
400 V; 3/PE; 50 Hz & 460 V; 3/PE; 60 Hz  
Part Number: L004665

### 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

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Kommanditgesellschaft: Sitz Lauda-Königshofen  
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Dr. Gunther Wobser (Vors.), Dr. Mario Englert,  
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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	1 ± K
Filling volume max.	125 L
Pump Pressure max.	5,3 bar (50 Hz), 7,5 bar (60 Hz)
Pump Pressure nominal	4.6 bar (50 Hz); 6.9 bar (60 Hz)
Pump flow rate max. (pressure)	367 L/min
Pump flow rate nominal	250 L/min
In / Outlet connection thread (inside)	Rp 2 1/2
Overall dimensions (WxDxH)	1256 x 1706 x 1905 mm
Weight	700 kg
Noise level	67.5 dB(A)
Refrigerant stage 1	R-290 (GWP 3); 2.750 kg; 0.0 t CO2-eq
Minimum room size, depending on the refrigerant	363,0 m <sup>3</sup>
SEPR	5.47
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	106.5 kW	106.5 kW
20 °C	103.6 kW	103.6 kW
15 °C	92.5 kW	92.5 kW
10 °C	79.8 kW	79.8 kW
5 °C	68.2 kW	68.2 kW
0 °C	57.9 kW	57.9 kW
-5 °C	48.7 kW	48.7 kW
-10 °C	40.6 kW	40.6 kW

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