

## PRODUCT DATA SHEET

Published: 2026-04-08

LAUDA Ultracool UC 65 Circulation chiller  
400 V; 3/PE; 50 Hz & 460 V; 3/PE; 60 Hz  
Part Number: L004591

### 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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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  
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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.	5,0 bar (50 Hz), 7,2 bar (60 Hz)
Pump Pressure nominal	3.3 bar (50 Hz); 5.7 bar (60 Hz)
Pump flow rate max. (pressure)	250 L/min (50 Hz); 300 L/min (60 Hz)
Pump flow rate nominal	196 L/min
In / Outlet connection thread (inside)	Rp 11/2
Overall dimensions (WxDxH)	1040 x 1435 x 1890 mm
Weight	440 kg
Noise level	69.5 dB(A)
Refrigerant stage 1	R-290 (GWP 3); 1.850 kg; 0.0 t CO <sub>2</sub> -eq
Minimum room size, depending on the refrigerant	244,2 m <sup>3</sup>
SEPR	5.51
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	95.5 kW	95.5 kW
20 °C	86 kW	86 kW
15 °C	77.2 kW	77.2 kW
10 °C	67.9 kW	67.9 kW
5 °C	58.5 kW	58.5 kW
0 °C	49.1 kW	49.1 kW
-5 °C	41.5 kW	41.5 kW
-10 °C	34.7 kW	34.7 kW

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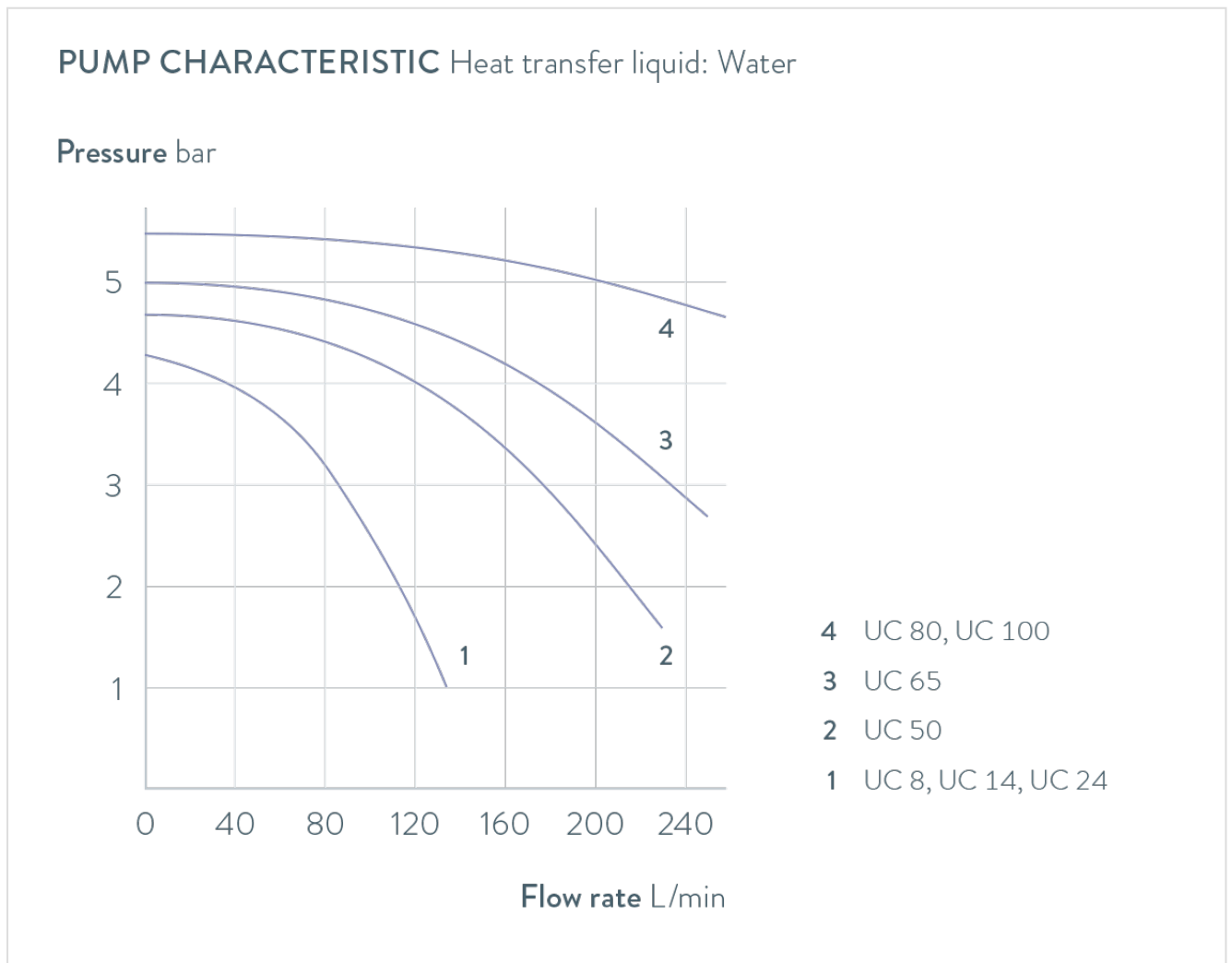
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