

PRODUCT DATA SHEET

Published: 2026-06-22

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

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 | 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 ³ |
| 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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