

PRODUCT DATA SHEET

Published: 2026-01-30

LAUDA Ultracool UC 14 Circulation chiller
400 V; 3/PE; 50 Hz & 460 V; 3/PE; 60 Hz
Part Number: L004663

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

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. | 35 L |
| Pump Pressure max. | 4,7 bar (50 Hz), 5,6 bar (60 Hz) |
| Pump Pressure nominal | 3.2 bar (50 Hz); 5.5 bar (60 Hz) |
| Pump flow rate max. (pressure) | 166 L/min (50 Hz); 128 L/min (60 Hz) |
| Pump flow rate nominal | 43.8 L/min |
| Overall dimensions (WxDxH) | 720 x 910 x 1250 mm |
| Weight | 175 kg |
| Refrigerant stage 1 | R-290 (GWP 3); 0.500 kg; 0.0 t CO ₂ -eq |
| Minimum room size, depending on the refrigerant | 66,0 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 | 21.8 kW | 21.8 kW |
| 20 °C | 19.7 kW | 19.7 kW |
| 15 °C | 17.7 kW | 17.7 kW |
| 10 °C | 15.4 kW | 15.4 kW |
| 5 °C | 13.2 kW | 13.2 kW |
| 0 °C | 11.3 kW | 11.3 kW |
| -5 °C | 9.5 kW | 9.5 kW |
| -10 °C | 7.9 kW | 7.9 kW |

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