

## PRODUCT DATA SHEET

Standing: 2022-04-27

LAUDA Ultracool UC 50

Circulation chiller 400 V; 3/PE; 50 Hz

Part Number: L002948

### Features

- Highly efficient industrial chiller
- LCD remote control with 5 m cable
- Operation possible via web server
- Electronic 2-point temperature control
- Protection level IP 54 (for outdoor installation)
- Industrial block pump with high pressure and high flow rate
- Integrated water filter
- Integrated Ethernet interface
- Inlet and outlet water connections in stainless steel
- Operates with non flammable liquids (water, water/glycol)
- Meeting the energy efficiency requirements of the EcoDesign directive 2009/125/EC
- Condenser cooling Air

### Options included

- Reinforced pump in stainless steel (5bar)



Working temperature min.  
-10 °C



Working temperature max.  
35 °C



Reserve technical changes

LAUDA DR. R. WOBSEY GMBH & CO. KG  
Laudaplatz 1 • 97922 Lauda-Königshofen • DE

T + 49 (0) 9343 503-0 • F + 49 (0) 9343 503-222  
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. Ralf Hermann, Dr. Marc Stricker  
Beirat: Dr. Gerhard Wobser

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### Technical Features

|  |   |
|--|---|
| Working temperature range              | -10 ... 35 °C   |
| Ambient temperature range              | -15 ... 50 °C   |
| Temperature stability                  | 0.5 ± K   |
| Filling volume max.                    | 210 L   |
| Pump Pressure max.                     | 6.5 bar   |
| Pump Pressure nominal                  | 5.5 bar   |
| Pump flow rate pressure max.           | 250 L/min   |
| Pump flow rate nominal                 | 150 L/min   |
| In / Outlet connection thread (inside) | Rp 1 1/2  |
| Overall dimensions (WxDxH)             | 1040 x 1435 x 1890 mm                                   |
| Weight                                 | 410 kg  |
| Power consumption max.                 | 16.5 kW   |
| Noise level                            | 68.7 dB(A)  |
| Refrigerant stage 1                    | R-410A (GWP 2088); 6.000 kg; 12.5 t CO <sub>2</sub> -eq |
| SEPR                                   | 5.37  |
| Power supply                           | 400 V; 3/PE; 50 Hz                                      |
| Power plug                             | ---   |

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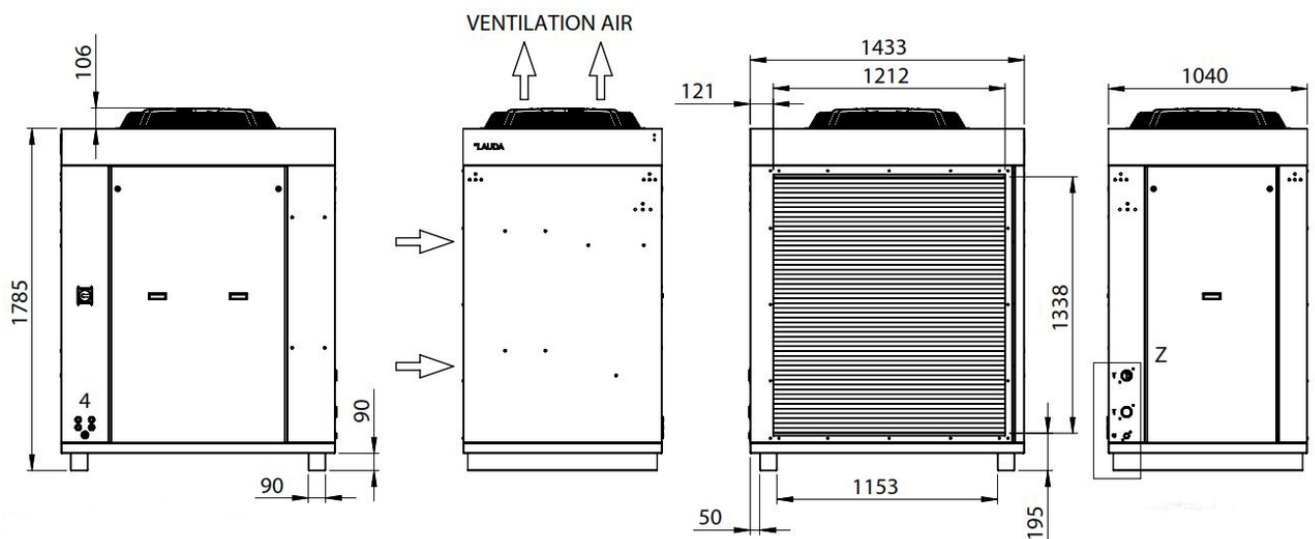
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| Temperature | Cooling Capacity 50 Hz |
|-------------|------------------------|
| 25 °C       | 67.5 kW                |
| 20 °C       | 65.6 kW                |
| 15 °C       | 59.4 kW                |
| 10 °C       | 51.2 kW                |
| 5 °C        | 43.7 kW                |
| 0 °C        | 36.4 kW                |
| -5 °C       | 30.4 kW                |
| -10 °C      | 25.2 kW                |



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