

## PRODUCT DATA SHEET

Standing: 2024-04-08

LAUDA Ultracool UC 24

Circulation chiller 400 V; 3/PE; 50 Hz

Part Number: L002947

### 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



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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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.                    | 35 L                                                   |
| Pump Pressure max.                     | 5,8 bar                                                |
| Pump Pressure nominal                  | 4.7 bar                                                |
| Pump flow rate max. (pressure)         | 166 L/min                                              |
| Pump flow rate nominal                 | 84.1 L/min                                             |
| In / Outlet connection thread (inside) | Rp 1                                                   |
| Overall dimensions (WxDxH)             | 720 x 910 x 1250 mm                                    |
| Weight                                 | 182 kg                                                 |
| Noise level                            | 64.7 dB(A)                                             |
| Refrigerant stage 1                    | R-410A (GWP 2088); 2.200 kg; 4.6 t CO <sub>2</sub> -eq |
| SEPR                                   | 5.63                                                   |
| Power supply                           | 400 V; 3/PE; 50 Hz                                     |
| Power plug                             | ---                                                    |

Reserve technical changes

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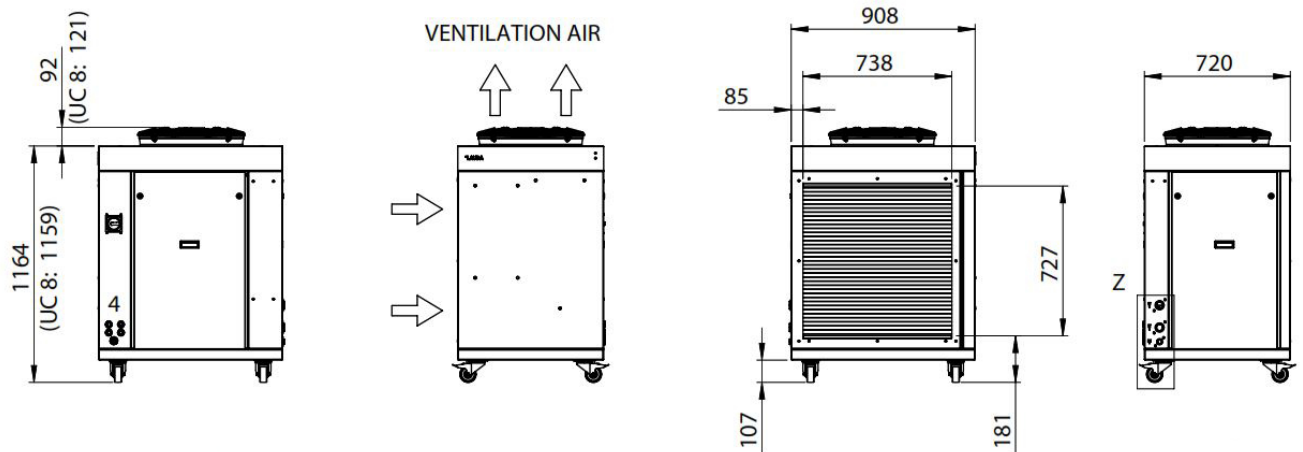
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### LAUDA Ultracool UC 24

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| Temperature | Cooling Capacity 50 Hz |
|-------------|------------------------|
| 25 °C       | 34 kW                  |
| 20 °C       | 30.9 kW                |
| 15 °C       | 28.1 kW                |
| 10 °C       | 24.3 kW                |
| 5 °C        | 20.8 kW                |
| 0 °C        | 17.3 kW                |
| -5 °C       | 14.5 kW                |
| -10 °C      | 12 kW                  |



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