

## PRODUCT DATA SHEET

Standing: 2024-02-13

LAUDA Ultracool UC 4 W  
Circulation chiller 230 V; 50 Hz  
Part Number: L003855

### Features

- Highly efficient industrial chiller
- Graphic LCD with clear text menu navigation
- Operation possible via web server
- Electronic 2-point temperature control
- Industrial block pump with high pressure and high flow rate
- Inlet and outlet water connections in stainless steel
- 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

### Options included

- Reinforced pump
- Water cooled version (W)



Reserve technical changes



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  
Sitz Lauda-Königshofen  
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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.                      | 12 L   |
| Pump Pressure max.                       | 5,5 bar  |
| Pump Pressure nominal                    | 5.0 bar  |
| Pump flow rate max. (pressure)           | 68 L/min   |
| Pump flow rate nominal                   | 13.8 L/min   |
| In / Outlet connection thread (inside)   | Rp 1/2   |
| Water cooling connection thread (inside) | Rp 1/2   |
| Overall dimensions (WxDxH)               | 510 x 680 x 1042 mm                                    |
| Weight                                   | 98 kg  |
| Noise level                              | 57.9 dB(A)   |
| Refrigerant stage 1                      | R-410A (GWP 2088); 0.670 kg; 1.4 t CO <sub>2</sub> -eq |
| Power supply                             | 230 V; 50 Hz   |
| Power plug                               | Power cord without plug (HAR)                          |

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| Temperature | Cooling Capacity 50 Hz |
|-------------|------------------------|
| 25 °C       | 6.1 kW                 |
| 20 °C       | 6.1 kW                 |
| 15 °C       | 5.5 kW                 |
| 10 °C       | 4.8 kW                 |
| 5 °C        | 3.9 kW                 |
| 0 °C        | 3.3 kW                 |
| -5 °C       | 2.8 kW                 |
| -10 °C      | 2.4 kW                 |

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