

## PRODUCT DATA SHEET

Published: 2026-01-08

LAUDA Ultracool UC 2

Circulation chiller 230 V; 60 Hz

Part Number: L003533

### 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
- Condenser cooling Air

### Options included

- Reinforced pump



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  
Registergericht Mannheim • HRB 560226

Geschäftsführer:  
Dr. Gunther Wobser (Vors.), Dr. Mario Englert,  
Dr. Marc Stricker  
Beirat: Dr. Gerhard Wobser

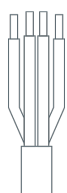
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### Technical Features

|                                        |                                                        |
|----------------------------------------|--------------------------------------------------------|
| Working temperature range              | -10 ... 35 °C                                          |
| Ambient temperature range              | -15 ... 50 °C                                          |
| Temperature stability                  | 0.5 ± K                                                |
| Filling volume max.                    | 12 L                                                   |
| Pump Pressure max.                     | 5,0 bar                                                |
| Pump Pressure nominal                  | 4.9 bar                                                |
| Pump flow rate max. (pressure)         | 80 L/min                                               |
| Pump flow rate nominal                 | 5.6 L/min                                              |
| In / Outlet connection thread (inside) | NPT 1/2                                                |
| Overall dimensions (WxDxH)             | 510 x 680 x 1042 mm                                    |
| Weight                                 | 101 kg                                                 |
| Noise level                            | 53.5 dB(A)                                             |
| Refrigerant stage 1                    | R-410A (GWP 2088); 0.670 kg; 1.4 t CO <sub>2</sub> -eq |
| SEPR                                   | 6.24                                                   |
| Power supply                           | 230 V; 60 Hz                                           |
| Power plug                             | Power cord without plug (HAR)                          |



Power cord without plug (HAR)

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| Temperature | Cooling Capacity 60 Hz |
|-------------|------------------------|
| 25 °C       | 3.1 kW                 |
| 20 °C       | 3.1 kW                 |
| 15 °C       | 2.8 kW                 |
| 10 °C       | 2.4 kW                 |
| 5 °C        | 2 kW                   |
| 0 °C        | 1.7 kW                 |
| -5 °C       | 1.4 kW                 |
| -10 °C      | 1.2 kW                 |

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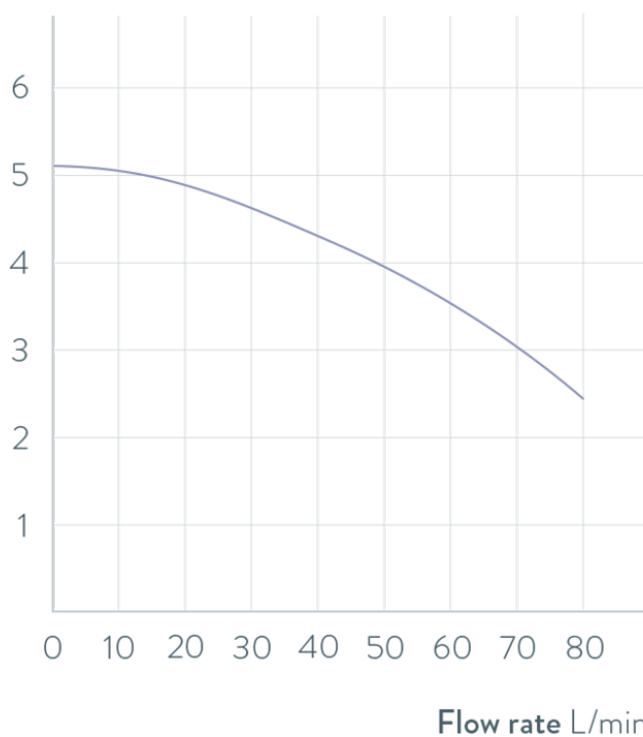
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Part Number: L003533

**PUMP CHARACTERISTIC** Heat transfer liquid: Water  
Reinforced pump, 60 Hz  
Pressure bar



UC 2, UC 4

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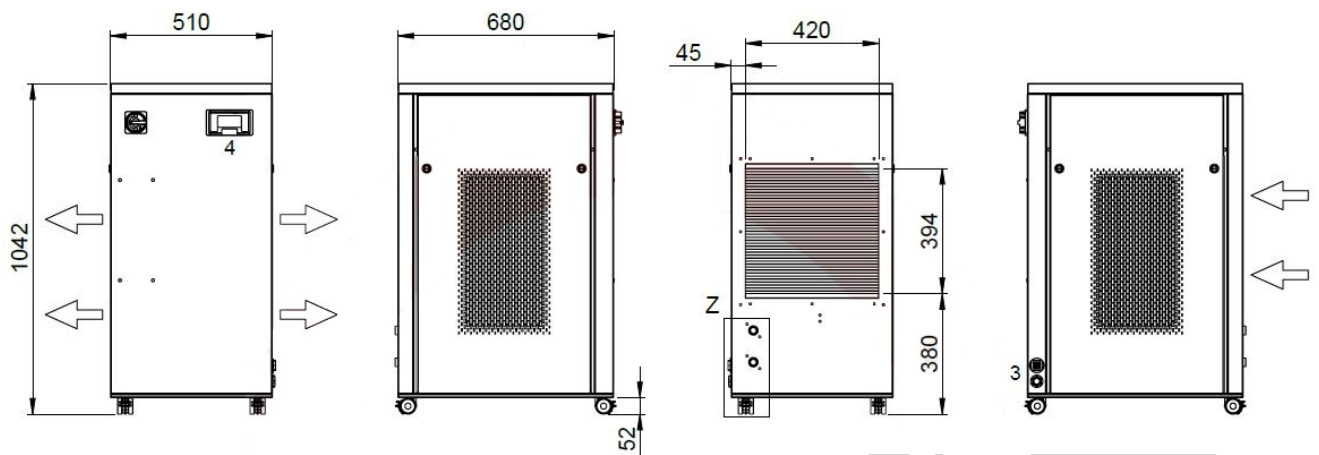
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