

## PRODUCT DATA SHEET

Published: 2025-09-30

LAUDA Ultracool UC 65 W

Circulation chiller 400 V; 3/PE; 50 Hz

Part Number: L003539

### 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 Water

### Options included

- Reinforced pump in stainless steel
- 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  
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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.                      | 125 L                                                   |
| Pump Pressure max.                       | 7,2 bar                                                 |
| Pump Pressure nominal                    | 6.6 bar                                                 |
| Pump flow rate max. (pressure)           | 367 L/min                                               |
| Pump flow rate nominal                   | 196 L/min                                               |
| In / Outlet connection thread (inside)   | Rp 1 1/2                                                |
| Water cooling connection thread (inside) | Rp 1 1/2                                                |
| Overall dimensions (WxDxH)               | 1040 x 1435 x 1890 mm                                   |
| Weight                                   | 440 kg                                                  |
| Refrigerant stage 1                      | R-410A (GWP 2088); 6.000 kg; 12.5 t CO <sub>2</sub> -eq |
| SEPR                                     | 7.09                                                    |
| Power supply                             | 400 V; 3/PE; 50 Hz                                      |
| Power plug                               | ---                                                     |

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| Temperature | Cooling Capacity 50 Hz |
|-------------|------------------------|
| 25 °C       | 87.5 kW                |
| 20 °C       | 85.2 kW                |
| 15 °C       | 77.4 kW                |
| 10 °C       | 66.9 kW                |
| 5 °C        | 57.3 kW                |
| 0 °C        | 47.8 kW                |
| -5 °C       | 40.1 kW                |
| -10 °C      | 33.3 kW                |

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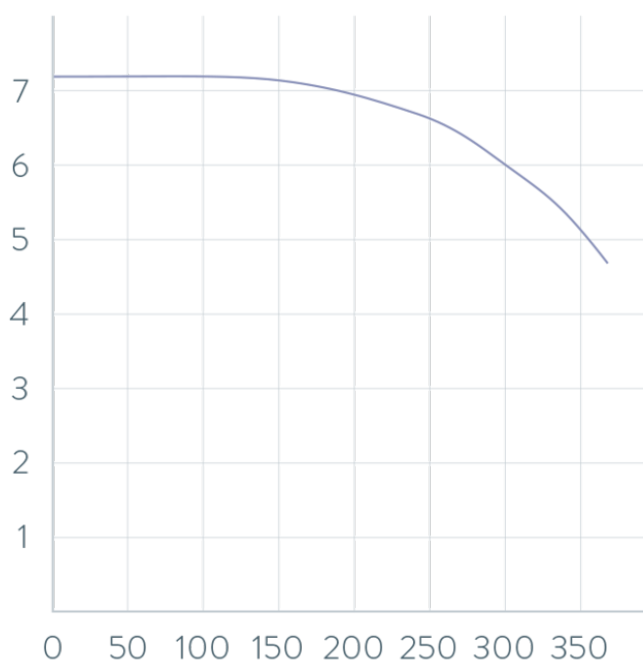
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### PUMP CHARACTERISTIC Heat transfer liquid: Water

Reinforced pump, 50 Hz

Pressure bar



UC 65

Flow rate L/min

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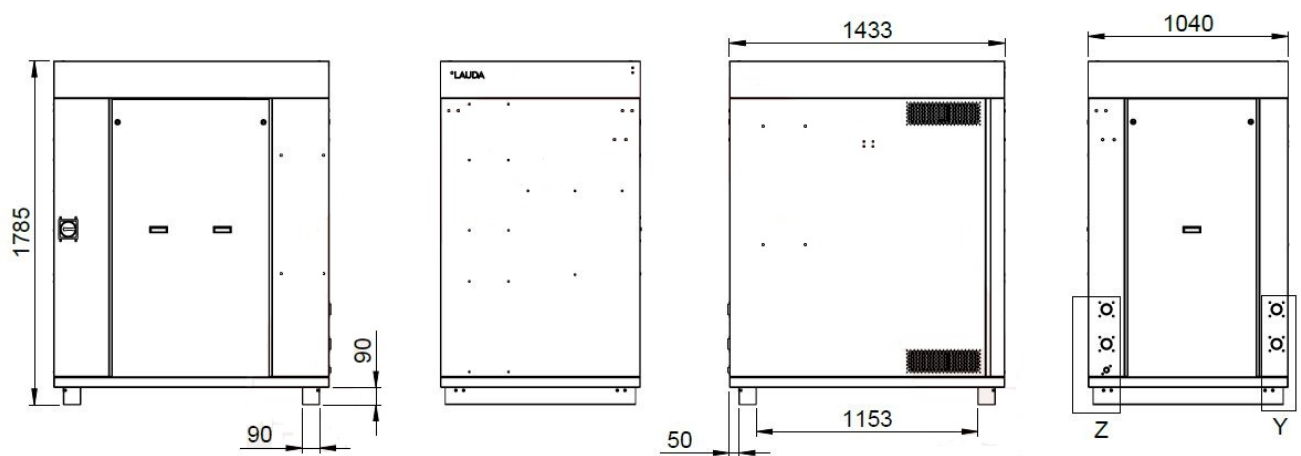
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