

## PRODUCT DATA SHEET

Standing: 2024-04-29

LAUDA Ultracool UC 50 Circulation chiller  
400 V; 3/PE; 50 Hz & 460 V; 3/PE; 60 Hz  
Part Number: L002856

### 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



Working temperature min.  
-10 °C



Working temperature max.  
35 °C

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WEEE-Reg.-Nr.: DE 66 42 40 57

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Registergericht Mannheim • HRA 560069

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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.	210 L
Pump Pressure max.	3,8 bar (50 Hz), 5,6 bar (60 Hz)
Pump Pressure nominal	3.1 bar (50 Hz); 5.0 bar (60 Hz)
Pump flow rate max. (pressure)	242 L/min (50 Hz); 292 L/min (60 Hz)
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	411 kg
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 & 460 V; 3/PE; 60 Hz
Power plug	---

Reserve technical changes

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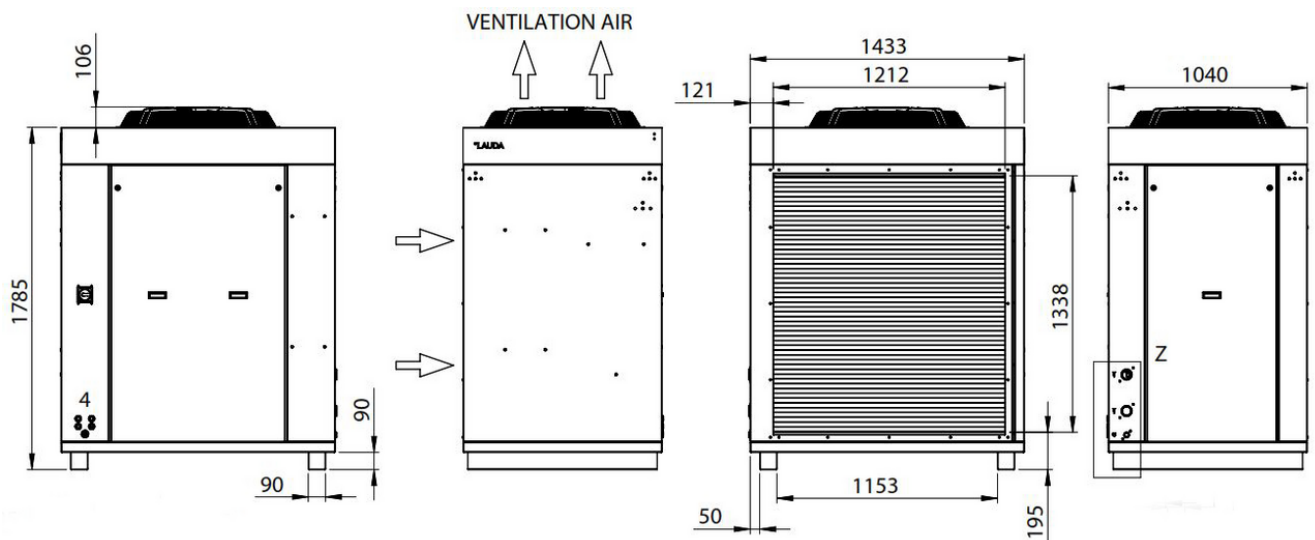
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Temperature	Cooling Capacity 50 Hz	Cooling Capacity 60 Hz
25 °C	67.5 kW	67.5 kW
20 °C	65.6 kW	65.6 kW
15 °C	59.4 kW	59.4 kW
10 °C	51.2 kW	51.2 kW
5 °C	43.7 kW	43.7 kW
0 °C	36.4 kW	36.4 kW
-5 °C	30.4 kW	30.4 kW
-10 °C	25.2 kW	25.2 kW



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