

## PRODUCT DATA SHEET

Standing: 2024-04-29

### LAUDA Ultracool UC 100

Circulation chiller 400 V; 3/PE; 50 Hz

Part Number: L003687

#### 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
- Integrated phase detector indicates if phase sequence is correct
- 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



#### Options included

- Reinforced pump in stainless steel



Working temperature min.  
-10 °C



Working temperature max.  
35 °C

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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.	125 L
Pump Pressure max.	5,2 bar
Pump Pressure nominal	5.0 bar
Pump flow rate max. (pressure)	500 L/min
Pump flow rate nominal	300 L/min
In / Outlet connection thread (inside)	Rp 2 1/2
Overall dimensions (WxDxH)	1256 x 1706 x 1905 mm
Weight	700 kg
Noise level	69.3 dB(A)
Refrigerant stage 1	R-410A (GWP 2088); 11.000 kg; 23.0 t CO <sub>2</sub> -eq
SEPR	6.2
Power supply	400 V; 3/PE; 50 Hz
Power plug	---

Reserve technical changes

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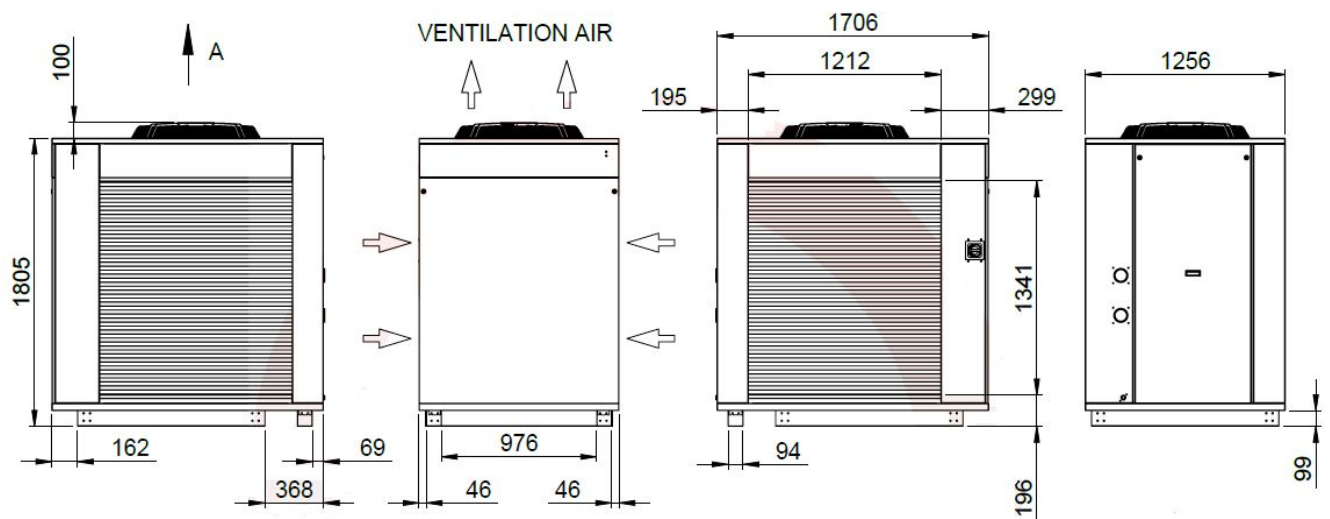
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Temperature	Cooling Capacity 50 Hz	Cooling Capacity 60 Hz
25 °C	124.7 kW	124.7 kW
20 °C	121.4 kW	121.4 kW
15 °C	110.2 kW	110.2 kW
10 °C	95.3 kW	95.3 kW
5 °C	81.7 kW	81.7 kW
0 °C	68.3 kW	68.3 kW
-5 °C	57.5 kW	57.5 kW
-10 °C	47.8 kW	47.8 kW



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