

PRODUCT DATA SHEET

Standing: 2023-05-26

LAUDA Ultracool UC 100 HP Circulation chiller
400 V; 3/PE; 50 Hz & 460 V; 3/PE; 60 Hz
Part Number: L003748

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



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:
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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.	5,4 bar (50 Hz), 7,5 bar (60 Hz)
Pump Pressure nominal	3.9 bar (50 Hz); 5.0 bar (60 Hz)
Pump flow rate max. (pressure)	367 L/min (50 Hz); 433 L/min (60 Hz)
Pump flow rate nominal	300 L/min
In / Outlet connection thread (inside)	Rp 2 1/2
Overall dimensions (WxDxH)	1525 x 1385 x 1900 mm
Weight	700 kg
Noise level	69.3 dB(A)
Refrigerant stage 1	R-410A (GWP 2088); 11.000 kg; 23.0 t CO ₂ -eq
SEPR	6.2
Power supply	400 V; 3/PE; 50 Hz & 460 V; 3/PE; 60 Hz
Power plug	---

Reserve technical changes

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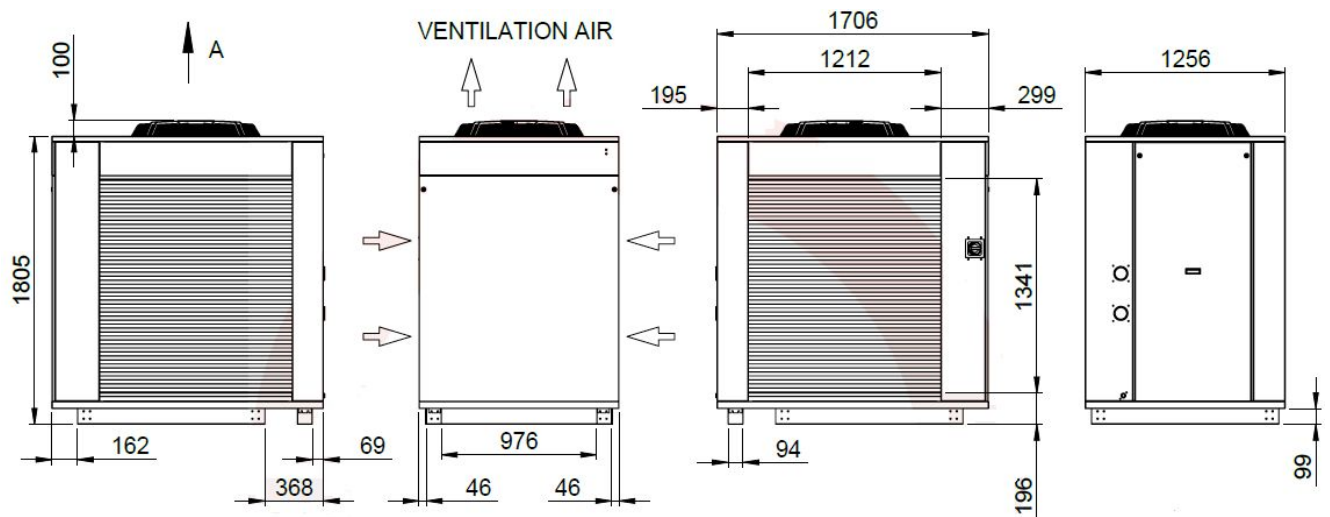
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Temperature	Cooling Capacity 50 Hz	Cooling Capacity 60 Hz
25 °C	124.7 kW	124.7 kW
20 °C	121.4 kW	121.4 kW
15 °C	110.2 kW	110.2 kW
10 °C	95.3 kW	95.3 kW
5 °C	81.7 kW	81.7 kW
0 °C	68.3 kW	68.3 kW
-5 °C	57.5 kW	57.5 kW
-10 °C	47.8 kW	47.8 kW



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