

## PRODUCT DATA SHEET

Standing: 2024-10-17

LAUDA Ultracool UC 4 W  
Circulation chiller 230 V; 50 Hz  
Part Number: L003856

### 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

### Options included

- Water cooled version (W)



Working temperature min.  
-10 °C



Working temperature max.  
35 °C



Reserve technical changes

LAUDA DR. R. WOBSEY GMBH & CO. KG  
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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.	3,4 bar
Pump Pressure nominal	2.8 bar
Pump flow rate max. (pressure)	42 L/min
Pump flow rate nominal	13.8 L/min
In / Outlet connection thread (inside)	Rp 1/2
Water cooling connection thread (inside)	Rp 1/2
Overall dimensions (WxDxH)	510 x 680 x 1042 mm
Weight	92 kg
Noise level	57.9 dB(A)
Refrigerant stage 1	R-410A (GWP 2088); 0.670 kg; 1.4 t CO <sub>2</sub> -eq
Power supply	230 V; 50 Hz
Power plug	Power cord without plug (HAR)

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Temperature	Cooling Capacity 50 Hz
25 °C	6.1 kW
20 °C	6.1 kW
15 °C	5.5 kW
10 °C	4.8 kW
5 °C	3.9 kW
0 °C	3.3 kW
-5 °C	2.8 kW
-10 °C	2.4 kW

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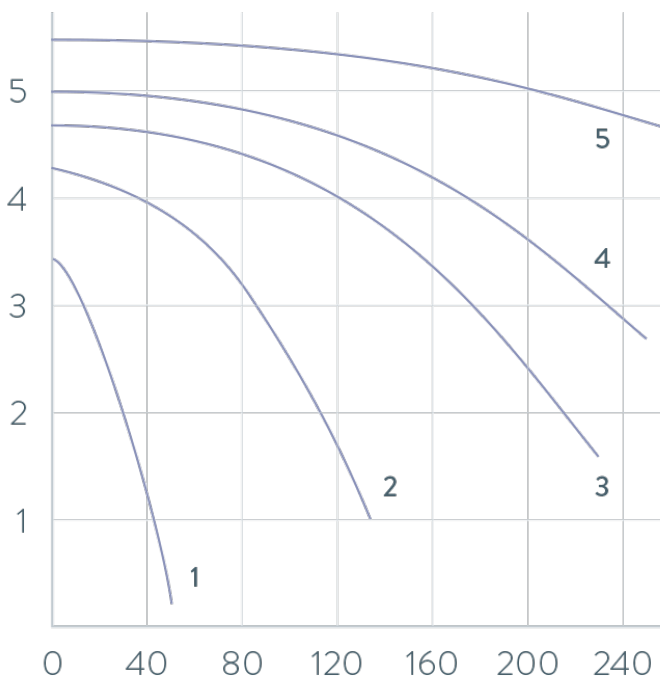
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### PUMP CHARACTERISTIC Standard pumps (3 bar), 50 Hz; Heat transfer liquid: Water

Pressure bar



- 5 UC 80, UC 100
- 4 UC 65
- 3 UC 50
- 2 UC 8, UC 14, UC 24
- 1 UC 2, UC 4

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