PRODUCT DATA SHEET

Published: 2026-11-19

LAUDA Ultratemp UT 5005 W Process thermostat
400 V; 3/PE; 50 Hz & 460 V; 3/PE; 60 Hz
Part Number: L004825

Features



- Process thermostat with integrated heater
- Graphic LCD with clear text menu navigation
- Operation possible via web server
- Integrated Ethernet interface
- Connection external Pt100 temperature sensor
- Fully electronic continuous controller with PID action
- Protection level IP 54 (for outdoor installation)
- Stainless steel housing
- Industrial block pump with high pressure and high flow rate
- Additional pump for internal circulation
- Digital display of pump pressure
- Operates with non flammable liquids (water,water/glycol)
- Integrated water filter
- Utilises traditional refrigerants (HFCs) in accordance with European legislation to control F-gases (EU) 573/2024
- Condenser cooling Water

Reserve technical changes

Options included

- Flow meter (FM)

Working temperature min.
-5 °C

Working temperature max.
60 °C

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

Kommanditgesellschaft: Sitz Lauda-Königshofen
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Geschäftsführer:
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Dr. Marc Stricker
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Technical Features	
Working temperature range	-5 ... 60 °C
Ambient temperature range	-15 ... 50 °C
Temperature stability	0.5 ± K
Heater power min.	37.8 kW
Heater power max.	50 kW
Pump Pressure max. 50 Hz	4.8 bar
Pump pressure nominal 50 Hz	3.5 bar
Flow rate max. (pressure) 50 Hz	250 L/min
Pump pressure max. 60 Hz	7 bar
Flow rate max. (pressure) 60 Hz	300 L/min
Pump pressure nominal 60 Hz	5.7 bar
Pump flow rate nominal	180 L/min
In / Outlet connection thread (inside)	Rp 1 1/2
Filling volume max.	100 L
Cooling water temperature min.	0 °C
Cooling water temperature max.	45 °C
Pressure difference cooling water min.	2 bar
Maximum pressure cooling water	6 bar
Refrigerant stage 1	R-513A (GWP 631); 0.000 kg; 0.0 t CO2-eq
Protection rating	IP 54
Overall dimensions (WxDxH)	1138 x 1728 x 1722 mm
Weight	700 kg
Power plug	---
Power supply	400 V; 3/PE; 50 Hz & 460 V; 3/PE; 60 Hz
Current max.	125 A

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Temperature	Cooling Capacity 50 Hz	Cooling Capacity 60 Hz
60 °C	48.5 kW	57.1 kW
30 °C	48.5 kW	57.1 kW
20 °C	42.6 kW	50.1 kW
15 °C	35.8 kW	42.2 kW
10 °C	30 kW	35.2 kW
5 °C	26 kW	30.5 kW
0 °C	21.4 kW	25.2 kW
-5 °C	17.6 kW	20.6 kW

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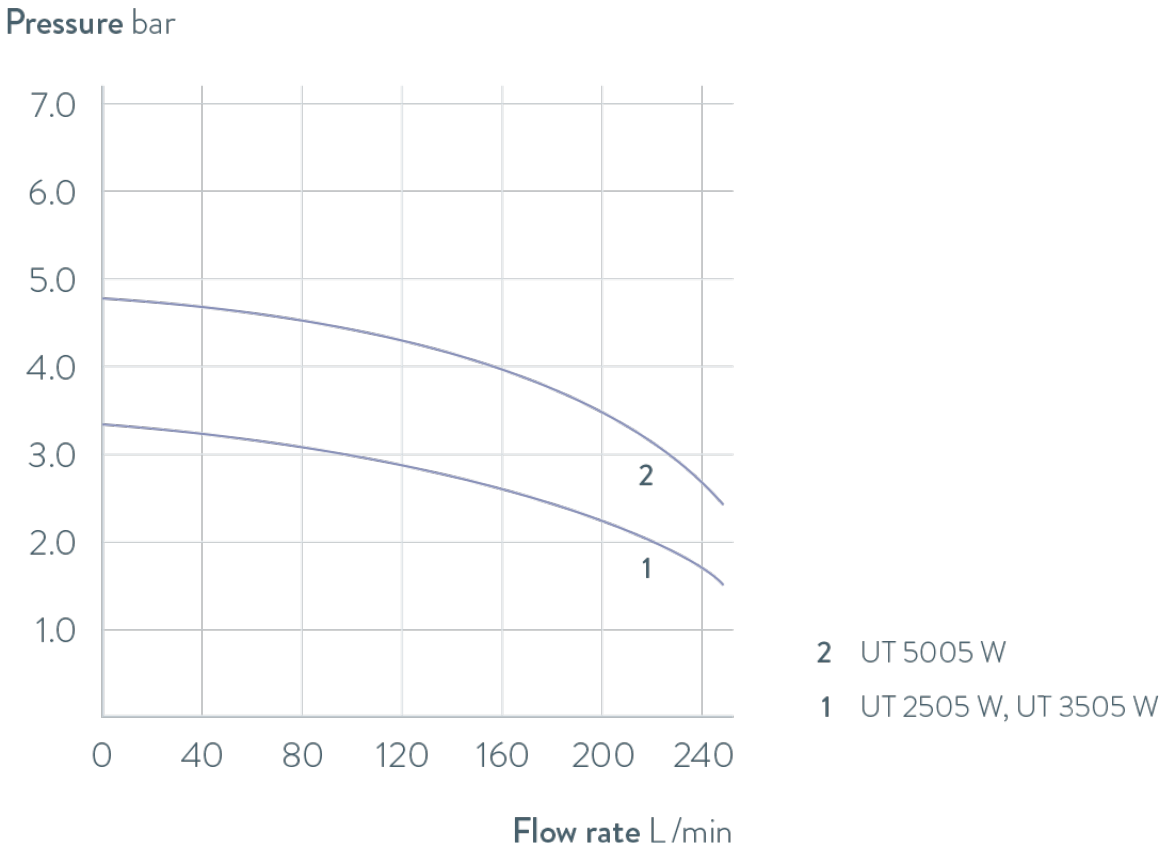
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PUMP CHARACTERISTICS 50 Hz Heat transfer liquid: Water



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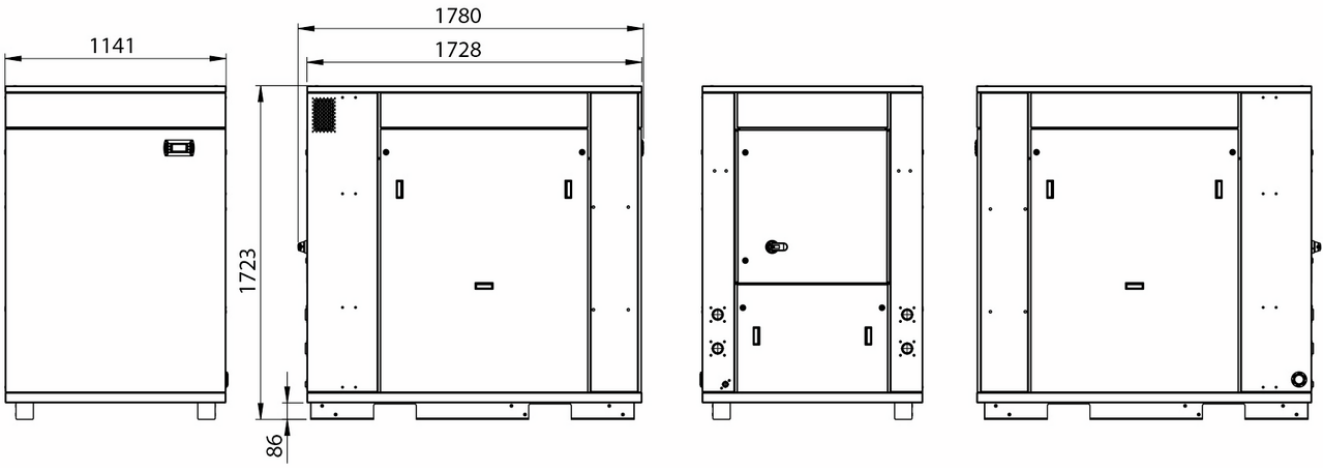
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