

PRODUCT DATA SHEET

Standing: 2025-09-08

LAUDA Variocool VC 2000 W

Process thermostat 230 V; 50 Hz

Part Number: L004074

Features

- Coloured TFT display for simultaneous indication of actual & set values and graphic illustration of the temperature profile
- Clear text menu navigation, six selectable languages DE, EN, FR, ES, IT, RU
- Easy input via cursor and soft keys
- Fully electronic continuous controller with PID action
- Electronic level indication and low level alarm
- Powerful pressure pump
- USB interface as standard
- Remote fault indication through floating contact
- Upgradeable with an interface module (analogue module, contact module, RS 232/485 module, Profibus, Ethernet-USB module)
- Integrated programmer with max. 150 segments, splittable in 5 programmes
- Adjustable bypass for pressure limiting
- Filler opening on top, drain tap on the backside
- SmartCool system for energy-saving digital cooling management including compressor on-off control
- Operates with non flammable liquids (water, water/glycol)
- Process thermostat suitable for use with non-flammable heat transfer liquids
- Condenser cooling Water
- Utilizes natural refrigerants



Reserve technical changes



Working temperature min.
-25 °C



Working temperature max.
80 °C

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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
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Registergericht Mannheim • HRB 560226

Geschäftsführer:
Dr. Gunther Wobsey (Vors.), Dr. Mario Englert,
Dr. Marc Stricker
Beirat: Dr. Gerhard Wobsey

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Technical Features (according to DIN 12876)

Working temperature range	-25 ... 80 °C
Ambient temperature range	5 ... 40 °C
Temperature stability	0.05 ± K
Heater power max.	2.3 kW
Power consumption max.	2.7 kW
Current max.	13 A
Pump Pressure max.	0,9 bar
Pump flow rate max. (pressure)	28 L/min
In / Outlet connection thread (outside)	G 3/4"
Pressure adjustment	bypass
Filling volume min.	8 L
Filling volume max.	15 L
Recommended cooling water temperature	15 °C
Cooling water consumption	2 L/min
Pressure difference cooling water min.	1 bar
Maximum pressure cooling water	10 bar
Overall dimensions (WxDxH)	450 x 550 x 650 mm
Weight	50 kg
Refrigerant stage 1	R-290 (GWP 3); 0.095 kg; 0.0 t CO ₂ -eq
Power supply	230 V; 50 Hz
Power plug	Power cord with angled plug (CEE7/7)

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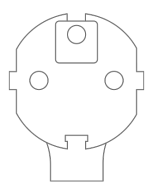
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Power cord with angled plug (CEE7/7)

Temperature	Heat transfer liquid	Cooling Capacity 50 Hz
20 °C	Ethanol	2.1 kW
10 °C	Ethanol	1.85 kW
0 °C	Ethanol	1.3 kW
-10 °C	Ethanol	0.95 kW
-20 °C	Ethanol	0.62 kW
-25 °C	Ethanol	0.4 kW

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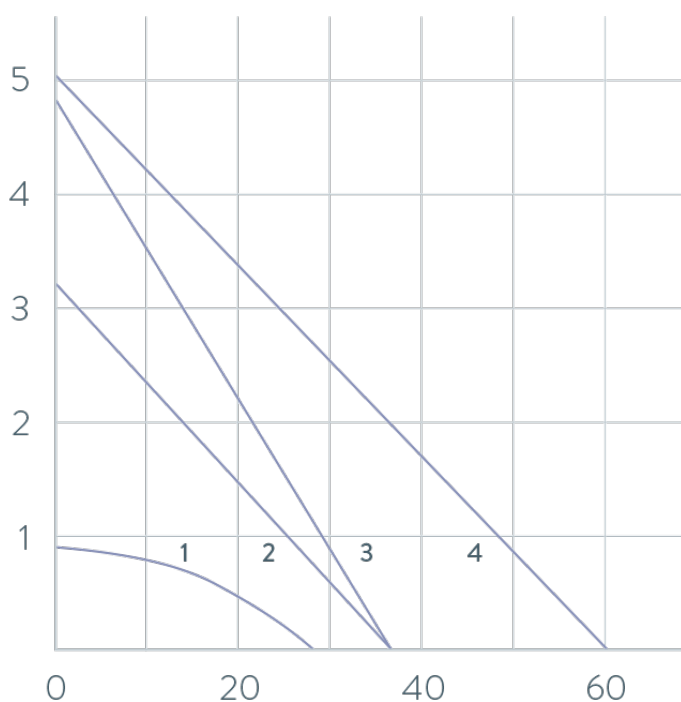
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PUMP CHARACTERISTIC Heat transfer liquid: Water

Pressure bar



- 1 0.9 bar, 28 L/min
- 2 3.2 bar, 37 L/min
- 3 4.8 bar, 37 L/min
- 4 5.0 bar, 60 L/min

Flow rate L/min

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