

PRODUCT DATA SHEET

Standing: 2024-11-06

LAUDA ECO RE 630 G

Cooling thermostat 115 V; 60 Hz

Part Number: L001443

Features

- Thermostatic bath/circulator with latest microprocessor technology and integrated cooling system
- Coloured TFT display for simultaneous indication of actual & set values and graphic illustration of the temperature profile
- User friendly menu navigation in plain language
- Easy input via cursor and soft keys. Additional Tmax key for overtemperature protection
- Fully electronic continuous controller with PID action
- Safety class III for operation with flammable and non-flammable liquids. Over-temperature cut-out adjustable via menu
- Vario pump with six adjustable performance levels
- Easy control of the flow rate between internal and external circulation during operation without contact with the bath
- USB interface as standard
- Upgradeable with an interface module (analogue module, contact module, RS 232/485 module, Profibus, Ethernet-USB module)
- Upgradeable with Pt 100/LiBus module for external control and remote control via Command console
- Programmer with 150 temperature/time segments that can be separated into 5 programs
- Pump connectors with metal connectors, thread M 16 x 1 as standard
- Bath vessel made from stainless steel with drain valve
- Condenser cooling Air
- Utilises traditional refrigerants (HFCs) in accordance with European legislation to control F-gases (EU) 573/2024



Reserve technical changes



Working temperature min.
-30 °C



Working temperature max.
200 °C

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

Kommanditgesellschaft: Sitz Lauda-Königshofen
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Persönlich haftende Gesellschafterin:
LAUDA DR. R. WOBSEY Verwaltungs-GmbH
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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 (according to DIN 12876)

| | |
|--------------------------------|---|
| Working temperature range | -30 ... 200 °C |
| Ambient temperature range | 5 ... 40 °C |
| Temperature stability | 0.02 ± K |
| Heater power max. | 1.3 kW |
| Power consumption max. | 1.4 kW |
| Current max. | 12 A |
| Pump Pressure max. | 0,6 bar |
| Pump flow rate max. (pressure) | 22 L/min |
| Bath volume min. / max. | 4,6 / 5,7 L |
| Size of bath (W x D x H) | 150 x 130 x 160 mm |
| Overall dimensions (WxDxH) | 200 x 430 x 581 mm |
| Weight | 26 kg |
| Power supply | 115 V; 60 Hz |
| Power plug | Power cord with plug (NEMA 5-15P) |
| Refrigerant stage 1 | R-134a (GWP 1430); 0.057 kg; 0.1 t CO2-eq |

Reserve technical changes

| Temperature | Pump stage | Heat transfer liquid | Cooling Capacity 60 Hz |
|-------------|------------|----------------------|------------------------|
| 20 °C | 2 | Ethanol | 0.3 kW |
| 0 °C | 2 | Ethanol | 0.24 kW |
| -20 °C | 2 | Ethanol | 0.1 kW |
| -30 °C | 2 | Ethanol | 0.02 kW |

Standard accessories

- 1 Bath cover

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Standard accessories

- 2 screw caps, 2 closing plugs
- 2 nipples 13 mm for pump connectors

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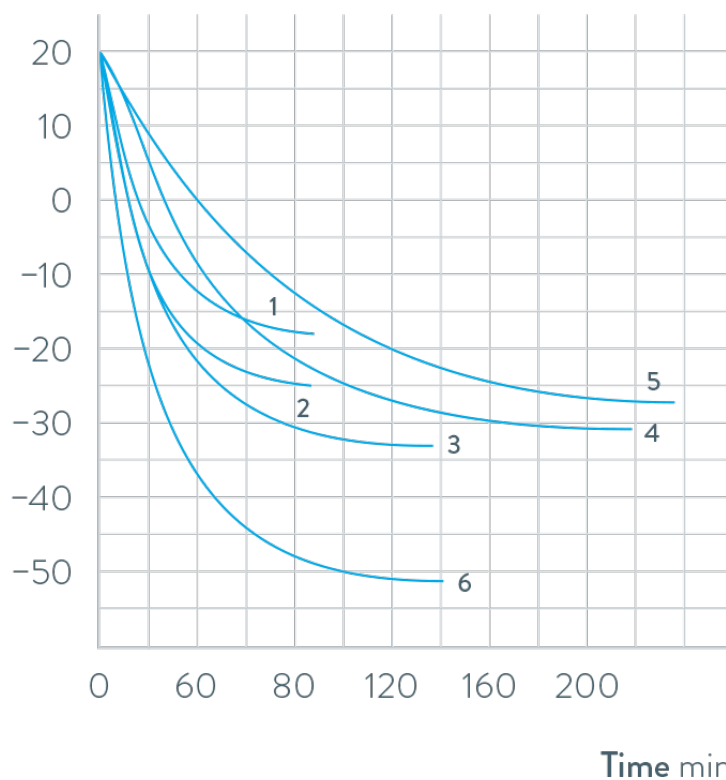
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COOLING PERFORMANCE Heat transfer liquid: Ethanol, bath closed

Bath temperature °C



- 1 RE 415 G
- 2 RE 420 G
- 3 RE 630 G
- 4 RE 1225 G
- 5 RE 2025 G
- 6 RE 1050 G

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