

PRODUCT DATA SHEET

Standing: 2024-12-06

LAUDA ECO RE 1050 S

Cooling thermostat 230 V; 50 Hz

Part Number: L001253

Features

- Thermostatic bath/circulator with latest microprocessor technology and integrated cooling system
- Monochrome graphic LCD display for simultaneous indication of actual and set value
- 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
- Integrated programmer, 1 programme with max. 20 segments
- Pump connectors with plastic nipples 13 mm as standard
- Bath vessel made from stainless steel with drain valve
- Energy saving SmartCool system
- 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.
-50 °C



Working temperature max.
200 °C

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Persönlich haftende Gesellschafterin:
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Geschäftsführer:
Dr. Gunter 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 | -50 ... 200 °C |
| Ambient temperature range | 5 ... 40 °C |
| Temperature stability | 0.02 ± K |
| Heater power max. | 2 kW |
| Power consumption max. | 2.5 kW |
| Current max. | 11 A |
| Pump Pressure max. | 0,6 bar |
| Pump flow rate max. (pressure) | 22 L/min |
| Bath volume min. / max. | 8.0 / 10.0 L |
| Size of bath (W x D x H) | 200 x 200 x 160 mm |
| Overall dimensions (WxDxH) | 280 x 440 x 624 mm |
| Weight | 35 kg |
| Power supply | 230 V; 50 Hz |
| Power plug | Power cord with angled plug (CEE7/7) |
| Refrigerant stage 1 | R-452A (GWP 2140); 0.270 kg; 0.6 t CO ₂ -eq |

Reserve technical changes

| Temperature | Pump stage | Heat transfer liquid | Cooling Capacity 50 Hz |
|-------------|------------|----------------------|------------------------|
| 20 °C | 2 | Ethanol | 0.7 kW |
| 0 °C | 2 | Ethanol | 0.6 kW |
| -20 °C | 2 | Ethanol | 0.35 kW |
| -30 °C | 2 | Ethanol | 0.19 kW |
| -40 °C | 2 | Ethanol | 0.1 kW |
| -50 °C | 2 | Ethanol | 0.02 kW |

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Standard accessories

- 1 Bath cover
- 1 closing plug

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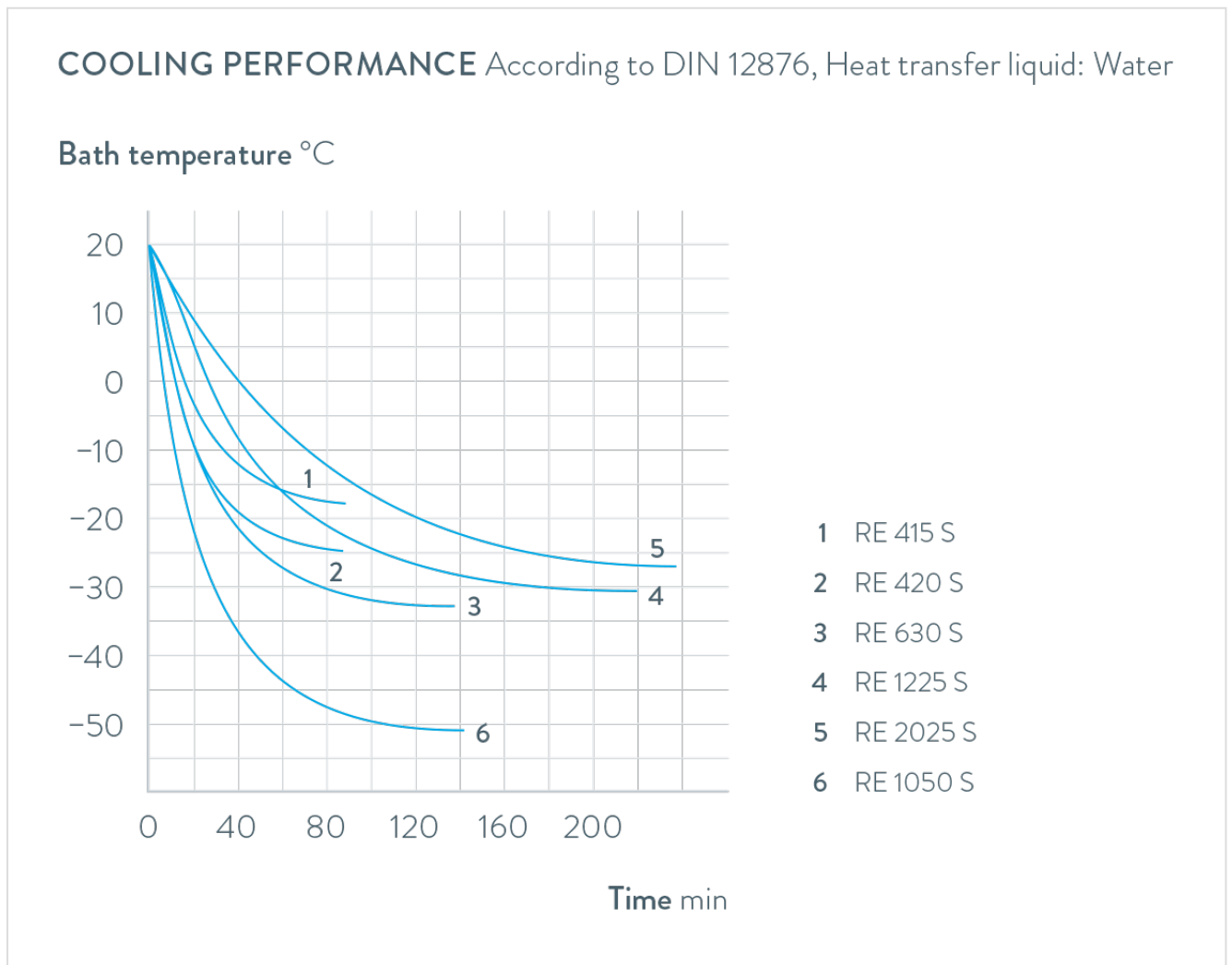
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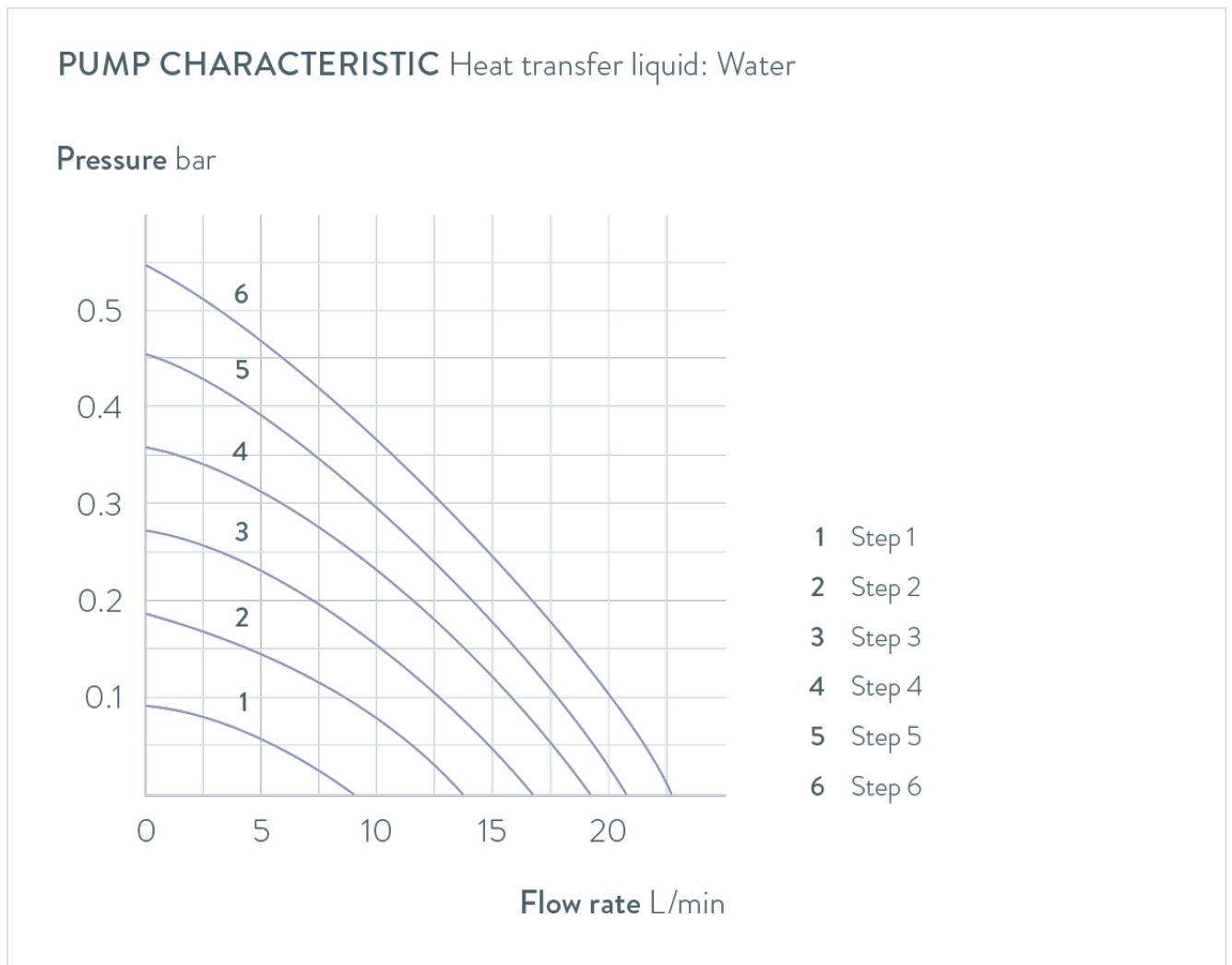
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