

PRODUCT DATA SHEET

Standing: 2024-11-06

LAUDA ECO RE 420 S

Cooling thermostat 100 V; 50/60 Hz

Part Number: L001462

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
- Condenser cooling Air
- Utilises traditional refrigerants (HFCs) in accordance with European legislation to control F-gases (EU) 573/2024



Working temperature min.
-20 °C



Working temperature max.
200 °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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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 | -20 ... 200 °C |
| Ambient temperature range | 5 ... 40 °C |
| Temperature stability | 0.02 ± K |
| Heater power max. | 1 kW |
| Power consumption max. | 1.2 kW |
| Current max. | 12 A |
| Pump Pressure max. | 0,6 bar |
| Pump flow rate max. (pressure) | 22 L/min |
| Bath volume min. / max. | 3.3 / 4.0 L |
| Size of bath (W x D x H) | 130 x 105 x 160 mm |
| Overall dimensions (WxDxH) | 180 x 396 x 555 mm |
| Weight | 22 kg |
| Power supply | 100 V; 50/60 Hz |
| Power plug | Power cord with plug (NEMA 5-15P) |
| Refrigerant stage 1 | R-134a (GWP 1430); 0.063 kg; 0.1 t CO ₂ -eq |

Reserve technical changes

| Temperature | Pump stage | Heat transfer liquid | Cooling Capacity 50 Hz | Cooling Capacity 60 Hz |
|-------------|------------|----------------------|------------------------|------------------------|
| 20 °C | 2 | Ethanol | 0.2 kW | 0.2 kW |
| 0 °C | 2 | Ethanol | 0.15 kW | 0.15 kW |
| -20 °C | 2 | Ethanol | 0.03 kW | 0.03 kW |

Standard accessories

- 1 Bath cover
- 1 closing plug

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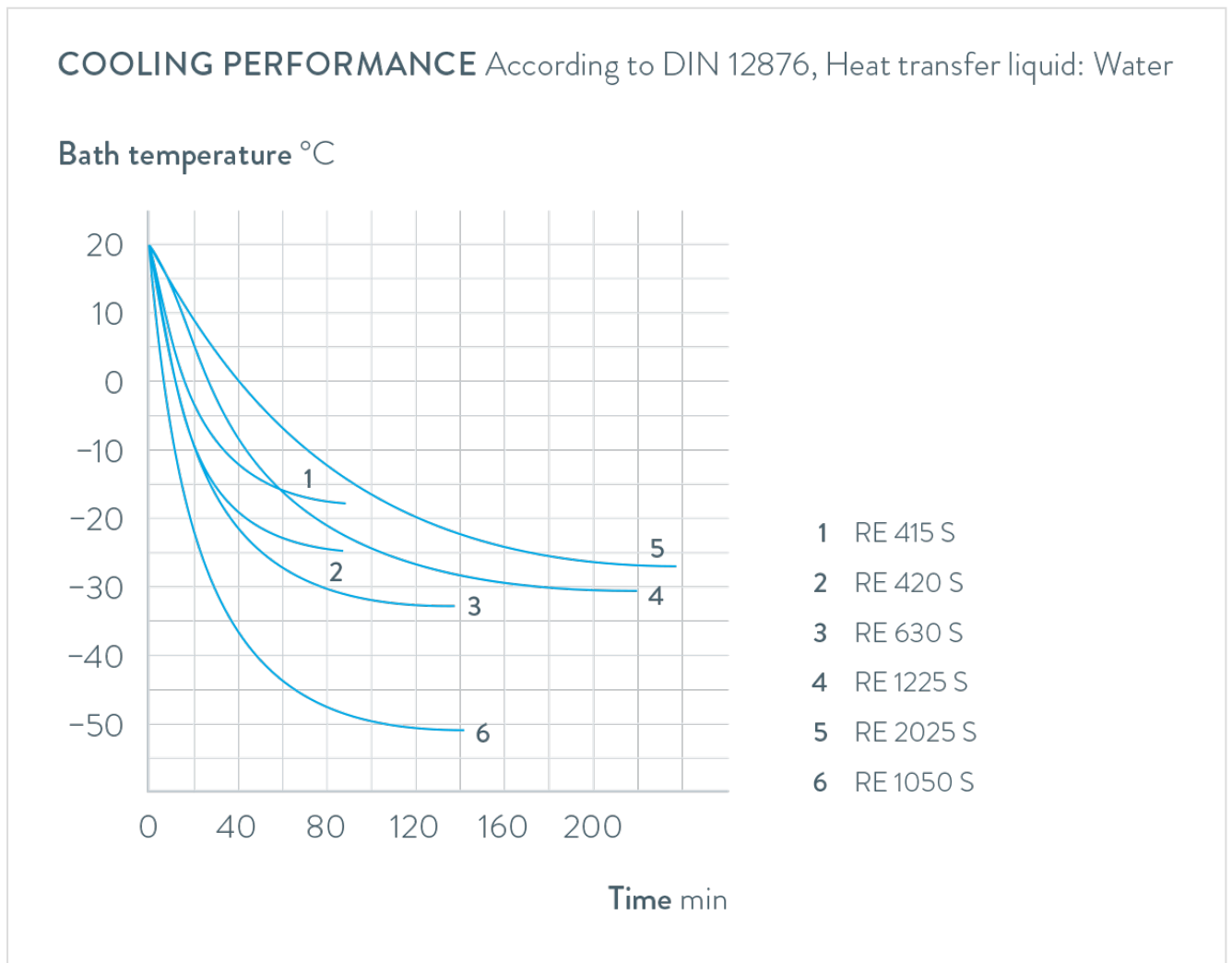
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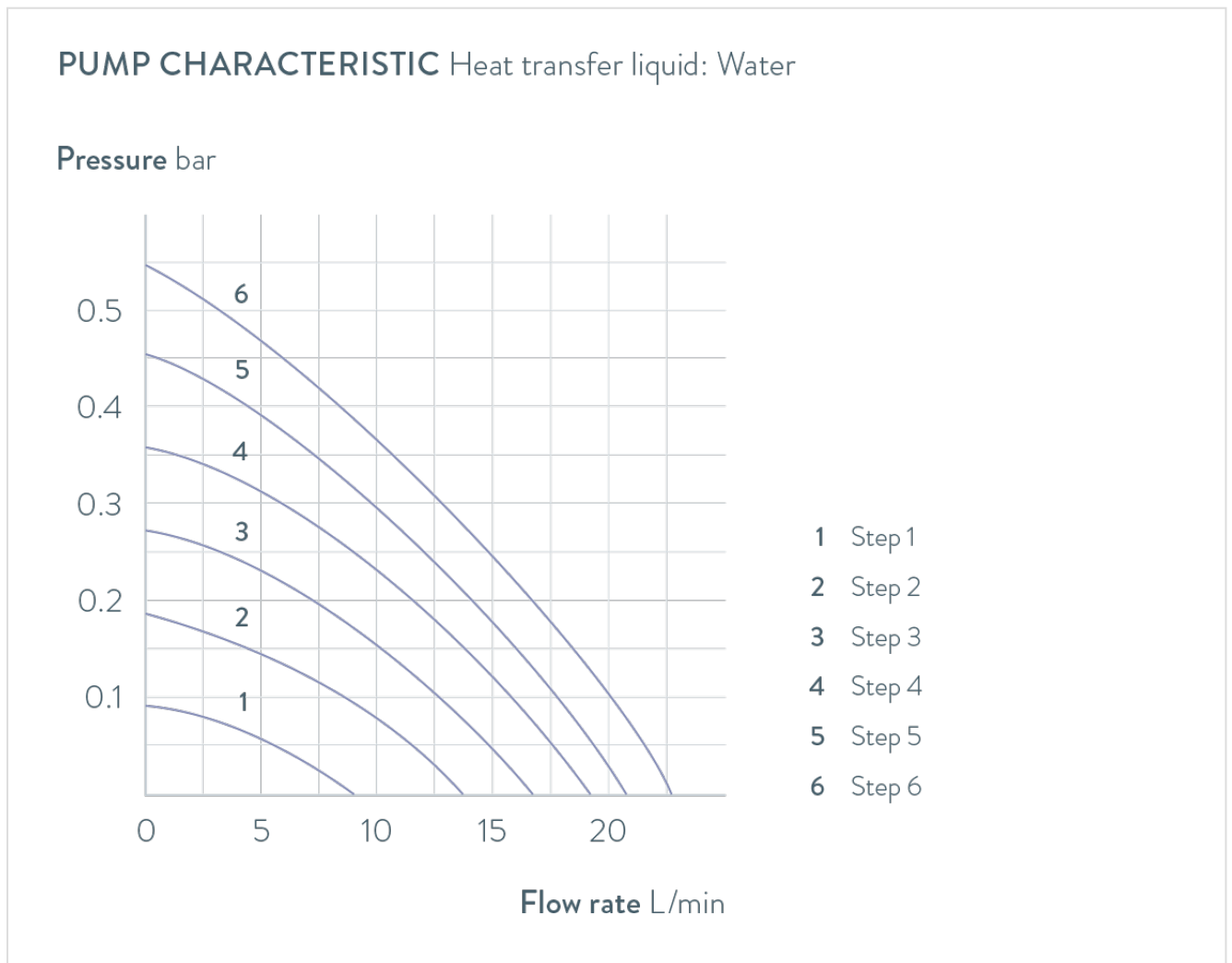
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