

## PRODUCT DATA SHEET

Standing: 2024-09-05

### LAUDA ECO RE 420 S

Cooling thermostat 230 V; 50 Hz

Part Number: L001333

#### 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
- Utilizes natural refrigerants



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  
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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      | -20 ... 200 °C                                     |
| Ambient temperature range      | 5 ... 40 °C  |
| Temperature stability          | 0.02 ± K   |
| Heater power max.              | 2 kW   |
| Power consumption max.         | 2.2 kW   |
| Current max.                   | 10 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                   | 230 V; 50 Hz                                       |
| Power plug                     | Power cord with angled plug (CEE7/7)               |
| Refrigerant stage 1            | R-290 (GWP 3); 0.030 kg; 0.0 t CO <sub>2</sub> -eq |

Reserve technical changes

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

## Standard accessories

- 1 Bath cover
- 1 closing plug

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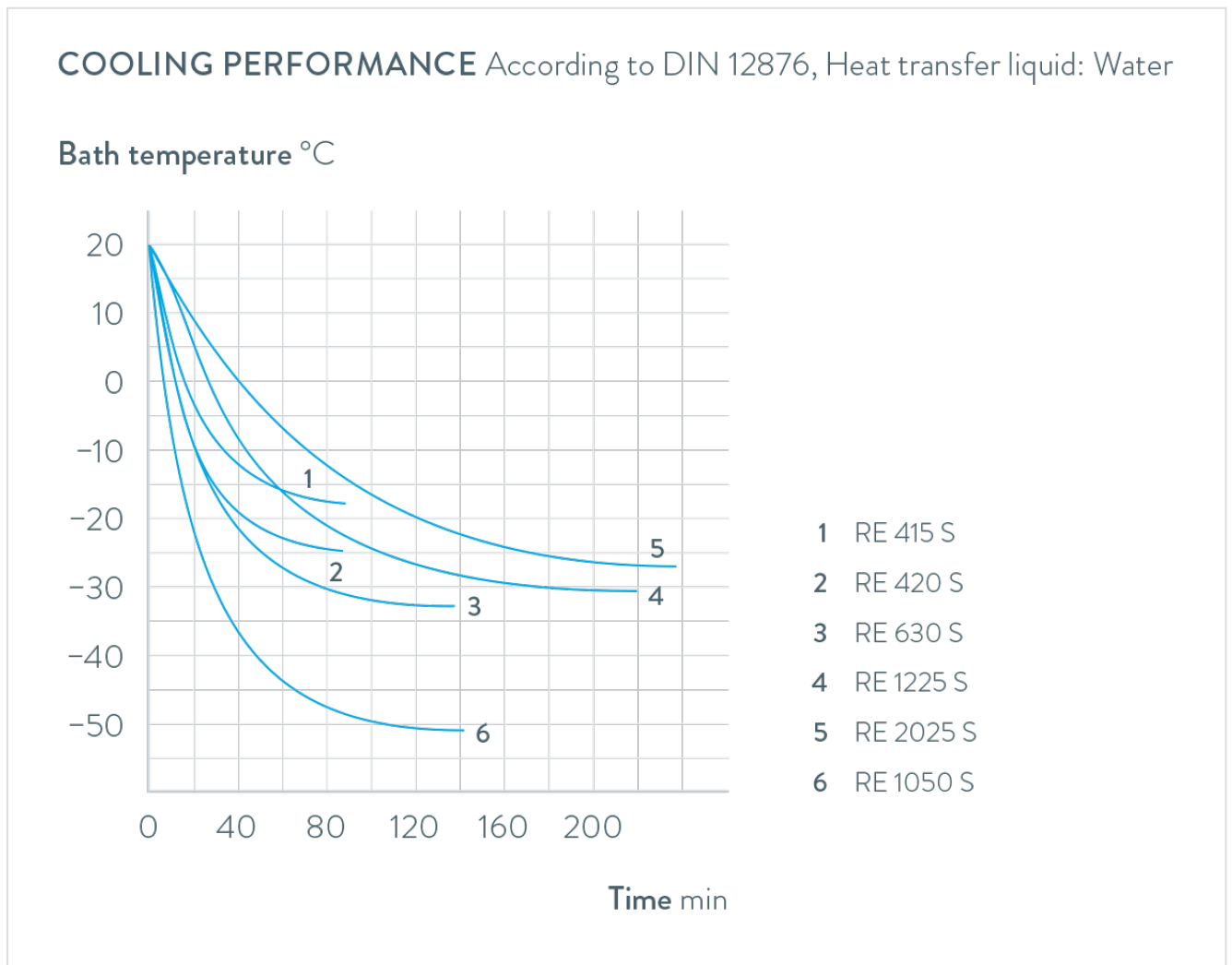
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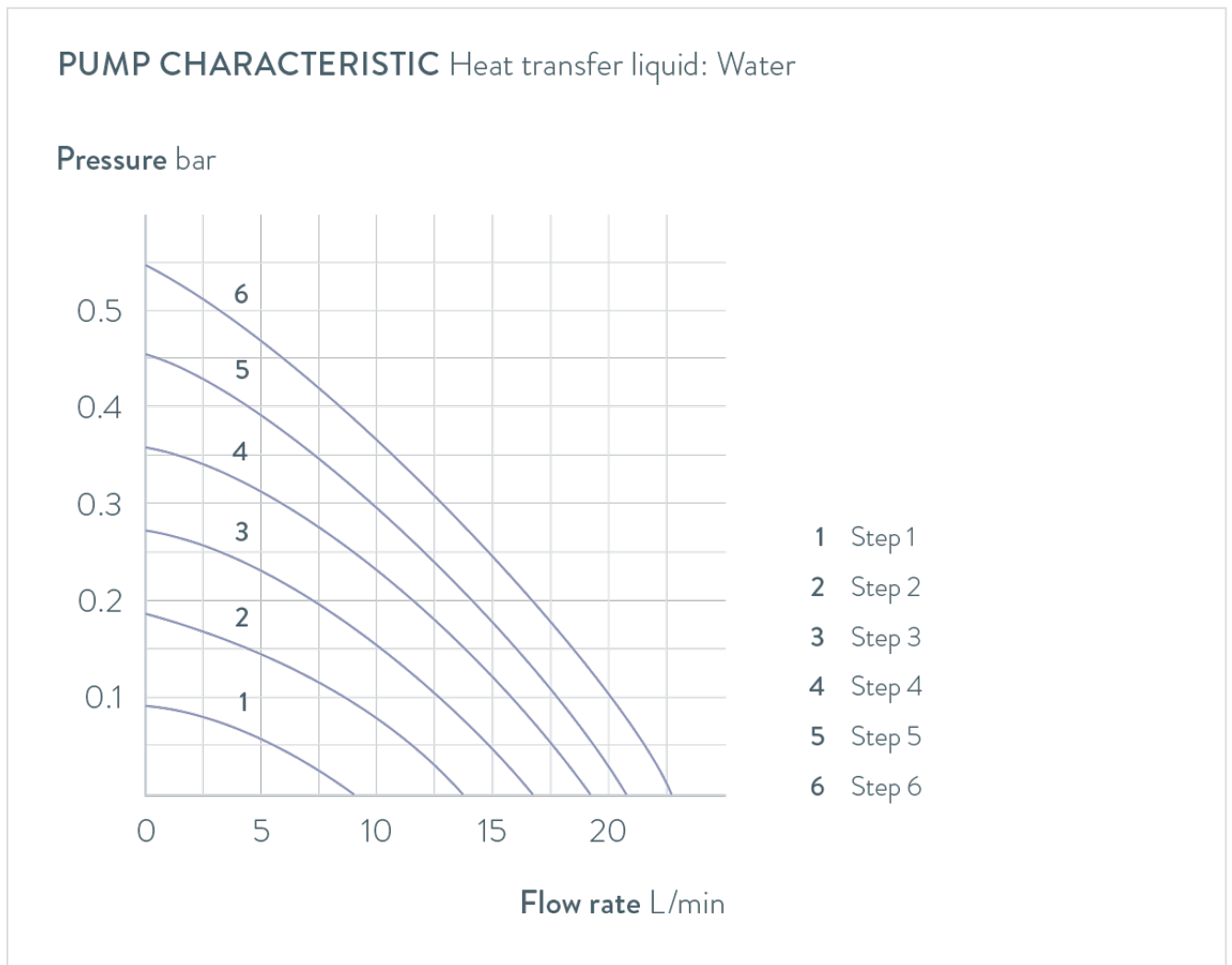
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