

## PRODUCT DATA SHEET

Standing: 2024-03-20

### LAUDA ECO RE 1050 G

Cooling thermostat 230 V; 50 Hz

Part Number: L001260

#### 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
- 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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Geschäftsführer:  
Dr. Gunther Wobser (Vors.), Dr. Mario Englert,  
Dr. Ralf Hermann, 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.              | 2.6 kW                                    |
| Power consumption max.         | 3.1 kW                                    |
| Current max.                   | 14 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 CO2-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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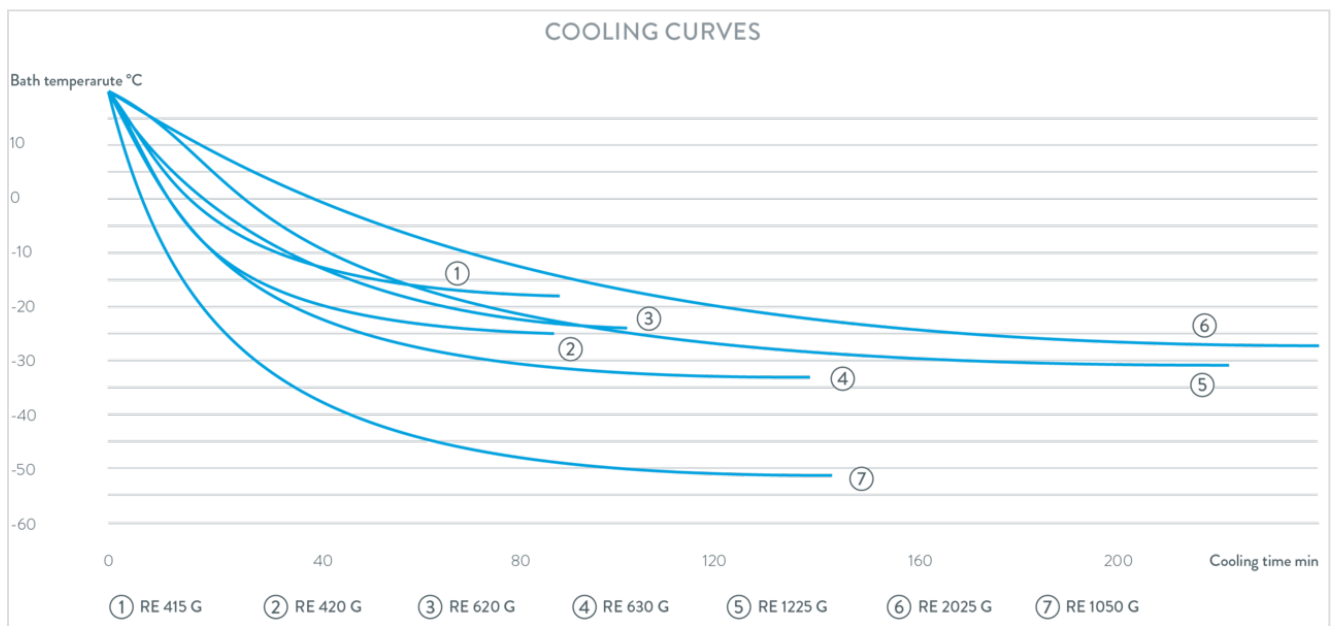
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### Standard accessories

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



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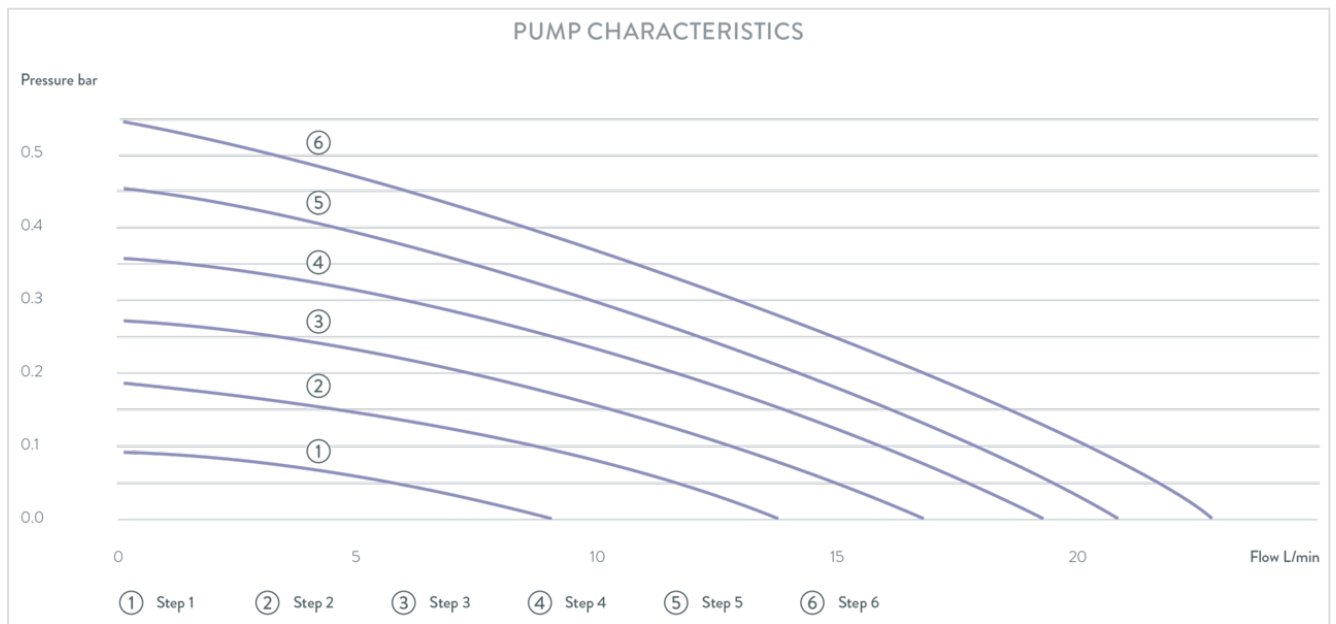
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