

## PRODUCT DATA SHEET

Standing: 2024-01-22

LAUDA ECO RE 420 S

Cooling thermostat 230 V; 50 Hz

Part Number: L001357

### 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



Reserve technical changes



Working temperature min.  
-20 °C



Working temperature max.  
200 °C

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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 (BS1363)
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

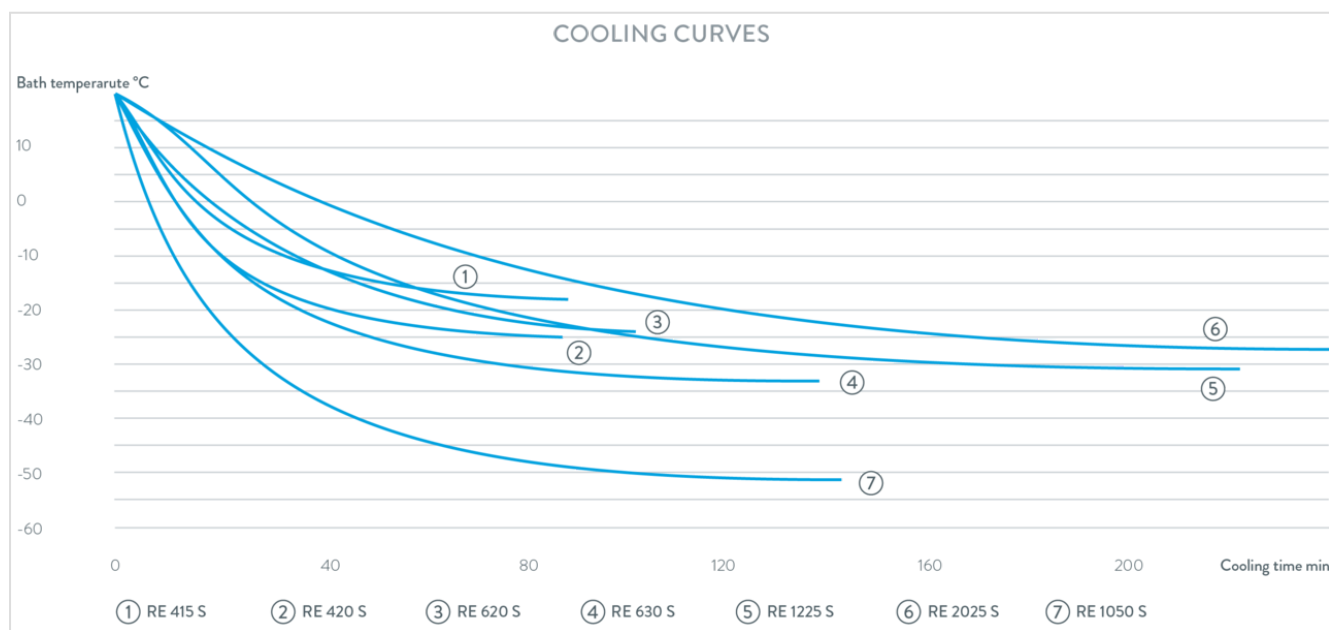
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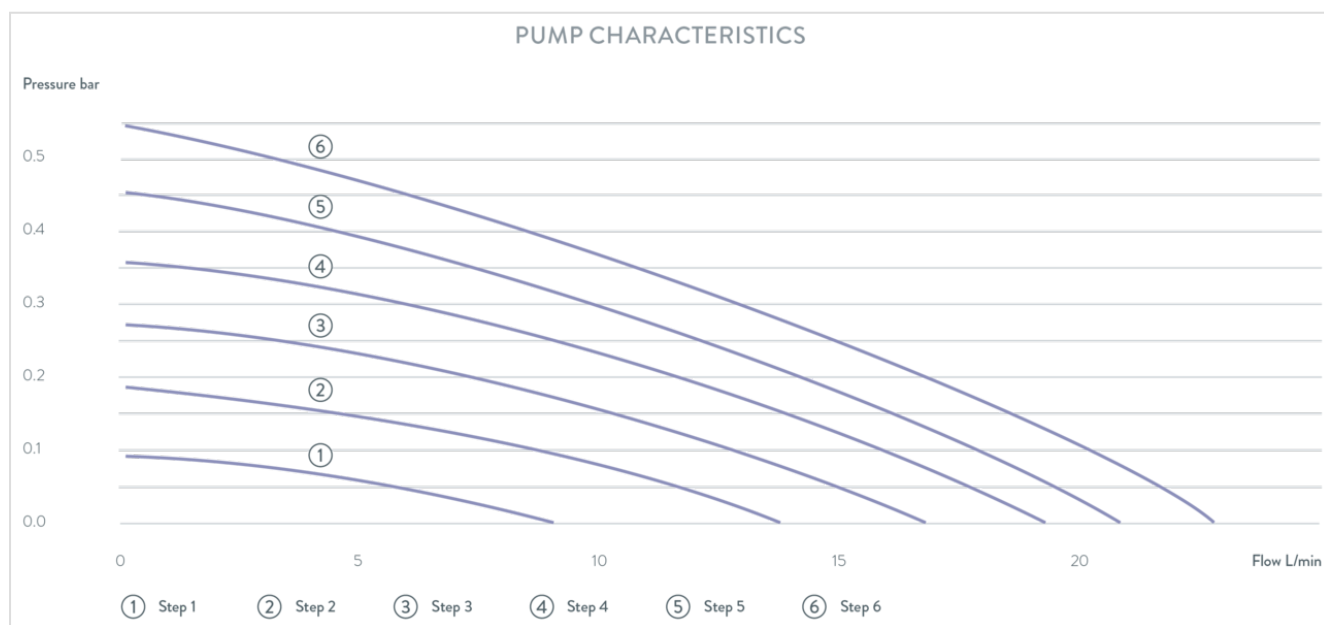
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**Pricing on any accessories shown can be found by keying the part number into the search box on our website.**

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.