

PRODUCT DATA SHEET

Standing: 2024-12-06

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



Reserve technical changes



Working temperature min.
-20 °C



Working temperature max.
200 °C

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Persönlich haftende Gesellschafterin:
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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.	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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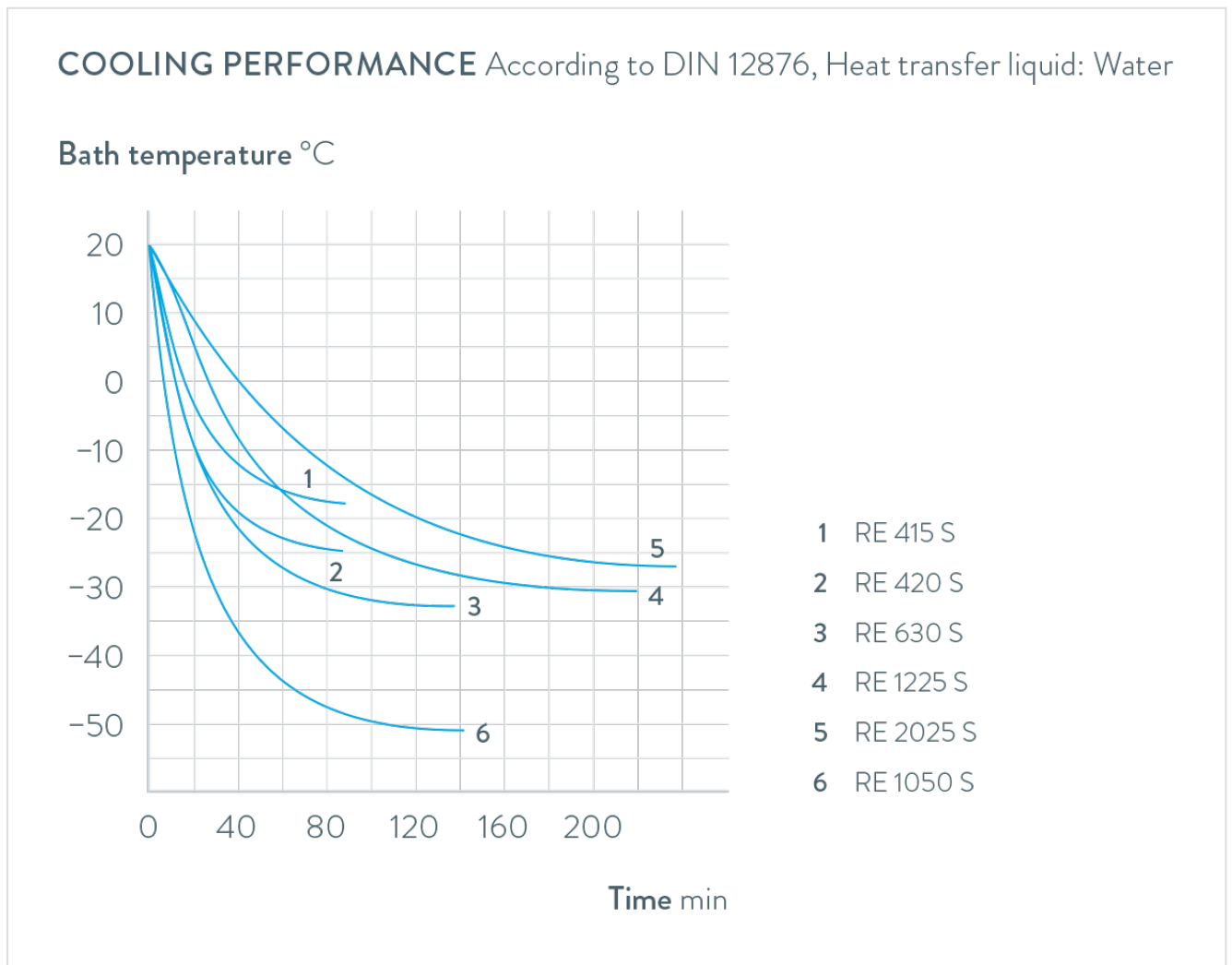
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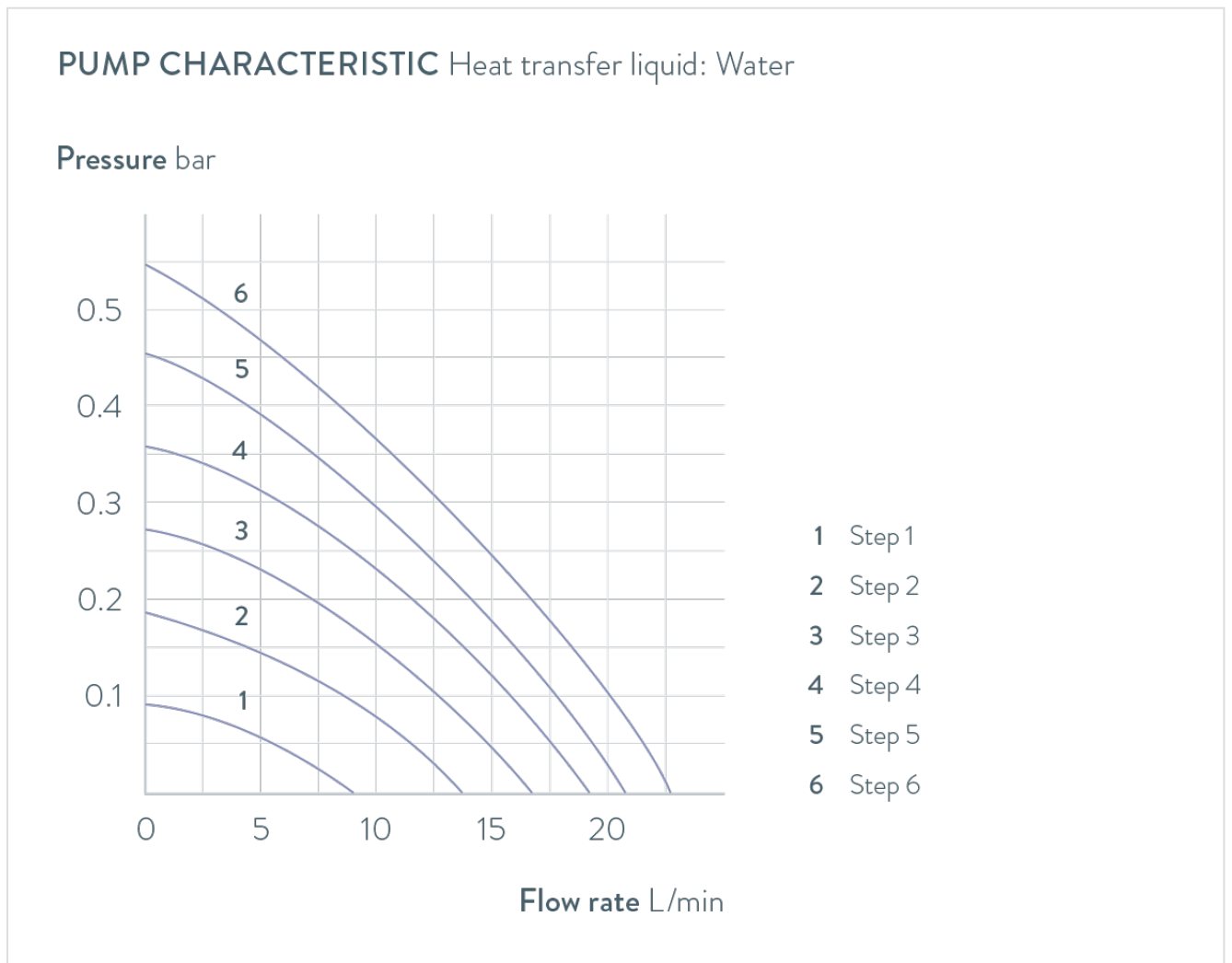
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