

PRODUCT DATA SHEET

Standing: 2024-12-06

LAUDA ECO RE 415 S

Cooling thermostat 115 V; 60 Hz

Part Number: L001433

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.
-15 °C



Working temperature max.
200 °C

LAUDA DR. R. WOBSEY GMBH & CO. KG
Laudaplatz 1 • 97922 Lauda-Königshofen • DE

T + 49 (0) 9343 503-0
info@lauda.de • www.lauda.de
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
Sitz Lauda-Königshofen
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	-15 ... 200 °C
Ambient temperature range	5 ... 40 °C
Temperature stability	0.02 ± K
Heater power max.	1.3 kW
Power consumption max.	1.4 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 350 x 546 mm
Weight	21 kg
Power supply	115 V; 60 Hz
Power plug	Power cord with plug (NEMA 5-15P)
Refrigerant stage 1	R-134a (GWP 1430); 0.058 kg; 0.1 t CO2-eq

Reserve technical changes

Temperature	Pump stage	Heat transfer liquid	Cooling Capacity 60 Hz
20 °C	2	Ethanol	0.18 kW
0 °C	2	Ethanol	0.12 kW
-15 °C	2	Ethanol	0.03 kW

Standard accessories

- 1 Bath cover
- 1 closing plug

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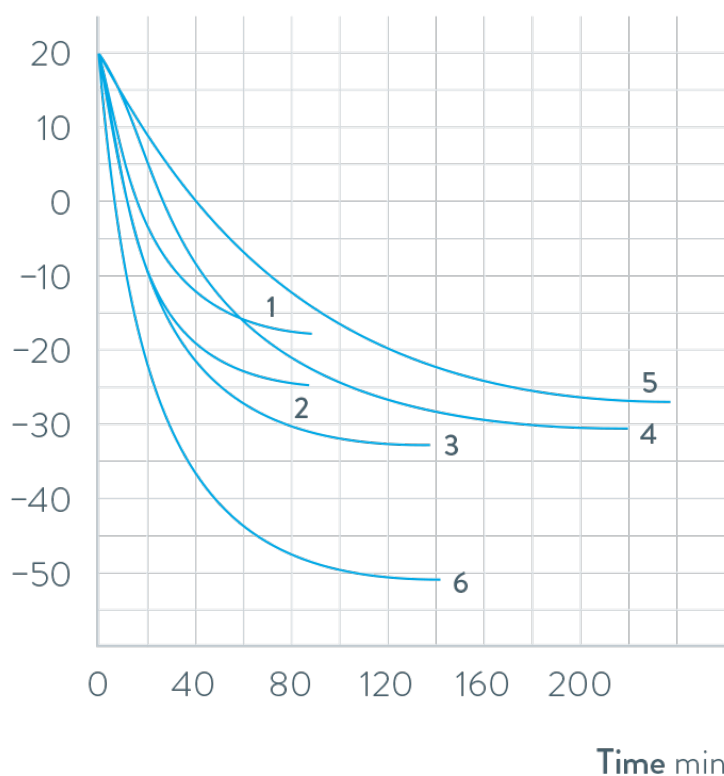
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COOLING PERFORMANCE According to DIN 12876, Heat transfer liquid: Water

Bath temperature °C



- 1 RE 415 S
- 2 RE 420 S
- 3 RE 630 S
- 4 RE 1225 S
- 5 RE 2025 S
- 6 RE 1050 S

Reserve technical changes

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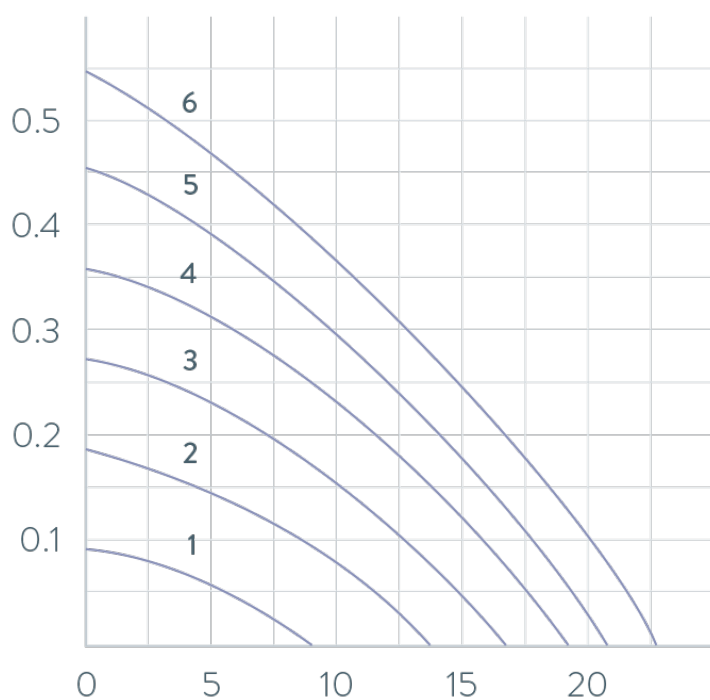
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PUMP CHARACTERISTIC Heat transfer liquid: Water

Pressure bar



- 1 Step 1
- 2 Step 2
- 3 Step 3
- 4 Step 4
- 5 Step 5
- 6 Step 6

Flow rate L/min

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