

PRODUCT DATA SHEET

Standing: 2021-07-21

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



Reserve technical changes



Working temperature min.
-20 °C



Working temperature max.
200 °C

LAUDA DR. R. WOBSEY GMBH & CO. KG
Pfarrstraße 41/43 • 97922 Lauda-Königshofen
Postfach 1251 • 97912 Lauda-Königshofen • DE

T + 49 (0) 9343 503-0 • F + 49 (0) 9343 503-222
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

PRODUCT DATA SHEET

Standing: 2021-07-21

LAUDA ECO RE 420 S
 Cooling thermostat 230 V; 50 Hz
 Part Number: L001333

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
Power consumption	10 A
Pump Pressure max.	0.6 bar
Pump flow rate pressure max.	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
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 ₂ -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

LAUDA DR. R. WOBSEY GMBH & CO. KG
 Pfarrstraße 41/43 • 97922 Lauda-Königshofen
 Postfach 1251 • 97912 Lauda-Königshofen • DE

T + 49 (0) 9343 503-0 • F + 49 (0) 9343 503-222
 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

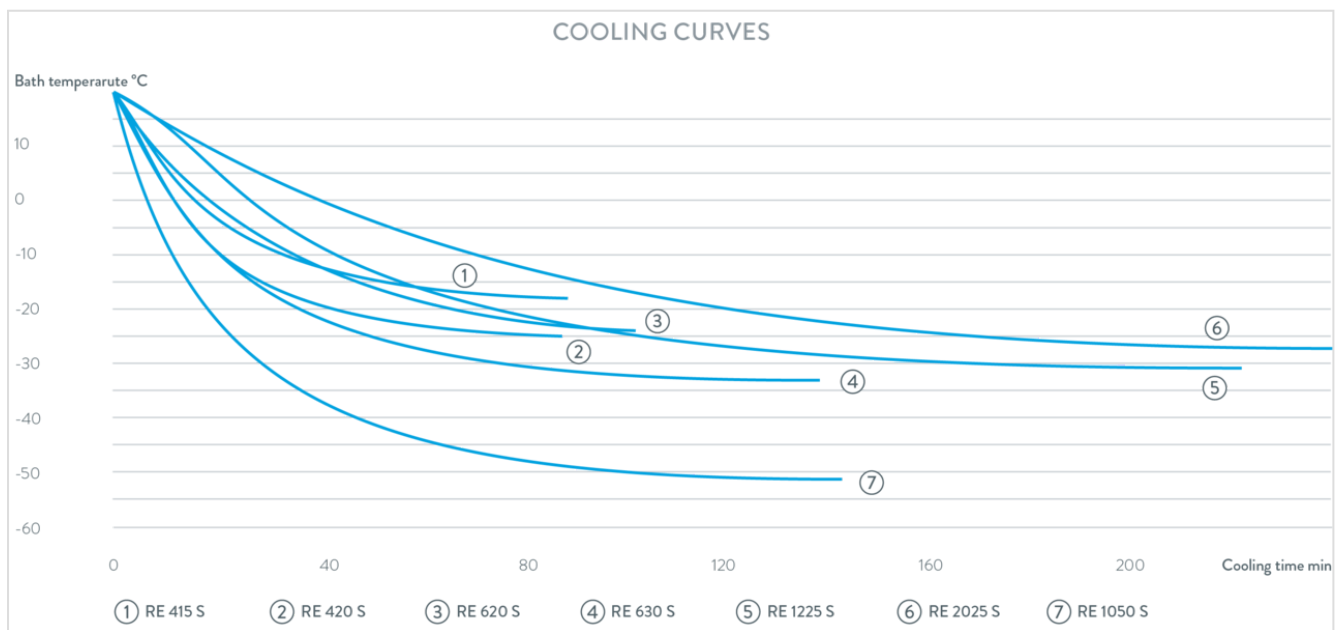
PRODUCT DATA SHEET

Standing: 2021-07-21

LAUDA ECO RE 420 S

Cooling thermostat 230 V; 50 Hz

Part Number: L001333



Reserve technical changes

LAUDA DR. R. WOBSEY GMBH & CO. KG
Pfarrstraße 41/43 · 97922 Lauda-Königshofen
Postfach 1251 · 97912 Lauda-Königshofen · DE

T + 49 (0) 9343 503-0 · F + 49 (0) 9343 503-222
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

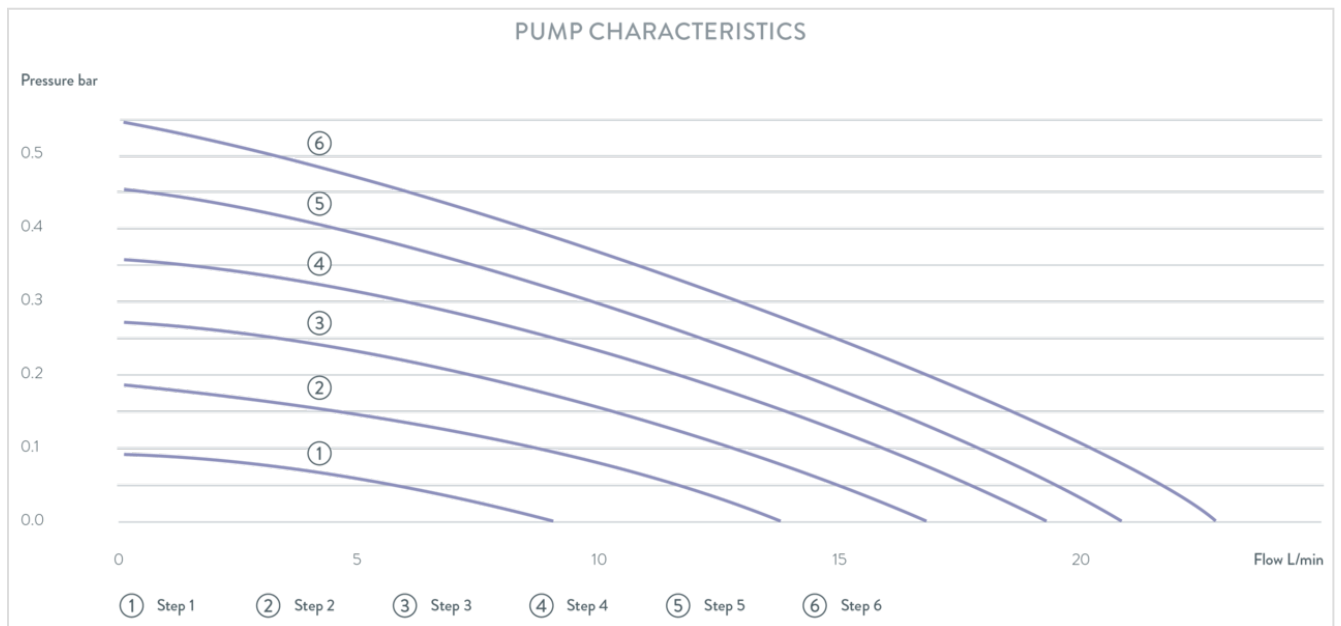
PRODUCT DATA SHEET

Standing: 2021-07-21

LAUDA ECO RE 420 S

Cooling thermostat 230 V; 50 Hz

Part Number: L001333



Reserve technical changes

LAUDA DR. R. WOBSEY GMBH & CO. KG
Pfarrstraße 41/43 • 97922 Lauda-Königshofen
Postfach 1251 • 97912 Lauda-Königshofen • DE

T + 49 (0) 9343 503-0 • F + 49 (0) 9343 503-222
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