

PRODUCT DATA SHEET

Standing: 2021-07-21

LAUDA ECO RE 420 G

Cooling thermostat 230 V; 50 Hz

Part Number: L001339

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
- Condenser cooling Air
- Utilizes natural refrigerants



Reserve technical changes

PRODUCT DATA SHEET

Standing: 2021-07-21

LAUDA ECO RE 420 G

Cooling thermostat 230 V; 50 Hz

Part Number: L001339



Working temperature min.
-20 °C



Working temperature max.
200 °C

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.	2.6 kW
Power consumption max.	2.8 kW
Power consumption	13 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

PRODUCT DATA SHEET

Standing: 2021-07-21

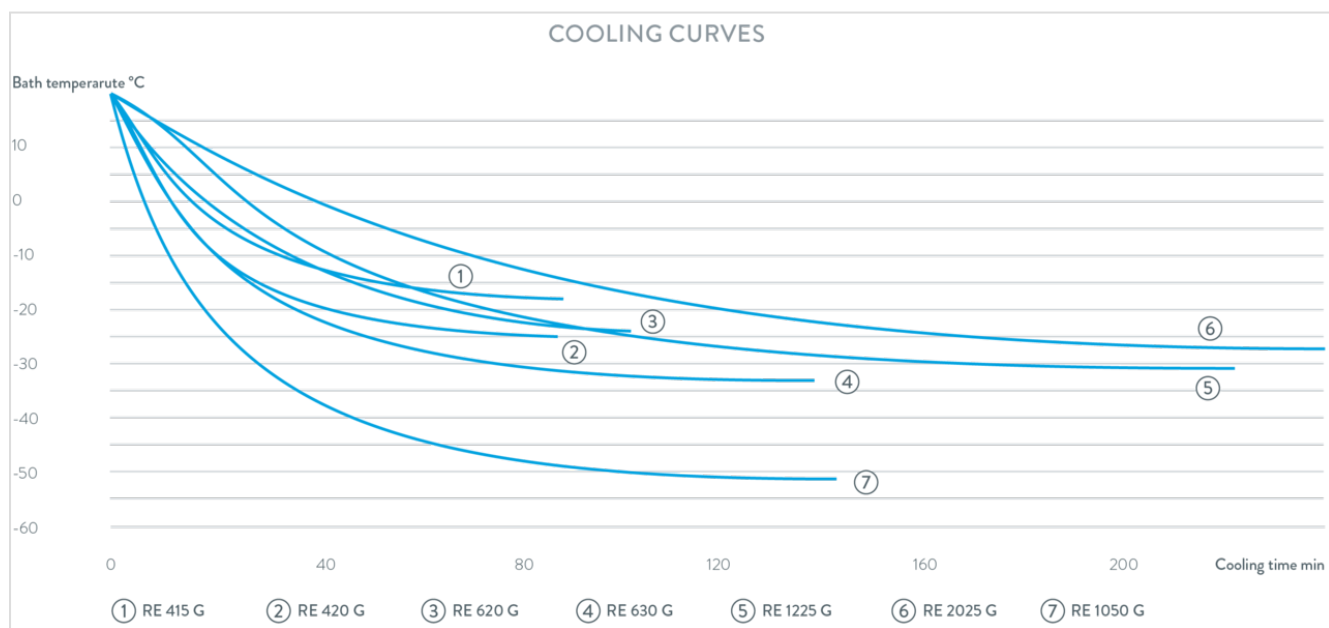
LAUDA ECO RE 420 G

Cooling thermostat 230 V; 50 Hz

Part Number: L001339

Standard accessories

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



Reserve technical changes

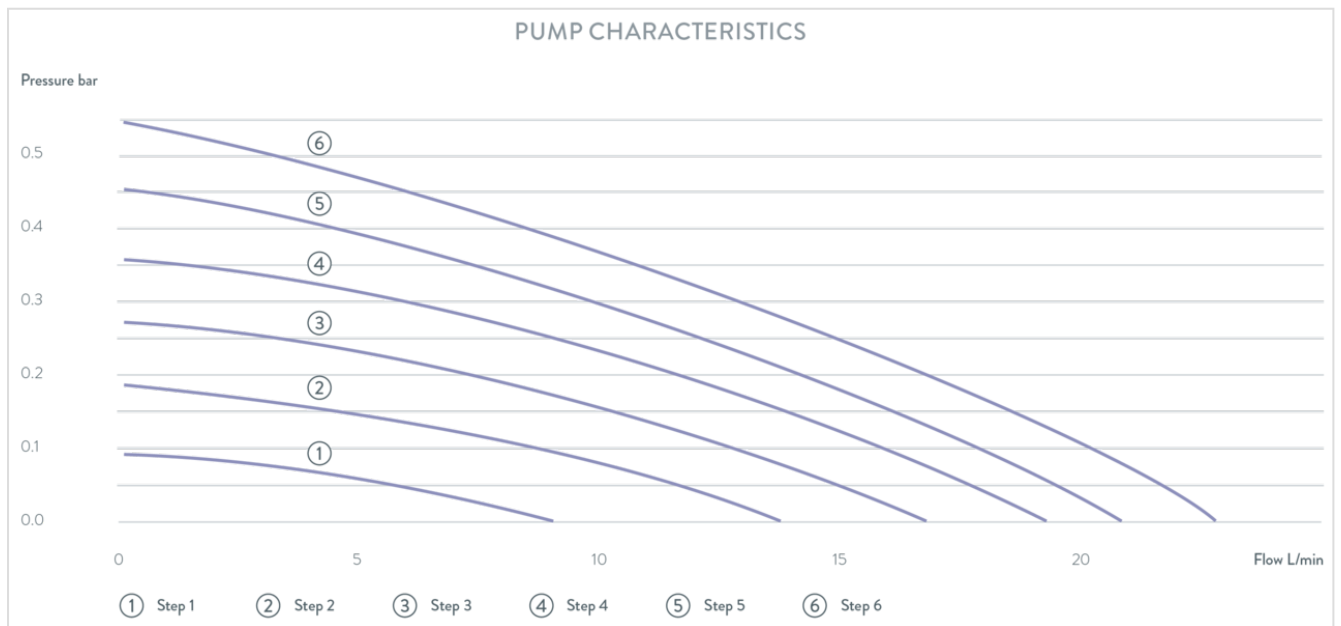
PRODUCT DATA SHEET

Standing: 2021-07-21

LAUDA ECO RE 420 G

Cooling thermostat 230 V; 50 Hz

Part Number: L001339



Reserve technical changes