

## PRODUCT DATA SHEET

Standing: 2024-09-05

### LAUDA ECO RE 1050 G

Cooling thermostat 220 V; 60 Hz

Part Number: L001416

#### 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
- Energy saving SmartCool system
- 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.  
-50 °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

# PRODUCT DATA SHEET

Standing: 2024-09-05

LAUDA ECO RE 1050 G  
 Cooling thermostat 220 V; 60 Hz  
 Part Number: L001416

### Technical Features (according to DIN 12876)

Working temperature range	-50 ... 200 °C
Ambient temperature range	5 ... 40 °C
Temperature stability	0.02 ± K
Heater power max.	2.4 kW
Power consumption max.	2.9 kW
Current max.	14 A
Pump Pressure max.	0,6 bar
Pump flow rate max. (pressure)	22 L/min
Bath volume min. / max.	8.0 / 10.0 L
Size of bath (W x D x H)	200 x 200 x 160 mm
Overall dimensions (WxDxH)	280 x 440 x 624 mm
Weight	34 kg
Power supply	220 V; 60 Hz
Power plug	Power cord with plug (NEMA 6-20P)
Refrigerant stage 1	R-452A (GWP 2140); 0.270 kg; 0.6 t CO2-eq

Reserve technical changes

Temperature	Pump stage	Heat transfer liquid	Cooling Capacity 60 Hz
20 °C	2	Ethanol	0.7 kW
0 °C	2	Ethanol	0.6 kW
-20 °C	2	Ethanol	0.35 kW
-30 °C	2	Ethanol	0.19 kW
-40 °C	2	Ethanol	0.1 kW
-50 °C	2	Ethanol	0.02 kW

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

## PRODUCT DATA SHEET

Standing: 2024-09-05

LAUDA ECO RE 1050 G

Cooling thermostat 220 V; 60 Hz

Part Number: L001416

### Standard accessories

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

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

## PRODUCT DATA SHEET

Standing: 2024-09-05

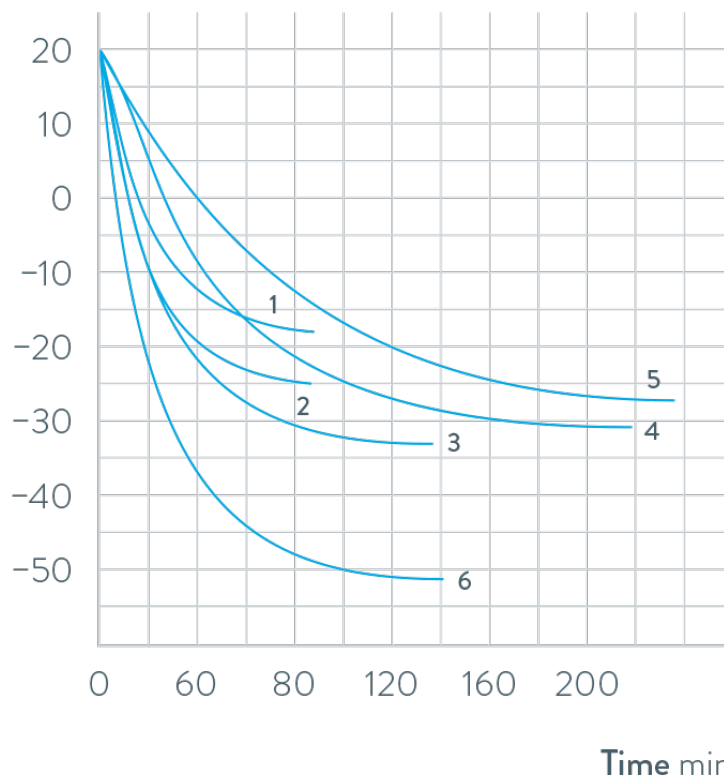
LAUDA ECO RE 1050 G

Cooling thermostat 220 V; 60 Hz

Part Number: L001416

### COOLING PERFORMANCE Heat transfer liquid: Ethanol, bath closed

Bath temperature °C



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

Reserve technical changes

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

## PRODUCT DATA SHEET

Standing: 2024-09-05

LAUDA ECO RE 1050 G

Cooling thermostat 220 V; 60 Hz

Part Number: L001416



Reserve technical changes

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