

PRODUCT DATA SHEET

Standing: 2023-04-02

LAUDA PRO RP 250 EC

Cooling heating circulator 230 V; 50 Hz

Part Number: L002497

Features

- Thermostatic circulator with latest microprocessor technology. Integrated cooling system
- Large 5,7" Multi-Touch-Color display
- Operation with multi touch display
- Command console can be detached and used as remote control
- User administration for up to 20 user
- Data in- and export via USB
- Timer und count-down-function
- EasyUse system for simple operation of the whole unit
- Low-level and adjustable over-temperature protection with acoustic alarm for use with flammable and non-flammable liquids
- SelfCheck Assistant for system diagnosis
- USB and Ethernet interface equipped as standard
- Retrofittable for upgrading with interface (RS 232/485, Profibus; EtherCAT; analogue or contact modules)
- Fully electronic continuous controller with PID action for internal & external control
- PowerAdapt system for the use of the maximum possible amount of heat permitted by the power supply system
- Programmer with up to 100 programs, up to 50 segments each
- Tower design with small footprint
- LAUDA Varioflex pump (pressure/suction) with 8 selectable levels, connections rear
- Low filling volume enables rapid changes in temperature
- Bath vessel made of stainless steel (insulated, with overflow and drain tap)
- SmartCool system for energy-saving digital cooling management including compressor on-off control
- Hybrid cooling system: (heat removal complementary with cooling water)
- Utilises traditional refrigerants (HFCs) in accordance with European legislation to control F-gases (EU) 517/2014



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 • 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. Ralf Hermann, Dr. Marc Stricker
Beirat: Dr. Gerhard Wobser

PRODUCT DATA SHEET

Standing: 2023-04-02

LAUDA PRO RP 250 EC

Cooling heating circulator 230 V; 50 Hz

Part Number: L002497

Technical Features (according to DIN 12876)

| | |
|---|--|
| Working temperature range | -50 ... 200 °C |
| Operating temperature range | -50 ... 200 °C |
| Ambient temperature range | 5 ... 40 °C |
| Temperature stability | 0.05 ± K |
| Heater power max. | 2.5 kW |
| Power consumption max. | 3.7 kW |
| Current max. | 16 A |
| Pump Pressure max. | 0,7 bar |
| Pump suction max. | 0,4 bar |
| Pump flow rate max. (pressure) | 22 L/min |
| Pump Flow rate max. (suction) | 20 L/min |
| In / Outlet connection thread (outside) | M16 x 1 |
| In / Outlet Ø olives | 13 mm |
| Filling volume min. | 2.4 L |
| Filling volume max. | 4.4 L |
| Overall dimensions (WxDxH) | 300 x 430 x 675 mm |
| Weight | 48 kg |
| Refrigerant stage 1 | R-452A (GWP 2140); 0.300 kg; 0.6 t CO ₂ -eq |
| Power supply | 230 V; 50 Hz |
| Power plug | Power cord with angled plug (CEE7/7) |

Reserve technical changes

LAUDA DR. R. WOBSEY GMBH & CO. KG
Laudaplatz 1 • 97922 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. Ralf Hermann, Dr. Marc Stricker
Beirat: Dr. Gerhard Wobser

PRODUCT DATA SHEET

Standing: 2023-04-02

LAUDA PRO RP 250 EC

Cooling heating circulator 230 V; 50 Hz

Part Number: L002497

| Temperature | Pump stage | Heat transfer liquid | Cooling Capacity 50 Hz |
|-------------|------------|----------------------|------------------------|
| 20 °C | 8 | Ethanol | 1.5 kW |
| 10 °C | 8 | Ethanol | 1.44 kW |
| 0 °C | 8 | Ethanol | 1.2 kW |
| -10 °C | 8 | Ethanol | 0.84 kW |
| -20 °C | 4 | Ethanol | 0.54 kW |
| -30 °C | 4 | Ethanol | 0.29 kW |
| -40 °C | 4 | Ethanol | 0.11 kW |
| -45 °C | 4 | Ethanol | 0.04 kW |
| -50 °C | 2 | Ethanol | 0.02 kW |

Standard accessories

- 2 screw caps, 2 closing plugs
- 2 nipples 13 mm for pump connectors
- 2 nipples 10 mm with screw cap G3/8 for cooling water

LAUDA DR. R. WOBSEY GMBH & CO. KG
Laudaplatz 1 • 97922 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. Ralf Hermann, Dr. Marc Stricker
Beirat: Dr. Gerhard Wobser

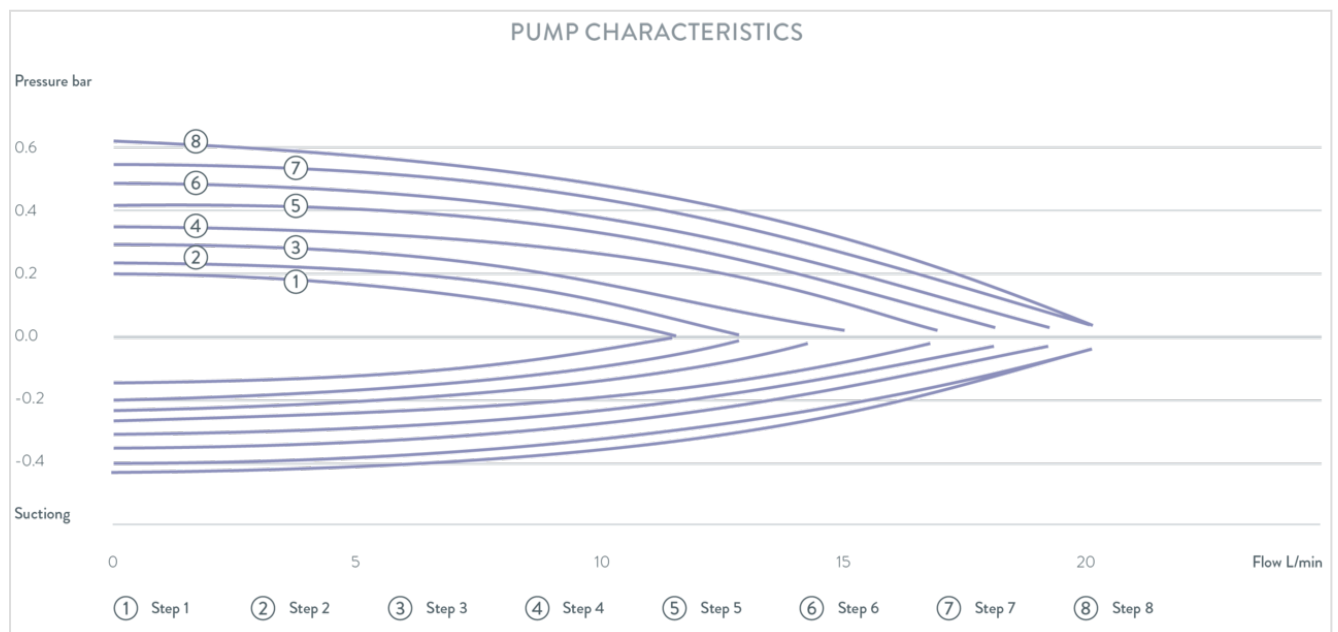
PRODUCT DATA SHEET

Standing: 2023-04-02

LAUDA PRO RP 250 EC

Cooling heating circulator 230 V; 50 Hz

Part Number: L002497



Reserve technical changes

LAUDA DR. R. WOBSEY GMBH & CO. KG
Laudaplatz 1 • 97922 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. Ralf Hermann, Dr. Marc Stricker
Beirat: Dr. Gerhard Wobser