

## PRODUCT DATA SHEET

Standing: 2024-03-19

### LAUDA PRO RP 245 E

Cooling heating circulator 230 V; 50 Hz

Part Number: L000033

#### Features

- Thermostatic circulator with latest microprocessor technology. Integrated cooling system
- Bright and high-contrast graphic OLED display
- Integrated programmer, 1 programme with max. 20 segments
- Operation with Cursor- and Softkeys
- EasyUse system for simple operation of the whole unit
- SelfCheck Assistant for system diagnosis
- Command console can be detached and used as remote control
- Tower design with small footprint
- Low filling volume enables rapid changes in temperature
- Bath vessel made of stainless steel (insulated, with overflow and drain tap)
- LAUDA Varioflex pump (pressure/suction) with 8 selectable levels, connections rear
- 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
- Low-level and adjustable over-temperature protection with acoustic alarm for use with flammable and non-flammable liquids
- 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) 573/2024



Reserve technical changes



Working temperature min.  
-45 °C



Working temperature max.  
200 °C

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WEEE-Reg.-Nr.: DE 66 42 40 57

Kommanditgesellschaft: Sitz Lauda-Königshofen  
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Persönlich haftende Gesellschafterin:  
LAUDA DR. R. WOBSEY Verwaltungs-GmbH  
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Geschäftsführer:  
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Dr. Ralf Hermann, Dr. Marc Stricker  
Beirat: Dr. Gerhard Wobser

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## Technical Features (according to DIN 12876)

|   |  |
|---|--|
| Working temperature range               | -45 ... 200 °C   |
| Operating temperature range             | -45 ... 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                                  | 39 kg  |
| Refrigerant stage 1                     | R-449A (GWP 1397); 0.300 kg; 0.4 t CO <sub>2</sub> -eq |
| Power supply                            | 230 V; 50 Hz   |
| Power plug                              | Power cord with angled plug (CEE7/7)                   |

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| Temperature | Pump stage | Heat transfer liquid | Cooling Capacity 50 Hz |
|-------------|------------|----------------------|------------------------|
| 20 °C       | 8          | Ethanol              | 0.8 kW                 |
| 10 °C       | 8          | Ethanol              | 0.8 kW                 |
| 0 °C        | 8          | Ethanol              | 0.8 kW                 |
| -10 °C      | 8          | Ethanol              | 0.53 kW                |
| -20 °C      | 4          | Ethanol              | 0.34 kW                |
| -30 °C      | 4          | Ethanol              | 0.15 kW                |
| -35 °C      | 4          | Ethanol              | 0.09 kW                |
| -40 °C      | 4          | Ethanol              | 0.04 kW                |
| -45 °C      | 2          | Ethanol              | 0.01 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

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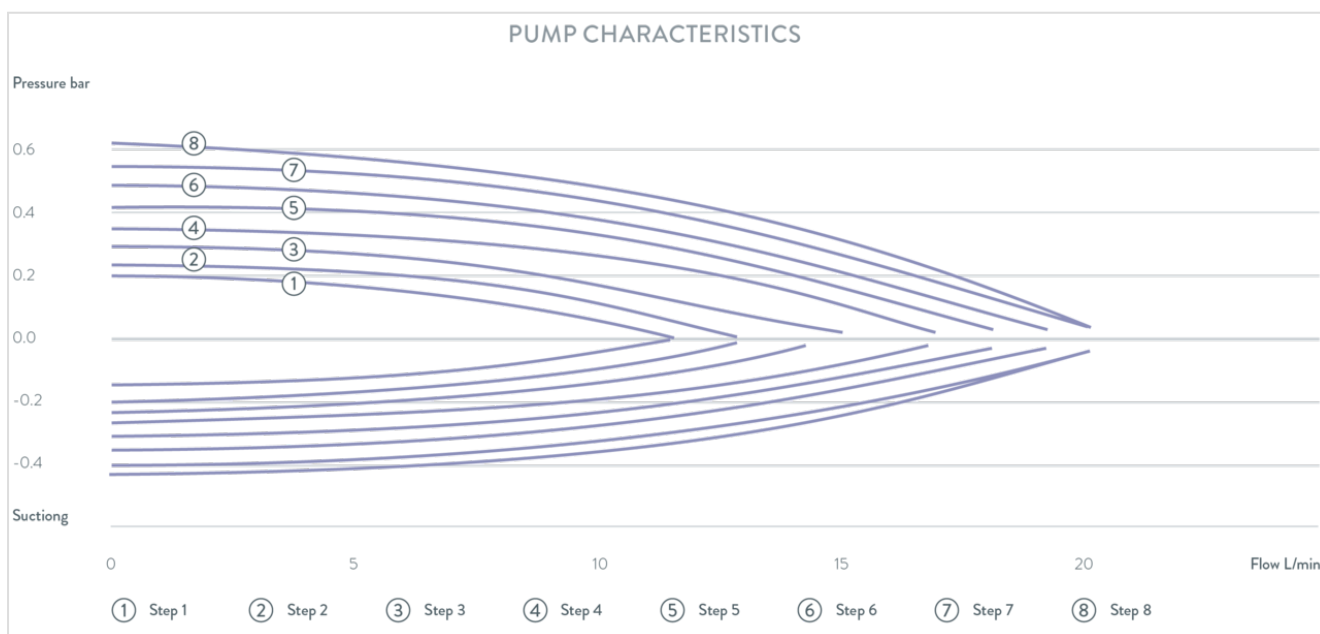
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