PRODUCT DATA SHEET

Published: 2026-11-26

LAUDA PRO RP 290 EC

Cooling heating circulator 208-220 V; 60 Hz

Part Number: L004599



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
- 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
- Low-level and adjustable over-temperature protection with acoustic alarm for use with flammable and non-flammable liquids
- 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)
- Utilizes natural refrigerants

Working temperature min.
-90 °C

Working temperature max.
200 °C

Reserve technical changes

LAUDA DR. R. WOBSER 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. WOBSER Verwaltungs-GmbH
Sitz Lauda-Königshofen
Registergericht Mannheim • HRB 560226

Geschäftsführer:
Dr. Gunther Wobser (Vors.),
Dr. Marc Stricker
Beirat: Dr. Gerhard Wobser

PRODUCT DATA SHEET

Published: 2026-11-26

LAUDA PRO RP 290 EC

Cooling heating circulator 208-220 V; 60 Hz

Part Number: L004599

Technical Features (according to DIN 12876)	
Working temperature range	-90 ... 200 °C
Operating temperature range	-90 ... 200 °C
Ambient temperature range	5 ... 40 °C
Temperature stability	0.05 ± K
Safety fittings	FL
Heater power max.	2.3 kW
Power consumption max.	3.5 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 ∅ olives	13 mm
Filling volume min.	2.4 L
Filling volume max.	4.4 L
Overall dimensions (WxDxH)	390 x 600 x 685 mm
Refrigerant stage 1	R-290 (GWP 3); 0.120 kg; 0.0 t CO2-eq
Refrigerant stage 2	R-170 (GWP 6); 0.070 kg; 0.0 t CO2-eq
Power supply	208-220 V; 60 Hz
Power plug	Power cord with plug (NEMA 6-20P)

Reserve technical changes

LAUDA DR. R. WOBSER 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. WOBSER Verwaltungs-GmbH
Sitz Lauda-Königshofen
Registergericht Mannheim • HRB 560226

Geschäftsführer:
Dr. Gunther Wobser (Vors.),
Dr. Marc Stricker
Beirat: Dr. Gerhard Wobser

PRODUCT DATA SHEET

Published: 2026-11-26

LAUDA PRO RP 290 EC

Cooling heating circulator 208-220 V; 60 Hz

Part Number: L004599



Power cord with plug (NEMA 6-20P)

Temperature	Pump stage	Heat transfer liquid	Cooling Capacity 60 Hz
20 °C	8	Ethanol	0.8 kW
10 °C	8	Ethanol	0.77 kW
0 °C	8	Ethanol	0.74 kW
-10 °C	8	Ethanol	0.72 kW
-20 °C	4	Ethanol	0.7 kW
-30 °C	4	Ethanol	0.68 kW
-40 °C	4	Ethanol	0.64 kW
-50 °C	4	Ethanol	0.56 kW
-60 °C	4	Ethanol	0.39 kW
-70 °C	4	Ethanol	0.21 kW
-80 °C	4	Ethanol	0.09 kW
-90 °C	2	Ethanol	0.01 kW

Reserve technical changes

Standard accessories

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

LAUDA DR. R. WOBSER 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. WOBSER Verwaltungs-GmbH
Sitz Lauda-Königshofen
Registergericht Mannheim • HRB 560226

Geschäftsführer:
Dr. Gunther Wobser (Vors.),
Dr. Marc Stricker
Beirat: Dr. Gerhard Wobser

PRODUCT DATA SHEET

Published: 2026-11-26

LAUDA PRO RP 290 EC

Cooling heating circulator 208-220 V; 60 Hz

Part Number: L004599

Standard accessories

- 2 nipples 10 mm with screw cap G3/8 for cooling water

Reserve technical changes

LAUDA DR. R. WOBSER 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. WOBSER Verwaltungs-GmbH
Sitz Lauda-Königshofen
Registergericht Mannheim • HRB 560226

Geschäftsführer:
Dr. Gunther Wobser (Vors.),
Dr. Marc Stricker
Beirat: Dr. Gerhard Wobser