

PRODUCT DATA SHEET

Standing: 2024-06-14

LAUDA Versafreeze VF 70085

Upright Freezer 230 V; 50 Hz

Part Number: L003369

Features

- Laboratory upright freezer with reliable monitoring and highly efficient insulation for long-term storage and quality assurance
- Comfortable touchscreen control unit with digital display for entering and calling up all safety-relevant values
- Limit values for high and low temperature alarm adjustable
- Protection against unauthorized access to setpoints through password-protected user management
- Electronic alarm system and potential-free contact for connection to an in-house alarm system or the central control system
- Display and alarm functions are maintained in the event of a power failure (battery backup)
- Interior completely made of stainless steel
- Seven inner compartments, each protected against loss of cold by an insulating door
- For long-term storage and quality assurance of organic substances and other materials
- Built-in data logger for storing temperature and alarm data
- IIOT ready via powerful Ethernet interface
- RS 485 interface for trouble-free data transfer
- Cooling coils blown into the sides ensure direct cold transfer from all sides, high freezing speed and uniform temperature distribution throughout the whole cabinet
- Energy-saving, maintenance-free refrigeration system with fully hermetic high-performance compressors
- Environmentally friendly, future-proof natural refrigerants
- Vacuum insulation means more storage space with a reduced footprint
- Two lead-throughs with an internal diameter of 13 mm as standard, for inserting control sensors, eg Type Pt100
- Magnetic sealing system reliably prevents the door / lid seals from freezing on



Reserve technical changes



Working temperature min.
-86 °C



Working temperature max.
-50 °C

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Technical Features

Working temperature range	-86 ... -50 °C
Temperature stability	2 ± K
Temperature homogeneity	6 K at -86 °C
Ambient temperature range	15 ... 28 °C
Useable volume	731 L
Interior dimensions (WxDxH)	738 x 750 x 1320 mm
Overall dimensions (WxDxH)	980 x 1179 x 1965 mm
Weight	387 kg
Cool down time	from 20 °C to -86 °C in 7 h
Thawing time	from -86 °C to 0 °C in 25 h
Energy consumption	15.5 kWh/d at -86 °C
Refrigerant stage 1	R-290 (GWP 3); 0.145 kg; 0.0 t CO ₂ -eq
Refrigerant stage 2	R-170 (GWP 6); 0.090 kg; 0.0 t CO ₂ -eq
Power supply	230 V; 50 Hz
Power plug	Power cord with angled plug (BS1363)

Reserve technical changes



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Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.