

## PRODUCT DATA SHEET

Published: 2025-10-27

LAUDA Versafreeze VF 15085

Upright Freezer 230 V; 50 Hz

Part Number: L003446

### 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)
- One inner compartment 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
- Can be built under a work bench (can easily be integrated into a laboratory line) or free-standing



Reserve technical changes

### Options included

- Interior with 3 drawers made of stainless steel
- Insulating panels to avoid loss of cold, with stainless steel handle bars

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Beirat: Dr. Gerhard Wobser

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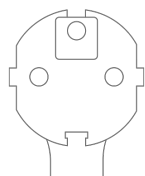
Working temperature min.  
-86 °C



Working temperature max.  
-50 °C

## Technical Features

|                             |                                                    |
|-----------------------------|----------------------------------------------------|
| Working temperature range   | -86 ... -50 °C                                     |
| Temperature stability       | 2 ± K                                              |
| Temperature homogeneity     | 3 K at -86 °C                                      |
| Ambient temperature range   | 15 ... 28 °C                                       |
| Useable volume              | 129 L                                              |
| Interior dimensions (WxDxH) | 480 x 480 x 560 mm                                 |
| Overall dimensions (WxDxH)  | 904 x 776 x 865 mm                                 |
| Weight                      | 200 kg                                             |
| Cool down time              | from 20 °C to -86 °C in 5 h                        |
| Thawing time                | from -86 °C to 0 °C in 18 h                        |
| Energy consumption          | 9.3 kWh/d at -86 °C                                |
| Refrigerant stage 1         | R-290 (GWP 3); 0.135 kg; 0.0 t CO <sub>2</sub> -eq |
| Refrigerant stage 2         | R-170 (GWP 6); 0.080 kg; 0.0 t CO <sub>2</sub> -eq |
| Power supply                | 230 V; 50 Hz                                       |
| Power plug                  | Power cord with angled plug (CEE7/7)               |



Power cord with angled plug (CEE7/7)

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