

Key switch

Digital temperature display

Minimum/maximum
temperature memory

Forced-air cooling

Visual and audible
alarm signal

High energy efficiency
through green
refrigerants
(overseas Frigen)

Comfortable access

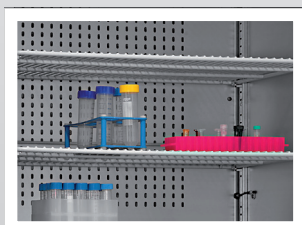
Connection for forward-
ing alarms and for PC-
supported temperature
documentation

5 Shelves

Automatic fast de-
frosting with removable
condensation container

Antifreeze

LABEX®-520



Interior protected

Possible static charges are prevented by a dissipation system.



Key switch

Protected control panel to avoid switching off the device by mistake resp. protection against unauthorised access.

LABEX®-520

Ex II 3 G Ex c ic IIB T6



- **External housing** made from galvanised sheet steel (rust-proof), with white, anti-scratch powder coating. Length of the plug cable: approx. 3 m.
- **Adjustable feet** to compensate uneven floors.
- **Interior** made from smooth aluminium with colourless protective coating. Gibs (every 15 mm) for flexible interior arrangement.
- **Interior consists** of five shelves on brackets.
- **Extra-thick 70-mm insulation**, made from high-quality, compression-moulded and environmentally friendly material. Energy saving.
- **Self-closing door** with easy-to-replace plastic magnetic seal frame, lockable.
- **Door hinged** on the right-hand side as standard (see illustration), or the left-hand side, can be retrofitted.
- **Forced-air cooling** (axial fan is protected), switches off automatically when you open the door, ensures a uniform temperature and minimises temperature deviations.
- **Valve controlled pressure compensation** for easier door opening.
- **Automatic fast defrosting** with time limit and temperature monitoring. Defrost sensors are protected by safety barriers.
- **Removable condensation container.**
- **Key switch** protected control panel against tampering. Membrane keyboard with digital temperature display and minimum/maximum temperature memory. Control and display sensors protected by safety barriers.
- **Warning functions** with visual and audible alarm signal in the case of temperature deviation.
- **Alarms** can be forwarded using a potential-free contact (e.g., to a mobile phone with optional GSM-Module or to a control centre).
- **RS485 interface** for connecting to PC-supported temperature documentation (using the optional KIRSCH-PC-KIT).
- **Antifreeze** against sub-zero temperatures.
- **Ventilation-enforced refrigerating machine**, hermetically sealed, energy saving, low noise, easy to service.
- **High energy efficiency and environmentally friendly** through green refrigerants (overseas Frigen).

Specification

Capacity	500 Liter
Temperature setting	approx. +0 °C to +20 °C
Voltage	220 – 240 V, 50 Hz
Power consumption	230 Watt
Normal consumption	2,0 kWh/24 h
Admissible ambient temperature	from +10 °C to +38 °C
Heat emission (max.)	453 Watt
Exterior dimensions (including door handle and distance from wall)	w x d x h = 77 x 76 x 193-196 cm
Interior dimensions	w x d x h = *62 x 57 x 140 cm
Exterior dimensions with door open at 90°	w x d = 77 x 144 cm
Shelfsize	w x d = 59 x 45 cm
Max. load shelf	40 kg
Weight	netto 120 kg, brutto 150 kg

*usable width 2 cm, usable depth 11 cm, usable height 13 cm less.

Optional equipment

- **Glass door with lock.**
- **Power failure alarm** (visual and audible alarm), the monitoring unit remains in operation for approx. 72 hours on battery power.
- **Equipped with castors.**
- **Drawer conductive on roller runners**
w x d x h = 57 x 39 x 5.6 cm
(a maximum of 12 drawers is possible).
- **Additional length and cross dividers** (for drawer).
- **Additional shelf** on rails or brackets.
- **Basket on rails**
w x d x h = 60 x 45 x 10 cm.
- **Aluminium tray with rails**
w x d x h = 60 x 40 x 2.5 cm.
- **Outer housing in stainless steel 4301**, longitudinal brushed.
- **GSM-Module** for alarm text message transmission (e.g., to a mobile phone).
- **Water-cooled refrigerating machine.**
- **Temperature documentation**
see detailed information on page 56.