

Touch-Display, elegant glass design, capacitive

Access control by RFID/password

Graphical display of the temperature curve and min/max temperature, logbook

Antifreeze

Forced-air cooling

Visual and audible alarm signal

5 shelves

Comfortable access

Automatic fast defrosting

potential-free contact/  
RJ 45 socket

Condensate evaporation

LABO 720 ULTIMATE

Low-noise compressor



**Fast defrosting**

Fast defrosting significantly reduces defrosting periods with minimal temperature variations.

# LABO 520/720

## ULTIMATE



according to DIN 13221

- **PRO-ACTIVE- Control:**  
Permanent, proactive monitoring of the performance data and alerts in the case of deviations – so that you can take countermeasures in good time before a fault threatens your chilled goods; world's most accurate temperature control in refrigerated areas thanks to two standard PT-1000 sensors.
- **Touch-Display**, elegant glass design, capacitive.
- **Access control** with protocol.
- **Graphical display** of the temperature curve and min/max temperature
- **External housing** made from galvanised sheet steel (rust-proof), with white, anti-scratch powder coating. Length of the plug cable: approx. 3 m.
- **Equipped with castors.**
- **Interior** made from smooth aluminium with colourless protective coating. Gibs (every 15mm) for flexible interior arrangement.
- **Interior consists** of five plastic-coated shelves on overlays.
- **Extra-thick 70 mm energy saving insulation**, made from high-quality, compression-moulded and environmentally friendly material.
- **Self-closing door** with easy-to-replace plastic magnetic seal frame, lockable.
- **Door hinge** on the right-hand side (by default, see illustration), or the left-hand side, can be retrofitted.
- **Forced-air cooling**, switches off automatically when you open the door, ensures a uniform temperature and minimizes temperature deviations.
- **Automatic fast defrosting** thanks to time-limited and temperature-monitored reversal of the refrigerant circuit.
- **Condensate evaporates** in stainless steel heated dish beneath the refrigerator floor.
- **Warning functions** with visual and audible alarm signal in the case of defective function and power failure. In the case of power failure, the monitoring unit remains in operation for approx. 30 hours on battery power. Door open alarm after 60 seconds.
- **Power failure alarm** (visual and audible alarm), the monitoring unit remains in operation for approx. 30 hours on battery power.
- **Alarms can be forwarded** can be forwarded by network or potential-free contact.
- **Digital data documentation** readable via PC-KIT-NET or USB interface and software KIRSCH Datanet.
- **Antifreeze** against sub-zero temperatures.
- **Ventilation-enforced refrigerating machine**, hermetically sealed, energy saving, low-noise, easy to service.
- **Low-noise compressor** reduces noise to 40 dB (corresponds to noise level I; sound perception: whisper).

### Specification

	LABO 520 ULTIMATE	LABO 720 ULTIMATE
Capacity	500 litres	700 litres
Temperature setting	approx. +0 °C to +15 °C	approx. +0 °C to +15 °C
Voltage	220 – 240 V, 50 Hz	220 – 240 V, 50 Hz
Power consumption	250 watts	250 watts
Normal consumption	1.4 kWh/24 h	1.46 kWh/24 h
Admissible ambient temperature	from +10 °C to +38 °C	from +10 °C to +38 °C
Heat emission (max.)	553 watts	553 watts
Exterior dimensions (including door handle and distance from wall)	w x d x h = 77 x 76 x 193-196 cm	w x d x h = 77 x 98 x 193-196 cm
Interior dimensions	w x d x h =* 62 x 57 x 140 cm	w x d x h =* 62 x 77 x 140 cm
Exterior dimensions with door open at 90°	w x d = 77 x 144 cm	w x d = 77 x 165 cm
Shelf size	w x d = 59 x 45 cm	w x d = 59 x 65 cm
Max. load shelf	40 kg	40 kg
Weight	Net weight 120 kg, gross weight 148 kg	Net weight 145 kg, gross weight 174 kg

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

### Optional equipment

- **Glass door.**
- **LED-Illumination** mounted on side wall.
- **Adjustable feet** to compensate uneven floors.
- **Condensate container** can be emptied manually if no condensation is required (e.g., in an operating theatre).
- **60 Hz cooling machine upon request**
- **Aluminium-drawer on roller runners**  
LABO 520 ULTIMATE: w x d x h = 56 x 39 x 10 cm, LABO 720 ULTIMATE: w x d x h = 56 x 60 x 10 cm, (a maximum of eight drawers is possible).
- **Additional length and cross dividers** (for drawer).
- **Stainless steel-drawer** (liquid tight)  
LABO 520 ULTIMATE: w x d x h = 56 x 39 x 10 cm, LABO 720 ULTIMATE: w x d x h = 56 x 60 x 10 cm, (a maximum of eight drawers is possible).
- **Additional shelf** on rails or overlays.
- **Basket** on rails  
LABO 520 ULTIMATE: w x d x h = 60 x 45 x 10 cm, LABO 720 ULTIMATE: w x d x h = 60 x 65 x 10 cm.
- **Aluminium tray**
- **Vario Support**, Storage Shelf on roller runners.
- **GSM-Module** for alarm text message transmission (e.g., to a mobile phone).
- **Temperature documentation:**
  - 4-pin PT 100 or PT 1000 temperature sensor, class 1/3 B, including built-in reference body.
  - Mechanical pen-recording thermometer with two waxed paper strips.