

Digital temperature display

Key switch

Forced-air cooling

Rapid freezing cycle

5 shelves

Door frame heater

Automatic fast defrosting

Minimum/maximum temperature memory

Visual and audible alarm signal

Comfortable access

Connection for forwarding alarms and for PC-supported temperature documentation



Unique combination of ATEX-mark  II 3 G Ex c IIB T6, forced-air cooling, automatic fast defrosting and controlled pressure equalization.



Forced-air cooling

High temperature precision by protected circulation fan.



Easy door opening

By the controlled pressure equalization anytime a repeated opening of the door is ensured.

FROSTER-

LABEX®-530/-730



- **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 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** (the two axial fans are protected), switches off automatically when you open the door, ensures a uniform temperature and minimizes temperature deviations.
- **Valve controlled pressure compensation** for easier door opening.
- **Automatic fast defrosting** thanks to time-limited and temperature-monitored reversal of the refrigerant circuit. 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 in the case of temperature deviations or other malfunctions. Door open alarm after 60 seconds.
- **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).
- **Rapid freezing cycle** ensures that the goods to be cooled are frozen quickly.
- **Ventilation-enforced refrigerating machine**, hermetically sealed, energy saving, low-noise, easy to service.
- **Door frame heater** prevents icing of the door.

Specification

| | FROSTER-LABEX®-530 | FROSTER-LABEX®-730 |
|--------------------------------------------------------------------|----------------------------------------|----------------------------------------|
| Capacity | 500 litres | 700 litres |
| Temperature setting | approx. -5 °C to -30 °C | approx. -5 °C to -30 °C |
| Voltage | 220 – 240 V, 50 Hz | 220 – 240 V, 50 Hz |
| Power consumption | 510 watts | 510 watts |
| Normal consumption | 4.70 kWh/24 h | 5.70 kWh/24 h |
| Admissible ambient temperature | from +10 °C to +32 °C | from +10 °C to +32 °C |
| Heat emission (max.) | 690 watts | 690 watts |
| Exterior dimensions (including distance from wall and door handle) | 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 166 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 140 kg, gross weight 170 kg | Net weight 165 kg, gross weight 200 kg |

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

Optional equipment

- **Power failure alarm** (visual and audible alarm), the monitoring unit remains in operation for approx. 72 hours on battery power.
- **Decorative door frame** for attaching the customer's decorative plates.
- **Equipped with castors.**
- **Cooling machine water-cooled.**
- **Outer housing in stainless steel 4301**, longitudinal brushed.
- **Plastic-drawer on roller runners**, conductive (only FROSTER-LABEX®-530) w x d x h = 57 x 39 x 5.6 cm (a maximum of twelve drawers is possible).
- **Additional length and cross dividers** for the drawer (only FROSTER-LABEX®-530).
- **Additional shelf** on rails or overlays.
- **Basket**
FROSTER-LABEX®-530: w x d x h = 60 x 45 x 10 cm, FROSTER-LABEX®-730: w x d x h = 60 x 65 x 10 cm, each with rails.
- **Aluminium tray**
FROSTER-LABEX®-530: w x d x h = 60 x 40 x 2.5 cm, FROSTER-LABEX®-730: w x d x h = 60 x 65 x 2.5 cm, each with rails.
- **GSM-Module** for alarm text message transmission (e.g., to a mobile phone).
- **Temperature documentation:** see detailed information on page 56.