

Problems with device qualification due to defrosting resp. temperature rise?"



## GMP compliant

Ensures a constant interior temperature even during defrosting.

- 39 % lower energy consumption
- Defrost without heating up the refrigerated goods



### Fast defrosting

Fast defrosting significantly reduces defrosting periods with minimal temperature variations.



### Clean

Control screen made of plastic with smooth surface for promoting hygiene.



# FROSTER LABO 530/730

## PRO-ACTIVE



- **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.
- **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.
- **Key switch** protected control panel against tampering. Membrane keyboard with digital temperature display and minimum/maximum temperature memory.
- **Power failure alarm** (visual and audible alarm), the monitoring unit remains in operation for approx. 30 hours on battery power.
- **Warning functions** with visual and audible alarm signal 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).
- **Data documentation** can be read via USB interface with KIRSCH Datanet software.
- **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<br>LABO 530<br>PRO-ACTIVE         | FROSTER<br>LABO 730<br>PRO-ACTIVE         |
|--|---|---|
| Capacity   | 500 litres                                | 700 litres                                |
| Temperature setting  | approx. -10 °C to -25 °C                  | approx. -10 °C to -25 °C                  |
| Voltage  | 220 – 240 V, 50 and 60 Hz                 | 220 – 240 V, 50 and 60 Hz                 |
| Power consumption  | 227 watts                                 | 230 watts                                 |
| Normal consumption   | 4.42 kWh/24 h                             | 4.58 kWh/24 h                             |
| Admissible ambient temperature                                     | from +10 °C to +32 °C                     | from +10 °C to +32 °C                     |
| Heat emission (max.)   | 426 watts                                 | 428 watts                                 |
| Exterior dimensions (including door handle and distance from wall) | w x d x h =<br>77 x 76 x 193 -<br>196 cm  | w x d x h =<br>77 x 98 x 193 -<br>196 cm  |
| Interior dimensions  | w x d x h =*<br>62 x 57 x 140 cm          | w x d x h =*<br>62 x 77 x 140 cm          |
| Exterior dimensions with door open at 90°                          | w x d =<br>77 x 144 cm                    | w x d =<br>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 140 kg,<br>gross weight 183 kg | Net weight 165 kg,<br>gross weight 200 kg |

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

### Optional equipment

- **LED-illumination** mounted on side wall.
- **Decorative door frame** for attaching the customer’s decorative plates.
- **Adjustable feet** to compensate for uneven floors. **Water-cooled refrigerating machine.**
- **Housing made of stainless steel 4301**, longitudinal brushed.
- **Plastic-drawer on roller runners** (only FROSTER-LABO-530) w x d x h = 57 x 39 x 5.6 cm (a maximum of twelve drawers is possible).
- **Aluminium-drawer on roller runners**
- **Additional length and cross dividers** (for drawer).
- **Stainless steel drawer** (liquid tight)
- **Additional shelf** on rails or overlays.
- **Basket** on rails
- **Aluminium tray** with rails
- **Vario Support**, Storage Shelf on roller runners.
- **GSM-Module** for alarm text message transmission.
- **Temperature documentation.**
  - PC-KIT-NET.
  - 4-pin PT 100 or PT 1000 temperature sensor, class 1/3 B, including built-in reference body.
  - Disc-type pen recording thermometer, with 7-day measuring cycle, incorporated, with 100 recording discs and 5 felt tip pens.
  - Kirsch Evolution Cloud