


# FROSTER-LABEX-320/-520/-720

- 4 Shelves (FROSTER-LABEX-320)
- 5 Shelves (FROSTER-LABEX-520/-720)
- Recirculating air-cooling (protected via mains supply unit)
- Automatic defrosting
- Rapid freezing cycle
- Digital temperature display
- Minimum/Maximum temperature memory
- Potential free contact
- Interface RS 485
- Optical and acoustic warning in case of temperature deviation and door open alarm
- The interior with marking:  II 3 G Ex cII B T6

**Outer panels** of galvanised sheet steel (protection against sub surface rusting), white powder coated.

**Adjustable feet** in case of uneven floor.

**Interior** of smooth aluminium sheet with clear protective coating. Light metal strip with 15 mm raster.

**Insulating**, 70 mm thick, of highgrade pressure foamed and pro-environmental material. Extra thick for energy saving effect.

**Lockable self closing door** with plastic magnetic sealing, easy to exchange. Door does not protect at side when opened.

**Door hinge** changeable (also subsequently), standard version with hinges on right (as illustrated), deliverable also with door hinge on left at no extra charge.

**Pressure balance** by temporally steered single solenoid valve.

**Defrosting** automatically with thermal control and time limit function (defrost sensor protected by safety barrier).

**During the defrosting period the necessary low temperature is kept.**

**Melt water tray** for manual emptying.

**Recirculating air-cooling** by means of a axial blower (protected through mains supply unit) which keeps the temperature constant and reduces the natural temperature stratification. The axial blower cuts out automatically when the door is opened, for a minimum loss of cold air.

**Key switch protected control panel** with digital temperature display, minimum/maximum temperature memory, optical and acoustic warning signal in case of temperature deviation and door ajar alarm with potential free contact for remote monitoring. Switch for air-humidity selection, defrost control light and red warning light. Standard equipped with interface RS 485.

**Temperature gear** by electronic thermostat (sensor protected by safety barrier). The temperature is kept automatically, independent of changing outside temperatures, provided the ambient temperature is approx. 3 °C above the selected interior temperature.

**Compressor**, dynamic ventilated, hermetically enclosed, energy saving, low noise, easy to service, for 220-240 V AC, 50 Hz mains. Other voltages on request. Length of mains cable approx. 1,8 m (FROSTER-LABEX-320), approx. 3 m (FROSTER-LABEX-520/-720).

### Equipment features at extra charge:

- Power failure alarm (optical and acoustic up to 72 hours)
- Additional drawers or shelves (drawers only for FROSTER-LABEX-520)
- Baskets with rails  
56,8 x 40 x 10 cm (FROSTER-LABEX-320),  
60 x 45 x 10 cm (FROSTER-LABEX-520),  
60 x 65 x 10 cm (FROSTER-LABEX-720).
- Aluminium trays with rails  
60 x 40 x 2,5 cm (FROSTER-LABEX-520),  
60 x 65 x 2,5 cm (FROSTER-LABEX-720).
- GSM-Module
- Castors
- Cooling machine water-cooled (FROSTER-LABEX-520/-720)

### Appliances for temperature documentation:

- PC-Kit (USB-Version)  
PC-Kit-Net (Network capable version) incl. documentation software
- Pen-recording thermometer for placing loosely inside appliance with waxed paper strips
- Disc-type pen recording thermometer with 7-day measuring cycle on top, with 100 recording discs and 5 felt tip pens.
- PT 100 or PT 1000 sensor (incl. safety barrier) for temperature recording and monitoring via EDP system



Capacity
Temperature setting
Shelves
Voltage
Power draft
Average consumption
Overall dimensions (incl. door handle)
Interior dimensions
Overall dim. with door open at 90°
Shelf dimensions
Drawer inner dimensions
Max. load per drawer/shelf
Weight

300 l

500 l

700 l

-5 to -30 °C

**FROSTER-LABEX-320**

330 litres  
 app. -5 °C to -30 °C  
 4  
 220 – 240 V, 50 Hz  
 540 Watts  
 4,58 kWh/24 h  
 w x d x h = 74 x 77 x 149 cm  
 w x d x h = 59,5 x 53 x 95 cm  
 (usable depth 12 cm less)  
 w x d = 74 x 141 cm  
 57 x 42 cm  
 –  
 –/40 kg  
 net 120 kg, gross 135 kg

**FROSTER-LABEX-520**

500 litres  
 app. -5 °C to -30 °C  
 5  
 220 – 240 V, 50 Hz  
 610 Watts  
 7,6 kWh/24 h  
 w x d x h = 77 x 76 x 193-196 cm  
 w x d x h = 60 x 57 x 140 cm  
 (usable depth 12 cm less)  
 w x d = 77 x 144 cm  
 59,7 x 45 cm  
 w x d x h = 57,4 x 40 x 5,6 cm  
 24 kg/40 kg  
 net 140 kg, gross 170 kg

**FROSTER-LABEX-720**

700 litres  
 app. -5 °C to -30 °C  
 5  
 220 – 240 V, 50 Hz  
 640 Watts  
 8,7 kWh/24 h  
 w x d x h = 77 x 97 x 193-196 cm  
 w x d x h = 60 x 78 x 140 cm  
 (usable depth 13 cm less)  
 w x d = 77 x 165 cm  
 59,7 x 65 cm  
 –  
 –/40 kg  
 net 165 kg, gross 200 kg