

# LABORATORY REFRIGERATOR LABO-100

Re-circulating air-cooling • automatic defrosting • melt water evaporation • digital temperature display • minimum/maximum temperature memory • potential free contact • micro processor controlled temperature and defrost mode with safety control device to prevent freezing • optical and acoustic warning device



## 2 Shelves

Capacity	95 Litres
Temperature setting	approx. + 2° to + 20°C
Voltage	220 – 240 V, 50/60 Hz
Power draft	150 Watt
Average consumption	0,42 kWh/24 h
Overall dimensions without work surface (incl. distance from wall)	w x d x h = 54 x 53,5 x 82 cm
Overall dimensions with work surface (incl. distance from wall)	w x d x h = 54 x 54 x 85 cm
Interior dimensions	w x d x h = 44 x 43 x 47 cm (usable depth less 5 cm, usable width less 2 cm)
Overall dimensions with door open at 90°	w x d = 54 x 105,5 cm
Shelf dimensions	43,8 x 36 cm
Max. loading capacity per drawer/ shelf	13 kg/ 25 kg
Weight	net 42 kg, gross 50 kg

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

**Interior** made of impact-resistant white plastic with moulded-in shelf guides.

**Insulating**, 50 mm of high-grade pres-sure foamed and pro-environmental material, extra thick for energy saving effect.

**Lockable door** with plastic magnetic sealing, easy to change. Door does not project 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.

**Re-circulating** air cooling by means of a cross flow blower which keeps the temperature constant and reduces the natural temperature stratification. The cross flow blower cuts out automatically when the door is opened, for a minimum loss of cold air.

**Defrosting** automatically, with thermal and time limit functions.

**Melt water evaporation** in the compressor area.

**Key switch protected control panel** with digital temperature display, minimum/ maximum temperature memory, optical and acoustic warning signal in case of temperature deviation with potential free contact for remote monitoring. Defrost control light and red warning light. Standard equipped with interface RS485.

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

**Safety control device** prevents from freezing.

**Compressor**, dynamic ventilated, hermetically enclosed, energy saving, low noise, easy to service, for 220-240 V AC, 50/60 Hz mains. Other voltages on request. Length of mains cable approx. 1,8 m.

## Equipment at extra charge:

- Power failure alarm (optical and acoustic up to 72 hours)
- Work surface
- Additional shelves or drawers
- Lockable glass door
- Water tray for manual emptying
- Castors
- GSM-Module

## Appliances for temp. 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, (refrigerator then 100 cm high) with 100 recording discs and 5 felt tip pens
- PT 100 or PT 1000 sensor for temperature recording and monitoring via EDP system