Laboratory Refrigerator LABEX-105

WITH EXPLOSION PROOF INTERIOR
TÜV approved according to guideline 94/9 EG
(ATEX 95), EN 1127-1:1997 and BGR 120, figure 3.8, with marking: ⟨Ex⟩ **II 3 G   T6**

Digital temperature display, safety control prevents freezing, optical and acoustic warning device, micro processor controlled temperature and defrost mode, minimum/maximum temperature memory, potential free contact (Sensors are protected by safety barrier)

2 Shelves, 1 Drawer

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
Drawer inner dimensions	w x d x h = 40,8 x 32 x 5,6 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 of impact-resistant white plastic with moulded in shelf guides.

Insulation, 50 mm thick, of high grade pressure-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), also deliverable with hinges on left at no surcharge.

Defrosting automatically with thermal control and time limit function.

Melt water tray for manual emptying.

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

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.

Safety control device prevents from freezing.

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

Equipment features at extra charge:

- Power failure alarm (optical and acoustic up to 72 hours)
- Glass door with lock
- Work surface
- Additional shelves or drawers
- Castors
- GSM-Module

Appliances for temp. documentation:

- PC-Kit-Net (Network capable version), incl. documentation software or PC-Kit with data logger, RS485/ USB-gateway (converter) 10 m. Date cable and temperature documentation software (CD-ROM, windows compatible)
- Pen-recording thermometer for placing loosely inside appliance with waxed paper strips
- PT 100 or PT 1000 sensor (incl. safety barriers) for temperature recording and monitoring via EDP system

Subject to modification