

# Laboratory Refrigerator Model SPEZIAL-340

Recirculating air-cooling • automatic defrosting • melt water evaporation • humidity selection • digital temperature display • safety control device prevents freezing • optical and acoustic warning device • micro processor controlled temperature and defrost mode • minimum/maximum temperature memory



The distance between drawers/shelves is adjustable within a 15 mm raster



The longitudinal and cross dividers within the drawers are individually adjustable (also complete removable = then blank drawer)



## 1 Drawer, 3 shelves

Capacity	330 Litres
Temperature setting	approx. + 2° to + 20° C
Voltage	220 – 240 V, 50 Hz
Power draft	150 Watt
Average consumption	1,2 kWh/24 h
Overall dimensions incl. handle and distance from wall	w x d x h = 67 cm x 64 cm x 171,5 cm
Interior dimensions	w x d x h = 53 cm x 45 cm x 128 cm (usable depth less 6 cm)
Overall dimensions with door open at 90°	w x d = 67 cm x 122 cm
Drawer inner dimensions	w x d x h = 50,4 cm x 32 cm x 5,6 cm
Shelf dimensions	52,7 x 39 cm
Max. loading capacity per drawer/ shelf	16 kg/ 40 kg
Weight	net 90 kg, gross 97 kg

**Outer Panels** galvanized sheet steel (protection against sub-surface rusting), white, powder-coated.

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

**Interior** of smooth aluminium sheet with a colourless protective coating. Light metal strip with 15 mm raster. 1 drawer on pull out rails with stop, vertical adjustment in 15 mm steps. 2 adjustable length dividers and 9 adjustable cross dividers per drawer. Storage capacity per drawer = 0,16 m<sup>2</sup>. Loading capacity per drawer: max. 16 kg, per shelf: max. 40 kg.

**Insulating** 55 mm of high-grade pressure-foamed and pro-environmental material, extra thick for energy-saving effect.

**Lockable door** lockable with plastic magnetic sealing, easy to exchange. 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.

**Automatic defrosting** with thermal and time limit functions.

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

**Safety control device** prevents freezing.

**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. Switch for air-humidity selection, defrost control light and red warning light. Standard equipped with interface RS485.

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

**Compressor**, static 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 supplied: approx. 1,8 m.

### Equipment features at extra charge:

- Power failure alarm (optical and acoustic up to 72 hours)
- Glass door
- Lock for glass door
- Additional drawers or shelves
- Additional length and cross dividers
- Water tray for manual emptying
- 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
- PT 100 or PT 1000 sensor for temperature recording and monitoring via EDP system