



## AF140B

Laboratory freezers -25°C -30°C  
from 100 to 1400 lt. > Capacity 1400 lt



**AF140B Model (-22°C)**  
Capacity 1400LT

### **Structure**

External structure in hot-dip galvanized steel, anti-corrosion treated and PVC film coated.  
Scotch-brite stainless steel internal structure.

### **Insulation**

60 mm of insulation obtained by injection of high density ecological polyurethane CFC-free foam for excellent product preservation and best energy saving

### **Door**

Self-closing solid door, with folding magnetic gasket on four sides for perfect closing. Lock with key.

### **Internal fittings**

Standard equipped with 8 scotch-brite stainless steel shelves, removable and adjustable in height. Optional stainless steel drawers, adjustable in height, with telescopic ball-bearing slides and plexiglas frontal side.

### **Temperature range**

Setting between -10°C and -25°C. Factory preset to -22°C. Digital adjustable with an increment of 0.1°C.

### **Refrigeration system**

Completely sealed, silent and highly efficient hermetic monobloc compressor and ventilated air condenser (suitable also for tropical countries). Internal ventilated evaporator. Forced-air cooling system conceived to achieve maximum temperature uniformity and stability inside the refrigerator even in case of frequent door openings. Evaporator fan shuts off during door openings. CFC-free R452a refrigerant gas. CFC/HCFC-free R290 refrigerant gas for European countries.

### **Defrosting**

Fully automatic defrosting cycle and auto-evaporation of condensed water.

### **Capacity**

1400 litres

### **Voltage**

230V/50 Hz (on request 230V/60 Hz, 115V/60 Hz)

### **Absorption**

614 Watt

### **Gas**

CFC-free R452a refrigerant gas. CFC/HCFC-free R290 refrigerant gas for European countries.

### **Control panel and alarms**

Microprocessor control panel with colour 4.3"LCD touch screen and 4 keys. Display with 0.1°C resolution. Temperature monitoring detected by two independent PT1000 probes. Real time temperature graph (to be activated by end user). Optional humidity sensor. RS 232/RS 485 port. Digital calibration of probes. Visual and audible alarms of high and low temperature (by means of independent probe), open door, condenser efficiency, damaged probes, power failure at electricity recovery, power failure with recording of data and alarms (by means of optional back-

up battery), damaged or flat battery. Memory of latest alarms visible on display.

### **Data logger**

To record temperatures and alarms. Download data on USB pen drive.

### **Standard**

- 8 scotch-brite stainless steel shelves.
- Four one way wheels with stabilizing adjustable feet
- Door lock with key
- Power cord with Schüko type plug or British type plug
- Protection fuses (on power switch and electronic mainboard)
- RFI filter
- Password protected power switch and settings
- Electronic control panel with alarm system
- Remote contact (dry, volt-free) for alarm
- Data logger with USB port to download readings and data
- Memory of latest alarms visible on screen
- Power failure at electricity recovery

### **Optional accessories**

- Scotch-brite stainless steel sliding drawers (max 14) with telescopic ball-bearing slides and Plexiglas frontal side
- Internal dividers for drawers
- Additional shelf
- Smooth shelf with borders
- Castors with two frontal brakes
- Weekly temperature chart recorder working with 1,5 V battery, equipped with 52 disks and a pen
- Back-up battery supplying energy to control panel in order to generate alarms in case of power failure
- GSM module to send SMS alarm messages to mobile phones, showing date, time, cabinet temperature and type of alarm
- LAN Port to connect the appliance via ethernet on PC to monitor correct functioning
- Digital humidity sensor
- Test hole (Ø 25 mm)
- Electric digital key lock
- Power supply 115V/60Hz

### **External dimensions and unit net weight**

1400x800x1990 (wxdxh-mm)-kg. 229

### **Dimensions of packaging and shipping weight**

-carton box on pallet: 1500x900x2170 (wxdxh-mm)-kg. 249

-wooden crate (option on request): 1600x960x2210 (wxdxh-mm)-kg. 347

**Equipment in accordance with:**

Low voltage Directive 2014/35/UE, Electromagnetic Compatibility Directive 2014/30/UE

*Should it be necessary or useful without undermining any model essential features, technical and stylistic characteristics are subject to be changed without manufacturer's previous notice. The picture doesn't necessarily show the product in its standard version.*

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