Wissen

ISO 9001:2015 CERTIFIED COMPANY

LABORATORY COMBINATION REFRIGERATOR/FREEZER LCRF 530

- **Structure** : upright type, realized in sheet steel epoxy coated white colour both in- and outside. The storage compartment is divided in the middle into 2 storage compartments fully insulated and completely independent between them, at the top the refrigerator compartment, while at the bottom the freezer. The internal corners of both the chambers are rounded to make easy any cleaning operations and the internal bottoms are tray type to contain spills
- **Insulation** : high density (40 Kg/m³) foamed-in-place polyurethane, with a thickness of 75 mm. CFC-free
- **Rollers** : Nr 4 made in plastic material, to make easy any moving required
- **Insulated door** : Nr 2, hinged, one above the other, both made with the same material and insulation as the rest of the structure (steel epoxy coated white colour always both in- and outside). The doors are provided with a removable magnetic rubber gasket in order to grant a perfect hermetic closing and reversibility facilities, to change the doors hanging. The handles are flush-fitting type so they do not increase the size of the cabinet. The doors are also fitted with a spring loaded automatic closing device for openings inferior 90° and, the top door only, with a special door switch that stops the internal ventilation at the door opening (to limit the air cold loss) and light the internal lighting at every opening
- **Internal equipment** : Nr 4 (2 for each door), storage open wire shelves realized sheet steel with a strong plastic coating (rust-proof material). The shelves are mounted on special anti-tilt stainless steel slides that allows the shelf extraction and they can be easily removed and adjusted in height without the use of any tool. The special internal racking-system allows a great flexibility of the internal fitting with the possibility of interchange and combine both shelves and drawers (drawers optionally available)
  - Shelf dimensions (W x D cm) : 53 x 55
  - Shelf loading capability (Kg) : 35 (with uniformly stored material)
- **Internal lighting** : Nr 1 LED tube (REFRIGERATOR COMP.), mounted in the side wall of the storage chamber, with automatic activation both at every door opening and even through a touchpad on the control panel. It grants energy saving and prevents the internal heating produced by the traditional neon tubes
- **Control panels** : Nr 2, one for each compartment, both located in the top part of the structure (above the doors). The control panels are both microprocessor operating with 6 soft-touchpads and LED display, allowing the control of all the functions and working status of the appliance (including alarms). The main functions of the control panels are :
  - LED display, with bright indication, red colour, of the actual internal temperature and enlightened icons in green colour indicating the appliance working status (compressor functioning, defrosting, fan running, etc.)
  - Digital temperature adjusting and displaying with an accuracy of 0,1°C
  - Keyboard buttons with locking protection, manually activable, to avoid tampering from unauthorized persons
  - Visual and acoustic alarm signalling (with automatic resetting) for:
    - high and low temperature with limits programmable from the user
    - door ajar, delayed to allow the standard operations
    - power failure (at the return of the mains supply)
    - anti-freezing evaporator
    - sensors failure
  - Muting facilities for the acoustic alarms with maintaining of the visual indication of the alarm condition
  - Alarms memory for the last 10 alarm conditions, with the possibility of checking from the display, the sort of alarm, when the alarm is started, when it is ended and which is the highest or lowest peak reached from the temperature (where applicable)
  - Ntc type sensors for a high accuracy of the temperature control
  - NO/NC contact to remote the alarm signals
- **Cooling unit** : Nr 2, one for each compartment, both bottom mounted, completely independent between them. Each condensing unit is compounded by Nr 1 hermetic compressor and Nr 1 finned condenser, air cooled through a fan. Also, in the ceiling of the storage chamber, is mounted the finned evaporator with copper pipes, that is housed into a

stainless steel cover that incorporate the fan. All the mounted components are industrial grade to grant the maximum reliability

- **Refrigerant** : R404a CFC-free
- **Defrosting (both compartments)** : completely automatic, thermostat controlled. The condensate water is automatically channelled into an heated tray, located in the motor compartment, for the automatic evaporation of the condensate water
- **Refrigeration (both compartments)**: forced-air, through a fan, granting the maximum temperature uniformity and stability inside of the cabinet
- **Temperature range** :
  - REFRIGERATOR COMPARTMENT : adjustable between 0°C / +15°C
  - FREEZER COMPARTMENT : adjustable between -5°C / -20°C
- **Voltage (V/ph/Hz)** : 220-230/1/50
- **Plug** : Schuko type
- **Breakers** : Nr 4 glass cartridge fuses with a rating of 10A, at protection of the appliance
- **Noise level (dB(A))** : ≤ 52
- **Gross capacity (litres)** :
  - REFRIGERATOR COMP. : 300
  - FREEZER COMP. : 300
- **Net capacity (litres)** :
  - REFRIGERATOR COMP.: 265
  - FREEZER COMP.: 265
- **Dimensions (W x D x H cm)** : 75 x 74 x 212
- **Net weight (Kg)** : 180
- **Packed dimensions (W x D x H cm)** : 80 x 79 x 224 (1,41 m³)
- **Gross weight (Kg)** : 200

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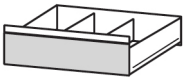
ACCESSORIES AVAILABLE:

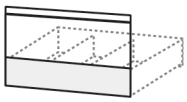

Extra wire shelf


Extra stainless steel wire shelf


Wire basket

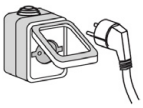

Stainless steel drawer

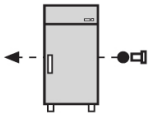

Plastic partitions for drawers


Front top for drawers


Safety door lock with key

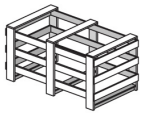

Temperature chart recorder


Internal electrical socket


Cable port with cover


GSM/GPRS telephone dialer

Different voltage


Wooden crate packing

* 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.

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* The declared performances are referred at +32°C ambient temperature, relative humidity of 70% and without any internal thermal mass (empty cabinet).

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