

Product technical data sheet

LABOR 200 ECT-F TOUCH

Cod. LAB0202

Medical Device EMDN V0899

General features



Images are purely

products may differ according to model and

indicative. The features

and the accessories of the

Disclaimer:

application.

Intended use	Refrigerator destined to store and preserve vaccines, pharmaceutical products, bacterial cultures, samples, analysis materials, chemical products, and other laboratory formulas, to support therapy and/or prevention in clinical centers, hospitals, pharmacies, and laboratories.	
Temperature range	Adjustable +2°C / +15 °C	
Factory setpoint Increment	+5°C 0.1°C	
Ambient working class Climatic class	From +16°C to +38°C N-ST	
Nominal capacity	200 lt (7 cu ft)	
Gross capacity Net capacity	221 lt (7.8 cu ft) 221 lt (7.8 cu ft)	

Structure

External dimensions (WxDxH) 60x66x146 cm

Internal dimensions (WxDxH) 50x48,5x90 cm

Net weight without any internal 78 kg fittings

Cardboard on pallet 65x72x162 cm | weight 88,5 kg

Wooden crate on pallet 72x77x162 cm | weight 98,5 kg

Package dimensions | Weight

Monocoque type body, made of plasticized, non-toxic white steel interior/exterior, coated with a special antibacterial-type film, or in inner 18/10 Aisi 304 stainless steel. Rounded corners and tray-type

High density (43 kg/m³) in-walls injected PUF, without any CFC, Insulation type environmental-friendly, water-foam based.

Insulation thickness 70 mm rear / 50 mm sides

Feet No.4 unidirectional rollers + No.2 stabilizing feet

No.1 solid door with ergonomic handle all door length, self-closing Door

thanks to the spring hinge and 90°stop position.

Full LED, all length of inner chamber, automatic switching on at Lightning door opening.

Energy saving functions Night & Day function

Customizable and height adjustable, it can mix independently: wire shelves supported by adjustable clips (dim.cm 46x45)

fully extractible drawers made of aluminium, with dividers

(WxDxH): cm 11,8x40x7,5 (nr 3 compartments)

fully extractible drawers made of aluminium, without dividers (WxDxH): cm 39x40x7,5

st. steel wire drawers on telescopic slides (WxDxH): cm 43,5x40,5x6,2

st. steel wire shelves supported by adjustable clips (dim.cm.46x45)

No. 3 wire shelves

Internal fittings

Suggested internal fittings

Refrigeration system

GWP ODP	3 0	
Refrigerant	Natural R290	
Defrost	Automatic, adaptive, including condensate water vaporization	
Refrigeration	Professional, ventilated, forced, hermetic compressor type	

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Electronic controller



Controller TOUCH controller

Electronic controller, FULL TOUCH SCREEN 7" display, resolution 0,1°C, easily readable from the distance, with a real time temperature graph

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and all operational data always available on the homepage.

Power switch Integrated in user's interface

Security features Settable user password

Visual and acoustic for temperature alarms failures such as:

Open door

High temperature

Alarm system ⋅ Low temperature

· Power failure, signaled when power is back.

Clogged condenser

· Any functional failure/faulty parts

Data and event recording

Latest 32 events displayed, 10 years data recorded on SD card and 1

year on flash memory, downloadable from USB port

Settable temperature limits alarms Yes

Control sensors

NTC type probes for controller board + PT100 for DMLP monitor board

(optional)

Safety thermostat Included, to prevent freezing and overheating

Connectivity for remote alarms

transmission

Type of controller

Set-up on the electronic controller board, can be remoted on request.

Modbus TCP/IP protocol available for data reading

Temperature recording Full recording of temperatures and alarms data

Data export USB, SD and RJ45.

Electrical and functional data

Standard power supply230V/1ph/50HzStandard plug typeSchuko type "G"

Compressor protection Overload Protector included

Power absorption/current kW 0,17 (Amp 1)

Inrush currentAmp 3Noise level<45 dBA</th>

Heat emission according to EN 12900

Hold over time at 20°C ambient (air) 3,3 h (from +5C to +15°C)

Energy consumption at 20°C ambient 0,6 kWh/24h

Compliancy

The offered unit complies with Regulation (EU) 2017/745 and subsequent modifications and integrations, Risk Class I (All. VIII, Cap.

III, Reg. 2).

W 25

The equipment is also fully compliant with the specific requirements

of the norms:

Directive 2006/42/EC (Machines Directive),

Directives and regulationsDirective 2014/30/EU (EMC),

Directive 2014/35/EU (LVD), Regulation (EU) 2024/S73 (F-gas), Directive 2012/19/EU (RAEE) Regulation (EC) n.1907/2006 (REACH)

Directive 2011/65/UE (ROHS II) including subsequent modifications and

integrations

Available certificate CE

Application environment

Non-flammable, non-explosive, non-corrosive, with adequate air

exchange

Accessories available on request

	Accessories available of request
Visual and acoustic alarm for power failure	No.8 rechargeable batteries, AA, Ni-MH type, environmental friendly and easily replaceable, to feed power failure alarm
External contacts (Ethernet+ potential free) terminal board	
Electric-digital lock with password protection	Digital lock, the door is opened by touching an icon on the display. The function may be password protected. Mechanical release key supplied for emergency opening.
GSM module (including buffer batteries)	Plug-in module to notify on mobile phones, via sms, overall monitoring, alarms and failures of the refrigerator
Converter module type 4-20mA (including contacts terminal board)	External contacts included (this accessory excludes the installation of the GSM module)
Wi-Fi module	Plug-in module to connect to, monitor and manage the refrigerator wirelessly
Compliance kit to DIN 13277	Includes the electric digital lock, buffer batteries for power failure alarm signal and the external terminal board with potential free contact
DMLP TOUCH Digital Monitor	Visual, acoustic alarm and fully independent recording system, with accuracy 0,1 °C thanks to the PTI00 probes used for temperature detection. DMLP will take over alarming function when installed as integrated module on the Ect-f Touch controller board. The module is fed by standard rechargeable batteries (power failure alarm batteries included) to register temperatures and events even in case of power outage. Data download and their management are made possible by CAPTURE software, supplied on board on the SD card, through which tables and graphs are created
PTI00 product temperature simulation probe	
FIOCCHETTI COLD EYES cloud monitoring	Annual monitoring service, Cloud based, featuring the notification of alarms and failures from pc thanks to a dedicated app, including SMS messages and emails, also allowing the full download of recorded data.
FIOCCHETTI LAN SUPERVISOR	Monitoring system allowing the supervision of one or several refrigerators thanks to the access to historical data and to present equipment status. It allows the creation and export of temperature graphs of selected periods or of specific hours. A single license enables the connection of up to 100 refrigerators installed in the same building and connected to the same net (e.g., a hospital).
Additional wire shelf kit	
Extractible drawer on telescopic slides	
Extractible drawer without inner dividers on telescopic slides	
St. steel wire shelf kit	
St. steel wire drawer on telescopic slides	
Lockable drawer for narcotics H mm 100	
Rack 140x420x150H mm (max 3 per each shelf)	
Plexiglas front panel for extractible drawer	
Castors kit with brakes	
Internal Socket (no.1)	
35 mm access port with stopper	
Port hole mm 15	
Humidity sensor	
PTI00 sensor with free contacts	
Mains voltage stabilizer	
Non-standard plug and cable	
Power 220V/60Hz	
Power 115V/60Hz	
Wooden crate package	