

Product technical data sheet

LABOR 500 ECT-F

Cod. LAB0501

General features



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 500 lt (17,6 cu ft)

Gross capacity | Net capacity 527 lt (18,6 cu ft) 527 lt (18,6 cu ft)

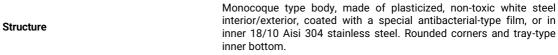
External dimensions (W x D x H) 72 x 74,5 x 208 cm Internal dimensions (W x D x H) 60 x 58 x 150 cm

Net weight without any internal fittings 121 kg

Package dimensions | Weight

Package dimensions | Weight

Wooden crate on pallet 84 x 85 x 220 cm | weight 147 kg



Insulation type

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

Insulation thickness 75 mm rear / 60 mm sides

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

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

thanks to the spring hinge and 90°stop position.

LightningFull LED, all length of inner chamber, automatic switching on at door

opening.



Internal fittings

Customizable and height adjustable, it can mix independently:

• wire shelves supported by adjustable clips (dim.cm 55x56)

 fully extractible drawers made of aluminium, with dividers (WxDxH): cm 15x50x7,5 (nr 3 compartments)

 fully extractible drawers made of aluminium, without dividers(WxDxH): cm 49x50x7,5

Suggested internal fittings No. 4 wire shelves

Refrigeration system

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

Disclaimer: Images are purely indicative. The features and the accessories of the products may differ according to model and application.

Electronic controller



Controller Controller ECT-F control®

Type of controller

Electronic controller, back-lit alphanumeric LCD display and resolution

0,1°C

Power switchIntegrated in user's interfaceSecurity featuresSettable user password

Visual and acoustic for temperature alarms and failures such as:

Open doorHigh temperature

High temperature caused by power failure.

Alarm system • Low temperature

Power failure (when the energy returns, only in event of High

Temperature)
Clogged condenser

Any functional failure/faulty parts

Data and event recordings

Last 12 events available on the display

Settable temperature alarm limits

Yes, through parameter adjustment

Control sensors NTC type probes

Electrical and functional data

Compressor protection Overload Protector included

Power absorption/current kW 0,25 (Amp 1,5)

Inrush current Amp 4
Noise level <45 dBA
Heat emission according to EN 12900 W 41

Hold over time at 20°C ambient (air) 3,7 h (from +5C to +15°C)

Energy consumption at 20°C ambient 1 kWh/24h

Conformity

Directive 2006/42/EC (Machine directive)

Directive 2011/65/EC (ROHS II) Directive 2015/863/ EC (ROHS III) Directive 2012/19/EC (RAEE)

Directives and regulations

Directive 2012/19/EC (RAEE)

Directive 2014/30/EC (EMC)

Directive 2014/35/EC (LVD)
Regulation (EU) 517-2014 (F-gas)
Regulation (EU) 1907-2006_REACH

Available certificate CF

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

exchange

Accessories available on request

Lock with key	
Controllore ECT-F PLUS	Evolution of ECT-F control® controller, including following additional features: Backup batteries for power failure alarm, up to 48 Hrs Min and Max temperature log, manually resettable High temperature alarm during power failure Refrigerator temperature visible even during power failure Alarm contact available on control board, remotable Additional programmable relays output available Please refer to model LABOR 500 ECT-F PLUS
Additional wire shelf kit	
Extractible drawer on telescopic slides	
Extractible drawer without inner dividers on telescopic slides	
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	
PT100 sensor with free contacts	
Mains voltage stabilizer	
Non-standard plug and cable	
Power 220V/60Hz	
Power 115V/60Hz	
Wooden crate package	
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