

General features



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

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	100 lt (3,53 cu ft)
Gross capacity Net capacity	126 lt (4,45 cu ft) 96 lt (3,40 cu ft)
External dimensions (W X D x H)	52 x 63,5 x 71 cm
Internal dimensions (W x D x H)	44 x 51,6 x 42,1 cm
Net weight without any internal fittings	46 kg
Package dimensions Weight	Cardboard on pallet 55 x 69 x 87 cm weight 55 kg Wooden crate on pallet 60 x 77 x 103 cm weight 64,5 kg
Structure	Monocoque type, 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 inner bottom,
Insulation type	High-density (43 kg/m3), in-walls injected PUF, without any CFC, water-foam based.
Insulation thickness	40 mm
Feet	No.4 adjustable small feet
Door	No.1 solid door with ergonomic handle, self-closing thanks to the spring hinge and 90° stop position.
Lightning	Full LED, all length of inner chamber, automatic switching on at door opening.
Internal fittings	Customizable and height adjustable, it can mix independently: <ul style="list-style-type: none"> • wire shelves supported by adjustable clips (dim.cm.40x49) • fully extractible drawers made of aluminium, with dividers (WxDxH): cm 10x45x7,5 (nr 3 compartments) • fully extractible drawers made of aluminium, without dividers (WxDxH): cm 33x45x7,5
Suggested internal fittings	No. 1 wire shelf

Refrigeration system

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

Electronic controller



Controller	Controller ECT-F control®
Type of controller	Electronic controller, back-lit alphanumeric LCD display and resolution 0,1°C
Power switch	Integrated in user's interface
Security features	Settable user password
Alarm system	Visual and acoustic for temperature alarms and failures such as: <ul style="list-style-type: none">• Open door• High temperature• High temperature caused by power failure.• Low temperature• Power failure (alarm back up up to 48h)• 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
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Electrical and functional data

Standard power supply	230V / 1ph / 50Hz
Standard plug type	Schuko type "G"
Compressor protection	Overload Protector included
Power absorption/current	kW 0,14 (Amp 0,9)
Inrush current	Amp 2,5
Noise level	<40 dBA
Heat emission according to EN 12900	W 20
Hold over time at 20°C ambient (air)	3,8 h (from +5°C to +15°C)
Energy consumption at 20°C ambient	0,5 kWh/24h

Conformity

Directives and regulations	Directive 2006/42/EC (Machine directive) Directive 2011/65/EC (ROHS II) Directive 2015/863/ EC (ROHS III) 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	CE
Application environment	Non-flammable, non-explosive, non-corrosive, with adequate air exchange

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Accessories available on request

Lock with key

DMLP Digital Monitor®

Alarm and temperature recording system completely independent from the ECT-F control® controller, equipped with buffer battery and featuring an additional backlit, alphanumeric LCD display.

DMLP Digital Monitor provides:

- Temperature and alarms data recording on extractible SD card covering the last 5 years, with one minute sampling frequency.
- Back-up buffer battery granting alarms and recording during power cut. The life of the battery is approximately 12 hours during power failures.
- Pre-set for alarms remoting (dry contact)

The SD can be inserted in any pc using a card-reader and includes a freely supplied software, Capture, allowing to download, save and print any data.

Information can be arranged as a graph or tabular forms, both fully customizable.

DMLP Printer

ECT-F PLUS controller

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 100 ECT-F PLUS

Additional wire shelf kit

Extractible drawer on telescopic slides

Extractible drawer without inner dividers on telescopic slides

Plexiglas front panel for extractible drawer

Castors kit with brakes

One-way small castors

Inner socket (no.1)

35mm access port with stopper (no.1)

Port hole mm 15 (no.1)

No.1 humidity sensor

No.1 PT100 sensor with free contacts

Non-standard plug and cable

Power 220V/60Hz

Power 115V/60Hz

Mains voltage stabilizer

Wooden crate package

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