

#### General features



Disclaimer:  
Le immagini hanno scopo  
puramente dimostrativo.  
Le caratteristiche e gli  
accessori del prodotto  
possono differire in base a  
modello e applicazione.

<b>Temperature range</b>	Adjustable -20°C / -10 °C
<b>Factory setpoint   Increment</b>	-20°C   0.1°C
<b>Ambient working class   Climatic class</b>	From +16°C to +32°C   N
<b>Nominal capacity</b>	140 lt (4,94 cu ft)
<b>Gross capacity   Net capacity</b>	153 lt (5,40 cu ft)   128 lt (4,52 cu ft)
<b>External dimensions (WxDxH)</b>	52x63,5x83 cm
<b>Internal dimensions (WxDxH)</b>	44x51,6x56 cm
<b>Net weight without any internal fittings</b>	51 kg
<b>Package dimensions   Weight</b>	Cardboard on pallet 55x69x100 cm   weight 59,5 kg Wooden crate on pallet 60x77x103 cm   weight 69,5 kg
<b>Structure</b>	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,
<b>Insulation type</b>	High-density (43 kg/m <sup>3</sup> ), in-walls injected PUF, without any CFC, water-foam based.
<b>Insulation thickness</b>	40 mm
<b>Feet</b>	No.4 adjustable small feet
<b>Door</b>	No.1 solid door with ergonomic handle, self-closing thanks to the spring hinge and 90°stop position.
<b>Lightning</b>	Full LED, all length of inner chamber, automatic switching on at door opening.
<b>Internal fittings</b>	Customizable and height adjustable, it can mix independently: <ul style="list-style-type: none"> <li>• wire shelves supported by adjustable clips (dim.cm.40x49)</li> <li>• fully extractable drawers made of aluminium, with dividers (WxDxH): cm 10x45x7,5 (nr 3 compartments)</li> <li>• fully extractable drawers made of aluminium, without dividers (WxDxH): cm 33x45x7,5</li> </ul>
<b>Suggested internal fittings</b>	No. 2 wire shelves

#### Refrigeration system

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

## Electronic controller



<b>Controller</b>	Controller ECT-F control®
<b>Type of controller</b>	Electronic controller, back-lit alphanumeric LCD display and resolution 0,1°C
<b>Power switch</b>	Integrated in user's interface
<b>Security features</b>	Settable user password  Visual and acoustic for temperature alarms and failures such as: <ul style="list-style-type: none"><li>• Open door</li><li>• High temperature</li><li>• High temperature caused by power failure.</li><li>• Low temperature</li><li>• Power failure (when the energy returns, only in event of High Temperature)</li><li>• Clogged condenser</li><li>• Any functional failure/faulty parts</li></ul>
<b>Alarm system</b>	
<b>Data and event recordings</b>	Last 12 events available on the display
<b>Settable temperature alarm limits</b>	Yes, through parameter adjustment
<b>Control sensors</b>	NTC type probes

## Electrical and functional data

<b>Standard power supply</b>	230V / 1ph / 50Hz
<b>Standard plug type</b>	Schuko tipo "G"
<b>Compressor protection</b>	Overload Protector included
<b>Power absorption/current</b>	kW 0,5 (Amp 2,3)
<b>Inrush current</b>	Amp 6
<b>Noise level</b>	<40 dBA
<b>Heat emission according to EN 12900</b>	W 155
<b>Hold over time at 20°C ambient (air)</b>	1,6 h (from -20°C to 0°C)
<b>Energy consumption at 20°C ambient</b>	3,7 kWh/24h

## Conformity

<b>Directives and regulations</b>	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
<b>Available certificate</b>	CE
<b>Application environment</b>	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, alphanumerical 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 FREEZER 140 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

### 35 mm access port with stopper

### Port hole mm 15

### 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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