FREEZER 140 ECT-F

Cod. FRE0141

General features

Temperature range	Adjustable -20°C / -10 °C
**Factory setpoint	Increment**	-20°C	0.1°C
**Ambient working class	Climatic class**	From +16°C to +32°C	N
Nominal capacity	140 lt (4,94 cu ft)
**Gross capacity	Net capacity**	153 lt (5,40 cu ft)	128 lt (4,52 cu ft)
External dimensions (W X D x H)	52 x 63,5 x 83 cm
Internal dimensions (W x D x H)	44 x 51,6 x 56 cm
Net weight without any internal fittings	51 kg
**Package dimensions	Weight**	Cardboard on pallet 55 x 69 x 100 cm	weight 59,5 kg
	Wooden crate on pallet 60 x 77 x 103 cm	weight 69,5 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: • 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. 2 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

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: • 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

Electrical and functional data

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

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 filure
- Refrigerator temperature visible even during powier failure
- Alarm contact available on control baord, 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