FREEZER 400 ECT-F

Cod. FRE0401

General features

Temperature range	Adjustable -25°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	400 lt (14,1 cu ft)
Gross capacity | Net capacity	347 lt (12,3 cu ft) | 347 lt (12,3 cu ft)
External dimensions (WxDxH)	60x65,5x196 cm
Internal dimensions (WxDxH)	50x48,5x140 cm
Net weight without any internal fittings	101 kg
Package dimensions | Weight	Cardboard on pallet 65x72x213 cm | weight 113 kg
	Wooden crate on pallet 72x77x213 | weight 125 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	70 mm rear / 50 mm sides
Feet	No.4 unidirectional rollers + No.2 stabilizing feet
Door	No.1 solid door with ergonomic handle all door length, 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 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)
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	Controllore 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 (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

Standard power supply	230V / 1ph / 50Hz
Standard plug type	Schuko type "G"
Compressor protection	Overload Protector included
Power absorption/current	kW 0,32 (Amp 2,3)
Inrush current	Amp 5
Noise level	<45 dBA
Heat emission according to EN 12900	W 187
Hold over time at 20°C ambient (air)	1,8 h (from -20°C to 0°C)
Energy consumption at 20°C ambient	4,5 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

Accessories available on request

Lock with key	
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 400 ECT-F PLUS
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	
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	