Product technical data sheet
VISION 700 ECT-F PLUS

Cod. VIS0703

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 +25°C | C
Nominal capacity	700 lt (24,7 cu ft)
Gross capacity | Net capacity	620 lt (21,9 cu ft) | 620 lt (21,9 cu ft)
External dimensions (WxDxH)	75x87x210 cm
Internal dimensions (WxDxH)	60x68x15 cm
Net weight without any internal fittings	150 kg
Package dimensions | Weight	Cardboard on pallet 77x90x214 cm | weight 167 kg
	Wooden crate on pallet 84x94x214 cm | weight 180 kg
Structure	Monocoque type body, 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/m^3) in-walls injected PUF, without any CFC, environmental-friendly, water-foam based.
Insulation thickness	75 mm
Feet	No.4 adjustable feet
Door	No.1 door made of tempered glass, triple thickness, 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 or from the display when the door is closed.
Internal fittings	Customizable and height adjustable, it can mix independently: wire shelves supported by adjustable clips (dim.cm 56x65) fully extractible drawers made of aluminium, with dividers (WxDxH): cm 15x60x7,5 (nr 3 compartments) fully extractible drawers made of aluminium, without dividers (WxDxH): cm 49x60x7,5 st. steel wire basket on telescopic slides (WxDxH): cm 53,8x63x14,8 st. steel wire drawers on telescopic slides (WxDxH): cm 53,8x60,5x6,2 st. steel wire shelves supported by adjustable clips (dim.cm.56x66)
Suggested internal fittings	No. 3 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	ECT-F PLUS controller
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 Faulty batteries 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
Connection for remote alarm signalisation	Ready on the board, remote on request
Temperature recording	Log of minimum and maximum temperature reached, manual reset
Data export	Not available

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 0,35 (Amp 2,5)
Inrush current	Amp 7
Noise level	<55 dBA
Heat emission according to EN 12900	W 250
Hold over time at 20°C ambient (air)	2 h (from -20°C to 0°C)
Energy consumption at 20°C ambient	6 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	
External dry contact	
Anty-freeze safety	
DIN 13277 conformity	Includes: key lock, buffer batteries for power failure alarm and external terminal board with dry contact
Temperature chart recorder	
Solid type door	Please refer to FREEZER series
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	
St. steel wire basket on telescopic slides	
Perforated stainless steel shelf	
Lockable drawer for narcotics H mm 100	
Rack 140x500x150H 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	