SUPERARTIC 700 ECT-F PLUS

Cod. SUA0703

General features

Temperature range	Adjustable -40°C / -20°C
Factory setpoint | Increment	-35°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) | 544 lt (19,22 cu ft)
External dimensions (WxDxH)	75x88x205,5 cm
Internal dimensions (WxDxH)	60x68,6x130 cm
Net weight without any internal fittings	150 kg
Package dimensions | Weight	Cardboard on pallet 77x94x211 cm | weight 168 kg
	Wooden crate on pallet 84x98x211 cm | weight 182 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/m³) in-walls injected PUF, without any CFC, environmental-friendly, water-foam based.
Insulation thickness	75 mm
Feet	No.4 adjustable feet
Door	No.1 solid door with ergonomic handle all door length, self-closing thanks to the spring hinge and 90°stop position.
Internal fittings	Customizable and height adjustable, it can mix independently: wire shelves supported by adjustable clips (dim.cm 56x65) extractible drawers made of aluminium, with dividers (WxDxH): cm 14,9x60x7,5 (nr 3 compartments) extractible drawers made of aluminium, without dividers (WxDxH): cm 48,9x60x7,5 st. steel wire basket on slides (WxDxH): cm 53,8x63x14,8 st. steel wire drawers on 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, with collection of condensate water
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 1,5 (Amp 7)
Inrush current	Amp 7
Noise level	<60 Dba
Heat emission according to EN 12900	W 460
Hold over time at 20°C ambient (air)	4,8 h (da -40°C a 0°C)
Energy consumption at 20°C ambient	11 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

Lock with key	
External dry contact	
DIN 13277 conformity	Includes: key lock, buffer batteries for power failure alarm and external terminal board with dry contact
Temperature chart recorder	
Additional wire shelf kit	
Extractible drawer on slides	
Extractible drawer without inner dividers on slides	
St. steel wire shelf kit	
St. steel wire drawer on slides	
St. steel wire basket on slides	
Perforated stainless steel shelf	
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	
Tray for automatic evaporation of condensate water	
PT100 sensor with free contacts	
Mains voltage stabilizer	
Non-standard plug and cable	
Power 220V/60Hz	
Power 115V/60Hz	
Wooden crate package	