MEDIKA 500 ECT-F PLUS

Cod. MED0503

General features

Temperature range	Adjustable +2°C / +15 °C
**Factory setpoint	Increment**	+5°C	0.1°C
**Ambient working class	Climatic class**	From +16°C to +38°C	N-ST
Nominal capacity	500 lt (17,6 cu ft)
**Gross capacity	Net capacity**	527 lt (18,6 cu ft)	527 lt (18,6 cu ft)
External dimensions (WxDxH)	72x76x208 cm
Internal dimensions (WxDxH)	60x58x150 cm
Net weight without any internal fittings	133 kg
**Package dimensions	Weight**	Cardboard on pallet 76x81x220 cm	weight 147 kg
	Wooden crate on pallet 84x85x220 cm	weight 159 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 rear / 60 mm sides
Feet	No.4 unidirectional rollers + No.2 stabilizing feet
Door	No.1 door made of tempered and low emissivity glass, 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 55x56) • fully extractible drawers made of aluminium, with dividers (WxDxH): cm 15x50x7,5 (nr 3 compartments) • fully extractible drawers made of aluminium, without dividers(WxDxH): cm 49x50x7,5
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	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 0,17 (Amp 1)
Inrush current	Amp 3
Noise level	<45 dBA
Heat emission according to EN 12900	W 41
Hold over time at 20°C ambient (air)	3,5 h (from +5°C to +15°C)
Energy consumption at 20°C ambient	1 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 anty-freeze safety)	Includes: anti-freezer safety, key lock, buffer batteries for power failure alarm and external terminal board with dry contact
Temperature chart recorder	
Solid type door	Please refer to LABOR series
Additional wire shelf kit	
Extractible drawer on telescopic slides	
Extractible drawer without inner dividers on telescopic slides	
Rack 140x420x150H mm (max 3 per each shelf)	
Plexiglas front panel for extractible drawer	
Castors kit with brakes	
Internal Socket (no.1)	
35 mm access port with stopper	
Port hole mm 15	
Humidity sensor	
PT100 sensor with free contacts	
Mains voltage stabilizer	
Non-standard plug and cable	
Power 220V/60Hz	
Power 115V/60Hz	
Wooden crate package	