

### General features



<b>Temperature range</b>	Adjustable -20°C / -10 °C
<b>Factory setpoint   Increment</b>	-20°C   0.1°C
<b>Ambient working class   Climatic class</b>	From +16°C to +32°C   N

<b>Nominal capacity</b>	140 lt (4,94 cu ft)
<b>Gross capacity   Net capacity</b>	153 lt (5,40 cu ft)   128 lt (4,52 cu ft)
<b>External dimensions (W X D x H)</b>	52 x 63,5 x 83 cm
<b>Internal dimensions (W x D x H)</b>	44 x 51,6 x 56 cm
<b>Net weight without any internal fittings</b>	51 kg

<b>Package dimensions   Weight</b>	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
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<b>Structure</b>	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,
<b>Insulation type</b>	High-density (43 kg/m3), in-walls injected PUF, without any CFC, water-foam based.
<b>Insulation thickness</b>	40 mm
<b>Feet</b>	No.4 adjustable small feet
<b>Door</b>	No.1 solid door with ergonomic handle, self-closing thanks to the spring hinge and 90° stop position.
<b>Lightning</b>	Full LED, all length of inner chamber, automatic switching on at door opening.



<b>Internal fittings</b>	Customizable and height adjustable, it can mix independently: <ul style="list-style-type: none"> <li>• wire shelves supported by adjustable clips (dim.cm.40x49)</li> <li>• fully extractable drawers made of aluminium, with dividers (WxDxH): cm 10x45x7,5 (nr 3 compartments)</li> <li>• fully extractable drawers made of aluminium, without dividers (WxDxH): cm 33x45x7,5</li> </ul>
<b>Suggested internal fittings</b>	No. 2 wire shelves

Disclaimer:  
Images are purely indicative. The features and the accessories of the products may differ according to model and application.

### Refrigeration system

<b>Refrigeration</b>	Professional, ventilated, forced, hermetic compressor type
<b>Defrost</b>	Automatic, adaptive, including condensate water vaporisation
<b>Refrigerant</b>	Natural R290
<b>GWP   ODP</b>	3   0

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## Electronic controller



<b>Controller</b>	ECT-F PLUS controller
<b>Type of controller</b>	Electronic controller, back-lit alphanumeric LCD display and resolution 0,1°C
<b>Power switch</b>	Integrated in user's interface
<b>Security features</b>	Settable user password Visual and acoustic for temperature alarms and failures such as: <ul style="list-style-type: none"><li>• Open door</li><li>• High temperature</li><li>• High temperature caused by power failure.</li><li>• Low temperature</li><li>• Power failure (alarm back up up to 48h)</li><li>• Clogged condenser</li><li>• Faulty batteries</li><li>• Any functional failure/faulty parts</li></ul>
<b>Alarm system</b>	
<b>Data and event recordings</b>	Last 12 events available on the display
<b>Settable temperature alarm limits</b>	Yes, through parameter adjustment
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<b>Control sensors</b>	NTC type probes
<b>Connection for remote alarm signalisation</b>	Ready on the board, remote on request
<b>Temperature recording</b>	Log of minimum and maximum temperature reached, manual reset
<b>Data export</b>	Not available

## Electrical and functional data

<b>Standard power supply</b>	230V / 1ph / 50Hz
<b>Standard plug type</b>	Schuko tipo "G"
<b>Compressor protection</b>	Overload Protector incluso
<b>Power absorption/current</b>	kW 0,5 (Amp 2,3)
<b>Inrush current</b>	Amp 6
<b>Noise level</b>	<40 dBA
<b>Heat emission according to EN 12900</b>	W 155
<b>Hold over time at 20°C ambient (air)</b>	1,6 h (from -20°C to 0°C)
<b>Energy consumption at 20°C ambient</b>	3,7 kWh/24h

## Conformity

<b>Directives and regulations</b>	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
<b>Available certificate</b>	CE
<b>Application environment</b>	Non-flammable, non-explosive, non-corrosive, with adequate air exchange

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## Accessories available on request

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Lock with key

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External dry contact

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DIN 13277 conformity

Includes: key lock, buffer batteries for power failure alarm and external terminal board with dry contact

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Temperature chart recorder

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Additional wire shelf kit

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Extractible drawer on telescopic slides

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Extractible drawer without inner dividers on telescopic slides

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Plexiglas front panel for extractible drawer

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Castors kit with brakes

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One-way small castors

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35mm access port with stopper (no.1)

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Port hole mm 15 (no.1)

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No.1 PT100 sensor with free contacts

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Non-standard plug and cable

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Power 220V/60Hz

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Power 115V/60Hz

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Mains voltage stabilizer

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Wooden crate package

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