Product technical data sheet

LABOR 2T 700 ECT-F
Cod. LAD0701

General features

Temperature range	Chamber A adjustable between +2°C / +15°C
	Chamber B adjustable between -10°C / -30°C
**Factory setpoint	Increment**	+5°C	0.1°C chamber A
	-20°C	0.1°C chamber B
**Ambient working class	Climatic class**	From +16°C to +32°C	N

Nominal capacity	350 + 350 lt (12,36 + 12,36 cu ft)
**Gross capacity	Net capacity**	288 + 305 lt (10,17 + 10,77 cu ft)	260+265 lt (9,19 + 9,37 cu ft)
External dimensions (W x D x H)	72 x 84 x 203 cm
Internal dimensions (W x D x H)	60 x 68 x 70 / 60 x 68 x 74 cm
Net weight without any internal fittings	143 kg

**Package dimensions	Weight**	Cardboard on pallet 76 x 92 x 212 cm	weight 158 kg
	Wooden crate on pallet 84 x 98 x 212 cm	weight 171 kg

Structure	Monocoque type, made of plasticized, non-toxic white steel exterior, coated with a special antibacterial-type film; interior in 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	60 mm
Feet	No.4 adjustable feet
Door	No.2 solid doors with all length ergonomic handles, 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 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. 4 wire shelves (2 + 2)

Refrigeration system

Refrigeration	Professional, ventilated, forced, hermetic compressor type.
	No. 2 separate and independent cooling systems, one for each compartment.
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	Controller 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 0,17 + 0,32 (Amp 1 + 2,3)
Inrush current	Amp 3 + 5
Noise level	<50 dBA
Heat emission according to EN 12900	W 208
Hold over time at 20°C ambient (air)	6 h chamber A (from +5°C to +15°C) 2,1 h chamber B (from -20°C to 0°C)
Energy consumption at 20°C ambient	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 LABOR 2T 700 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

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

Glass door for chiller compartment

Castors kit with brakes

Inner socket (no.1)

35mm access port with stopper (no.1)

Port hole mm 15 (no.1)

Tray for automatic evaporation of condensate water

No.1 humidity sensor

No.1 PT100 sensor with free contacts

Non-standard plug and cable

Power 220V/60Hz

Power 115V/60Hz

Mains voltage stabilizer

Wooden crate package