ecostore Premium HP
1 Door Digital Refrigerator
670lt, –2 +10 - R290 Class A

727633 (ESP71FRCA) — 1-door Refrigerator 670lt, -2+10°C (R290), digital, AISI 304

Short Form Specification

Item No.

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Full door refrigerator entirely constructed in 304 AISI stainless steel with bottom panel in anti-corrosive material. Large digital display to allow: cabinet temperature indication; selection among 5 preset and 2 programmable food categories to set appropriate temperature to the type of food stored; HACCP history for critical high temperature, alarm service and full diagnostic; Frost Watch Control 4 to defrost only when required with automatic evaporation of defrost water; probe failure indication and diagnostic. Optiflow: back to front forced air flow and removable air conveyors provides even temperature distribution and fast cooling in any conditions. Fitted with 90 mm-thick cyclopentane insulating foam. On-site reversible door features lock and door microswitch to switch off the fan when the door is opened. Hidden evaporator to guarantee higher storage capacity and less corrosion problems. Built-in refrigeration uni tand internal LED light. For ambient temperatures up to 43 °C. CFC and HCFC free. R290 gas in refrigeration circuit.

Supplied with n. 4x2/1GN Rilsan coated grids and n. 4 sets of 2 stainless steel grid runners. Certified as Class A (in accordance with EU Regulation 2015/1094. Prearranged to fit RS485 port to facilitate connection to a remote computer and integrated HACCP systems.

APPROVAL:

Main Features

- Fully compliant HACCP digital control: when temperature exceeds critical limits, acoustic and visual alarms are activated. Up to two months of event are kept in memory.
- Large storage area suitable to contain 2/1 GN grids or shelves on anti-tilt runners.
- Optiflow: back to front forced air flow and removable air conveyors provide even temperature distribution and fast cooling in any conditions.
- Frost Watch Control: fully automatic defrost starts only when ice is actually building-up in the evaporator and adapt the defrosting duration to guarantee perfect ice removal while optimizing energy efficiency consumption.
- Improved defrost and evaporator fan management – defrost type changes with temperature set-point: electric below +2°C while air convection defrost above +2°C, thus saving energy.
- Internal structure with numerous charging positions available to host grids, ensuring higher net capacity and a greater storage space.
- Operating temperature can be adjusted from -2 to +10 °C to suit different food storage requirements.
- Cleaning-free condenser: the structure of the wire frame condenser prevents dust and grease accumulation thus avoiding periodical cleaning operations and reducing energy consumption.
- Automatic evaporation of the defrosting water by hot gas on the top for energy saving.
- 60 mm-thick insulation covering the evaporator can be easily removed with a single operation.
- Interior LED light to save energy and for best internal visibility.
- Prearranged to fit RS485 port to facilitate connection to a remote computer and integrated HACCP systems.
- Rilsan coated grids for improved protection.
- Cabinet fitted with up to 90 mm thickness of cyclopentane insulation for best insulating performance with 100% environmental protection (thermal conductivity: 0,020 W/m*K).
- Cabinet certified as Class A in heavy duty working conditions (40°C-40% humidity) based on European Ecodesign directive. The potential annual saving estimated by replacing a cabinet in class A with a cabinet in class G of equivalent volume, is equal to 300€ for each refrigerator replaced (considering an energy cost of 0,21€/kWh and a net volume of 503l).
- CFC and HCFC free, highly ecological refrigerant type: R290 (ecological gas in foam: cyclopentane). Hydrocarbon refrigerant gas R290 for the lowest environmental impact (GWP=3), to reduce green house and ozone depletion effects.
- Tropicalized unit (43°C ambient temperature).
- Connectivity ready for real time access to connected appliances from remote and data monitoring (requires optional accessory).
- This appliance is intended for use in ambient temperatures up to 40°C.

Construction

- Constructed from the highest quality AISI 304 Stainless steel.
- Interior base with rounded corners, pressed from a single sheet.
- The rounded internal corners, the easily removable runners, grids and air conveyors allow for ease of cleaning and high hygiene standards.
- Stainless steel runners and supports easily disassembled.
- Anti-corrosion bottom avoids any damage that may be caused to the cabinet by aggressive detergents employed to clean the floors.
- Easy access to the main components for maintenance.
- Lockable door.
- Door switch stops the fan when door is opened to avoid cold air exiting the cell, thus saving energy.
- R290 refrigerant to reduce green house and ozone depletion effects.
- CFC and HCFC-free insulation.
- The label complies with the delegated regulation (UE) 2015/1094 of the commission of 5th may 2015.
- Removable triple-chamber balloon magnetic gasket to improve insulation and reduce energy consumption and ease of cleaning.
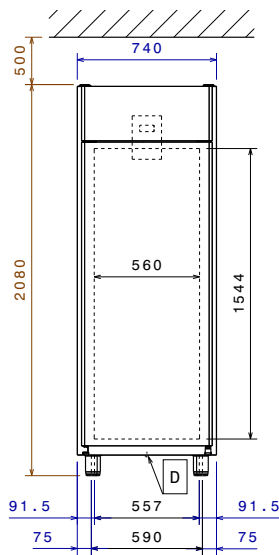
Included Accessories

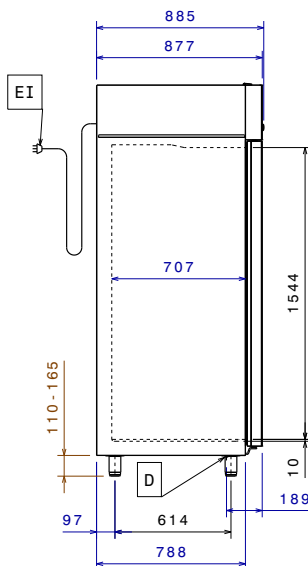- 4 of 2/1GN grey rilsan grid with 2 runners — PNC 881020

Optional Accessories

- 2 stainless steel runners for refrigerated cabinets - (Marine) — PNC 880242 ❑
- Set of 8 GN1/1 PVC containers for fish — PNC 880243 ❑
- Spacer for 670 lt and 1430 lt refrigerated cabinets — PNC 880248 ❑
- Pedal opening for cabinets — PNC 880324 ❑
- 1/1GN plastic container with false bottom — PNC 880705 ❑
- 4 swivelling wheels (2 with brake) for refrigerators, diam 125 mm, NOT for Glass Door and remote models — PNC 881002 ❑
- Kit of 10 pairs of runners and 4 tray supports to fit pastry trays (400x600mm) — PNC 881003 ❑
- 2/1GN grey rilsan grid — PNC 881004 ❑
- 2/1GN aisi 304 stainless steel grid — PNC 881016 ❑
- 2/1GN 304 AISI stainless steel grid with 2 runners — PNC 881018 ❑
- Meat rail for 670/1430lt refrigerators with 4 hooks — PNC 881019 ❑
- Set of 2 stainless steel runners for 670/1430lt refrigerators and freezers — PNC 881021 ❑
- 2/1GN pvc container with lid and 2 runners — PNC 881039 ❑
- 2/1GN perforated shelf — PNC 881042 ❑
- 1/1GN rilsan steel wire basket h=150mm — PNC 881043 ❑
- 2/1GN grey rilsan basket+2 runners h=150mm — PNC 881047 ❑
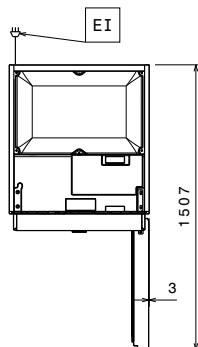
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2020.07.15

Front

740
500
2080
560
1544

D

91.5   557   91.5
75   590   75

Side

885
877

EI

707
1544

110 - 165

D

10

97   614   189
788

EI = Electrical inlet (power)

Top

EI

1507

3

Electric

Supply voltage:
727633 (ESP71FRCA) | 220-240 V/1 ph/50 Hz
Electrical power max.: | 0.25 kW

Key Information:

Gross capacity:	670 lt
Net Volume:	503 lt
Door hinges:	
External dimensions, Width:	740 mm
External dimensions, Height:	2080 mm
External dimensions, Depth:	885 mm
External dimensions, Depth with Doors Open:	1507 mm
Number and type of doors:	1 Full
Number and type of grids (included):	4 - GN 2/1
Type of external material:	304 AISI
Type of internal material:	304 AISI
Internal panels material:	304 AISI
Number of positions & pitch:	44; 30 mm

Refrigeration Data

Control type:	Digital
Compressor power:	1/4 hp
Refrigerant type:	R290
Refrigeration power:	320 W
Refrigeration power at evaporation temperature:	-10 °C
Refrigerant weight:	110 g
Operating temperature min.:	-2 °C
Operating temperature max.:	10 °C
Operating mode:	Ventilated

Product Information (EU Regulation 2015/1094)

Energy Class:	A
Yearly and daily energy consumption:	350kWh/year - 0.96kWkWh/24h
Climate class:	Heavy Duty (5)
Energy Efficiency Index (EEI):	24.36
Type of model:	vertical chilled

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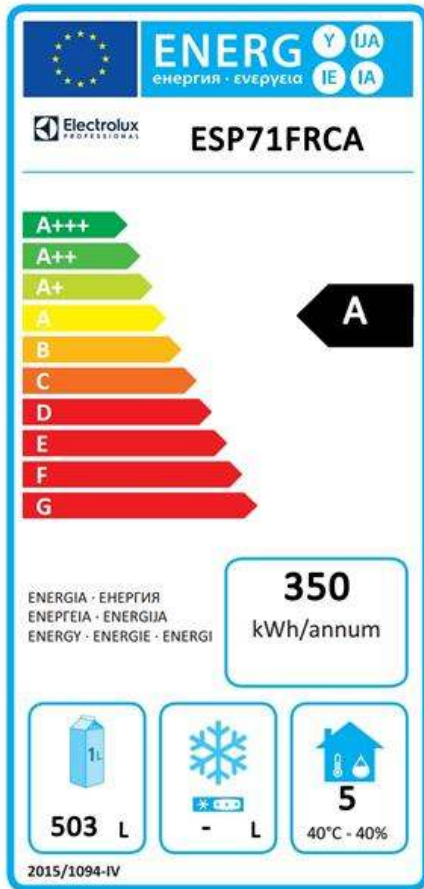
EU energy labelling from 1st July 2016

The European energy labelling scheme for professional refrigerators and freezers is based on requirements setting Minimum Energy Performance standards for commercial refrigeration cabinets sold within the EU. These requirements are designed to drive energy efficiency and environmentally friendly approach for professionals. The European energy labelling scheme will apply to all manufacturers and importers who sell and market products within the EU and it is mandatory across Europe.

Important: all products which consume energy above the minimum level will not be able to be sold within the EU from 1 July 2016.

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