

## ecostore Premium 1 Glass Door Digital Refrigerator, 670lt (+2/+10) - R290

ITEM # \_\_\_\_\_

MODEL # \_\_\_\_\_

NAME # \_\_\_\_\_

SIS # \_\_\_\_\_

AIA # \_\_\_\_\_


**727963 (ESP71GRC)**

 1-glass door Refrigerator  
 670lt, +2/+10°C (R290), digital,  
 AISI 304

### Short Form Specification

#### Item No.

Full glass door refrigerator entirely constructed in 304 AISI stainless steel with bottom panel in anti-corrosive material. Digital display featuring cabinet temperature display and setting, manual activation of defrost cycle and turbo frost cycle (to rapidly cool warm loads). HACCP-compliant control with alarms and history. Frost Watch Control to defrost only when required with automatic evaporation of defrost water. Optiflow: back to front forced air flow and removable air conveyors provides even temperature distribution and fast cooling in any conditions. Fitted with 75 mm-thick cyclopentane insulating foam. 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 unit; ventilated operation; Internal LED light and internal back light. CFC and HCFC free. R290 gas in refrigeration circuit. Prearranged to fit RS485 port to facilitate connection to a remote computer and integrated HACCP systems.

### Main Features

- Right hinged glass door with heated frame.
- 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.
- The operating temperature can be adjusted from +2 to +10°C to suit both meat and dairy storage requirements.
- Performance guaranteed at ambient temperatures of +32°C.
- Cabinet fitted with up to 75 mm thickness of cyclopentane insulation for best insulating performance with 100% environmental protection (thermal conductivity: 0,020 W/m\*K).
- 60 mm-thick insulation covering the evaporator can be easily removed with a single operation.
- Prearranged to fit RS485 port to facilitate connection to a remote computer and integrated HACCP systems.
- Led lights on the door guarantee an even light in the cavity.
- Digital temperature display and setting +2/+10 °C.
- Internal structure with 44 charging positions available to host grids, ensuring higher net capacity and a greater storage space.
- Possibility to select 3 different levels of humidity according with the type of food stored inside.
- Tropicalized unit.

### 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.
- Anti-corrosion bottom material 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.
- Stainless steel runners and supports easily disassembled.

### Sustainability



- 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.
- Door switch stops the fan when door is opened to avoid cold air exiting the cell, thus saving energy.
- Improved defrost and evaporator fan

APPROVAL: \_\_\_\_\_

- management - defrost type changes with temperature set-point: electric below +2°C while air convection defrost above +2°C, thus saving energy.
- R290 refrigerant to reduce green house and ozone depletion effects.
  - Removable triple-chamber balloon magnetic gasket to improve insulation and reduce energy consumption and ease of cleaning.
  - 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.
  - Interior LED light to save energy and for best internal visibility.
  - 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.
  - Cabinet certified as Class A in heavy duty working conditions (40°C-40% humidity) based on European Ecodesign directive.
  - The label complies with the delegated regulation (UE) 2015/1094 of the commission of 5th may 2015.

- Glass door protection kit for Glass Door Cabinets PNC 881163
- IoT module for refrigerated cabinets and counters PNC 881298

### Recommended Detergents

- S01 STAINLESS STEEL SURFACE POLISHER; 6 BOTTLES X 750ML C/T PNC 0S2881
- S05 - MULTIPURPOSE DEGREASER; 6PCS X 750ML; ADR&IMDG Limited Quantity PNC 0S3257

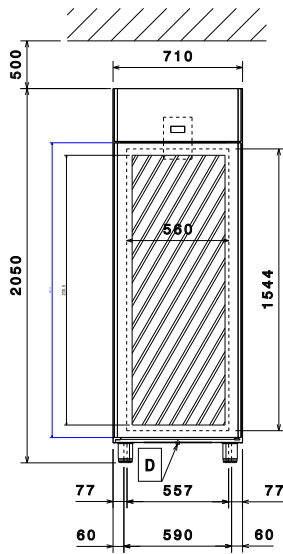
### Included Accessories

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

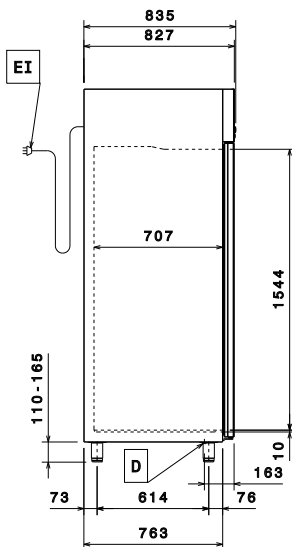
### Optional Accessories

- 2 stainless steel runners for refrigerated cabinets - (Marine) PNC 880242
- Set of 8 GNI/1 PVC containers for fish PNC 880243
- Spacer for 670 lt and 1430 lt refrigerated cabinets PNC 880248
- 1/1GN plastic container with false bottom PNC 880705
- 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
- Kit of 4 small swivelling wheels, 2 with brake, diam 50 mm, not for remote models PNC 881035
- 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

Front

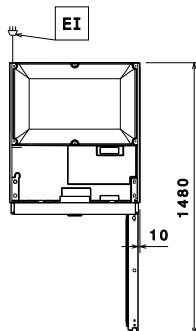


Side



EI = Electrical inlet (power)

Top



## Electric

Supply voltage: 220-240 V/1 ph/50 Hz  
 Electrical power, max: 0.3 kW

## Capacity:

Number and type of grids (included): 4 - GN 2/1

## Key Information:

Net Volume: 503 lt  
 External dimensions, Width: 710 mm  
 External dimensions, Depth: 835 mm  
 External dimensions, Depth with Doors Open: 1480 mm  
 External dimensions, Height: 2050 mm  
 Number and type of doors: 1 Glass  
 Type of external material: 304 AISI  
 Type of internal material: 304 AISI  
 Internal panels material: 304 AISI  
 Number of positions & pitch: 44; 30 mm  
 Gross capacity: 670 lt  
 Type of model (EU Regulation. 2015/1094): vertical chilled

## Refrigeration Data

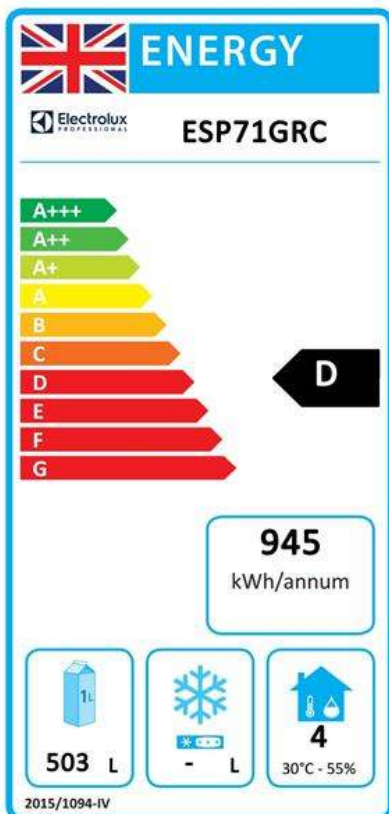
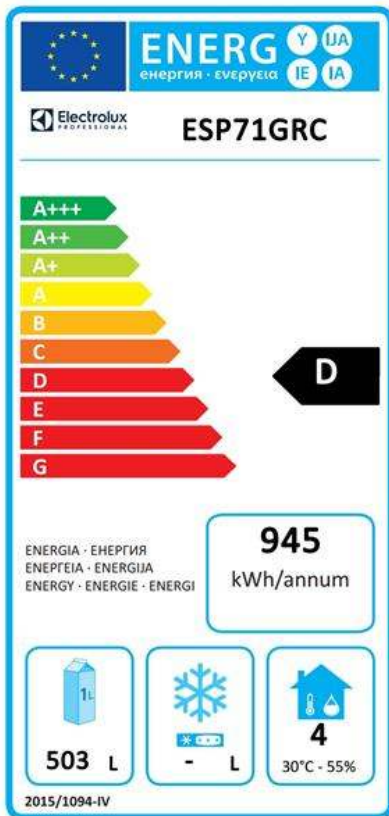
Control type: Digital  
 Refrigeration power at evaporation temperature: -10 °C  
 Operating temperature min.: 2 °C  
 Operating temperature max.: 10 °C  
 Operating mode: Ventilated

## ISO Certificates

ISO Standards: ISO 9001; ISO 14001; ISO 45001; ISO 50001

## Sustainability

Refrigerant type: R290  
 GWP Index: 3  
 Refrigeration power: 322 W  
 Refrigerant weight (unit 1): 80 g  
 Energy Class (EU Reg. 2015/1094): D  
 Yearly and daily energy consumption (EU Reg. 2015/1094): 945kWh/year - 2.59kWh/24h  
 Climate class (EU Reg. 2015/1094): Normal duty (cl.4)  
 Energy Efficiency Index-EEI (EU Reg. 2015/1094): 65,83



## 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.

SI 2020 No. 1528.

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