

# ALPENINOX

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

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

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

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

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

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



729510 (CTE71GRC)

1-glass door refrigerator  
670lt, +2/+10°C, digital,  
(R290), 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. Large 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. IQ Defrost to defrost only when required with automatic evaporation of defrost water. Three probes to constantly monitor the working conditions of the appliance. Airflow System: back to front forced air flow and removable air conveyors provide 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. For ambient temperatures up to 32°C. 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

- Large storage area suitable to contain 2/1 GN grids or shelves on anti-tilt runners.
- Performance guaranteed at ambient temperatures of +32°C.
- Right hinged glass door with heated frame.
- The operating temperature can be adjusted from +2 to +10°C to suit both meat and dairy storage requirements.
- 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).
- Automatic evaporation of the defrosting water by hot gas on the top for energy saving.
- Cleaning-free condenser: the structure of the wire frame condenser prevents dust and grease accumulation thus avoiding periodical cleaning operations and reducing energy consumption.
- Interior LED light to save energy and for best internal visibility.
- Internal structure with numerous charging positions available to host grids, ensuring higher net capacity and a greater storage space.
- 60 mm-thick insulation covering the evaporator can be easily removed with a single operation.
- Removable triple-chamber balloon magnetic gasket to improve insulation and reduce energy consumption and ease of cleaning.
- 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.
- Large digital white-digit display with cabinet temperature display and setting, manual activation of defrost cycle, turbo frost cycle (to rapidly cool warm loads) and internal light switch.
- 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.
- Prearranged to fit RS485 port to facilitate connection to a remote computer and integrated HACCP systems.
- Airflow: back to front forced air flow and removable air conveyors provide even temperature distribution and fast cooling in any conditions.
- IQ Defrost: fully automatic defrost starts only when ice is actually building-up in the evaporator.
- Provided with stainless steel A304 grids.
- 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.
- Led lights on the door guarantee an even light in the cavity.

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

## Construction

- CFC and HCFC-free insulation.
- Interior base with rounded corners, pressed from a single sheet.
- Constructed from the highest quality AISI 304 Stainless steel.
- Easy access to the main components for maintenance.
- Stainless steel runners and supports easily disassembled.
- R290 refrigerant to reduce green house and ozone depletion effects.
- The rounded internal corners, the easily removable runners, grids and air conveyors allow for ease of cleaning and high hygiene standards.
- Door switch stops the fan when door is opened to avoid cold air exiting the cell, thus saving energy.
- Anti-corrosion bottom avoids any damage that may be caused to the cabinet by aggressive detergents employed to clean the floors.
- Lockable door.

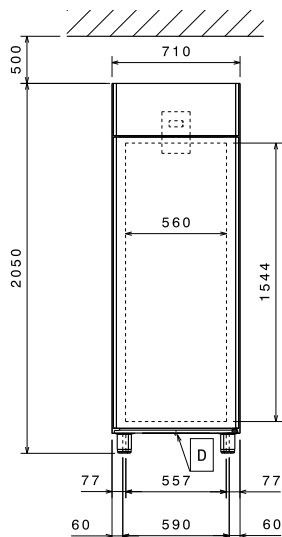
## Included Accessories

- 3 of AISI 304 stainless steel grid with 2 runners, 2/1GN PNC 881018

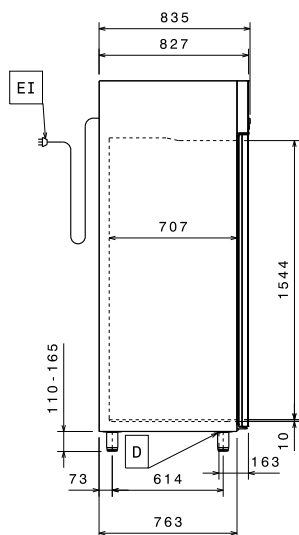
## Optional Accessories

- Grids support with 50 positions for refrigerated cabinets (Crio Tech) PNC 880237
- 2 stainless steel runners for refrigerated cabinets - (Marine) PNC 880242
- 1/1GN set of 8 PVC containers for fish PNC 880243
- Spacer for 670L and 1430L refrigerated cabinets PNC 880248
- Pedal opening for cabinets PNC 880324
- Plastic container with false bottom, 1/1GN PNC 880705
- Kit to fit 10 pastry trays (400x600mm) PNC 881003
- 2/1GN gray rilsan grid PNC 881004
- AISI 304 stainless steel grid, 2/1GN PNC 881016
- AISI 304 stainless steel grid with 2 runners, 2/1GN PNC 881018
- Meat rail for 670/1430L refrigerators with 4 hooks PNC 881019
- 2/1GN gray rilsan grid with 2 runners PNC 881020
- Set of 2 stainless steel runners for 670/1430L refrigerators and freezers PNC 881021
- Kit of 4 small swivelling wheels (2 with brake), diam 50mm, NOT for remote models PNC 881035
- PVC container with lid and 2 runners, 2/1GN PNC 881039
- 2/1GN perforated shelf PNC 881042
- 1/1GN rilsan steel wire basket h150mm PNC 881043
- 2/1GN gray rilsan basket + 2 runners h150mm PNC 881047
- Glass door protection kit PNC 881163

### Front

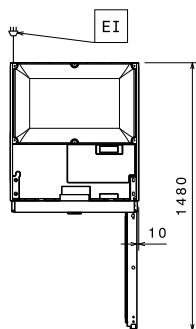


### Side



EI = Electrical inlet (power)  
RI = Refrigerant Inlet  
RO = Refrigerant Outlet

### Top



### Electric

Supply voltage:  
729510 (CTE71GRC) 220-230 V/1 ph/50 Hz  
Electrical power max.: 0.23 kW

### Key Information:

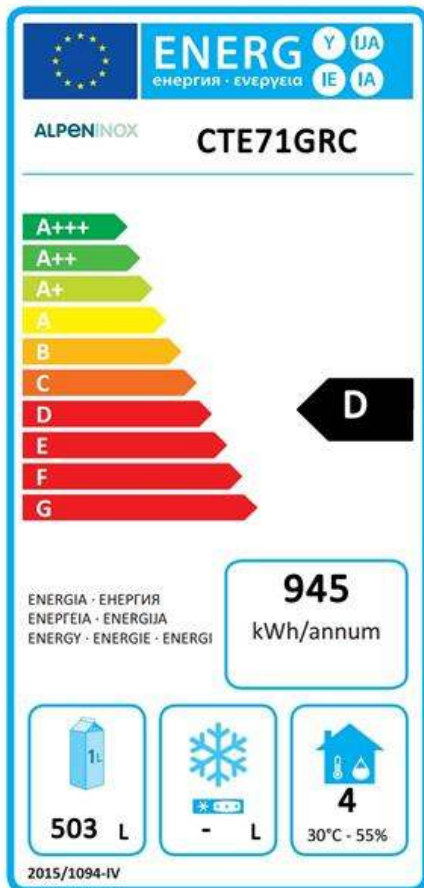
Gross capacity: 670 lt  
Net Volume: 503 lt  
External dimensions, Width: 710 mm  
External dimensions, Height: 2050 mm  
External dimensions, Depth: 835 mm  
External dimensions, Depth with Doors Open: 1480 mm  
Number and type of grids (included): 3 - GN 2/1  
Type of external material: 304 AISI  
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: 322 W  
Refrigeration power at evaporation temperature: -10 °C  
Refrigerant weight: 80 g  
Operating temperature min.: 2 °C  
Operating temperature max.: 10 °C  
Operating mode: Ventilated  
Cooling unit: Built-In  
Defrost type: Electric

### Product Information (EU Regulation 2015/1094)

Energy Class: D  
Yearly and daily energy consumption: 945kWh/year - 2.59kWh/24h  
Climate class: Normal duty (cl.4)  
Energy Efficiency Index (EER): 65,83  
Type of model: vertical chilled



### 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.