# ALPENINOX

## Crio Tech
## 2 Glass Door Digital Refrigerator, 1430lt (+2/+10) - R290



**729512 (CTE142GRC)**

2-glass door refrigerator 1430lt, +2/+10°C, digital, (R290), AISI 304

## Short Form Specification

**Item No.** _____

Two 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 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. 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. 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.

**APPROVAL:**

## 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.
- 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).
- 60 mm-thick insulation covering the evaporator can be easily removed with a single operation.
- 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.
- 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.
- Led lights on the door guarantee an even light in the cavity.
- Rilsan coated grids for improved protection.
- Connectivity ready for real time access to connected appliances from remote and data monitoring (requires optional accessory).
- Large digital white-digit display with cabinet temperature display and setting, activation of turbo frost cycle (to rapidly cool warm loads) and possibility to activate manually the defrost cycle.
- 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.
- Alpeninox Fridge Control APP make the life easier for our customers:
  - Monitor safety of preservation process thanks to HACCP data & alarms for precise control
  - Save time and easy data management having the possibility to send the HACCP information in excel format directly to e-mail address
  - Quick operations: set the cabinet temperature/humidity/turbocooling and set date/hour
- Large digital white-digit display with cabinet temperature display and setting, and possibility to select the desired levels of humidity. Bluetooth technology included allows to keep HACCP historical data and download them through the app.

## Construction

- 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.
- The rounded internal corners, the easily removable runners, grids and air conveyors allow for ease of cleaning and high hygiene standards.
- Anti-corrosion bottom avoids any damage that may be caused to the cabinet by aggressive detergents employed to clean the floors.
- Lockable door.

## Sustainability

- CFC and HCFC-free insulation.
- Automatic evaporation of the defrosting water by hot gas on the top for energy saving.
- R290 refrigerant to reduce green house and ozone depletion effects.
- 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.
- Door switch stops the fan when door is opened to avoid cold air exiting the cell, thus saving energy.
- 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.
- 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.
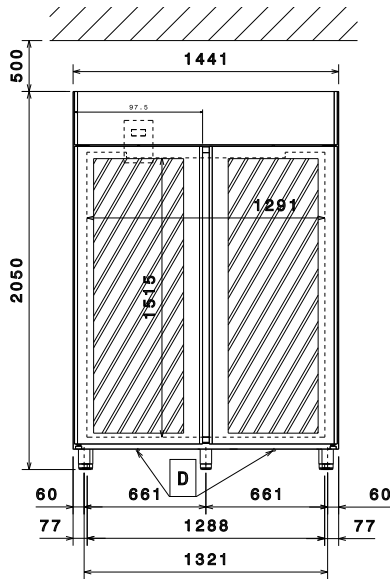
## Included Accessories

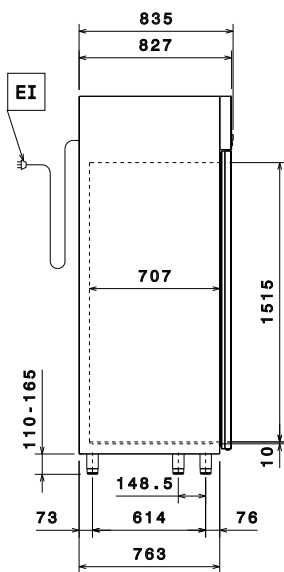- 6 of AISI 304 stainless steel grid with 2 runners, 2/1GN — PNC 881018

## Optional Accessories

- 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 ❑
- Kit to fit 20 pastry trays (400x600mm) — PNC 880333 ❑
- Plastic container with false bottom, 1/1GN — PNC 880705 ❑
- 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 ❑
- Pedal opening for 1430L refrigerators — PNC 881033 ❑
- 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 ❑
- 5 swivelling wheels (2 with brake), diam 125mm,  for 1430 lt refrigerators, NOT for remote models — PNC 881294 ❑
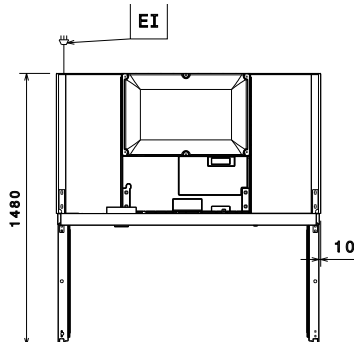
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2024.09.04

**Front**

**Side**

EI = Electrical inlet (power)

**Top**

## Electric

| | |
|---|---|
| **Supply voltage:** | |
| 729512 (CTE142GRC) | 220-240 V/1 ph/50 Hz |
| **Electrical power max.:** | 0.29 kW |

## Key Information:

| | |
|---|---|
| **Gross capacity:** | 1430 lt |
| **Net Volume:** | 1037 lt |
| **External dimensions, Width:** | 1441 mm |
| **External dimensions, Depth:** | 835 mm |
| **External dimensions, Depth with Doors Open:** | 1480 mm |
| **External dimensions, Height:** | 2050 mm |
| **Number and type of grids (included):** | 6 - 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 |
| **Refrigeration power at evaporation temperature:** | -10 °C |
| **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)

| | |
|---|---|
| **Type of model (EU Reg. 2015/1094):** | vertical chilled |

## Sustainability

| | |
|---|---|
| **Energy Class (EU Reg. 2015/1094):** | E |
| **Yearly and daily energy consumption (EU Reg. 2015/1094):** | 1883kWh/year - 5kWh/24h |
| **Climate class (EU Reg. 2015/1094):** | Normal duty (cl.4) |
| **Energy Efficiency Index-EEI (EU Reg. 2015/1094):** | 81,42 |
| **Refrigerant type:** | R290 |
| **GWP Index:** | 3 |
| **Refrigeration power:** | 395 W |
| **Refrigerant weight:** | 130 g |

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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.*

*SI 2020 No. 1528.*

<u>Important</u>: 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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YIJA
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ALPENINOX  CTE142GRC

A+++
A++
A+
A
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C
D
E
F
G

E

ENERGIA · ЕНЕРГИЯ
ЕΝΕΡΓΕΙΑ · ENERGIJA
ENERGY · ENERGIE · ENERGI

**1883** kWh/annum

1037 L   -  L   4  30°C - 55%

2015/1094-IV

ENERGY

ALPENINOX  CTE142GRC

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2015/1094-IV

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