# 2 Half Door Dual Digital Refrigerator, 670lt (-2/-2) - R290

**728691 (CTE72HDRC)**
2-half door, dual temperature refrigerator 670L, -2+10°C / -2+10°C, (R290), digital, AISI 304

What our App can do for you:

- Stay Connected: real-time equipment monitoring ensures you're always up to date
- Smart Connection: bluetooth integration for fast, reliable control
- Control at Your Fingertips: adjustments made easy for seamless operations
- Effortless Compliance: download HACCP data in seconds, simplifying food safety management

## Main Features

- Large storage area suitable to contain 2/1 GN grids or shelves on anti-tilt runners.
- Operating temperature can be adjusted from -2 to +10 °C to suit different food storage requirements.
- Dual temperature type: -2 +10 °C/-2 +10 °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.
- Right hinged two 1/2 door with heated frame.
- 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.
- Performance guaranteed at ambient temperatures of +40°C (Climatic class 5).
- 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.



The company reserves the right to make modifications to the products without prior notice. All information correct at time of printing.

## Construction

- Interior base with rounded corners, pressed from a single sheet.
- Lockable door.
- 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 material avoids any damage that may be caused to the cabinet by aggressive detergents employed to clean the floors.

## User Interface & Data Management

- 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.
- Alpeninox Fridge Control APP makes 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 (up to 30 days of memory)
  - Quick operations: set the cabinet temperature/humidity/turbocooling and set date/hour
- 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.
- Connect the product (with accessory) to the OneConnected Platform via Wi Fi or ethernet connection for a seamless remote experience. Real-time monitoring and analytics, alarm management, HACCP data management, APIs, and advanced features keep your fridge fully under control.


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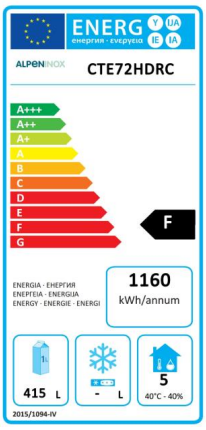
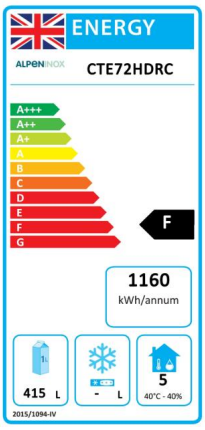
# A focus on sustainability

## 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.




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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## Certifications & Recognitions

International system for mutual acceptance of test reports and certificates concerning the safety of electrical and electronic components, equipment, and products.

Product assessed by the manufacturer and deemed to meet EU safety, health, and environmental protection requirements.



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# Technical specifications

**Electric**

| | |
|---|---|
| **Supply voltage:** | 220-240 V/1 ph/50 Hz |
| **Compressor power:** | 1/4 hp |

**Key Information:**

| | |
|---|---|
| **Number and type of grids (included):** | 3 (GN 2/1) |
| **Net Volume:** | 415 lt |
| **N° of doors:** | 2x1/2 |
| **External dimensions, Width:** | 710 mm |
| **External dimensions, Depth:** | 835 mm |
| **External dimensions, Depth with Doors Open:** | 1480 mm |
| **External dimensions, Height:** | 2050 mm |
| **Type of external material:** | Stainless Steel AISI 304 |
| **Type of internal material:** | Stainless Steel AISI 304 |
| **Internal panels material:** | Stainless Steel AISI 304 |
| **Number of positions & pitch:** | 40; 30 mm |
| **Gross capacity:** | 670 liter |
| **Type of model:** | 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 temperature - First compartment (min-max):** | -2°C / 10°C |
| **Operating temperature - Second compartment (min-max):** | -2°C / 10°C |
| **Operating mode:** | Ventilated |
| **Cooling unit:** | Built-In |
| **Defrost type:** | Automatic |

**Sustainability**

| | |
|---|---|
| **Refrigerant type:** | R290 |
| **Refrigeration power:** | 395 W |
| **Refrigerant weight:** | 100 g |
| **Energy Class (EU Reg. 2015/1094):** | F |
| **Climate class (EU Reg. 2015/1094):** | Heavy Duty (5) |
| **Energy Efficiency Index-EEI (EU Reg. 2015/1094):** | 89,86 |



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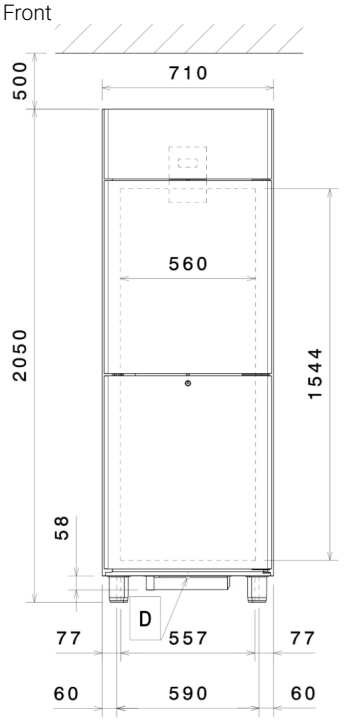
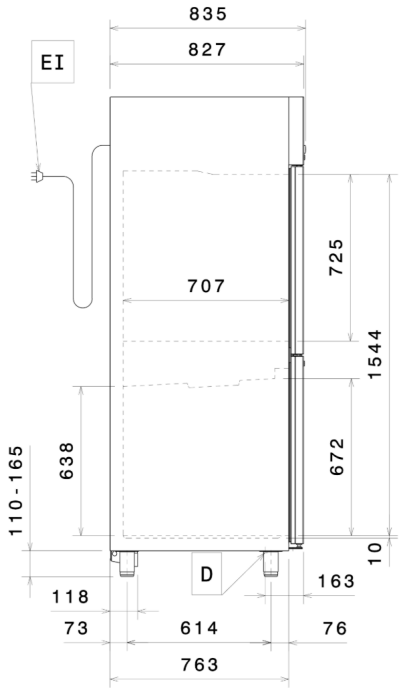
# Installation drawings

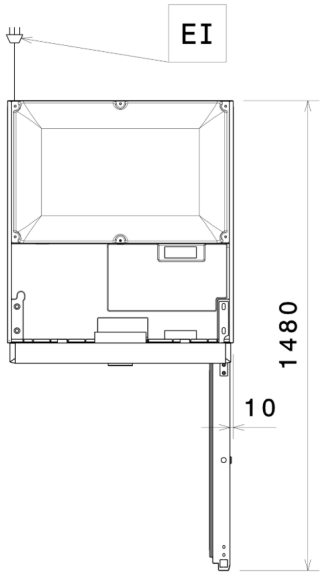
Front



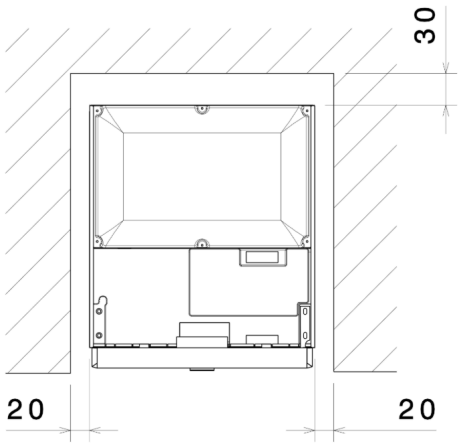

Side




Top




Distances




EI = Electrical inlet (power)
RI = Refrigerant Inlet

RO = Refrigerant Outlet



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# Accessories

## Included Accessories

| PNC Code | Description | Quantity |
|---|---|---|
| 881018 | AISI 304 stainless steel grid with 2 runners, 2/1GN | 3 |

## Optional Accessories

| PNC Code | Description |
|---|---|
| **Baskets** | |
| 881043 | 1/1GN rilsan steel wire basket h150mm |
| **Containers, trays and grids** | |
| 880242 | 2 stainless steel runners for refrigerated cabinets - (Marine) |
| 880243 | 1/1GN set of 8 PVC containers for fish |
| 880248 | Spacer for 670L and 1430L refrigerated cabinets |
| 880705 | Plastic container with false bottom, 1/1GN |
| 881004 | 2/1GN gray rilsan grid |
| 881016 | AISI 304 stainless steel grid, 2/1GN |
| 881018 | AISI 304 stainless steel grid with 2 runners, 2/1GN |
| 881020 | 2/1GN gray rilsan grid with 2 runners |
| 881021 | Set of 2 stainless steel runners for 670/1430L refrigerators and freezers |
| 881039 | PVC container with lid and 2 runners, 2/1GN |
| 881042 | 2/1GN perforated shelf |
| 881047 | 2/1GN gray rilsan basket + 2 runners h150mm |
| **Feet, wheels and ramps** | |
| 880324 | Pedal opening for cabinets |
| 881002 | 4 swivelling wheels (2 with brake), diam 125 mm, for refrigerators, NOT for remote models |
| **Other accessories** | |
| 881298 | IoT module for refrigerated cabinets and counters |

## Recommended Detergents

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



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