1 Door Digital Refrigerator, 670lt (-2/+10) - R290

728683 (CTE71FRC)
1-door refrigerator 670L, -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.
- 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.
- 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.

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.

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

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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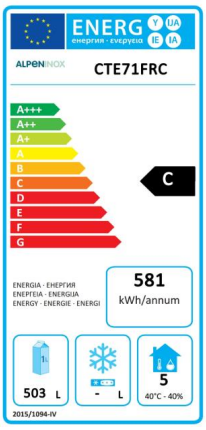
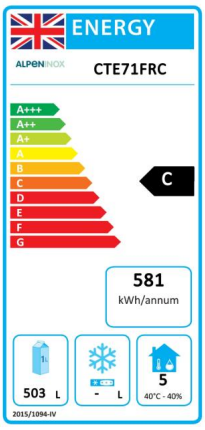
A focus on sustainability

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:	503 lt
N° of doors:	1
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:	44; 30 mm
Gross capacity:	670 liter
Type of model:	Vertical chilled

Refrigeration Data

Control type:	Digital
Refrigeration power at evaporation temperature:	-10 °C
Min/Max internal humidity:	70/90
Operating temperature min.:	-2 °C
Operating temperature max.:	10 °C
Operating mode:	Ventilated
Cooling unit:	Built-In
Defrost type:	Electric

Sustainability

Refrigerant type:	R290
Refrigeration power:	322 W
Refrigerant weight:	80 g
Energy Class (EU Reg. 2015/1094):	C
Climate class (EU Reg. 2015/1094):	Heavy Duty (5)
Energy Efficiency Index-EEI (EU Reg. 2015/1094):	40,47

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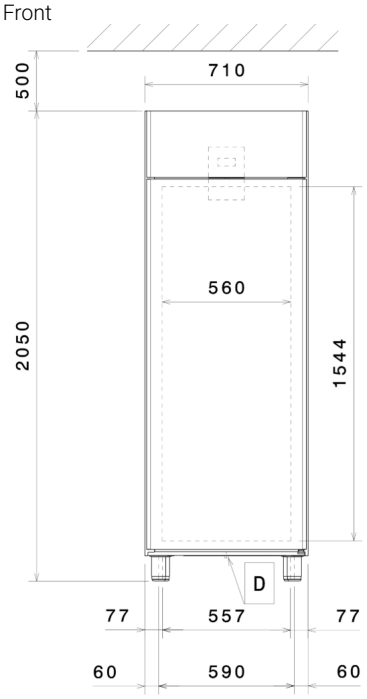
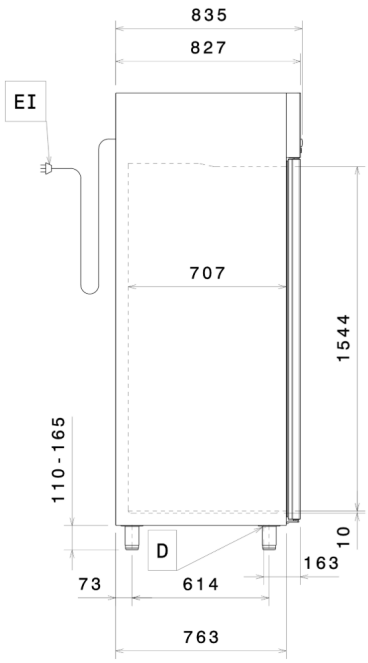
Installation drawings

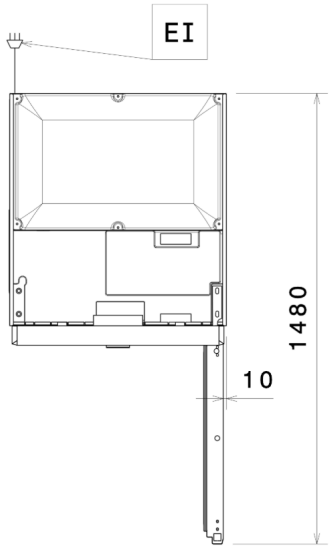
Front



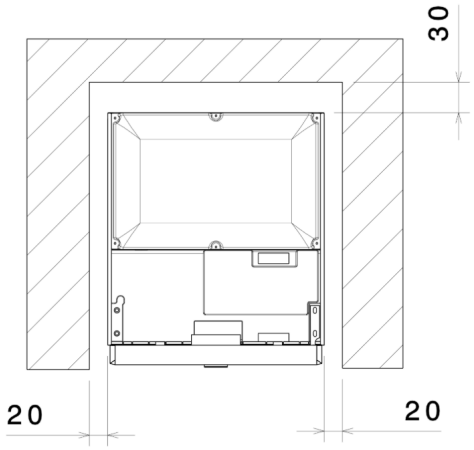
Side



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
881003	Kit to fit 10 pastry trays (400x600mm)
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
881019	Meat rail for 670/1430L refrigerators with 4 hooks
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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