

**R290** **110588 (NP71FFC)**

1-door freezer 670lt, -22-15°C, digital, AISI 304, R290

Main Features

- 60 mm-thick insulation covering the evaporator can be easily removed with a single operation.
- Tropicalized unit.
- Large storage area suitable to contain 2/1 GN grids or shelves on anti-tilt runners.
- 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).
- Optiflow: back to front forced air flow and removable air conveyors provide even temperature distribution and fast cooling in any conditions.
- Prearranged to fit RS485 port to facilitate connection to a remote computer and integrated HACCP systems.
- Internal structure with 44 charging positions available to host grids, ensuring higher net capacity and a greater storage space.

Construction

- Lockable door.
- Constructed from the highest quality AISI 304 Stainless steel.
- Easy access to the main components for maintenance.
- Anti-corrosion bottom material avoids any damage that may be caused to the cabinet by aggressive detergents employed to clean the floors.
- Interior base with rounded corners, pressed from a single sheet.
- 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.

User Interface & Data Management

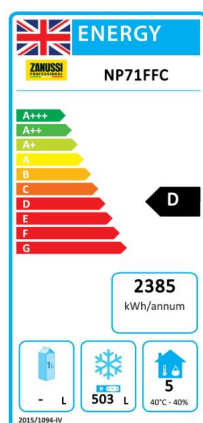
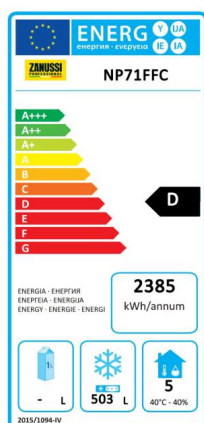
- Large digital white-digit display with cabinet temperature display and setting, activation of turbo frost cycle (to rapidly cool warm loads) and possibility to activate manually the defrost cycle.
- Large digital white-digit display with cabinet temperature display and setting. Bluetooth technology included allows to keep HACCP historical data and download them through the app.
- 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.
- Zanussi Professional 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
 - Quick operations: set the cabinet temperature/turbocooling and set date/hour



A focus on sustainability

Sustainability

- 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.
- 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.
- 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.
- CFC and HCFC-free insulation.
- R290 refrigerant to reduce green house and ozone depletion effects.
- 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.



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.



Technical specifications

Electric

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

Key Information:

Number and type of grids (included):	4 (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 freezer

Refrigeration Data

Control type:	Digital
Refrigeration power at evaporation temperature:	-30 °C
Operating temperature min.:	-15 °C
Operating temperature max.:	-22 °C
Operating mode:	Ventilated

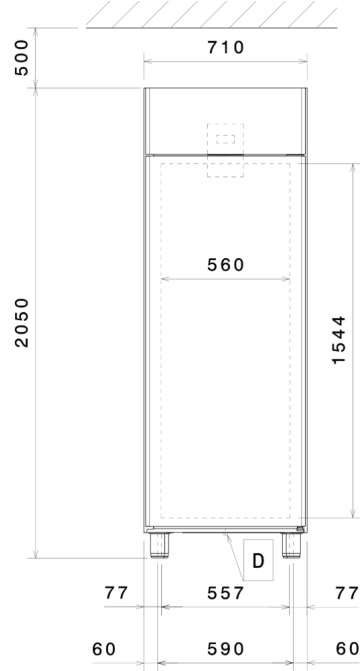
Sustainability

Refrigeration power:	586 W
Refrigerant weight:	90 g
Energy Class (EU Reg. 2015/1094):	D
Climate class (EU Reg. 2015/1094):	Heavy Duty (5)
Energy Efficiency Index-EEI (EU Reg. 2015/1094):	60,37

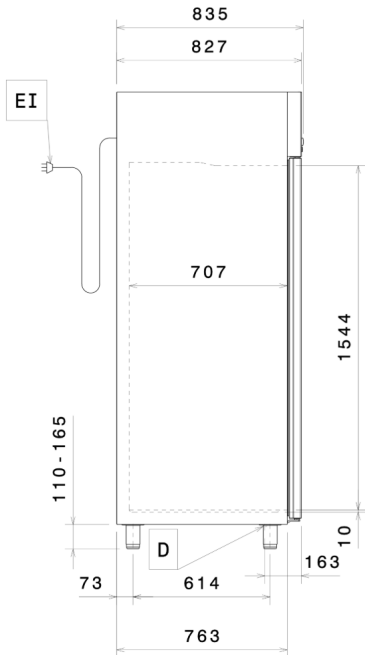


Installation drawings

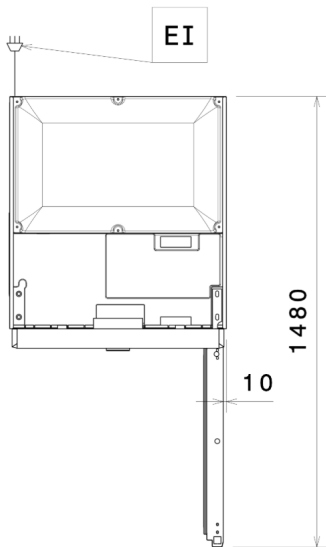
Front



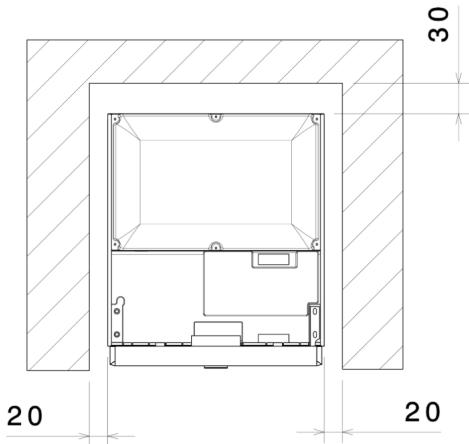
Side



Top



Distances



EI = Electrical inlet (power)
RI = Refrigerant Inlet

RO = Refrigerant Outlet

Accessories

Included Accessories

PNC Code	Description	Quantity
881020	2/1GN grey rilsan grid with 2 runners	4

Optional Accessories

PNC Code	Description
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Baskets

881043	1/1GN rilsan steel wire basket h=150mm
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Containers, trays and grids

880242	2 stainless steel runners for refrigerated cabinets (Marine)
880243	Set of 8 GN1/1 PVC containers for fish
880248	Spacer for 670 lt and 1430 lt refrigerated cabinets
880705	1/1GN plastic container with false bottom
881003	Kit to fit 10 pastry trays (400x600mm)
881004	2/1GN grey rilsan grid
881016	2/1GN aisi 304 stainless steel grid
881018	2/1GN 304 AISI stainless steel grid with 2 runners
881021	Set of 2 stainless steel runners for 670/1430lt refrigerators and freezers
881039	2/1GN pvc container with lid and 2 runners
881042	2/1GN perforated shelf
881047	2/1GN grey rilsan basket+2 runners h=150mm

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
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Recommended Detergents

PNC Code	Description
0S2881	S01 STAINLESS STEEL SURFACE POLISHER; 6 BOTTLES X 750ML C/T
0S2883	S03 ALCOHOL BASE DETERGENT; 6 BOTTLES X 750ML; ADR&IMDG&IATA Limited Quantity
0S2884	S04 GLASSES & HARD SURFACES CLEANERS; 6 BOTTLES X 750ML
0S3257	S05 - MULTIPURPOSE DEGREASER; 6PCS X 750ML; ADR&IMDG Limited Quantity

