ZANUSSI
PROFESSIONAL

NPT Active HPe
1 Door Digital Refrigerator,
670lt (-2/+10) - R290 - Class A

111319 (NPT71FRHPA)   1-door refrigerator
670lt, -2+10°C, digital, AISI
304, R290, Class A

Short Form Specification

Full door refrigerator entirely constructed in 304 AISI stainless steel with bottom panel in anti-corrosive material. Large digital white-digit display with cabinet temperature display and setting, and possibility to select the desired levels of humidity. HACCP-compliant control with alarms and history. Automatic defrost activates only when required with automatic evaporation of defrost water. Optimized back to front forced air flow and removable air conveyors provide even temperature distribution and fast cooling in any conditions. Fitted with 90 mm-thick cyclopentane insulating foam. On-site reversible 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. Supplied with n. 4x2/1GN Rilsan coated grids and n. 4 sets of 2 stainless steel grid runners. Certified as Class A (in accordance with EU Regulation 2015/1094). Integrated RS485 port to facilitate connection to a remote computer and integrated HACCP systems.

Main Features

- Cabinet fitted with up to 90 mm thickness of cyclopentane insulation for best insulating performance with 100% environmental protection (thermal conductivity: 0,020 W/m*K).
- 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.
- Optiflow: back to front forced air flow and removable air conveyors provide even temperature distribution and fast cooling in any conditions.
- 60 mm-thick insulation covering the evaporator can be easily removed with a single operation.
- 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, and possibility to select the desired levels of humidity. Bluetooth technology included allows to keep HACCP historical data and download them through the app.
- Zanussi Professional 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
- Fully compliant HACCP digital control: when temperature exceeds critical limits, acoustic and visual alarms are activated. Up to 30 days of event are kept in memory.
- Performance guaranteed at ambient temperatures of +40°C (Climatic class 5).
- 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 avoids any damage that may be caused to the cabinet by aggressive detergents employed to clean the floors.

Sustainability

- 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

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(40°C-40% humidity) based on European Ecodesign directive.

- 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.
- 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.
- The label complies with the delegated regulation (UE) 2015/1094 of the commission of 5th may 2015.
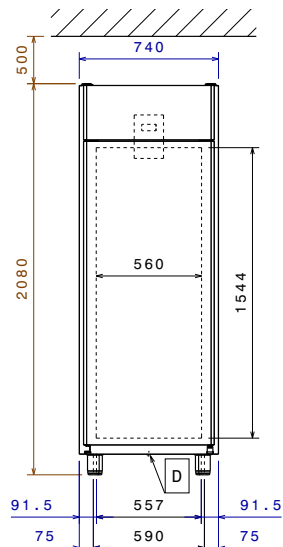
Included Accessories
- 4 of 2/1GN grey rilsan grid with 2 runners   PNC 881020
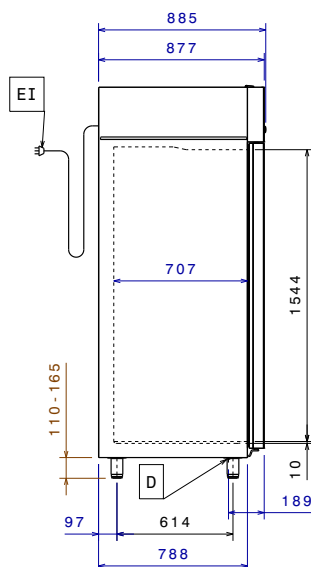
Optional Accessories
2 stainless steel runners for refrigerated cabinets (Marine)	PNC 880242	❏
Set of 8 GN1/1 PVC containers for fish	PNC 880243	❏
Pedal opening for cabinets	PNC 880324	❏
1/1GN plastic container with false bottom	PNC 880705	❏
4 swivelling wheels (2 with brake), diam 125 mm, for refrigerators, NOT for remote models	PNC 881002	❏
Kit to fit 10 pastry trays (400x600mm)	PNC 881003	❏
2/1GN grey rilsan grid	PNC 881004	❏
2/1GN aisi 304 stainless steel grid	PNC 881016	❏
2/1GN 304 AISI stainless steel grid with 2 runners	PNC 881018	❏
Meat rail for 670/1430lt refrigerators with 4 hooks	PNC 881019	❏
Set of 2 stainless steel runners for 670/1430lt refrigerators and freezers	PNC 881021	❏
2/1GN pvc container with lid and 2 runners	PNC 881039	❏
2/1GN perforated shelf	PNC 881042	❏
1/1GN rilsan steel wire basket h=150mm	PNC 881043	❏
2/1GN grey rilsan basket+2 runners h=150mm	PNC 881047	❏
IoT module for refrigerated cabinets and counters	PNC 881298	❏
POE switch	PNC 922432	❏

NPT Active HPe
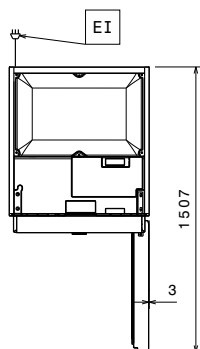**1 Door Digital Refrigerator, 670lt (-2/+10) - R290 - Class A**

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

2025.07.02

Front

Side

EI = Electrical inlet (power)

Top

Electric

Supply voltage:	220-240 V/1 ph/50 Hz
Electrical power, max:	0.19 kW

Capacity:

Number and type of grids (included):	3 - GN 2/1

Key Information:

Net Volume:	503 lt
Door hinges:	
External dimensions, Width:	740 mm
External dimensions, Depth:	885 mm
External dimensions, Depth with Doors Open:	1507 mm
External dimensions, Height:	2080 mm
Number and type of doors:	1 Full
Type of external material:	304 AISI
Type of internal material:	304 AISI
Internal panels material:	304 AISI
Number of positions & pitch:	44; 30 mm
Gross capacity:	670 lt
Type of model (EU Regulation. 2015/1094):	vertical chilled

Refrigeration Data

Control type:	Digital
Refrigeration power at evaporation temperature:	-10 °C
Operating temperature min.:	-2 °C
Operating temperature max.:	10 °C
Compressor power:	1/4 hp
Operating mode:	Ventilated

Sustainability

Refrigerant type:	R290
GWP Index:	3
Refrigeration power:	320 W
Refrigerant weight:	110 g
Energy Class (EU Reg. 2015/1094):	A
Yearly and daily energy consumption (EU Reg. 2015/1094):	299kWh/year - 1kWh/24h
Climate class (EU Reg. 2015/1094):	Heavy Duty (5)
Energy Efficiency Index-EEI (EU Reg. 2015/1094):	22.30

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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.

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A+++
A++
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A

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299 kWh/annum

503 L | - L | 5 / 40°C - 40%

2015/1094-IV

ENERGY

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2015/1094-IV