

NPT Active 1 Glass Door Digital Refrigerator, 670lt (+2/+10) R290

ITEM # _____

MODEL # _____

NAME # _____

SIS # _____

AIA # _____



110848 (NP71GRC)

1-glass door refrigerator
670lt, +2+10°C (R290), digital,
AISI 304

Short Form Specification

Item No.

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, manual activation of defrost cycle and turbo frost cycle (to rapidly cool warm loads). HACCP-compliant control with alarms and history. Active defrost to defrost only when required with automatic evaporation of defrost water. Back to front forced air flow and removable air conveyors provides 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 and internal back 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.
- Right hinged glass door with heated frame.
- 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/m²K).
- 60 mm-thick insulation covering the evaporator can be easily removed with a single operation.
- Optiflow: back to front forced air flow and removable air conveyors provide even temperature distribution and fast cooling in any conditions.
- Led lights on the door guarantee an even light in the cavity.
- 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.
- Prearranged to fit RS485 port to facilitate connection to a remote computer and integrated HACCP systems.
- Digital temperature display and setting +2/+10 °C.
- 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.

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 (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.
- 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.

Included Accessories

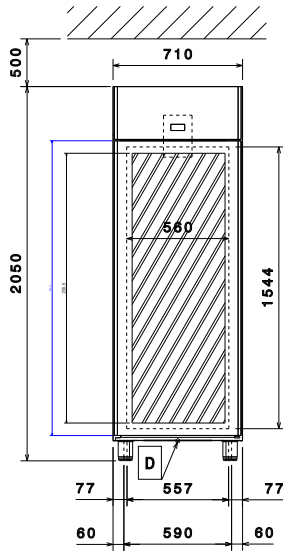
- 4 of 2/1GN grey rilsan grid with 2 runners PNC 881020

Optional Accessories

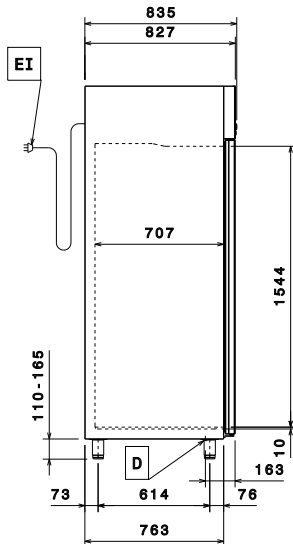
- | | | |
|--|------------|--------------------------|
| • 2 stainless steel runners for refrigerated cabinets (Marine) | PNC 880242 | <input type="checkbox"/> |
| • Set of 8 GN1/1 PVC containers for fish | PNC 880243 | <input type="checkbox"/> |
| • Spacer for 670 lt and 1430 lt refrigerated cabinets | PNC 880248 | <input type="checkbox"/> |
| • Pedal opening for cabinets | PNC 880324 | <input type="checkbox"/> |
| • 1/1GN plastic container with false bottom | PNC 880705 | <input type="checkbox"/> |
| • Kit to fit 10 pastry trays (400x600mm) | PNC 881003 | <input type="checkbox"/> |
| • 2/1GN grey rilsan grid | PNC 881004 | <input type="checkbox"/> |
| • 2/1GN aisi 304 stainless steel grid | PNC 881016 | <input type="checkbox"/> |
| • 2/1GN 304 AISI stainless steel grid with 2 runners | PNC 881018 | <input type="checkbox"/> |
| • Meat rail for 670/1430lt refrigerators with 4 hooks | PNC 881019 | <input type="checkbox"/> |
| • Set of 2 stainless steel runners for 670/1430lt refrigerators and freezers | PNC 881021 | <input type="checkbox"/> |
| • 4 small swivelling wheels, 2 with brake, diam 50 mm, not for remote models | PNC 881035 | <input type="checkbox"/> |
| • 2/1GN pvc container with lid and 2 runners | PNC 881039 | <input type="checkbox"/> |
| • 2/1GN perforated shelf | PNC 881042 | <input type="checkbox"/> |
| • 1/1GN rilsan steel wire basket h=150mm | PNC 881043 | <input type="checkbox"/> |
| • 2/1GN grey rilsan basket+2 runners h=150mm | PNC 881047 | <input type="checkbox"/> |
| • Glass door protection kit for Glass Door Cabinets | PNC 881163 | <input type="checkbox"/> |
| • IoT module for refrigerated cabinets and counters | PNC 881298 | <input type="checkbox"/> |

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Front

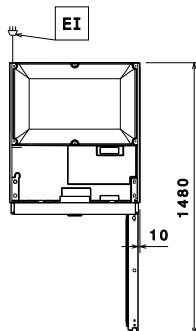


Side



EI = Electrical inlet (power)

Top



Electric

Supply voltage: 220-240 V/1 ph/50 Hz
Electrical power, max: 0.3 kW

Capacity:

Number and type of grids (included): 4 - GN 2/1

Key Information:

Net Volume: 503 lt
Capacity: 670 lt / Bottle .75L Bordeaux
External dimensions, Width: 710 mm
External dimensions, Depth: 835 mm
External dimensions, Depth with Doors Open: 1480 mm
External dimensions, Height: 2050 mm
Number and type of doors: 1 Glass
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: 322 W
Energy Class (EU Reg. 2015/1094): D
Yearly and daily energy consumption (EU Reg. 2015/1094): 945kWh/year - 2.59kWh/24h
Climate class (EU Reg. 2015/1094): Normal duty (cl.4)
Energy Efficiency Index-EEI (EU Reg. 2015/1094): 65,83

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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