ITEM #

MODEL #

NAME #

SIS #

AIA #

# NAU Maxi HP
# 1 Door Digital Refrigerator, 670lt (-2/+10) R290 class B

**110952 (ZRX71FRH)** 1-door refrigerator 670lt, -2+10°C, digital, AISI 304, R290, Class B

## Short Form Specification

**Item No.**

Full door refrigerator entirely constructed in 304 AISI stainless steel with bottom panel in anti-corrosive material. Large digital display featuring humidity selection button (3 preset level), 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. Automatic defrost activates only when required with automatic evaporation of defrost water. Three probes to constantly monitor the working conditions of the appliance. 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. Remote refrigeration unit; ventilated operation. Operating temperature: -2/+10 °C. For ambient temperatures up to 43 °C. CFC and HCFC free. R290 gas in refrigeration circuit. Integrated 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.
- Tropicalized unit (43°C ambient temperature).
- 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.
- Operating temperature can be adjusted from -2 to +10 °C to suit different food storage requirements.
- Automatic evaporation of the defrosting water by hot gas on the top for energy saving.
- Provided with stainless steel A304 grids.
- Cleaning-free condenser: the structure of the wire frame condenser prevents dust and grease accumulation thus avoiding periodical cleaning operations and reducing energy consumption.
- Internal structure with numerous charging positions available to host grids, ensuring higher net capacity and a greater storage space.
- 60 mm-thick insulation covering the evaporator can be easily removed with a single operation.
- 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.
- Fully compliant HACCP digital control: when temperature exceeds critical limits, acoustic and visual alarms are activated. Up to two months of event are kept in memory.
- 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.
- 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).
- Connectivity ready for real time access to connected appliances from remote and data monitoring (requires optional accessory).
- Easy serviceability thanks to the intuitive control panel with remote access via app.
- Integrated RS485 port to facilitate connection to a remote computer and integrated HACCP systems.
- Removable triple-chamber balloon magnetic gasket to improve insulation and reduce energy consumption and ease of cleaning.

## Construction

- Constructed from the highest quality AISI 304 Stainless steel.
- Interior base with rounded corners, pressed from a single sheet.
- The rounded internal corners, the easily removable runners, grids and air conveyors allow for ease of cleaning and high hygiene standards.
- Stainless steel runners and supports easily disassembled.

- Anti-corrosion bottom avoids any damage that may be caused to the cabinet by aggressive detergents employed to clean the floors.
- Easy access to the main components for maintenance.
- Lockable door.
- Door switch stops the fan when door is opened to avoid cold air exiting the cell, thus saving energy.
- CFC and HCFC-free insulation.
- R290 refrigerant to reduce green house and ozone depletion effects.
- The label complies with the delegated regulation (UE) 2015/1094 of the commission of 5th may 2015.

## Included Accessories

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

## Optional Accessories

| | | |
|---|---|---|
| • 2 stainless steel runners for refrigerated cabinets (Marine) | PNC 880242 | ❑ |
| • Spacer for 670 lt and 1430 lt refrigerated cabinets | PNC 880248 | ❑ |
| • Ethernet connector for Refrigerators (CAREL-IR33) | PNC 880252 | ❑ |
| • 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 | ❑ |
| • 2/1GN grey rilsan grid with 2 runners | PNC 881020 | ❑ |
| • Set of 2 stainless steel runners for 670/1430lt refrigerators and freezers | PNC 881021 | ❑ |
| • 2/1GN perforated shelf | PNC 881042 | ❑ |
| • 1/1GN rilsan steel wire basket h=150mm | PNC 881043 | ❑ |
| • KIT HACCP EKIS | PNC 922166 | ❑ |



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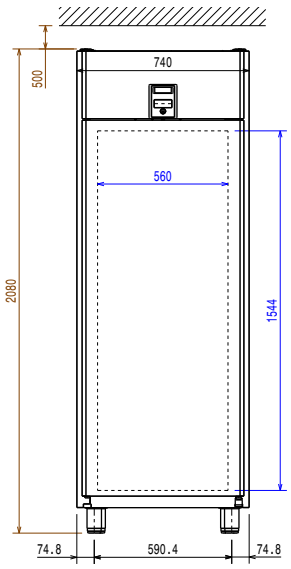
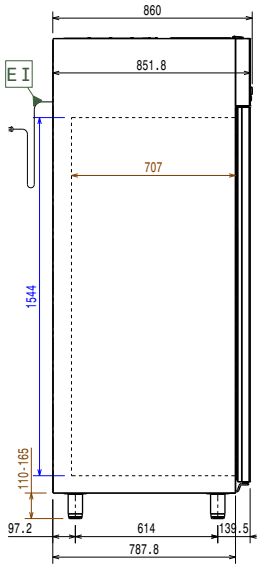
**Front**

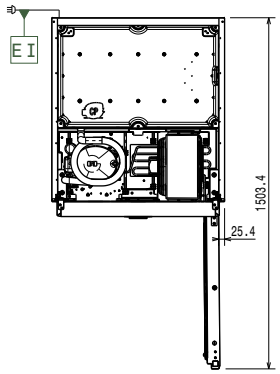



**Side**




**EI** = Electrical inlet (power)

**Top**




## Electric

| | |
|---|---|
| **Supply voltage:** | |
| **110952 (ZRX71FRH)** | 220-240 V/1 ph/50 Hz |
| **Electrical power max.:** | 0.18 kW |

## Key Information:

| | |
|---|---|
| **Gross capacity:** | 670 lt |
| **Capacity:** | 670 lt / Bottle .75L Bordeaux |
| **Door hinges:** | Right Side |
| **External dimensions, Width:** | 740 mm |
| **External dimensions, Depth:** | 860 mm |
| **External dimensions, Depth with Doors Open:** | 1480 mm |
| **External dimensions, Height:** | 2080 mm |
| **Number and type of doors:** | 1 Full |
| **Number and type of grids (included):** | 3 - GN 2/1 |
| **Type of external material:** | 304 AISI |
| **Type of internal material:** | 304 AISI |
| **Internal panels material:** | 304 AISI |
| **Number of positions & pitch:** | 44; 30 mm |

## Refrigeration Data

| | |
|---|---|
| **Control type:** | Digital |
| **Refrigerant type:** | R290 |
| **GWP Index:** | 3 |
| **Refrigeration power:** | 278 W |
| **Refrigeration power at evaporation temperature:** | -10 °C |
| **Refrigerant weight:** | 110 g |
| **Operating mode:** | Ventilated |

## Product Information (EU Regulation 2015/1094)

| | |
|---|---|
| **Energy Class:** | B |
| **Yearly and daily energy consumption:** | 475kWh/year - 1kWh/24h |
| **Climate class:** | Heavy Duty (5) |
| **Energy Efficiency Index (EEI):** | 33,09 |
| **Type of model:** | vertical chilled |

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2023.02.28

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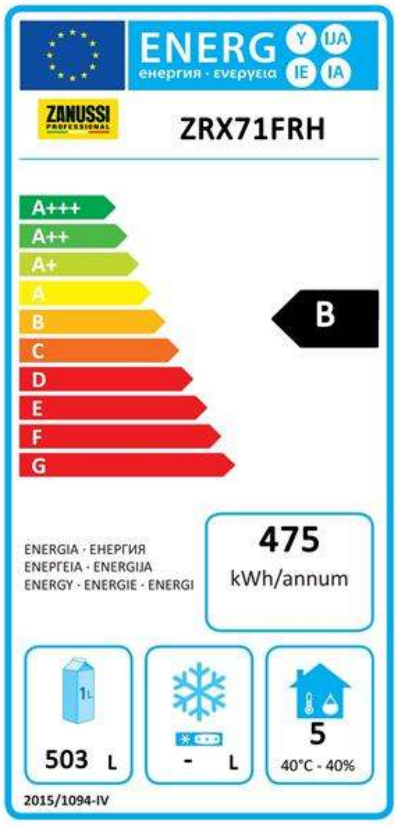


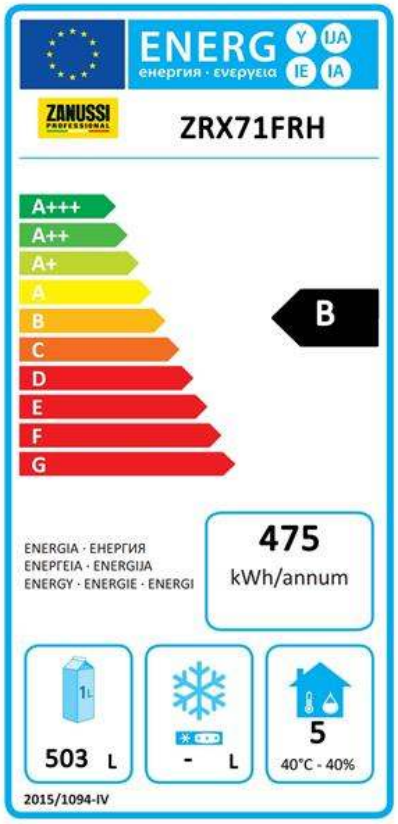


## EU energy labelling from 1st July 2016

*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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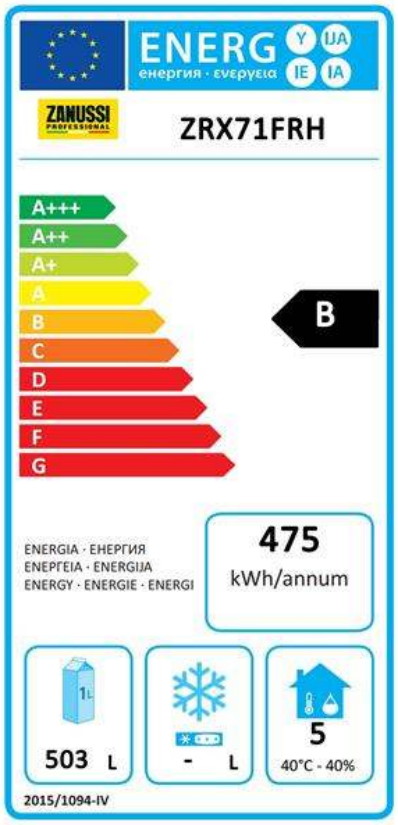


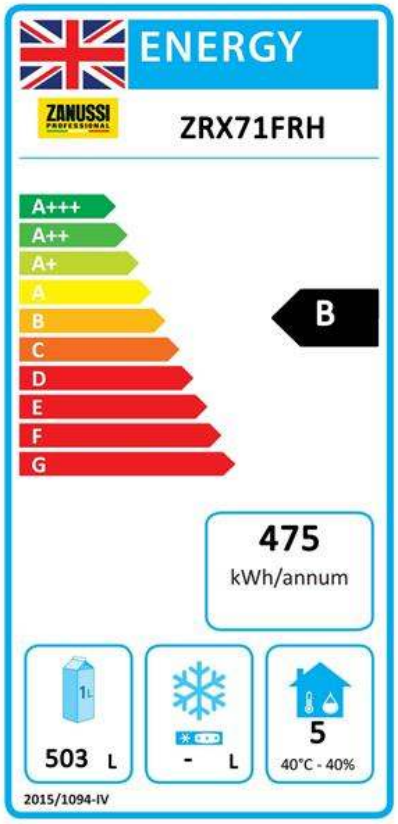


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