

# ALPENINOX

## Crio Smart HP 1 Door Digital Refrigerator, 670lt (-2/+10) - R290 with internal light - Class B

ITEM # \_\_\_\_\_

MODEL # \_\_\_\_\_

NAME # \_\_\_\_\_

SIS # \_\_\_\_\_

AIA # \_\_\_\_\_



729671 (ARX71FRH)

1-door refrigerator  
670lt, -2/+10°C, digital, AISI  
304, with internal light, R290,  
Class B

### Short Form Specification

#### Item No. \_\_\_\_\_

Full door refrigerator with internal and external structure in 304 AISI stainless steel; external back panel in galvanized steel and bottom panel in anti-corrosive material. Digital control with cabinet temperature display and setting and manual activation of defrost cycle. Fully compliant HACCP digital controls include visible alarms. Optimized back to front forced air flow provides 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; automatic defrost and evaporation of defrost water. 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.

### Main Features

- Large storage area suitable to contain 2/1 GN grids or shelves on anti-tilt runners.
- Tropicalized unit (43°C ambient temperature).
- Right hinged full door.
- Equipped with single phase electrical cable and Schuko plug for easy and fast installation.
- Provided with stainless steel A304 grids.
- 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).
- 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).
- Hidden evaporator thus guaranteeing higher storage capacity and less corrosion problems.
- Integrated RS485 port to facilitate connection to a remote computer and integrated HACCP systems.
- 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.
- Connectivity ready for real time access to connected appliances from remote and data monitoring (requires optional accessory).
- Rilsan coated grids for improved protection.
- Optimized back to front forced air flow provide even temperature distribution and fast cooling in any conditions.
- Automatic defrost.
- Easy serviceability thanks to the intuitive control panel with remote access via app.
- Large digital white-digit display with cabinet temperature display and setting, manual activation of defrost cycle and turbo frost cycle (to rapidly cool warm loads).
- Operating temperature can be adjusted from -2 to +10 °C to suit different food storage requirements.

APPROVAL: \_\_\_\_\_

### Construction

- Interior base with rounded corners, pressed from a single sheet.
- Constructed from the highest quality AISI 304 Stainless steel.
- Mounted on adjustable Stainless steel feet, with castors as an option.
- The rounded internal corners, the easily removable runners, grids and air conveyors allow for ease of cleaning and high hygiene standards.
- The label complies with the delegated regulation (UE) 2015/1094 of the commission of 5th may 2015.
- Easy access to the main components for maintenance.
- 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.
- Doors are self-closing and can be fully opened up to 180°.
- Lockable door.
- The rounded internal corners, the easily removable runners and grids allow for ease of cleaning and high hygiene standards.

### Sustainability

- CFC and HCFC-free insulation.
- R290 refrigerant to reduce green house and ozone depletion effects.
- 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.
- Automatic evaporation of the defrosting water by hot gas on the top for energy saving.
- 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.
- 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.
- Cleaning-free condenser: the structure of the wire frame condenser prevents dust and grease accumulation thus avoiding periodical cleaning operations and reducing energy consumption.

### Included Accessories

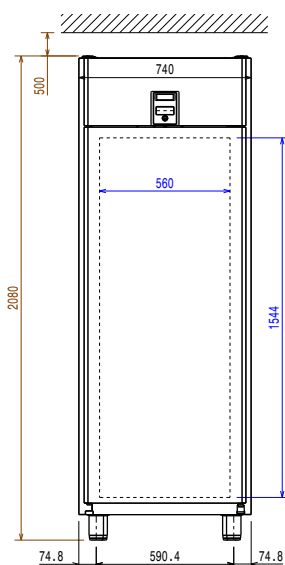
- 3 of 2/1GN gray rilsan grid with 2 runners PNC 881020

### Optional Accessories

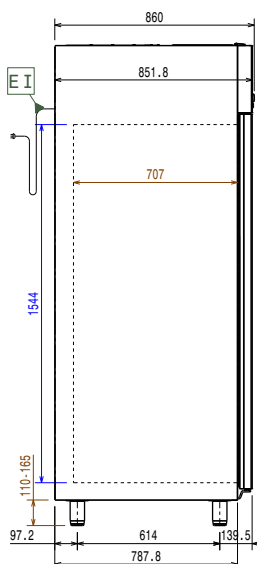
- 2 stainless steel runners for refrigerated cabinets - (Marine) PNC 880242
- Spacer for 670L and 1430L refrigerated cabinets PNC 880248
- Pedal opening for cabinets PNC 880324
- Ethernet connectivity kit IJF for Refrigeration PNC 880685
- Plastic container with false bottom, 1/1GN PNC 880705
- 4 swivelling 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 gray rilsan grid PNC 881004
- AISI 304 stainless steel grid, 2/1GN PNC 881016
- AISI 304 stainless steel grid with 2 runners, 2/1GN PNC 881018
- Meat rail for 670/1430L refrigerators with 4 hooks PNC 881019

- 2/1GN gray rilsan grid with 2 runners PNC 881020
- Set of 2 stainless steel runners for 670/1430L refrigerators and freezers PNC 881021
- 2/1GN perforated shelf PNC 881042
- 1/1GN rilsan steel wire basket h150mm PNC 881043

**Front**

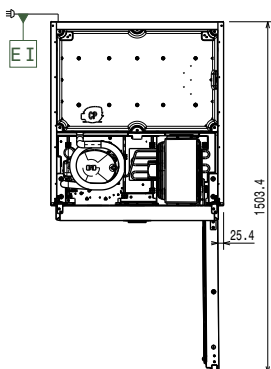


**Side**



EI = Electrical inlet (power)

**Top**



### Electric

Supply voltage:	220-240 V/1 ph/50 Hz
729671 (ARX71FRH)	
Electrical power max.:	0.25 kW

### Key Information:

Gross capacity:	670 lt
Net Volume:	503 lt
N° of doors:	1
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 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
Compressor power:	1/5 hp
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

Energy Class (EU Reg. 2015/1094):	B
Yearly and daily energy consumption (EU Reg. 2015/1094):	475kWh/year - 1kWh/24h
Climate class (EU Reg. 2015/1094):	Heavy Duty (5)
Energy Efficiency Index-EEI (EU Reg. 2015/1094):	33.09
GWP Index:	3
Refrigeration power:	278 W
Refrigerant weight:	110 g

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

## 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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