

## Blast Chiller Freezers Crosswise

### Blast Chiller-Freezer Crosswise - 40kg 10GN 1/1 (R290)

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

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

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

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

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



725522 (ECBCFA040SE)

Blast Chiller & Freezer Crosswise 40kg, compatible with 10x1/1GN Convection Oven Crosswise - R290

### Short Form Specification

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

Blast chiller/freezer with digital temperature and time display. For 10 GN 1/1 or 600x400 mm trays (h = 65 mm). Load capacity: chilling 40 kg; freezing 25 kg. Automatic detection of food probe insertion. Automatic and Manual defrost. Blast chilling real remaining time estimation (A.R.T.E.). Turbo cooling function. Thawing function. HACCP and Service alarms with data logging. Connectivity ready (optional): enables real time access to the appliance, possibility to monitor information, such as status, statistics, HACCP data, and receive service alerts. Operating air temperature: +10/-36°C. Single sensor food probe. Main components in 304 AISI stainless steel. Internal rounded corners and drain. Evaporator with antirust protection. Performances guaranteed at ambient temperature of +40°C. Cyclopentane insulation (HCFC, CFC and HFC free). R290 refrigerant gas (HCFC and CFC free). Built-in refrigeration unit.

### Main Features

- Blast Chilling cycle: 40 kg from 90°C up to 3°C.
- Freezing cycle: 25 kg from 90°C up to -36°C.
- Holding at +3 °C for chilling or -20 °C for freezing, automatically activated at the end of each cycle, to save energy and maintain the target temperature (manual activation is also possible).
- Chilling cycle with automatic preset cycles:
  - Soft Chilling, ideal for delicate food and small portions.
  - Hard Chilling, ideal for solid food and whole pieces.
- Freezing cycle with automatic preset cycles, ideal for all kind of food (raw, half or fully cooked).
- Turbo cooling: chiller works continuously at the desired temperature; ideal for continuous production.
- Thawing cycle, ideal for defrosting food in a controlled and safe environment.
- Multi-purpose internal structure suitable for gastronorm, bakery trays or ice-cream basins.
- Possibility to modify the cavity temperature in turbo cooling and thawing cycles.
- Remaining time estimation for probe-driven cycles based on artificial intelligence techniques (ARTE) for an easier planning of the activities.
- Single sensor core probe as standard.
- On-board HACCP monitoring capable.
- Performance guaranteed at ambient temperatures of +40°C (Climatic class 5).
- Automatic and manual defrosting.
- 3-point core probe available on request (optional).

### Construction

- IP21 protection index.
- No water connections required.
- Ventilator swinging hinged panel for access to the evaporator for cleaning.
- Waste water can be plumbed into drain, but can also be collected in an optional waste container.
- Built-in refrigeration unit.
- Main components in 304 AISI stainless steel.
- Evaporator with antirust protection.
- Automatic heated door frame.
- Door reversible on site.
- Door stopper to keep the door open in order to avoid the formation of bad smells (kit available to be mounted on site, depending on preferred door hinge).

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

### User Interface & Data Management

- Control unit provides two large displays to read out: time, core temperature, cycle countdown, alarms, service information.
- Connectivity ready for real time access to connected appliances from remote and HACCP monitoring (requires optional accessory).

### Sustainability



- High density polyurethane insulation, 60 mm thickness, HCFC free.

### Included Accessories

- 1 of 1 single-sensor probe for blast chiller/freezers PNC 880213

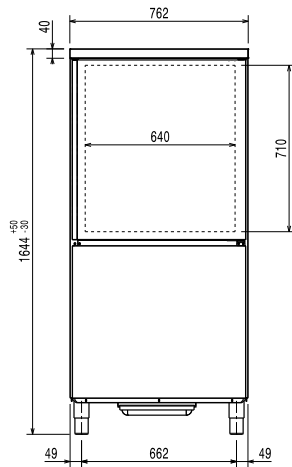
### Optional Accessories

- |   |            |                          |
|---|------------|--------------------------|
| • 1 single-sensor probe for blast chiller/freezers                        | PNC 880213 | <input type="checkbox"/> |
| • 4 wheels for blast chiller freezer                                      | PNC 881284 | <input type="checkbox"/> |
| • Roll-in rack support for 40 kg blast chiller/freezers GN 1/1            | PNC 881518 | <input type="checkbox"/> |
| • Pair of AISI 304 stainless steel grids, GN 1/1                          | PNC 921101 | <input type="checkbox"/> |
| • Pair of AISI 304 stainless steel grids, GN 1/1                          | PNC 922017 | <input type="checkbox"/> |
| • AISI 304 stainless steel grid, GN 1/1                                   | PNC 922062 | <input type="checkbox"/> |
| • 80mm pitch side hangers 10x1/1GN electric oven                          | PNC 922115 | <input type="checkbox"/> |
| • 80mm pitch side hangers 10x1/1GN gas oven                               | PNC 922116 | <input type="checkbox"/> |
| • 60mm pitch side hangers 10x1/1GN electric oven (included with the oven) | PNC 922121 | <input type="checkbox"/> |
| • 60mm pitch side hangers 10x1/1GN gas oven (included with the oven)      | PNC 922122 | <input type="checkbox"/> |
| • Trolley for 10x1/1GN and 10x2/1GN roll-in rack                          | PNC 922128 | <input type="checkbox"/> |
| • Trolley for 10x1/1GN roll-in rack                                       | PNC 922130 | <input type="checkbox"/> |
| • Kit to convert to 10x1/1GN roll-in rack                                 | PNC 922201 | <input type="checkbox"/> |
| • AISI 304 stainless steel bakery/pastry grid 400x600mm                   | PNC 922264 | <input type="checkbox"/> |
| • IoT module for blast chiller/freezers crosswise                         | PNC 922419 | <input type="checkbox"/> |
| • POE switch  | PNC 922432 | <input type="checkbox"/> |
| • Connectivity router (WiFi and LAN)                                      | PNC 922435 | <input type="checkbox"/> |

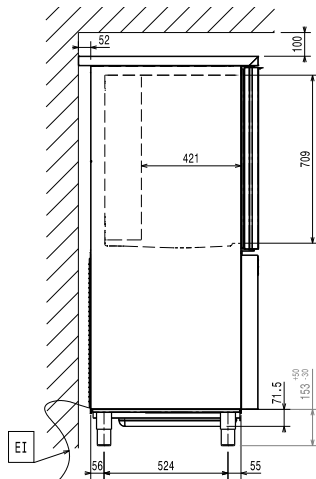
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Front

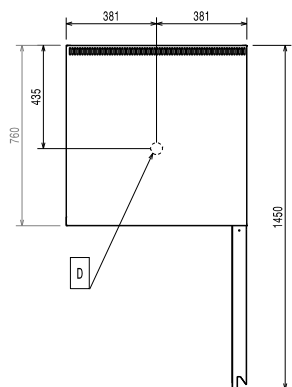


Side



EI = Electrical inlet (power)

Top



#### Electric

Supply voltage: 380-415 V/3N ph/50 Hz  
 Electrical power, max: 3.4 kW

#### Installation:

Clearance: 5 cm on sides and back.  
 Please see and follow detailed installation instructions provided with the unit

#### Capacity:

Number and type of grids: 10 (GN 1/1; 600x400)  
 Number and type of basins: 10 (360x250x80h)

#### Key Information:

External dimensions, Width: 762 mm  
 External dimensions, Depth: 760 mm  
 External dimensions, Height: 1644 mm  
 Net weight: 140 kg  
 Shipping weight: 157 kg  
 Shipping volume: 1.3 m³

#### Refrigeration Data

Refrigeration power at evaporation temperature: -10 °C  
 Operating temperature min.: -36 °C  
 Operating temperature max.: 90 °C  
 Condenser cooling type: AIR

#### Product Information (EN17032 - Commission Regulation EU 2015/1095)

Test performed in a test room at 30°C to chill/ freeze (+10°C/-18°C) a full load of 40mm deep trays filled with mashed potatoes evenly distributed up to a height of 35 mm at starting temperature between 65° and 80°C within 120/270min.

Chilling Cycle Time (+65°C to +10°C): 84 min  
 Full load capacity (chilling): 40 kg  
 Freezing Cycle Time (+65°C to -18°C): 236 min  
 Full load capacity (freezing): 25 kg

#### ISO Certificates

ISO Standards: ISO 9001; ISO 14001; ISO 45001; ISO 50001

#### Sustainability

Refrigerant type: R290  
 GWP Index: 3  
 Refrigeration power: 4837 W  
 Refrigerant weight: 140 g  
 Energy consumption, cycle (chilling): 0.0737 kWh/kg  
 Energy consumption, cycle (freezing): 0.2553 kWh/kg