Electrolux

SkyLine ChillS
Blast Chiller-Freezer 10GN2/1
100/70 kg with UV lamp

727876 (EBFA12URE)

Skyline ChillS blast chiller freezer 100/70kg, 10 GN 2/1 or 600x400mm (29 levels pitch 30mm) with touch screen control and UV lamp

Short Form Specification

Item No.

- Blast chiller freezer with high resolution full touch screen interface, multilanguage
- For 10 GN 2/1 or 600x400 mm trays. Up to 36 ice cream basins of 5 kg (165x360x125h mm)
- Load capacity: chilling 100 kg; freezing 70 kg
- OptiFlow air distribution system to achieve maximum performance with 7 fan speed levels
- Chilling/Freezing modes: Automatic (10 food families with 100+ different pre-installed variants); Programs (a maximum 1000 programs can be stored and organized in 16 different categories); Manual (soft chilling, hard chilling, freezing, holding, turbo cooling and lite hot cycles); Specialistic Cycles (Cruise chilling, proving, retarded proving, fast thawing, Sushi&Sashimi, Sous-Vide chilling, ice-cream, yogurt and chocolate)
- Special functions: MultiTimer chilling/freezing, Make-it-Mine to customize interface, SkyHub to customize homepage, agenda MyPlanner, SkyDuo connection to SkyLine ovens
- Remaining time estimation for probe-driven cycles based on artificial intelligence techniques (ARTE 2.0)
- Automatic and manual defrosting and drying
- UV lamp for sterilizing cycle
- USB port to download HACCP data, programs and settings. Connectivity ready
- 3-point multi sensor core temperature probe
- Stainless steel construction throughout
- Internal rounded corners
- Built-in refrigeration unit
- R452a refrigerant gas
- Performance guaranteed at ambient temperatures of +43°C (Climatic class 5).

APPROVAL:

Main Features

- High resolution full touch screen interface (translated in more than 30 languages) - color-blind friendly panel.
- Blast Chilling cycle: 100 kg from +90°C up to + 3°C in less than 90 minutes.
- Blast Freezing cycle: 70 kg from 90°C up to -18°C in less than four hours.
- Chilling cycle (+10°C to -41°C) with automatic preset cycles:
  - Soft chilling (air temperature 0°C), ideal for delicate food and small portions.
  - Hard chilling (air temperature -20°C), ideal for solid food and whole pieces.
- X-Freeze cycle (+10°C to -41°C): ideal for blast freezing all kinds of food (raw, half or fully cooked).
- Lite-Hot cycle (+40°C to -18°C): ideal for soft heating preparations.
- Holding at +3 °C for chilling or -22 °C for freezing, automatically activated at the end of each cycle, to save energy and maintain the target temperature (manual activation is also possible).
- Turbo cooling: chiller works continuously at the desired temperature; ideal for continuous production.
- Automatic mode including 10 food families (meat, poultry, fish, sauces and soup, vegetables, pasta/rice, bread, savory and sweet bakery, dessert, beverage fast cooling) with 100+ different pre-installed variants. Through Automatic Sensing Phase the blast chiller optimizes the chilling process according to size, quantity and type of food loaded to achieve the selected result. Real time overview of the chilling parameters. Possibility to personalize and save up to 70 variants per family.
- Cycles+:
  - Cruise Cycle (Patented EP1716769B1 and related family) automatically sets the parameters for the quickest and best chilling (it works with probe)
  - Proving
  - Retarded Proving
  - Fast Thawing
  - Sushi&Sashimi (anisakis-free food)
  - Chill Sous-vide
  - Ice Cream
  - Yogurt
  - Chocolate
- Programs mode: a maximum of 1000 programs can be stored in the blast chiller's memory, to recreate the exact same high standard at any time. The programs can be grouped in 16 different categories to better organize the menu. 16-step chilling programs also available.
- MultiTimer function to manage up to 20 different chilling cycles at the same time, improving flexibility and ensuring excellent results. Can be saved up to 200 MultiTimer programs.
- OptiFlow air distribution system to achieve maximum performance in chilling/heating eveness and temperature control thanks to a special design of the chamber combined with high precision variable speed fan.
- Fan with 7 speed levels. Fan stops in less than 5

seconds when door is opened.

- 3-point multi sensor core temperature probe for maximum precision and food safety.
- 6-point multi sensor core temperature probe for maximum precision and food safety (optional accessory).
- Pictures upload for full customization of cycles.
- Remaining time estimation for probe-driven cycles based on artificial intelligence techniques (ARTE 2.0 Patented US7971450B2 and related family) for an easier planning of the activities.
- Customizable pre-cooling and pre-heating functions.
- Automatic and manual defrosting, drying and sterilizing cycle with UV lamps.
- Make-it-mine feature to allow full personalization or locking of the user interface.
- SkyHub lets the user group the favorite functions in the homepage for immediate access.
- MyPlanner works as an agenda where the user can plan the daily work and receive personalized alerts for each task.
- With SkyDuo the Oven and the Blast Chiller are connected to each other and communicate in order to guide the user through the cook&chill process optimizing time and efficiency (SkyDuo Kit available as optional accessory).
- USB port to download HACCP data, share chilling programs and configurations.
- Connectivity ready for real time access to connected appliances from remote and HACCP monitoring (requires optional accessory).
- Trainings and guidances supporting materials easily accessible by scanning QR-Code with any mobile device.
- Automatic consumption visualization at the end of the cycle.
- Multi-purpose internal structure is suitable for 10 grids GN 2/1 (29 positions available with 30 mm pitch) 10 grids or trays 600 x 400 mm (29 positions availabe with 30 mm pitch) or 36 ice-cream basins of 5 kg each (h 125 x 165 x 360).
- Performance guaranteed at ambient temperatures of +43°C (Climatic class 5).

Construction

- Human centered design with 4-star certification for ergonomics and usability.
- Built-in refrigeration unit.
- Environmentally friendly: R452a as refrigerant gas.
- Solenoid valve to automatically manage the gas pressure in the thermodynamic circuit.
- Main components in 304 AISI stainless steel.
- Evaporator with antirust protection.
- Motors and fan waterproof protected IP54.
- Seamless hygienic internal chamber with all rounded corners for easy cleaning.
- Removable magnetic gasket door with hygienic design.
- Ventilator swinging hinged panel for access to the evaporator for cleaning.
- Door stopper to keep the door open in order to avoid the formation of bad smells.
- Automatic heated door frame.
- No water connections required.
  Waste water can be plumbed into drain, but can also be collected in an optional waste container.

Included Accessories

• 1 of 3-sensor probe for blast chiller freezer	PNC 880582

Optional Accessories

• Bakery/pastry grid for blast chiller, lengthwise (600x400mm)	PNC 880294 ❏
• Slide-in rack support for 10 GN 2/1 blast chiller freezer	PNC 880563 ❏
• 6-sensor probe for blast chiller freezer	PNC 880566 ❏
• Kit of 3 single sensor probes for blast chiller/freezers	PNC 880567 ❏
• 6 wheels for 10 GN 2/1 blast chiller freezer	PNC 880579 ❏
• 3-sensor probe for blast chiller freezer	PNC 880582 ❏
• 5 stainless steel runners for 10 GN 2/1 blast chiller freezer	PNC 880588 ❏
• Flanged feet for blast chiller freezer	PNC 880589 ❏
• Pair of AISI 304 stainless steel grids, GN 1/1	PNC 922017 ❏
• Pair of grids for whole chicken (8 per grid - 1,2kg each), GN 1/1	PNC 922036 ❏
• AISI 304 stainless steel grid, GN 1/1	PNC 922062 ❏
• Pair of AISI 304 stainless steel grids, GN 2/1	PNC 922175 ❏
• Baking tray for 5 baguettes in perforated aluminum with silicon coating, 400x600x38mm	PNC 922189 ❏
• Baking tray with 4 edges in perforated aluminum, 400x600x20mm	PNC 922190 ❏
• Baking tray with 4 edges in aluminum, 400x600x20mm	PNC 922191 ❏
• Pair of frying baskets	PNC 922239 ❏
• AISI 304 stainless steel bakery/pastry grid 400x600mm	PNC 922264 ❏
• Grid for whole chicken (8 per grid - 1,2kg each), GN 1/1	PNC 922266 ❏
• Kit universal skewer rack and 4 long skewers for Lenghtwise ovens	PNC 922324 ❏
• Kit universal skewer rack and 6 short skewers for Lengthwise and Crosswise ovens	PNC 922325 ❏
• Universal skewer rack	PNC 922326 ❏
• 6 short skewers	PNC 922328 ❏
• Multipurpose hook	PNC 922348 ❏
• Grid for whole duck (8 per grid - 1,8kg each), GN 1/1	PNC 922362 ❏
• Tray rack with wheels, 10 GN 2/1, 65mm pitch	PNC 922603 ❏
• Tray rack with wheels 8 GN 2/1, 80mm pitch	PNC 922604 ❏
• Bakery/pastry tray rack with wheels 400x600mm for 10 GN 2/1 oven and blast chiller freezer, 80mm pitch (8 runners)	PNC 922609 ❏
• Trolley for slide-in rack for 6 & 10 GN 2/1 oven and blast chiller freezer	PNC 922627 ❏
• Banquet rack with wheels holding 51 plates for 10 GN 2/1 oven and blast chiller freezer, 75mm pitch	PNC 922650 ❏
• Dehydration tray, GN 1/1, H=20mm	PNC 922651 ❏
• Flat dehydration tray, GN 1/1	PNC 922652 ❏
• Connectivity hub (router)	PNC 922697 ❏
• Probe holder for liquids	PNC 922714 ❏
• Non-stick universal pan, GN 1/1, H=20mm	PNC 925000 ❏
• Non-stick universal pan, GN 1/ 1, H=40mm	PNC 925001 ❏

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- Non-stick universal pan, GN 1/1, H=60mm — PNC 925002 ❏
- Double-face griddle, one side ribbed and one side smooth, GN 1/1 — PNC 925003 ❏
- Aluminum grill, GN 1/1 — PNC 925004 ❏
- Frying pan for 8 eggs, pancakes, hamburgers, GN 1/1 — PNC 925005 ❏
- Flat baking tray with 2 edges, GN 1/1 — PNC 925006 ❏
- Baking tray for 4 baguettes, GN 1/1 — PNC 925007 ❏
- Potato baker for 28 potatoes, GN 1/1 — PNC 925008 ❏
- Kit of 6 non-stick universal pans, GN 1/1, H=20mm — PNC 925012 ❏
- Kit of 6 non-stick universal pans, GN 1/1, H=40mm — PNC 925013 ❏
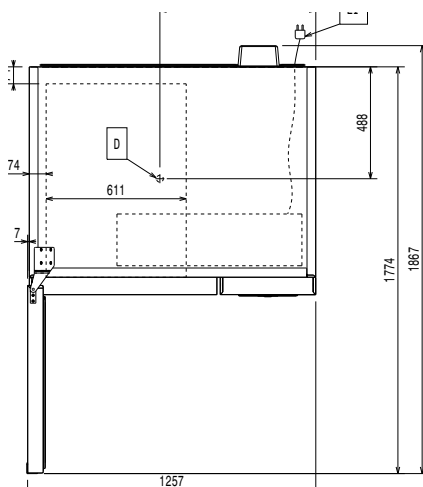- Kit of 6 non-stick universal pan GN 1/1, H=60mm — PNC 925014 ❏

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Front
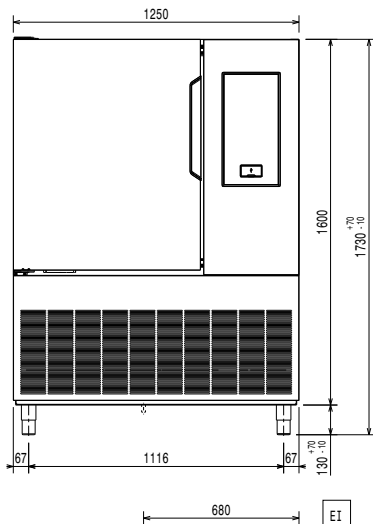
Side
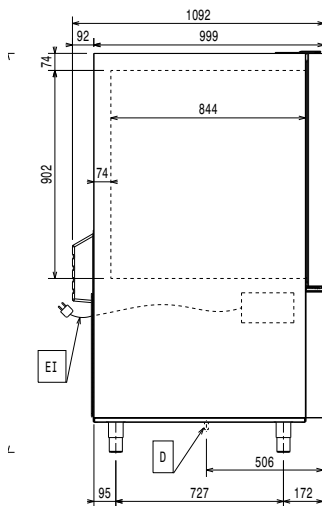
D = Drain
EI = Electrical inlet (power)
RO = Refrigerant Outlet

Top

Electric

Supply voltage:
  727876 (EBFA12URE)   380-415 V/3N ph/50 Hz
Electrical power max.:   5.5 kW
Heating power: 1.9 kW
Circuit breaker required

Water:

Drain line size: 1"1/2

Installation:

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

Capacity:

Max load capacity: 100 kg
Trays type: 600x400;600x800;GN 2/1;Ice Cream

Key Information:

Door hinges:
External dimensions, Width: 1250 mm
External dimensions, Height: 1730 mm
External dimensions, Depth: 1092 mm
Net weight: 320 kg
Shipping weight: 350 kg
Shipping volume: 2.92 m³

Refrigeration Data

Built-in Compressor and Refrigeration Unit
Refrigerant type: R452A
Refrigeration power: 6790 W
Refrigeration power at evaporation temperature: -20 °C
Refrigerant weight: 3000 g

Product Information (Commission Regulation EU 2015/1095)

Energy consumption, cycle (chilling):   0.0708 kWh/kg
Chilling Cycle Time (+65°C to +10°C):   95 min
Full load capacity (chilling):   100 kg
Energy consumption, cycle (freezing):   0.2016 kWh/kg
Freezing Cycle Time (+65°C to -18°C):   247 min
Full load capacity (freezing):   60 kg

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.

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