

Roll-in rack Tunnel Blast Freezers Mod. BURAN



GENERAL CHARACTERISTICS:

- Working temperature : down to -38°C
- Structure : completely dismantlable with modular self-bearing sandwich panels, isolated with injected rigid high density (Kg/m^3 43) expanded polyurethane of mm.100 thickness.
- Pressure foamed corners with a radius of 15 mm which form a hygienic seal on the inside that is easy to clean, in conformity with European regulations.
- Internal stainless steel bumpers and air convection system.
- Internal panel coating : AISI 304 stainless steel
- External panel coating : Pre-painted galvanized steel sheet
- Equalizing Valve
- Doors : hinged, mounted directly on a suitably reinforced panel. Characteristic :
 - One-latch heavy duty lock with key and safety release
 - Stainless steel frame
 - Equipped with silicon gaskets
 - Industrial adjustable hinges
 - Anti-condensation heating cable
 - Heavy duty stainless steel entry ramps



240kg max



- **Floor** : 100mm isolated panel Reinforced with a 10mm ST Phenolic Stratified laminate with orange peel surface finish, R10 anti-slip.

Capacities:

Evenly distributed static load 4500 Kg/m^2 ; Concentrated load: $800 \text{ Kg}/50\text{cm}^2$;
Maximum dynamic load on 1 rubber wheel with a minimum contact surface of 3 cm^2
240 Kg.

- Aluminium and copper **air-evaporators** of our design with high efficiency ventilation system 8-10mm. fin spacing (less possibility of ice formation)
Ventilator speed : 1400 rotations/min; 3-4 ventilators Ebm/Ziehl
Proportionalised thermostatic valve.
Defrosting by means of hot gas

Coil - Housing

The coil, made of aluminium fins and copper tube.
This model has 350 mm fan diameter with 10mm fin spacing.
The coils are tested with nitrogen at a pressure of 25 bar.
The housing is made of aluminium and stainless steel

Fan motors

The fan motor models in use have the following features:

- with internal thermal protection
- power supply 230-240V/1/50-60Hz
- IP54 protection rate
- electrics made in conformity with 73/23 CEE Low Tension directive





- **TROPICALIZED CONDENSING UNIT** without housing, composed of :
 - **BITZER** Semi-hermetic compressor supplied with shut off valves and crankcase heater
 - **Single stage compressor when operating with gas R404a**
 - **Two stage compressor when operating with gas R448a or R449a**
 - Power : 400/50hz/3ph with Built-in Electrical Panel
 - Modular screwed frame galvanized and painted with epoxy-powder. Equipped with height- adjustable shock absorbing feet.
 - Built-in air-cooled tropicalized condenser equipped with four pole fan motors
 - Liquid receiver
 - Liquid separator
 - Suction filter
 - Flare connected drier filter
 - Sight-glass
 - High pressure switch with fixed setting and automatic reset
 - Solenoid valve on the liquid line
 - Nitrogen-pressurised condensing unit
 - Double safety pressure switch
 - Fan capacity pressure switch
 - Check Valve
 - PED category 2

PROFESIONAL SYSTEM FASTCOLD: Professional LCD system for the control of quick deep-freezing and consequent preservation by means of electronic device, which enables the following applications :

- Blast chilling down to +3°C (core temperature) with core pin-probe
- Shock freezing down to -18°C (core temperature) with core pin-probe
- Lowering cycle with programmable duration/temperature
- Alarm function with acoustic signal in case of problems
- Manual and automatic defrosting cycles
- HACCP
- USB recorder (optional)



- Maximum **rack** height mm. 1980

Racks cm. 46x62
Trays cm. 60x40

Racks cm. 56x72
Trays cm. 50x70

Racks cm. 66x82
Trays cm. 60x80

Racks cm. 66x102
Trays cm. 60x100

Racks cm. 86x102
Trays cm. 80x100

BURAN 168
BURAN 268
BURAN 368
BURAN 468

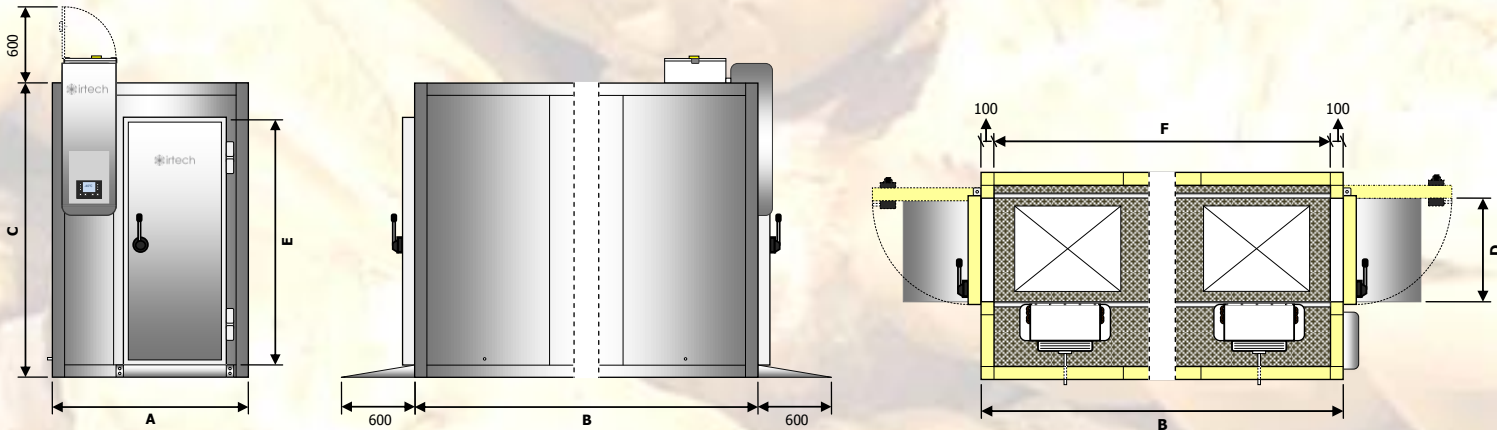
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Code	Model	External Dimensions			Internal Useful Dimensions			Door		Productivity +60°C → -18°C Kg /90min.	Electric	HFC Gas
		cm. A	cm. B	cm. C	cm. D	cm. F	cm. E	cm. D	cm. E			
18 BRN L168	BURAN L168 1 rack 60x80	163	123	243h	78	98	196h	80x200h (1)		90*	400/50/3ph kW 11 (Hp 6)	R404a
18 BRN M168	BURAN M168 1 rack 60x80	163	123	243h	78	98	196h	80x200h (1)		120*	400/50/3ph kW 15 (Hp 9) kW 9 (Hp 5)	R404a R448a
18 BRN H168	BURAN H168 1 rack 60x80	163	123	243h	78	98	196h	80x200h (1)		150*	400/50/3ph kW 16 (Hp 12) kW 9 (Hp 8)	R404a R448a
18 BRN L268	BURAN L268 2 racks 60x80	163	203	243h	78	180	196h	80x200h (2)		150*	400/50/3ph kW 16 (Hp 12) kW 9 (Hp 8)	R404a R448a
18 BRN M268	BURAN M268 2 racks 60x80	163	203	243h	78	180	196h	80x200h (2)		225*	400/50/3ph kW 24 (Hp 18) kW 16 (Hp 12)	R404a R448a
18 BRN H268	BURAN H268 2 racks 60x80	163	203	243h	78	180	196h	80x200h (2)		300*	400/50/3ph kW 29 (Hp 23) kW 21 (Hp 16)	R404a R448a
18 BRN L368	BURAN L368 3 racks 60x80	163	303	238h	78	280	196h	80x200h (2)		300*	400/50/3ph kW 29 (Hp 23) kW 21 (Hp 16)	R404a R448a
18 BRN M368	BURAN M368 3 racks 60x80	163	303	238h	78	280	196h	80x200h (2)		375*	400/50/3ph kW 35 (Hp 28) kW 24 (Hp 20)	R404a R448a
18 BRN H368	BURAN H368 3 racks 60x80	163	303	238h	78	280	196h	80x200h (2)		450*	400/50/3ph kW 42 (Hp 34) kW 27 (Hp 25)	R404a R448a
18 BRN L468	BURAN L468 4 racks 60x80	163	383	238h	78	360	196h	80x200h (2)		450*	400/50/3ph kW 42 (Hp 34) kW 27 (Hp 25)	R404a R448a
18 BRN M468	BURAN M468 4 racks 60x80	163	383	238h	78	360	196h	80x200h (2)		600*	400/50/3ph kW 48 (Hp 44) kW 33 (Hp 30)	R404a R448a

* Capacity calculated on the basis of a 90 minutes freezing cycle of par-baked baguettes gr. 100-600

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Trays cm. 50x70

Racks cm. 66x82
Trays cm. 60x80

Racks cm. 66x102
Trays cm. 60x100

Racks cm. 86x102
Trays cm. 80x100

BURAN 1810
BURAN 2810
BURAN 3810
BURAN 4810

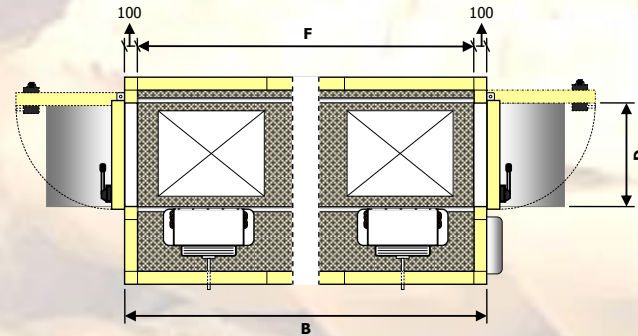
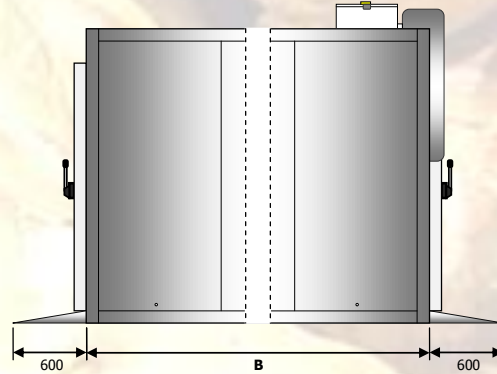
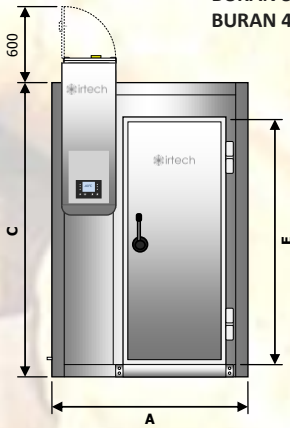
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		cm. A	cm. B	cm. C	cm. D	cm. F	cm. E	cm. D	cm. E			
18 BRN L1810	BURAN L1810 1 rack 80x100	183	143	243h	93	118	196h	95x200h	(1)	90*	400/50/3ph kW 11 (Hp 6)	R404a
18 BRN M1810	BURAN M1810 1 rack 80x100	183	143	243h	93	118	196h	95x200h	(1)	120*	400/50/3ph kW 15 (Hp 9) kW 9 (Hp 5)	R404a R448a
18 BRN H1810	BURAN H1810 1 rack 80x100	183	143	243h	93	118	196h	95x200h	(1)	150*	400/50/3ph kW 16 (Hp 12) kW 9 (Hp 8)	R404a R448a
18 BRN L2810	BURAN L2810 2 racks 80x100	183	243	243h	93	220	196h	95x200h	(2)	150*	400/50/3ph kW 16 (Hp 12) kW 9 (Hp 8)	R404a R448a
18 BRN M2810	BURAN M2810 2 racks 80x100	183	243	243h	93	220	196h	95x200h	(2)	225*	400/50/3ph kW 24 (Hp 18) kW 16 (Hp 12)	R404a R448a
18 BRN H2810	BURAN H2810 2 racks 80x100	183	243	243h	93	220	196h	95x200h	(2)	300*	400/50/3ph kW 29 (Hp 23) kW 21 (Hp 16)	R404a R448a
18 BRN L3810	BURAN L3810 3 racks 80x100	183	343	243h	93	320	196h	95x200h	(2)	300*	400/50/3ph kW 29 (Hp 23) kW 21 (Hp 16)	R404a R448a
18 BRN M3810	BURAN M3810 3 racks 80x100	183	343	243h	93	320	196h	95x200h	(2)	375*	400/50/3ph kW 35 (Hp 28) kW 24 (Hp 20)	R404a R448a
18 BRN H3810	BURAN H3810 3 racks 80x100	183	343	243h	93	320	196h	95x200h	(2)	450*	400/50/3ph kW 42 (Hp 34) kW 27 (Hp 25)	R404a R448a
18 BRN L4810	BURAN L4810 4 racks 80x100	183	443	243h	93	420	196h	95x200h	(2)	450*	400/50/3ph kW 42 (Hp 34) kW 27 (Hp 25)	R404a R448a
18 BRN M4810	BURAN M4810 4 racks 80x100	183	443	243h	93	420	196h	95x200h	(2)	600*	400/50/3ph kW 48 (Hp 44) kW 33 (Hp 30)	R404a R448a

* Capacity calculated on the basis of a 90 minutes freezing cycle of par-baked baguettes gr. 100-600