



**PBI** PROCESS BURN IN SOLUTION

PBI30C1

PBI30C2

PBI24C2

PBI24C1

**EBI** R&D BURN IN EQUIPMENT

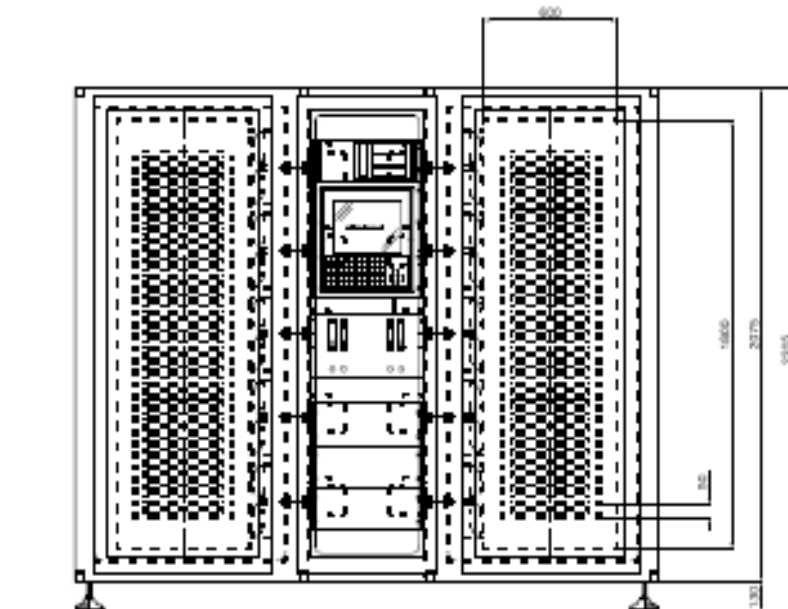
EBI12C1

EBI12C2

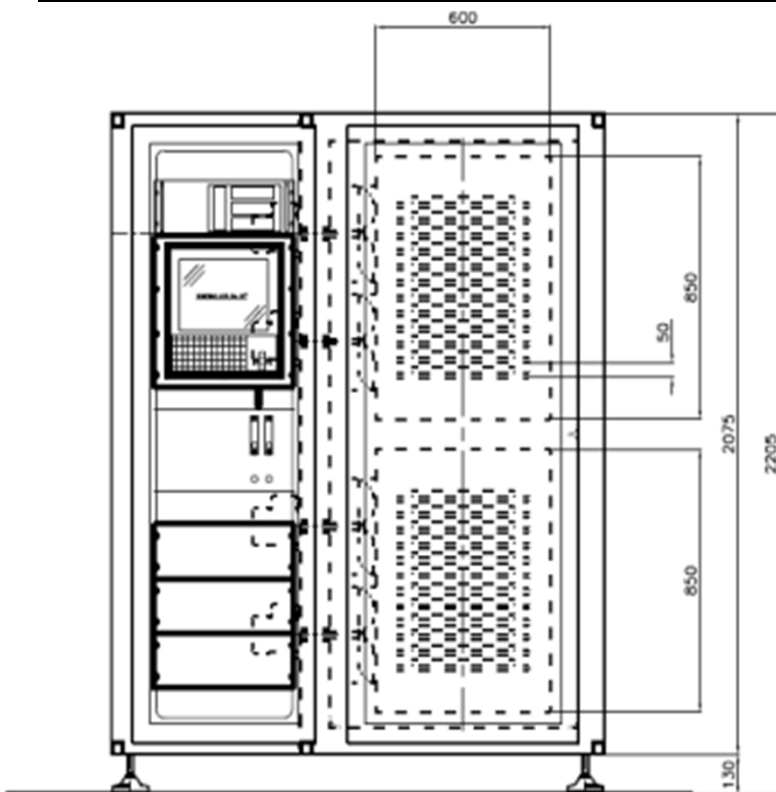
EBI05C4

EBI05C2

Description	Model	PBI30C2	PBI24C2	PBI30C1	PBI24C1
	Code	BO302CF	BO242CF	BO301CF	BO241CF
	Unit	Data			
External dimensions (w×h×d)	[mm]	2650 × 2205 × 1600		1700 × 2205 × 1600	
Internal dimensions (l×h×p)	[mm]	600 × 1800 × 700			
Volume for cabinet	[lt]	700			
Cabinet per system	[n°]	2		1	
Loading capacity per cabinet	[BIB HD]	30	24	30	24
Full load capacity per system	[BIB HD]	60	48	30	24
Temperature range	[°C]	-40 / 20 ÷ 180			
Temperature constancy in the time	[°C]	±0.5			
Temperature uniformity	[°K]	±1.5			
Temperature change rate (heating)	[°C/min]	6			
Temperature change rate (cooling)	[°C/min]	5			
Execution of internal cabinet	Hermetic welding for control atm				
Inside cabinet material	AISI	304			
Insulation double thickness	Rockwool and Glasswool HD				
Power supply	[V]	400/3/50 N+T			
Fans per cabinet	N°	10	8	10	8
Heating power per each cabinet	[KW]	20.0	16.0	20.0	16.0
Max power for each cabinet	[KW]	23.3	19.3	23.3	19.3
Max current for each cabinet	[A]	35,30	29.24	35,30	29.24
Cooling water consumption at 20°C±2	m <sup>3</sup> /h	3.0		1.5	
Inlet N2 or Dry air at 2bar	Lt/min	0÷40 (per cabinet)			
Dehumidification		Yes			
Max noisy at 1 m	[dB]	<65			
Installation room (climatic conditions)	°C - UR%	10 ÷ 32°C – 0 ÷ 75%			
Refrigerant Ecological	HFC	R404			
Colour	RAL	7035			
Max Weight	Kg	4780	4700	2800	2800



Description	Model	EBI05C2	EBI05C4	EBI12C1	EBI12C2
	Code	BO052CF	BO054CF	BO121CF	BO122CF
	Unit	Data			
External dimensions (l×h×p)	[mm]	1750 × 2100 × 1660			
Internal dimensions (l ×h×p)	[mm]	600 × 350 × 700		600 × 700 × 700	
Volume per chamber	[lt]	150		300	
Chambers per system	[n°]	2	4	1	2
Loading capacity per chamber	[BIB HD]	5		12	
Full load capacity per system	[BIB HD]	10	20	12	24
Temperature range	[°C]	-40 ÷ +180			
Temperature constancy in the time	[°C]	±0.5			
Temperature uniformity	[°K]	±1			
Temperature change rate (heating)	[°C/min]	6			
Temperature change rate (cooling)	[°C/min]	3			
Execution of internal chamber		Hermetic welding for control atm			
Internal chamber material	AISI	304			
Insulation double thickness		Rock wool and glass wool HD			
Power supply	[V/ph/Hz]	400/3/50 N+T			
Heating power for each chamber	[KW]	4.0		8.0	
Max power for each chamber	[KVA]	7.0		12.3	
Max current for each chamber	[A]	12.0		23.0	
Cooling water supply 15°C±2	m <sup>3</sup> /h	1.0	2.0	1.0	2.0
Inlet N2 or Dry air at 2 bar	Lt/min	0 ÷ 20 (per chamber)			
Dehumidification		Yes			
Max noisy at 1 meter	[dB]	<65			
Installation room (climatic conditions)	(climatic °C - UR%)	10 ÷ 32°C – 0 ÷ 75%			
Refrigerant Ecological	HFC	R404			
Weight	Kg	900	1700	900	1600



## Product features:

- Force air recirculation in a close loop between the mixer area and the working space.
- Direct heating and cooling system.
- Motor fans, direct connection, for each chamber.
- Automatic dehumidified during the heating ramp, when the temperature is lower the 15°C
- Cleaning cycle with inert gas, activated automatically at the start of the new cycle and maintained constant with adjustable purge from 0 to 20 lt/min
- Inert gas flow switch, with no fatal indication on the control panel
- Max temperature device with autonomy sensor, no adjustable by the operator (only chamber safe)
- Max temperature device for product safe adjustable from the control panel.
- Touch panel with PLC controller, PID action, memory capacity up to 100 program, ethernet communication with USB port to download the testing data, possible to connect on line and have the proces on Your smartphone (Android or Iphone)
- Cooling system in compliance with the rules in force
- Door open and close with automatic lock with manual unlocked in case of black out
- Door lock or loose during the cycle selected by a key.
- Front cabinet with a 19" module for the industrial PCi, monitor, keyboard, mouse, power supply, etc.
- Emergency device for cut out the power supply
- Electromechanical insertion for each BIB activated by the control panel with selection bib x bib or full.
- Stop fans during the action when the door is open
- Prearrangement for electronic system installation
- Thermocontrol on the drivers cabinet and sealed to reduce the inlet of humid air. Guaranty temperature <40°C with dissipated load about Kw 11.
- Recovery and drain condense device in the drivers cabinet.
- Electrostatic ground connection in the front panel
- Three colour tower light for status indication
- Three phase power control
- Prearrangement for dusty filter into the working space
- Electrical and electronics assembly in according with the rules in force.
- CE compliance

## Optional:

- FLT70001** dusty filter installed into the working space
- POL20000** window on the door with internal light and no condens device

