



Angelantoni
INDUSTRIE

MORE THAN TECHNOLOGY



High capacities, high performances!

- Wide range of capacities.
- Comfortable internal organization.
- Easy to clean.
- Internal light.

Life Science Business Unit
AS - Biomedical Equipment Division

Prefabricated reach-in refrigerators and freezers / CE Series





PRO → Professional Line.

Technical features

Optional

- Temperature chart recorder
- External stainless steel execution
- Internal stainless steel execution
- Stainless steel gridshelves
- Perforated drawers
- RS485 serial interface
- Cryolog software
- Back-up cooling and electrical systems



Structure /Zinc steel plate main frame made of white pre-painted prefabricated panels with gray upper strip. Internal chamber in abrasion proof special white plastic.

Door /Up to 5 service doors with handles, locks and specific rubber gaskets. Electrical heater system on the doors frame to prevent condensation. External key lock.

Shelves /Grid shelves adjustable in height.

Internal Lamp /Internal light complete with manual and automatic door switch ON/OFF.

Insulation /Injected HCFC-Free foamed polyurethane. Thickness: 60 mm.

Cooling system /

- Sealed hermetic or semihermetic compressors in the upper part of the chamber.
- Air-condenser.

Inner air treatment /By a forced ventilation evaporator, hang on the inner ceiling. It is equipped with finned copper pipe battery and bowl for condensation water.

Electric defrosting resistance included in the evaporator pack, allowing a fast defrosting process.

PT 100 probe (protection: IP68) controls the evaporator's inner temperature and consequently manages the defrosting process and the ventilators start.

Regulation and control system /Microprocessor controller E2003, with two independent sections, the first one to set and control temperature, the second one to manage the alarm system and display temperature. Rechargeable buffer battery (12 V, 2Ah) to maintain the alarm system running for 48 hours in case of power failure. Configured for remote replication of alarms.

Optional /CRYOLOG software for monitoring equipment parameters and alarms.

Technical specifications

Model	CE							
	2000/2 TN 2000/2 TN-GL	2000/2 BT 2000/2 BT-GL	3000/3 TN 3000/3 TN-GL	3000/3 BT 3000/3 BT-GL	4000/4 TN 4000/4 TN-GL	4000/4 BT 4000/4 BT-GL	5000/5 TN 5000/5 TN-GL	5000/5 BT 5000/5 BT-GL
Nominal capacity (l)	2000		3000		4000		5000	
Temperature range (°C)	0 / +10	-10 / -20	0 / +10	-10 / -20	0 / +10	-10 / -20	0 / +10	-10 / -20
Working temperature (°C)	+4	-20	+4	-20	+4	-20	+4	-20
Temperature accuracy in space (°C)	±2							
Temperature accuracy in time (°C)	±1	±2	±1			±2		
Supply voltage (V)	230 V (+6 / -10%) / 50Hz / 1 + T(G)				400 V (+6 / -10%) / 50Hz / 1 + T(G)			
Maximum absorbed current (A)	-6-7		4,5 / 7,5		4,5 / 6,5		4,5 / 7	
Energy consumption (kW/24h)	10 / 11		10 / 15		10 / 19		10 / 12	
Thermal dissipation (kcal/h)	360 / 660		350 / 960		350 / 1320			
Cooling gas	R134a	R404a	R134a	R404a	R134a	R404a	R134a	R404a
External dimensions (mm)	1720×870×2350	1720×870×2350	2520×870×2450	2520×870×2450	3220×870×2470	3220×870×2470	4120×870×2470	4120×870×2470
Internal dimensions (mm)	1600×680×1880	1600×680×1880	2400×680×1880	1600×680×1880	3200×870×1880	3200×870×1880	4000×680×1880	4000×680×1880
Noise level (dba)	< 60							
Overall weight with std. packaging (kg)	200	220	240	260	300	320	340	360

→ Illustration, description and technical data may be changed without notice.



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