

Koala 160 Front opening biomedical refrigerated container

Temperature adjustment range: **0°C to +40°C.**

PRODUCT TYPE

Front opening portable refrigerator, featuring a capacity of 160 litres.

SUITABLE FOR

Operators working in the biomedical industry, analysis laboratories, pharmaceutical manufacturers and distributors.

INTENDED USE

For the transport and storage under controlled temperature conditions of laboratory samples for clinical testing and environmental analysis, vaccines, pharmaceuticals, chemotherapy products, blood and blood products, organs.



ADVANTAGES AND BENEFITS

- Maintains contents (warm or chilled) at a constant temperature, from 0°C to + 40°C, with external temperatures of +30°C.
- The heating unit is triggered when external temperature is lower than the one set for the content. This allows to maintain a constant temperature even in case of very low external temperatures.
- The refrigerating unit is triggered when external temperature is higher than the one set for the content. This allows to maintain a constant temperature even in case of very high external temperatures.
- It preserves the chemical and physical characteristics of products during transport.
- It can be transported using conventional vehicles: it allows to simultaneously transport frozen, chilled and ambient temperature products using a single non-insulated vehicle.
- Equipped with a very low-consumption cooling unit.
- The insulation offered by the container walls (especially thick in this model) guarantees temperature retention with a minimum number of refrigerator unit cycles, limiting electric power consumption.
- Easy and accurate temperature control, thanks to the programmable digital thermostat.
- Double power supply: during transport it can be connected to the vehicle's cigarette lighter socket; after reaching the intended destination, it can be connected to the mains power supply.
- Refrigerating unit designed to withstand the mechanical stresses resulting from transport.
- Ideal for transporting large quantities.
- Thanks to its dimensions, it can be transported in "minivans" vehicles.
- The 5 runner frame(included) improves load distribution. Stainless still grid shelves available upon request.
- Fitted with castors for easy handling.
- Large and practical front opening.
- One-piece moulding: perfectly tight, shockproof and without any sharp edges, joints or welds.
- The materials used for the manufacturing are suitable for food contact over the whole container surface.
- The unit's design allows accurate cleaning and sanitising (EC Reg. 852/2004 852/2004 – HACCP-).
- It allows to properly operate in HACCP environment (EC Reg. 852/2004).
- Environmental impact decidedly smaller than that of less durable containers.
- Fully recyclable at the end of the operating life.

TECHNICAL CHARACTERISTICS

- Manufactured using the rotational moulding technology, allowing production of very sturdy objects without sharp edges, joints or welds, whilst assuring highly efficient temperature retention.
- Container insulated with CFC- and HCFC-free polyurethane foam.
- Container (isothermal box) guaranteed for use at temperatures ranging between -30° and $+100^{\circ}\text{C}$.
- Cooling unit performances guaranteed at operating ambient temperatures up to $+30^{\circ}\text{C}$.
- Supply voltage: 12 V d.c. or 100 / 240 V a.c. - 50 / 60 Hz.
- Rated input current:
 - 10 A at 12 V d.c.;
 - 0.53 A at 230 V a.c.
- Equipped with two non-interchangeable power supply cables, one of which equipped with cigarette lighter plug.
- 35 A protection fuse (for 12 V d.c.); 4 A protection fuse (for 230 V a.c.).
- Protection against excessive vehicle battery voltage drop, thanks to the automatic disconnection of the cooling unit power supply, should the battery voltage drop below 11V.
- Temperature control and adjustment by means of a programmable digital thermostat.
- Degree of accuracy in temperature control: $\pm 0.5^{\circ}\text{C}$.
- The door features an easily removable holding gasket.
- Protective gasket installed on the evaporator.
- Strong, stress-resistant hinges built in to the container.
- Melform catches made in shockproof material.
- Sealed compressor with electronic adjustment and control unit equipped with a protection against current surges.
- Refrigerating gas: R134a

AVAILABILITY

Model	Colour	Code	External Dim. (mm)	Internal Dim. (mm)	Capacity l	Weight Kg
Koala 160 Biomedical 5 runners frame included	grey blue melange	39AB6034	790x650x1230 h	490x420x640 h with frame 540x450x660 h without frame	162	65
Stainless steel grid shelf for Koala 160V	stainless steel	AEA017	512x420x12 h			1,76