

# Koala 160 Biomedical refrigerated container

Temperature adjustment range: **-18°C to +40°C.**

## PRODUCT TYPE

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 -18°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.
- Wide, convenient top hinged lid opening.
- Ideal for transporting large quantities.
- Available, upon request, a castors kit for easier handling.
- 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°C.
- Refrigerating unit performances guaranteed at operating ambient temperatures up to +30°C.
- Supply voltage: 12 V d.c. or 100 / 230 V a.c. - 50 / 60 Hz.
- Rated input current:
  - 8 A at 12 V d.c.;
  - 0.42 A at 230 V a.c.
- Equipped with two non-interchangeable power supply cables, one of which equipped with cigarette lighter plug.
- 15 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: +/-0.5 °C.
- Easily removable lid gasket.
- Protective gasket installed on the evaporator.
- Internal protective evaporator grid made of plastic-coated metal wire.
- 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 -18°C +40°C	grey blue melange	39AB6033	790x1100x650 h	540x660x450 h	162	59
Koala 160 castors kit		RRI070	dia. 125 mm			