Koala 80 AS

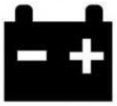
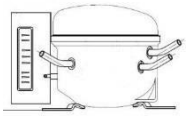
GN 1/1

Refrigerated container for the transport of food/pharmaceutical products at a controlled temperature

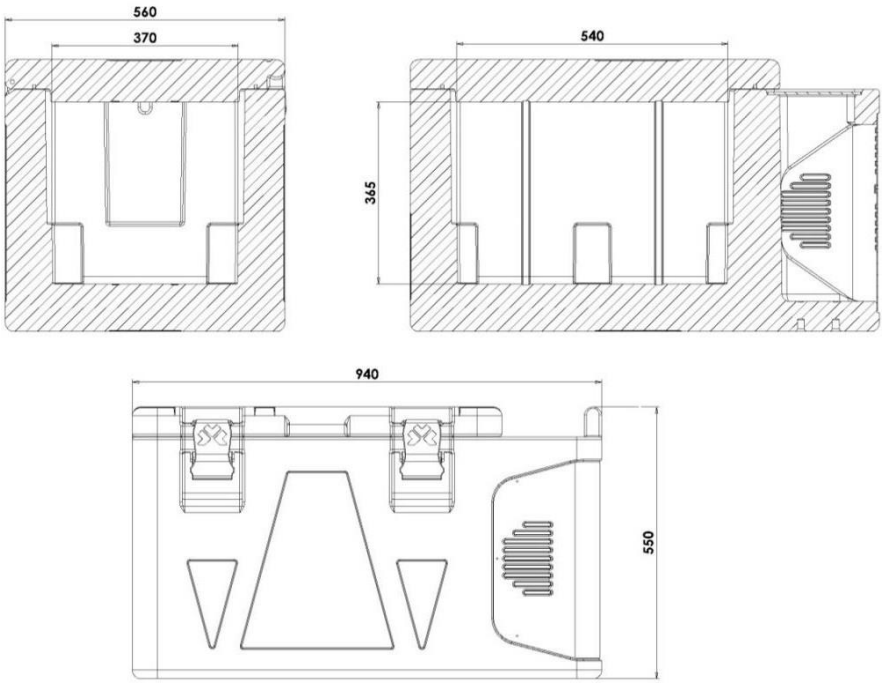
- Available in versions:
  - AS: temperature adjustment range: from -30°C to +10°C;
  - ASH: with heating kit and temperature adjustment range: from -30°C to +40°.
- Ideal to transport trays of homemade ice cream (carries up to 9 trays).
- Suitable for Gastronorm GN 1/1 pans and submultiples.
- Insulation offered by container walls, ensures that the temperature maintenance is guaranteed with a minimum number of ignitions of the cooling unit; this contributes limiting energy consumption.
- Cooling unit is triggered when inner temperature is higher than the temperature set with the programmable digital thermostat. This allows to maintain a constant temperature even in case of very high external temperatures.
- In the ASH versions, the heating unit is triggered when inner temperature is lower than the temperature set with the programmable digital thermostat. This allows to maintain a constant temperature even in case of very low external temperatures.
- Total compliance with the cold chain at all stages of transport.
- It can be transported using conventional vehicles: it allows to simultaneously transport chilled, frozen and ambient temperature products using a single non-insulated vehicle.
- Equipped with a low consumption cooling unit.
- Dual power source: during transport can be connected to the battery (or auxiliary battery) of the vehicle and, at the destination, can be connected to mains power.
- Manufactured using the rotational moulding technology: mono-block container and door (free of sharp edges, joints and welds).
- Fully recyclable at the end of the operating life.

MANUFACTURING MATERIALS

Polyethylene	inner and outer walls of the container and lid; suitable for food contact	**Polyurethane**	insulating material between the walls of the container and of the lid; free of CFC and HCFC
Silicone	gasket	**Polyamide and fiberglass**	hinges
Aluminum	colling unit frame, control panel	**Stainless steel**	grip handles

TECHNICAL CHARACTERISTICS			
AS version	• **from 0°C to +10°C** • **from -18°C to +10°C** • **from -25°C to +10°C** • **from -30°C to +10°C**	**ASH version**	• **from 0°C to +40°C** • **from -18°C to +40°C** • **from -25°C to +40°C** • **from -30°C to +40°C**
+/- 0,5 °C	Degree of accuracy in temperature adjustment: • **+/-0,5 °C**		Protection against voltage drops of the vehicle battery, in case of falling below of the limit value of **11V**
	Equipped with three cables: for power supply to **230Vac 50-60Hz**		For power supply to **12Vdc** • with Anderson connectors
	For power supply to **12Vdc** • with Anderson terminal for connection to the Koala and with cigarette lighter plug on the other end of the cable • with Anderson terminal for connection to the Koala and fork terminals for connection to the battery of the vehicle (depending on the versions, see table in technical data for detailed information)		• Cooling unit performance guaranteed for use at ambient temperature: **from +10°C to +30°C** • Container (insulated case) guaranteed for use: **from –30° to +100°C**
GAS	Coolant gas: • **R134a** (versions 0°C +10/+40°C; -18°C +10/+40°C; -25°C +10/+40°C) • **R452A** (version **-**30°C +10/+40°C)		Hermetic compressor with electronic control unit for adjustment and control equipped with overvoltage protection
	Adjustment and control of the temperature with programmable digital thermostat		Cooling unit equipped with a "roll-bond" static evaporator
	Available (on request) USB datalogger to record temperature data during transport		Integrated stainless steel handles
	Hinge integrated in the container		Melform closing hook in shockproof material
	Evaporator protection internal grid made of plasticised metal wire		Mono-block structure, no sharp edges, joints and welds
	Seal of the lid can be removed easily		Insulated with CFC and HCFC-free polyurethane foam

TECHNICAL SPECIFICATIONS



Model	Code	12V Power supply Fork terminal	12V Power supply Cigarette lighter socket	Nominal absorption	Fuses
AS VERSION					
Koala 80 AS **from 0°C to +10°C**	K80ASISDYM0		✓	**0,35A** to 230Vac **7A** to 12Vdc	**4A** for 230Vac **15A** for 12Vdc
Koala 80 AS **from -18°C to +10°C**	K80ASISCYM0		✓	**0,62A** to 230Vac **12A** to 12Vdc	**4A** for 230Vac **25A** for 12Vdc
Koala 80 AS **from -25°C to +10°C**	K80ASISBYM0		✓	**0,62A** to 230Vac **12A** to 12Vdc	**4A** for 230Vac **25A** for 12Vdc
Koala 80 AS **from -30°C to +10°C**	K80ASISAYM0	✓		**1A** to 230Vac **18A** to 12Vdc	**4A** for 230Vac **30A** for 12Vdc
ASH VERSION (with heating kit)					
Koala 80 ASH **from 0°C to +40°C**	K80ASISDZM0		✓	**0,35A** to 230Vac **7A** to 12Vdc	**4A** for 230Vac **15A** for 12Vdc
Koala 80 ASH **from -18°C to +40°C**	K80ASISCZM0		✓	**0,62A** to 230Vac **12A** to 12Vdc	**4A** for 230Vac **25A** for 12Vdc
Koala 80 ASH **from -25°C to +40°C**	K80ASISBZM0		✓	**0,62A** to 230Vac **12A** to 12Vdc	**4A** for 230Vac **25A** for 12Vdc
Koala 80 ASH **from -30°C to +40°C**	K80ASISAZM0	✓		**1A** to 230Vac **18A** to 12Vdc	**4A** for 230Vac **30A** for 12Vdc

Model	Code	Colour	External dim. (mm)	Internal dim. (mm)	Capacity l	Weight Kg
Koala 80 AS/ASH		melange grey blue	560x940xh550	370x540xh365	73	34

MELFORM
Right TEMPERATURE Worldwide

Via Savigliano 34 - 12030 Monasterolo di Savigliano (CN)
Tel. +39 0172812600 - Fax +39 017285991 - info@melform.com
GPS: Lat 44.681363 - Long 7.624809
www.melform.com
A8c6359bdede6c0c97f93a10f7d7ec843243b644e864c345f52435c32de03530