

# Refrigerated container KOALA 80

16/01/2023 - Rev.0



ATP



## Refrigerated container for the transport of temperature-controlled products

- Brand: MELFORM
- Country of origin: ITALY
- Customs code: 84181080
- ATP Certificate
- Compatible with food contact
- Color: melange grey/blue
- Dual power supply: 12Vdc and 230Vac
- Technology: rotomoulding
- Warranty: 24 months
- Fully recyclable at the end of its operational life.

### MANUFACTURING MATERIALS

<b>Polyethylene</b>	inner and outer walls of the container and lid; suitable for food contact	<b>Polyurethane</b>	insulating material between the walls of the container and the lid, CFC and HCFC free
<b>Silicone rubber</b>	gasket	<b>Polyamide and fiberglass</b>	closures
<b>Aluminium</b>	crankcase control panel	<b>Stainless steel</b>	gripping handles

Modello	Product code	Code EAN	Ext. dim. (mm)	Int. dim. (mm)	Capacity (liters)	Weight (kg)
<b>integrated cooling unit</b>	K80ASISDYM0	8022949177126	560x940xh550	370x540xh365	73	34
	K80ASISCYM0	8022949178147				
	K80ASISBYM0	8022949178055				
	K80ASISAYM0	8022949177997				
	K80ASISDZM0	8022949177355				
	K80ASISCZM0	8022949177645				
	K80ASISBZM0	8022949177874				
	K80ASISAZM0	8022949178024				

## FEATURES COOLING UNIT

	Static refrigeration unit version equipped with "roll-bond" type static evaporator		Hermetic compressor with electronic control unit for regulation and control equipped with surge protection
	Guaranteed cooling unit performance for ambient T-use: <b>+10°C to +30°C</b> Container (isothermal body) guaranteed for use: <b>-30°C to +100°C</b>		Cables <b>230Vac</b> 50-60Hz power supply  (standard equipment)
	<b>Cables for 12Vdc</b> power supply with Anderson terminals  (standard equipment)		<b>Cables for 12Vdc</b> power supply with Anderson terminal on the KOALA side and cigarette lighter plug  (depending on the model)
	Cables for <b>12Vdc</b> power supply with Anderson terminal on the KOALA side and fork terminal for connection to the vehicle battery  (depending on the model)		
<p>Degree of accuracy: <b>+/-0.5 °C</b>            Refrigerant gas: <b>R134a</b> (versions 0°C +10/+40°C; -18°C +10/+40°C; <b>-25°C +10/+40°C</b>);  <b>R452a</b> (versions -30°C +10/+40°C)            Global heat transfer coefficient: <b>K=0.36 W/m²K</b></p>			

## PRODUCT FEATURES

	Easily removable lid sealing gasket		Zipper integrated in the container
	Melform closing hook in shockproof material		Protection grid of the evaporator made of plasticized metal wire
	Monobloc structure, without edges, joints and welds		Temperature regulation and control with programmable digital thermostat
	USB datalogger available (on request) to record temperature data during transport		RFID systems for traceability

Model	Product code	Feeding 12V Fork terminal	Feeding 12V Cigarette lighter plug	Absorption nominal	Fuses
Koala 80 <b>0°C to +10°C</b>	K80ASISDYMO		✓	<b>0.35A</b> at 230Vac <b>7A</b> at 12Vdc <b>(85 W)</b>	<b>4A</b> for 230Vac <b>15A</b> for 12Vdc
Koala 80 <b>-18°C to +10°C</b>	K80ASISCYMO		✓	<b>0.62A</b> at 230Vac <b>12A</b> at 12Vdc <b>(150 W)</b>	<b>4A</b> for 230Vac <b>25A</b> for 12Vdc
Koala 80 <b>-25°C to +10°C</b>	K80ASISBYMO		✓	<b>0.62A</b> at 230Vac <b>12A</b> to 12Vdc <b>(150 W)</b>	<b>4A</b> for 230Vac <b>25A</b> for 12Vdc
Koala 80 <b>-30°C to +10°C</b>	K80ASISAYMO	✓		<b>1A</b> at 230Vac <b>18A</b> at 12Vdc <b>(220 W)</b>	<b>4A</b> for 230Vac <b>30A</b> for 12Vdc
Koala 80 <b>0°C to +40°C</b>	K80ASISDZMO		✓	<b>0.35A</b> at 230Vac <b>7A</b> at 12Vdc <b>(85 W)</b>	<b>4A</b> for 230Vac <b>15A</b> for 12Vdc
Koala 80 <b>-18°C to +40°C</b>	K80ASISCZMO		✓	<b>0.62A</b> at 230Vac <b>12A</b> at 12Vdc <b>(150 W)</b>	<b>4A</b> for 230Vac <b>25A</b> for 12Vdc
Koala 80 <b>-25°C to +40°C</b>	K80ASISBZMO		✓	<b>0.62A</b> at 230Vac <b>12A</b> to 12Vdc <b>(150 W)</b>	<b>4A</b> for 230Vac <b>25A</b> for 12Vdc
Koala 80 <b>-30°C to +40°C</b>	K80ASISAZMO	✓		<b>1A</b> at 230Vac <b>18A</b> at 12Vdc <b>(220 W)</b>	<b>4A</b> for 230Vac <b>30A</b> for 12Vdc

ACCESSORIES	Code
Fixing kit on vehicle	RRI214