

# Refrigerated container KOALA 80

17/01/2025 - Rev.2



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: 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, static</b>	K80ASISDYM0	8022949177126	560x940xh550	370x540xh365	73	34
	K80ASISBYM0	8022949178055				
	K80ASISAYM0	8022949177997				
	K80ASISDZM0	8022949177355				
	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 <b>0°C +10/+40°C; -25°C +10/+40°C</b>);  <b>R452a</b> (versions <b>-30°C +10/+40°C</b>)  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>	K80ASISDYM0		✓	<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>-25°C to +10°C</b>	K80ASISBYM0		✓	<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>	K80ASISAYM0	✓		<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>	K80ASISDZM0		✓	<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>-25°C to +40°C</b>	K80ASISBZM0		✓	<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>	K80ASISAZM0	✓		<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	Amperage	Weight (Kg)	Dim. (mm)	Code
Fixing kit on vehicle		1		RRI214
Power bank charger 12V for KOALA	100 Ah	22	345x315xh340	ePB100A01
Power bank charger 12V for KOALA	120 Ah	26	345x315xh340	ePB120A01
Power bank charger 12V for KOALA	150 Ah	28	345x315xh340	ePB150A01
USB Data Logger Range - 30°C +70°C				AFG007
Card holder		0,05	A5	RRI141

