

# Refrigerated container KOALA 780

16/01/2023 - Rev.0



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

- Brand: MELFORM
- Country of origin: ITALY
- Customs code: 84181080
- Compatible with food contact
- Color: melange grey/blue
- Available in version on wheels, pallets, feet
- 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>	internal and external walls of the container and door; suitable for food contact	<b>Polyurethane</b>	insulating material between the walls of the container and the door, free of CFC and HCFC
<b>Silicone rubber</b>	seal	<b>Rubber and polyamide</b>	wheels (rubber tread and polyamide core)
<b>Galvanized steel</b>	crankcase, hinge rods, plates Hinge rod connection, wheel support	<b>Stainless steel</b>	handling handles, closing handle, rod inside the door
<b>Polypropylene</b>	Hinges		

Model	Product code	EAN code	Ext. dim. (mm)	Int. dim (mm)	Capacity (liters)	Weight (kg)
<b>ventilated positive cooling unit on top</b>	K780AFTVDYM1	8022949178185	800X1000Xh2170	610x810xh1350	610	145
	K780AFTVDZM1	8022949178048				
<b>ventilated positive cooling unit on back</b>	K780AFDVDYM1	8022949177751	800x1250xh1950	610x810xh1350	610	145
	K780AFDVDZM1	8022949177195				
<b>Ventilated negative cooling unit on top</b>	K780AFTVCYM1	8022949177669	800X1000Xh2170	610x810xh1350	610	145
	K780AFTVCZM1	8022949177591				
<b>Ventilated negative cooling unit on back</b>	K780AFDVCYM1	8022949177560	800x1250xh1950	610x810xh1350	610	145
	K780AFDVCZM1	8022949177256				







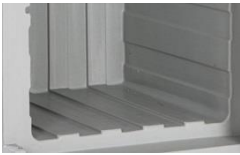





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## FEATURES COOLING UNIT

	The ventilation system ensures greater speed and uniformity of diffusion of cold and heat inside the container		Hermetic compressor with electronic control unit for regulation and control equipped with surge protection
	Guaranteed refrigeration unit performance for ambient T-use: <b>+10°C to +30°C</b> Container (isothermal case) guaranteed for use: <b>-30°C to +100°C</b>		Cables for 230Vac 50-60Hz power supply  (standard equipment)
	Cables for 12Vdc power supply with Anderson terminals  (standard equipment)		Cables for 12Vdc power supply with Anderson terminal on the KOALA side and fork terminal for connection to the vehicle battery  (standard equipment)
<p>Degree of accuracy: <b>+/-0.5 °C</b>                  Refrigerant gas: <b>R452a</b>                  Overall heat transfer coefficient: <b>K=0.35 W/m²K</b></p>			

## PRODUCT FEATURES

	3 seats for housing grids positioned at 385/785/1185mm from the bottom of the container.  (gavailable on request)		Openable door up to 270° with latch – tab door
	Stainless steel closing handle with release button; Prepared for the use of tamper-evident system		Stainless steel rod with 2 hooks integrated in the door
	Door sealing gasket easily removable		Temperature regulation and control with programmable digital thermostat
	Internal grooves to promote good air circulation		Double-pin hinge system. Better door stability over time
	USB datalogger available (on request) to record temperature data during transport		RFID systems for traceability

Model	Product code	Absorption nominal	Fuses
Koala 780 <b>Cooling unit on top ventilated</b> <b>0°C to +10°C</b>	K780AFTVDYM1	<b>1A</b> at 230Vac <b>25A</b> at 12Vdc <b>(300 W)</b>	<b>4A</b> for 230Vac <b>30A</b> for 12Vdc
Koala 780 <b>Cooling unit on back ventilated</b> <b>0°C to +10°C</b>	K780AFDVDYM1	<b>1A</b> at 230Vac <b>25A</b> at 12Vdc <b>(300 W)</b>	<b>4A</b> for 230Vac <b>30A</b> for 12Vdc
Koala 780 <b>Cooling unit on top ventilated</b> <b>-18°C to +10°C</b>	K780AFTVCYM1	<b>1A</b> at 230Vac <b>25A</b> at 12Vdc <b>(300 W)</b>	<b>4A</b> for 230Vac <b>30A</b> for 12Vdc
Koala 780 <b>Cooling unit on back ventilated</b> <b>-18°C to +10°C</b>	K780AFDVCYM1	<b>1A</b> at 230Vac <b>25A</b> at 12Vdc <b>(300 W)</b>	<b>4A</b> for 230Vac <b>30A</b> for 12Vdc
Koala 780 <b>Cooling unit on top ventilated</b> <b>0°C to +40°C</b>	K780AFTVDZM1	<b>1A</b> at 230Vac <b>25A</b> at 12Vdc <b>(300 W)</b>	<b>4A</b> for 230Vac <b>30A</b> for 12Vdc
Koala 780 <b>Cooling unit on back ventilated</b> <b>0°C to +40°C</b>	K780AFDVDZM1	<b>1A</b> at 230Vac <b>25A</b> at 12Vdc <b>(300 W)</b>	<b>4A</b> for 230Vac <b>30A</b> for 12Vdc
Koala 780 <b>Cooling unit on top ventilated</b> <b>-18°C to +40°C</b>	K780AFTVCZM1	<b>1A</b> at 230Vac <b>25A</b> at 12Vdc <b>(300 W)</b>	<b>4A</b> for 230Vac <b>30A</b> for 12Vdc
Koala 780 <b>Cooling unit on back ventilated</b> <b>-18°C to +40°C</b>	K780AFDVCZM1	<b>1A</b> at 230Vac <b>25A</b> at 12Vdc <b>(300 W)</b>	<b>4A</b> for 230Vac <b>30A</b> for 12Vdc

ACCESSORIES	Code
Card holders	AMC101
Stainless steel grid	AEA019
Fixing kit on vehicle	RRI223