

Refrigerated container KOALA 1000

22/01/2025 - Rev.1



Refrigerated container for the transport of temperature-controlled products


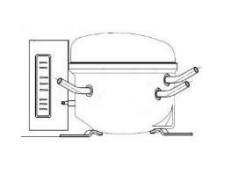




- Brand: MELFORM
- Country of origin: ITALY
- Customs code: 84181080
- Compatible with food contact
- Color: grey/blue
- Available in version on wheels. Available on request in basic, pallets, feet versions.
- Dual power supply: 12Vdc and 230Vac
- Technology: rotomoulding
- Warranty: 24 months
- Fully recyclable at the end of its operational life.

MANUFACTURING MATERIALS


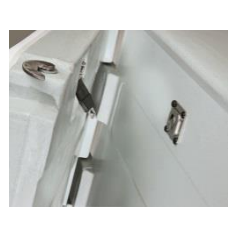







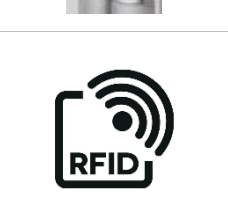
Polyethylene	internal and external walls of the container and door; suitable for food contact	Polyurethane	insulating material between the walls of the container and the door, free of CFC and HCFC
Silicone rubber	seal	Rubber and polyamide	wheels (rubber tread and polyamide core)
Galvanized steel	crankcase, hinge rods, plates Hinge rod connection, wheel support	Stainless steel	handling handles, closing handle, rod inside the door
Polypropylene	Hinges		

Model	Product code	EAN code	Ext. dim. (mm)	Int. dim. (mm)	Capacity (liters)	Weight (kg)
Top cooling unit, ventilated, positive	K1000AFTVDYM1	8022949177294	800X1200Xh2170	605x1015xh1350	830	164
	K1000AFTVDZM1	8022949177652				
Back cooling unit, ventilated, positive	K1000AFDVDYM1	8022949177850	800X1450Xh1940	605x1015xh1350	830	164
	K1000AFDVDZM1	8022949177584				
Top cooling unit, ventilated, negative	K1000AFTVCYM1	8022949177348	800X1200Xh2170	605x1015xh1350	830	164
	K1000AFTVCZM1	8022949177317				
Back cooling unit, ventilated, negative	K1000AFDVCYM1	8022949177270	800X1450Xh1940	605x1015xh1350	830	164
	K1000AFDVCZM1	8022949177799				

FEATURES COOLING UNIT

	<p>The ventilation system ensures greater speed and uniformity of diffusion of cold and heat inside the container</p>		<p>Hermetic compressor with electronic control unit for regulation and control equipped with surge protection</p>
	<p>Guaranteed refrigeration unit performance for ambient T-use: +10°C to +30°C Container (isothermal case) guaranteed for use: -30°C to +100°C</p>		<p>Cables for 230Vac 50-60Hz power supply (standard equipment)</p>
	<p>Cables for 12Vdc power supply with Anderson terminals (standard equipment)</p>		<p>Cables for 12Vdc power supply with Anderson terminal on the KOALA side and fork terminal for connection to the vehicle battery (standard equipment)</p>
<p>Degree of accuracy: +/-0.5 °C Refrigerant gas: R452a Overall heat transfer coefficient: K=0.34 W/m²K</p>			

PRODUCT FEATURES

	<p>4 seats for housing grids positioned at 385/785/1185/1250mm from the bottom of the container Grids available on request.</p>		<p>Openable door up to 270° with latch – tab door</p>
	<p>Stainless steel closing handle with release button; Prepared for the use of tamper-evident system</p>		<p>Stainless steel rod with 2 hooks integrated in the door</p>
	<p>Door sealing gasket easily removable</p>		<p>Temperature regulation and control with programmable digital thermostat</p>
	<p>Internal grooves to promote good air circulation</p>		<p>Double-pin hinge system. Better door stability over time</p>
	<p>USB datalogger available (on request) to record temperature data during transport</p>		<p>RFID systems for traceability</p>

Model	Product code	Absorption nominal	Fuses
Koala 1000 Top cooling unit, ventilated 0°C to +10°C	K1000AFTVDYM1	1A at 230Vac 25A at 12Vdc (300 W)	4A for 230Vac 30A for 12Vdc
Koala 1000 Back cooling unit, ventilated 0°C to +10°C	K1000AFDVDYM1	1A at 230Vac 25A at 12Vdc (300 W)	4A for 230Vac 30A for 12Vdc
Koala 1000 Top cooling unit, ventilated -18°C to +10°C	K1000AFTVCYM1	1A at 230Vac 25A at 12Vdc (300 W)	4A for 230Vac 30A for 12Vdc
Koala 1000 Back cooling unit, ventilated -18°C to +10°C	K1000AFDVCYM1	1A at 230Vac 25A at 12Vdc (300 W)	4A for 230Vac 30A for 12Vdc
Koala 1000 Top cooling unit, ventilated 0°C to +40°C	K1000AFTVDZM1	1A at 230Vac 25A at 12Vdc (300 W)	4A for 230Vac 30A for 12Vdc
Koala 1000 Back cooling unit, ventilated 0°C to +40°C	K1000AFDVDZM1	1A at 230Vac 25A at 12Vdc (300 W)	4A for 230Vac 30A for 12Vdc
Koala 1000 Top cooling unit, ventilated -18°C to +40°C	K1000AFTVCZM1	1A at 230Vac 25A at 12Vdc (300 W)	4A for 230Vac 30A for 12Vdc
Koala 1000 Back cooling unit, ventilated -18°C to +40°C	K1000AFDVCZM1	1A at 230Vac 25A at 12Vdc (300 W)	4A for 230Vac 30A for 12Vdc

ACCESSORIES	Amperage	Weight (Kg)	Dim. (mm)	Code
Card holder		0,05	A5	RRI141
Stainless steel grid		5	647X990X16	AEA023
Stainless steel folding grid		6	647X990X25	AEA029
Floor/vehicle fixing kit (for basic version)				RRI223
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

