

Refrigerated container KOALA GREEN 1000

1/16/2023
Rev.0



Self-powered refrigerated container with removable battery


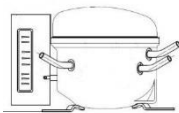






- Brand: MELFORM
- Country of origin: ITALY
- Customs code: 84181080
- Compatible with food contact
- Color: melange grey/blue
- Power supply and charging at 230Vac
- Technology: rotomoulding
- Warranty: 24 months
- Fully recyclable at the end of its service life
- Available in version on wheels, pallets, feet
- Available with 100Ah or 120Ah LiFePO4 battery

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	gasket	Rubber and polyamide	wheels (rubber tread and polyamide core)
Galvanized steel	crankcase, hinge rods, hinge rod connection plates, wheel support	Stainless steel	handling handles, closing handle, internal door rod
Polypropylene	Hinges		

Model	Product code	EAN code	Ext. dim (mm)	Int. dim. (mm)	Capacity (liters)	Weight (kg)
Cooling unit on top ventilated	K1000AFTVDYM1	8022949177294	800X1200Xh2170	605x1015xh1400	830	164
	K1000AFTVCYM1	8022949177348				
	K1000AFTVDZM1	8022949177652				
	K1000AFTVCZM1	8022949177317				

FEATURES COOLING UNIT

	In the ventilated versions, the ventilation system ensures a higher speed of achievement and uniformity of temperature 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: +10°C to +30°C Container (isothermal body) guaranteed for use: -30°C to +100°C		Cables for power supply at 230Vac 50-60Hz (standard equipment)
	The battery indicator displays: • Battery voltage (V) • Current (A) input/output • Power (W) incoming/outgoing • Amper h (Ah) consumed • State of charge (%) • Remaining autonomy (h)		Practical reset button for battery reset after long periods of inactivity
	Temperature regulation and control with programmable digital thermostat		Removable battery for easy replacement and charging via external power supply Storage limit temperature of the battery only: -20°C / +60°C
Degree of accuracy: +/-0.5 °C Refrigerant gas: R452a Time for a full battery charge: approx. 8/10h			

PRODUCT FEATURES

	4 housing seats of grids positioned at 385/785/1185/1250mm from the bottom of the container Grids available on request		Stainless steel rod with 2 hooks integrated inside the door
	Monobloc structure, without edges, joints and welds		Stainless steel closing handle with release button; Prepared for the use of tamper-evident system
	Door sealing gasket easily removable		Equipped with 4 rubber wheels diameter 125 mm (2 fixed and 2 swivel, one of which is equipped with a brake) Wheel support plate integrated in the enclosure
	Also available in version: • Pallet with steel or galvanized frame at 4 feet of h 120 mm • 4 feet galvanized steel h 120 mm		EVlink module with bluetooth interface available on request
	USB datalogger available (on request) to record temperature data during transport		RFID systems for traceability

Model	Product code	Active and charging unit absorption (at 230Vac)	Fuse 230Vac
Koala Green 1000 AF 0°C to +10°C	K1000AFTVDYM1	Batt. 100Ah 1.52A - 350W Batt. 120Ah 2.05A - 475W	4A
Koala Green 1000 AF -18°C to +10°C	K1000AFTVCYM1	Batt. 100Ah 1.52A - 350W Batt. 120Ah 2.05A - 475W	4A
Koala Green 1000 AFH 0°C to +40°C	K1000AFTVDZM1	Batt. 100Ah 1.52A - 350W Batt. 120Ah 2.05A - 475W	4A
Koala Green 1000 AFH -18°C to +40°C	K1000AFTVCZM1	Batt. 100Ah 1.52A - 350W Batt. 120Ah 2.05A - 475W	4A

BATTERY	Code	Weight (kg)
Battery 100Ah	EPKIT100	14.5
Battery 120Ah	EPKIT120	14.5

FIXINGS	Code
Card holders	AMC101
Stainless steel grid	AEA023
Stainless steel tilting grid	AEA029
Fixing kit on vehicle	RRI223
Battery kit 100Ah	BATT100AH
Battery kit 120Ah	BATT120AH
Charger 10A	CHARGER10A (charging power supply 10A at 12V. Transmitted power 120W)
Charger 20A	CHARGER20A (charging power supply 20A at 12V. Transmitted power 240W)