



KOALA 1000



**REFRIGERATED CONTAINER FOR THE
TRANSPORT OF TEMPERATURE-
CONTROLLED PRODUCTS**



www.melform.com



KOALA 1000

- Brand: MELFORM
- Country of origin: ITALY
- Customs code: 84181080
- 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.
- ATP certified according to model
- Available in version on wheels. Available on request in versions basic or feet

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.

STAINLESS STEEL: handling handles, closing handle, rod inside the door

SILICONE RUBBER: gasket.

GALVANIZED STEEL: crankcase, hinge rods, plates hinge rod connection, wheel support.

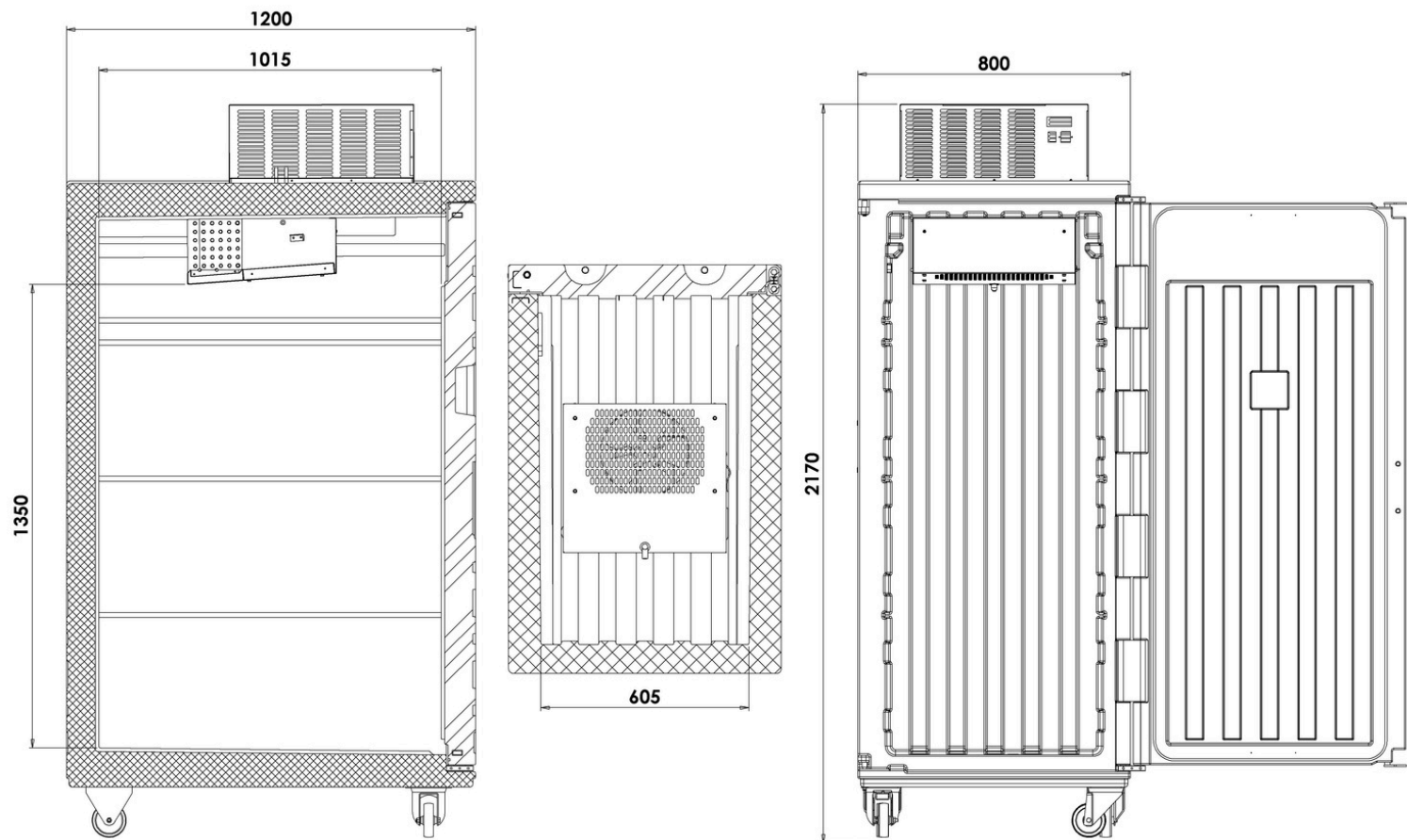
RUBBER AND POLYAMIDE: castors (rubber tread and polyamide core).

POLYPROPYLENE: hinges.

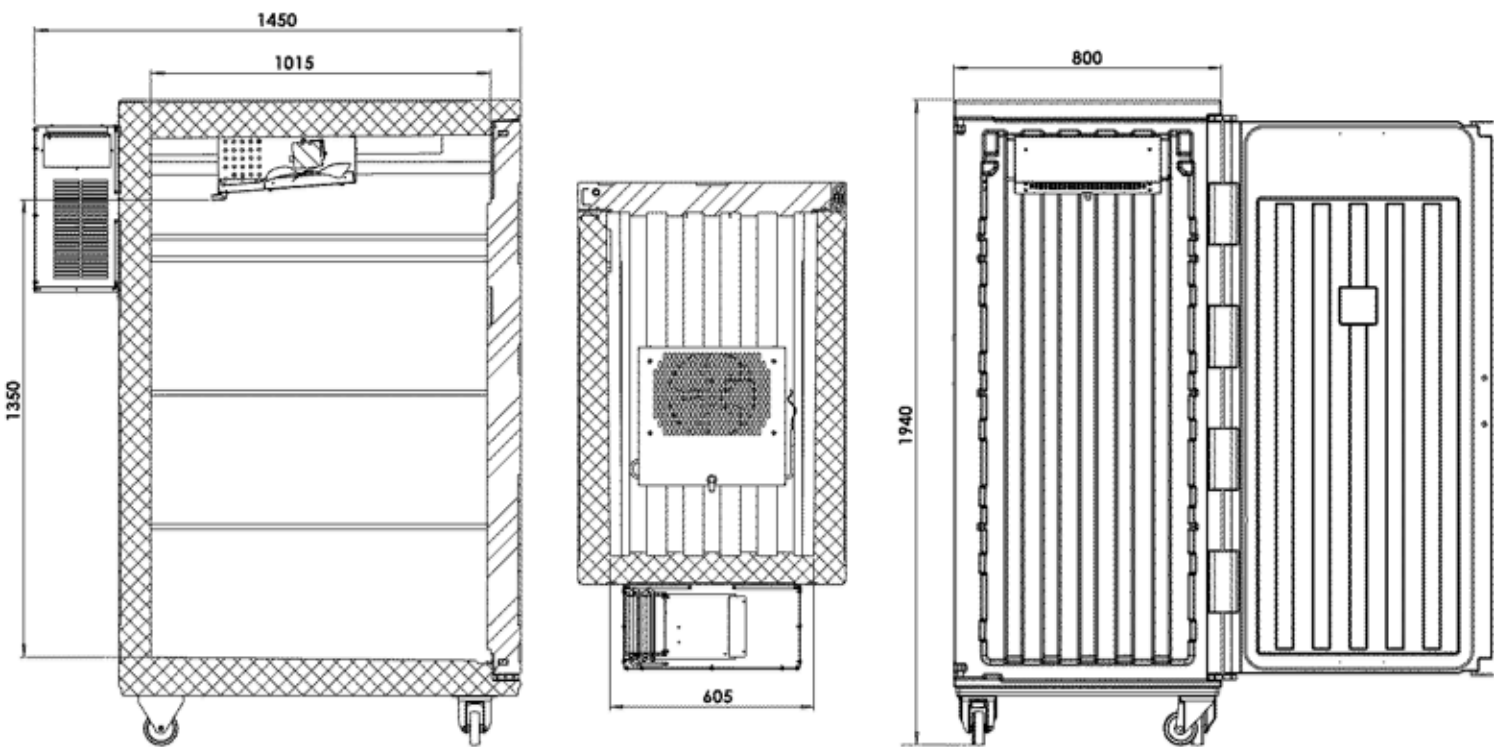
AVAILABLE MODELS

MODEL	SKU	EAN Code	DIM. EXT. (MM)	DIM. INT. (MM)	CAPACITY (L)	WEIGHT (KG)
Top cooling unit, ventilated, positive	K1000AFTVDYM1 K1000AFTVDZM1	8022949177294 8022949177652	800X1200Xh2170	605x1015xh1350	830	164
Back cooling unit, ventilated, positive	K1000AFDVDYM1 K1000AFDVDZM1	8022949177850 8022949177584	800X1450Xh1940	605x1015xh1350	830	164
Top cooling unit, ventilated, negative	K1000AFTVCYM1 K1000AFTVCZM1	8022949177348 8022949177317	800X1200Xh2170	605x1015xh1350	830	164
Back cooling unit, ventilated, negative	K1000AFDVCYM1 K1000AFDVCZM1	8022949177270 8022949177799	800X1450Xh1940	605x1015xh1350	830	164

DIMENSIONAL DRAWING



TOP COOLING UNIT

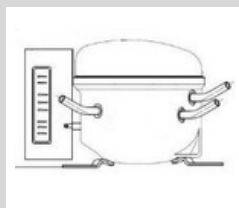


BACK COOLING UNIT

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 cooling unit performance for ambient T-use: **+10°C to +30°C**
Container (isothermal box) guaranteed for use: **-30°C to +100°C**



Cables for power supply at **230Vac** 50-60Hz
(standard equipment)



Cables for **12Vdc** power supply with Anderson terminals
(standard equipment)



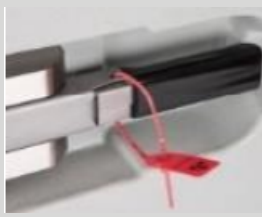
Cables for **12Vdc** power supply with Anderson terminal on the KOALA side and fork terminal for connection to the vehicle battery
(standard equipment)

Degree of accuracy: +/-0.5 °C

Refrigerant gas: R452a

Overall heat transfer coefficient: K=0.34 W/m2K

PRODUCT FEATURES



Stainless steel closing handle with release button; prepared for the use of an anti-tampering system



Stainless steel rod with 2 hooks integrated in the door



Openable door up to 270° with latch - tab door



4 seats for housing grids positioned at 385/785/1185/1250mm from the bottom of the container

Grids available on request.



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

ATP

KOALA refrigerated containers are type-approved by the Italian Ministry of Transport in accordance with ATP regulations. For type-approved models, it is possible to request the issuance of the International ATP Certificate for the individual serial number from the Ministry of Transport.

AVAILABLE MODELS

MODEL	SKU	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 da -18°C a +10°C	K1000AFDVCYM1	1A at 230Vac 25A at 12Vdc (300 W)	4A for 230Vac 30A for 12Vdc
Koala 1000 Top cooling unit, ventilated da 0°C a +40°C	K1000AFTVDZM1	1A at 230Vac 25A at 12Vdc (300 W)	4A for 230Vac 30A for 12Vdc
Koala 1000 Back cooling unit, ventilated da 0°C a +40°C	K1000AFDVDZM1	1A at 230Vac 25A at 12Vdc (300 W)	4A for 230Vac 30A for 12Vdc
Koala 1000 Top cooling unit, ventilated da -18°C a +40°C	K1000AFTVCZM1	1A at 230Vac 25A at 12Vdc (300 W)	4A for 230Vac 30A for 12Vdc
Koala 1000 Back cooling unit, ventilated da -18°C a +40°C	K1000AFDVCZM1	1A at 230Vac 25A at 12Vdc (300 W)	4A for 230Vac 30A for 12Vdc

ACCESSORIES

ACCESSORIES	SKU	AMPERAGE	WEIGHT (KG)	DIM. (MM)
Stainless steel grid	AEA023		5	647X990X16
Power bank charger 12V for KOALA	ePB100A01	100 Ah	22	345x315xh340
Power bank charger 12V for KOALA	ePB120A01	120 Ah	26	345x315xh340
Power bank charger 12V for KOALA	ePB150A01	150 Ah	28	345x315xh340
USB Data Logger Range -30°C +70°C	AFG007			
Card holder	RRI141			A5
Floor/vehicle fixing kit (for basic version)	RRI223			
Stainless steel folding grid	AEA029		6	647X990X25