



KOALA 500



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



www.melform.com



KOALA 500

- 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, pallets & 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, locking handle, inner rod of the door.

SILICONE RUBBER: gasket.

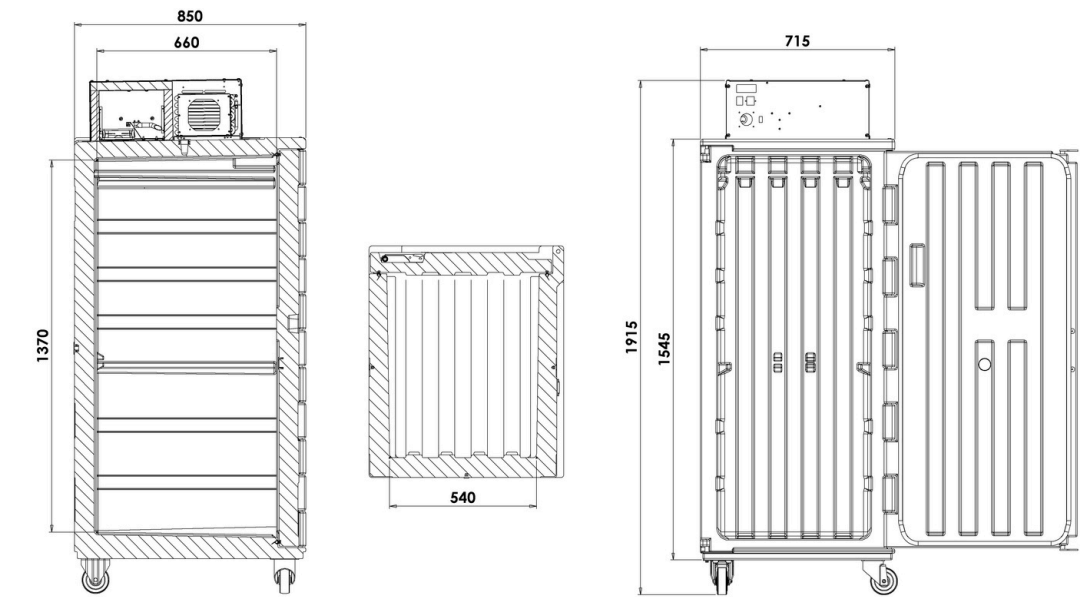
GALVANIZED STEEL: cooling unit frame, castors support.

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

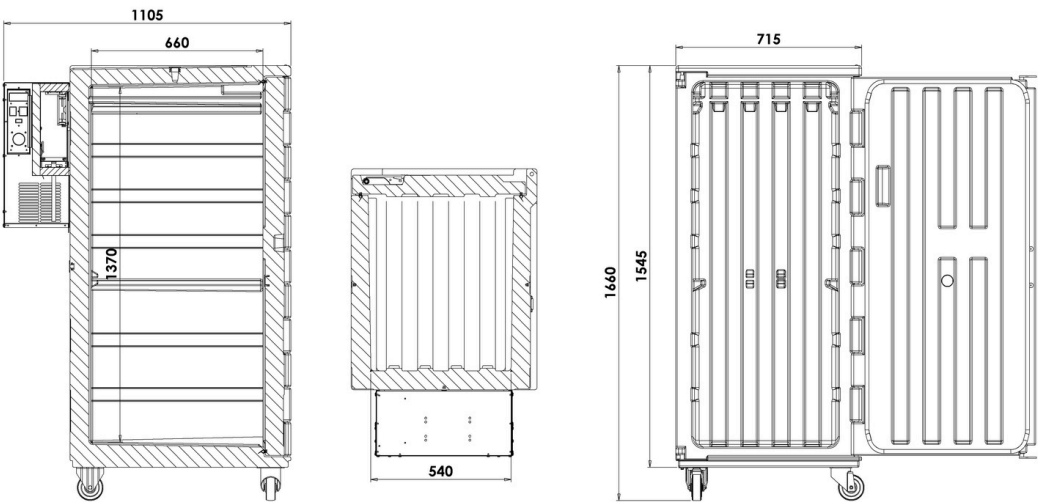
AVAILABLE MODELS

MODEL	SKU	EAN Code	DIM. EXT. (MM)	DIM. INT. (MM)	CAPACITY (L)	WEIGHT (KG)
On Top, ventilated positive	K500AFTVDYM1 K500AFTVDZM1	8022949177157 8022949177737	715X850Xh1915	540x660xh1370	500	116
Back, ventilated positive	K500AFDVDYM1 K500AFDVDZM1	8022949178031 8022949177676	715X1105Xh1660	540x660xh1370	500	116
On top, ventilated negative	K500AFTVCYM1 K500AFTVCZM1	8022949177942 8022949177522	715X850Xh1915	540x660xh1170	416	120
Back, ventilated negative	K500AFDVCYM1 K500AFDVCZM1	8022949177966 8022949177478	715X1105Xh1660	540x660xh1170	416	120

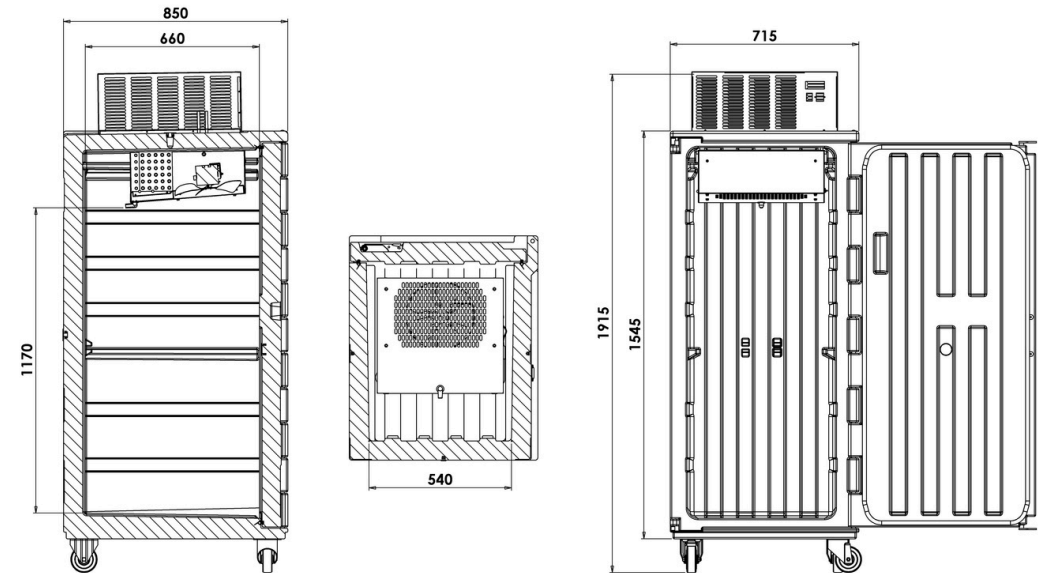
DIMENSIONAL DRAWING



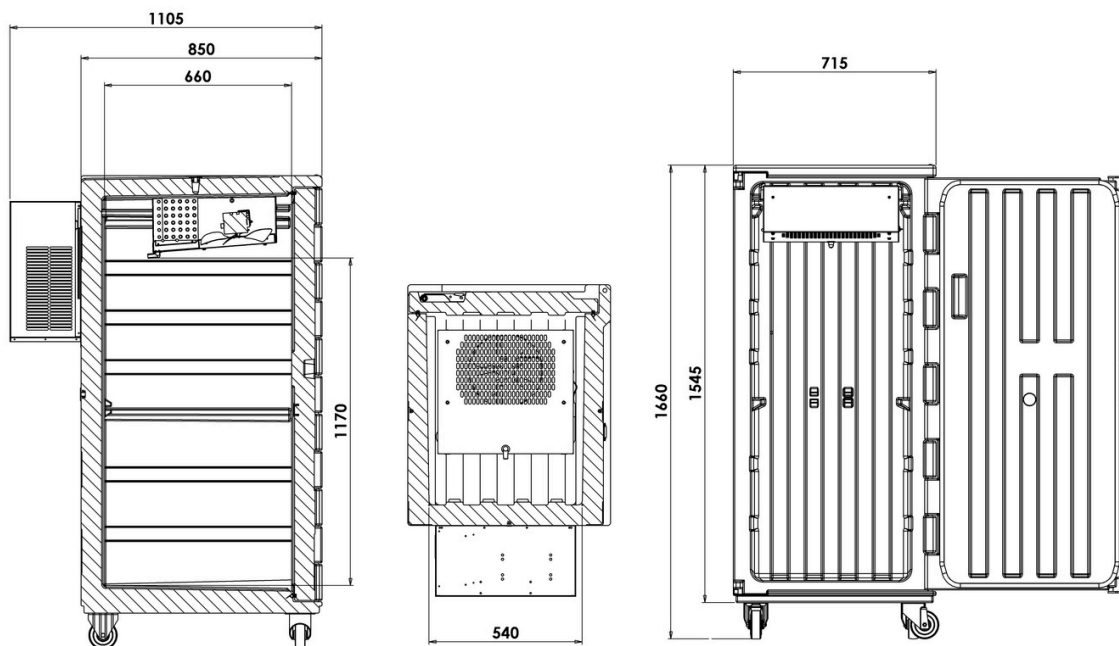
On Top, ventilated positive



Back, ventilated positive



On top, ventilated negative

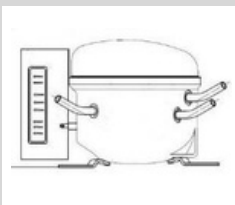


Back, ventilated negative

FEATURES COOLING UNIT



Ventilated cooling unit version for greater 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 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: $\pm 0.5^{\circ}\text{C}$

Refrigerant gas:

- R134a
- R452a

Overall heat transfer coefficient: $K=0.46 \text{ W/m}^2\text{K}$

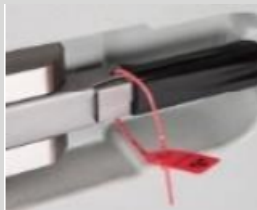
PRODUCT FEATURES



1 seat for housing the grid positioned 60 cm from the bottom of the container. Grill available 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



Available on request the towing set to handle simultaneously more than one carrier



Temperature regulation and control with programmable digital thermostat



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
Top cooling unit, ventilated 0°C to +10°C Version with wheels	K500AFTVDYM1	0,62A at 230Vac 12A at 12Vdc (150 W)	4A for 230Vac 25A for 12Vdc
Back cooling unit, ventilated 0°C to +10°C Version with wheels	K500AFDVDYM1	0,62A at 230Vac 12A at 12Vdc (150 W)	4A for 230Vac 25A for 12Vdc
Top cooling unit, ventilated -18°C to +10°C Version with wheels	K500AFTVCYM1	1A at 230Vac 25A at 12Vdc (300 W)	4A for 230Vac 30A for 12Vdc
Back cooling unit, ventilated -18°C to +10°C Version with wheels	K500AFDVCYM1	1A at 230Vac 25A at 12Vdc (300 W)	4A for 230Vac 30A for 12Vdc
Top cooling unit, ventilated 0°C to +40°C Version with wheels	K500AFTVDZM1	0,62A at 230Vac 12A at 12Vdc (150 W)	4A for 230Vac 25A for 12Vdc
Back cooling unit, ventilated 0°C to +40°C Version with wheels	K500AFDVDZM1	0,62A at 230Vac 12A at 12Vdc (150 W)	4A for 230Vac 25A for 12Vdc
Top cooling unit, ventilated -18°C to +40°C Version with wheels	K500AFTVCZM1	1A at 230Vac 25A at 12Vdc (300 W)	4A for 230Vac 30A for 12Vdc
Back cooling unit, ventilated -18°C to +40°C Version with wheels	K500AFDVCZM1	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	AEA008		3	535x594x20
Plastic folding grid	PAPE0001		1,1	535x594x20
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	RR1141			A5
Floor/vehicle fixing kit (for Basic version)	RR1222			