

# KOALA 500 AF



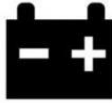






## Refrigerated container for the transport of food/pharmaceutical products at a controlled temperature

- Available in versions:
  - AF: temperature adjustment range: from **-18°C to +10°C**;
  - AFH: with heating kit and temperature adjustment range: from **-18°C to + 40° C**.
- Insulation offered by container walls ensures that the temperature maintenance is guaranteed with a minimum number of ignitions of the cooling unit; this contributes limiting energy consumption.
- Cooling unit is triggered when inner temperature is higher than the temperature set with the programmable digital thermostat.
- In the AFH versions, the heating unit is triggered when inner temperature is lower than the temperature set with the programmable digital thermostat.
- Total compliance with the cold chain at all stages of transport.
- It can be transported using conventional vehicles: it allows you to simultaneously transport chilled, frozen and ambient temperature products using a single non-insulated vehicle.
- Equipped with a low consumption fridge unit.
- It can be powered at 230Vac, using normal mains power.
- Depending on the model, it can be powered at 12Vdc by means of the cable with cigarette lighter plug, or with connection to the battery (or auxiliary battery) of the vehicle, or thanks to the inverter accessory.
- Dual power supply: during the transport, it can be connected via Anderson connector or fork terminal to the battery (or auxiliary battery) of the vehicle and, once at destination, can be connected to the mains current.
- Manufactured using the rotational moulding technology: mono-block container and door (free of sharp edges, joints and welds).
- **Fully recyclable** at the end of its operating life.

### MANUFACTURING MATERIALS

<b>Polyethylene</b>	inner and outer walls of the container and lid; suitable for food contact	<b>Polyurethane</b>	insulating material between the walls of the container and of the lid; free of CFC and HCFC
<b>Silicone</b>	gasket	<b>Rubber and polyamide</b>	castors (rubber tread and polyamide core)
<b>Galvanized steel</b>	cooling unit frame, castors support	<b>Stainless steel</b>	handling handles, locking handle, inner rod of the door, hinge rod

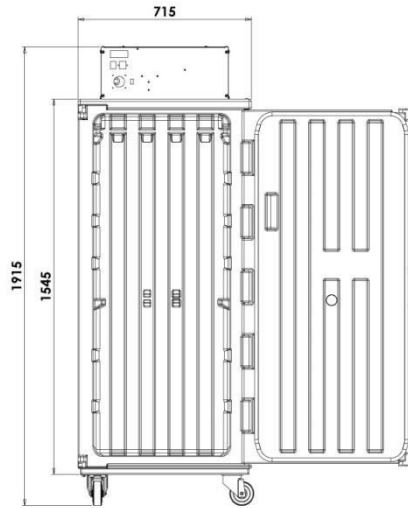
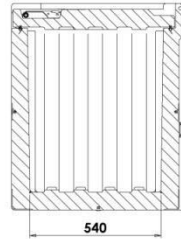
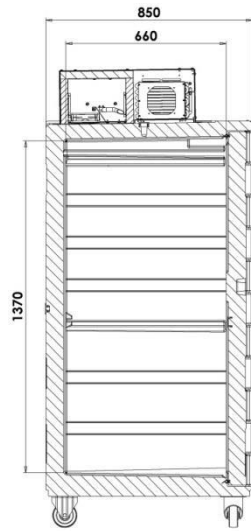
## TECHNICAL CHARACTERISTICS

<p><b>AF Version</b></p>	<ul style="list-style-type: none"> <li>• from 0°C to +10°C</li> <li>• from -18°C to +10°C</li> </ul>	<p><b>AFH Version</b></p>	<ul style="list-style-type: none"> <li>• from 0°C to +40°C</li> <li>• from -18°C to +40°C</li> </ul>
<p><b>+/- 0,5 °C</b></p>	<p>Degree of accuracy in temperature adjustment:</p> <ul style="list-style-type: none"> <li>• +/-0,5 °C</li> </ul>		<p>Protection against voltage drops of the vehicle battery, in case of falling below of the limit value of <b>11V</b></p>
	<p>Equipped with three cables: for power supply to <b>230Vac 50-60Hz</b></p>		<p>For power supply to <b>12Vdc</b></p> <ul style="list-style-type: none"> <li>• with Anderson connectors</li> <li>• with Anderson terminal for connection to the Koala and fork terminals for connection to the battery of the vehicle</li> </ul>
<p><b>GAS</b></p>	<p>Coolant gas:</p> <ul style="list-style-type: none"> <li>• <b>R134a</b> (version 0°C +10/+40°C)</li> <li>• <b>R452A</b> (versions -18°C +10/+40°C)</li> </ul>		<p>Cooling unit performance guaranteed for use at ambient temperature: <b>from +10°C to +32°C.</b> Container (insulated case) guaranteed for use: <b>from -30° to +100°C</b></p>
	<p>The ventilated cooling unit ensures a greater speed and uniformity of diffusion of the cold inside the container</p>		<p>Adjustment and control of the temperature with programmable digital thermostat</p>
	<p>USB data logger available (on request) to record temperature data during transport</p>		<p>Hermetic compressor with electronic control unit for adjustment and control equipped with overvoltage protections</p>

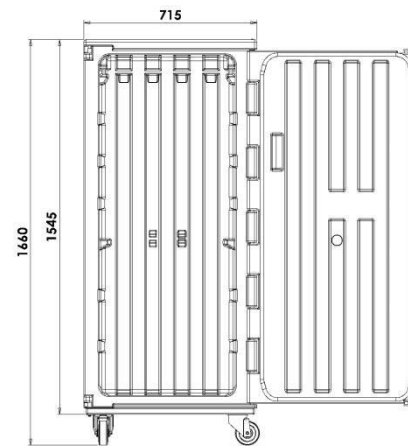
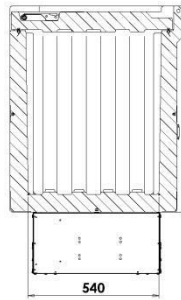
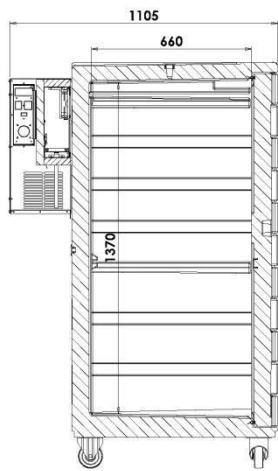
## TECHNICAL CHARACTERISTICS

	<p>1 seat for housing of the grid positioned to 60 cm from the bottom of the container. Grids available on request</p>		<p>Label holder (on request) for the identification of content or destination. Suitable for A5 format documents</p>
	<p>Available (on request) for positive versions 0°C +10/+40°C only, GN 1/1 h 65/100/150/200mm adapters</p>		<p>Stainless steel locking handle with release button; it is prepared for the use of tamper-proof system</p>
	<p>Equipped with 4 rubber-coated castors of 100 mm diameter (2 fixed and 2 swivel of which one equipped with brake). Support runners plate integrated in the container</p>		<p>Available also in the following versions:</p> <ul style="list-style-type: none"> <li>- pallet, with galvanized steel frame and 4 feet h 120mm</li> <li>- feet, with 4 feet h 130mm in galvanized steel</li> </ul>
	<p>Internal grooves improving good air circulation</p>		<p>Door opens up to 270° with door retaining catch</p>
	<p>Easily removable door seal</p>		<p>Stainless steel rod with 2 hooks integrated inside the door</p>
	<p>Available (on request) towing set to move more than one container at the same time</p>		<p>Mono-block structure, no sharp edges, joints and welds</p>
	<p>Insulated with CFC and HCFC-free polyurethane foam</p>	<p><b>K</b></p>	<p>Overall heat transmission coefficient: <b>K=0,53 W/m²K</b></p>

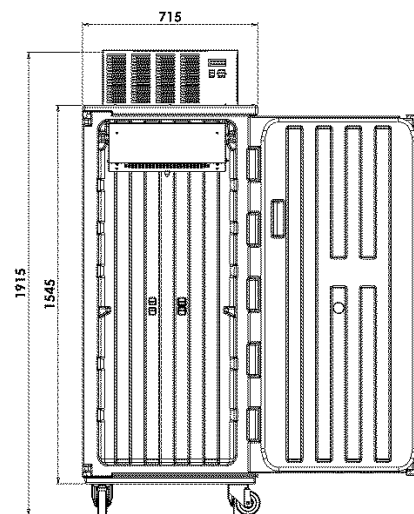
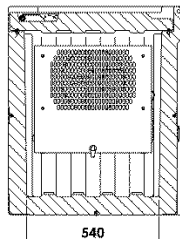
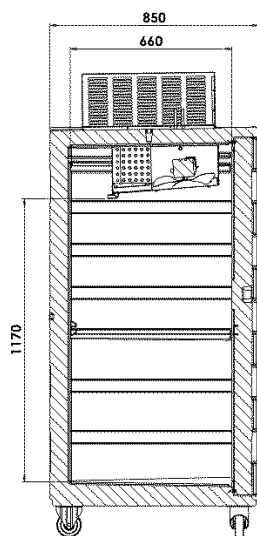
## TECHNICAL SPECIFICATIONS



**Model with cooling unit on top, positive, ventilated**  
**code: K500AFTVDYM1, K500AFTVDZM1**

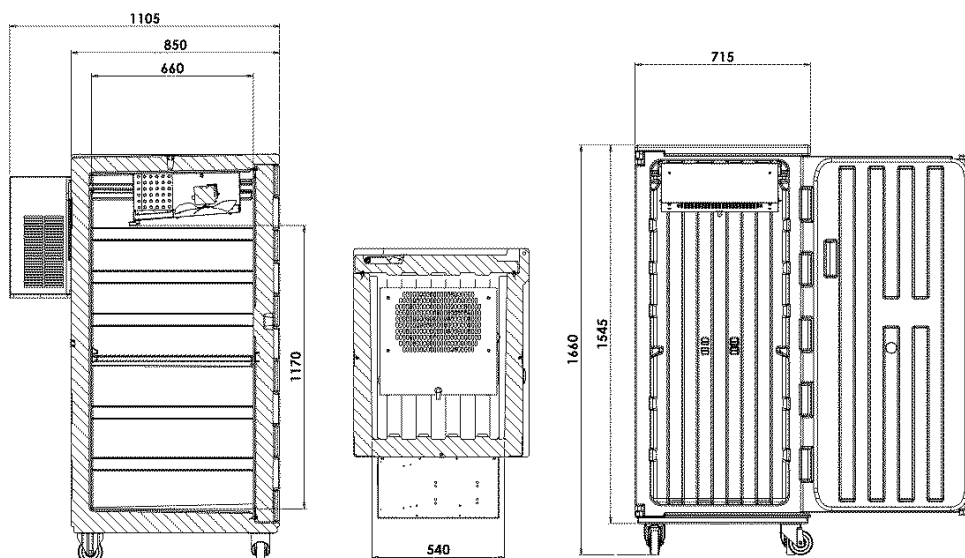


**Model with cooling unit on back, positive, ventilated**  
**code: K500AFDVDYM1, K500AFDVDZM1**



**Model with cooling unit on top, negative, ventilated**  
**code: K500AFTVCYM1, K500AFTVCZM1**

## TECHNICAL SPECIFICATIONS



Model with cooling unit on back, negative, ventilated  
code: K500AFDVCYM1, K500AFDVCZM1

Model	Code	Nominal absorption	Fuses
<b>AF VERSION</b>			
Koala 500 AF cooling unit on top ventilated from 0°C to +10°C	K500AFTVDYM1	<b>0,62A</b> to 230Vac <b>12A</b> to 12Vdc	<b>4A</b> for 230Vac <b>25A</b> for 12Vdc
Koala 500 AF cooling unit on back ventilated from 0°C to +10°C	K500AFDVDYM1	<b>0,62A</b> to 230Vac <b>12A</b> to 12Vdc	<b>4A</b> for 230Vac <b>25A</b> for 12Vdc
Koala 500 AF cooling unit on top ventilated from -18°C to +10°C	K500AFTVCYM1	<b>1A</b> to 230Vac <b>25A</b> to 12Vdc	<b>4A</b> for 230Vac <b>30A</b> for 12Vdc
Koala 500 AF cooling unit on back ventilated from -18°C to +10°C	K500AFDVCYM1	<b>1A</b> to 230Vac <b>25A</b> to 12Vdc	<b>4A</b> for 230Vac <b>30A</b> for 12Vdc
<b>AFH VERSION (with heating kit)</b>			
Koala 500 AFH cooling unit on top ventilated from 0°C to +40°C	K500AFTVDZM1	<b>0,62A</b> to 230Vac <b>12A</b> to 12Vdc	<b>4A</b> for 230Vac <b>25A</b> for 12Vdc
Koala 500 AFH cooling unit on back ventilated from 0°C to +40°C	K500AFDVDZM1	<b>0,62A</b> to 230Vac <b>12A</b> to 12Vdc	<b>4A</b> for 230Vac <b>25A</b> for 12Vdc
Koala 500 AFH cooling unit on top ventilated from -18°C to +40°C	K500AFTVCZM1	<b>1A</b> to 230Vac <b>25A</b> to 12Vdc	<b>4A</b> for 230Vac <b>30A</b> for 12Vdc
Koala 500 AFH cooling unit on back ventilated from -18°C to +40°C	K500AFDVCZM1	<b>1A</b> to 230Vac <b>25A</b> to 12Vdc	<b>4A</b> for 230Vac <b>30A</b> for 12Vdc

Model	Code	Colour	External dim. (mm)	Internal dim. (mm)	Capacity (liters)	Weight (Kg)
Koala 500 AF/AFH <b>cooling unit on top positive ventilated</b>	K500AFTVDYM1 K500AFTVDZM1	melange grey blue	715X850Xh1915	540x660xh1370	500	116
Koala 500 AF/AFH <b>cooling unit on back positive ventilated</b>	K500AFDVDYM1 K500AFDVDZM1	melange grey blue	715X1105Xh1660	540x660xh1370	500	116
Koala 500 AF/AFH <b>cooling unit on top negative ventilated</b>	K500AFTVCYM1 K500AFTVCZM1	melange grey blue	715X850Xh1915	540x660xh1170	416	120
Koala 500 AF/AFH <b>cooling unit on back negative ventilated</b>	K500AFDVDYM1 K500AFDVDZM1	melange grey blue	715X1105Xh1660	540x660xh1170	416	120
<b>ACCESSORIES</b>						
Label holder in polycarbonate	AMC101	transparent	173xh200	148xh210 -A5-		
Grid <b>in stainless steel</b>	AEA008	stainless steel	535x594xh20			3
Grid <b>in plastic</b>	PAPE0001	grey	535x594xh20			1,1
9 runners lower <b>GN adapter</b> (available for positive versions only)	AAA054	stainless steel	555x650xh585			9
9 runners upper <b>GN adapter</b> (available for positive versions only)	AAA055	stainless steel	555x650xh685			9