

# KOALA 780 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. This allows to maintain a constant temperature even in case of very high external temperatures.
- In the AFH versions, the heating unit is triggered when inner temperature is lower than the temperature set with the programmable digital thermostat. This allows to maintain a constant temperature even in case of very low external temperatures.
- Total compliance with the cold chain at all stages of transport.
- It can be transported using conventional vehicles: it allows 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 or it can be connected to the battery (or auxiliary battery) of the vehicle.
- Manufactured using the rotational moulding technology: mono-block container and door (free of sharp edges, joints and welds).
- **Fully recyclable** at the end of the 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, hinge rods, plates connecting rods hinge, castors support	<b>Stainless steel</b>	handling handles, locking handle, inner rod of the door, hinge rod
<b>Polypropylene</b>	hinges		

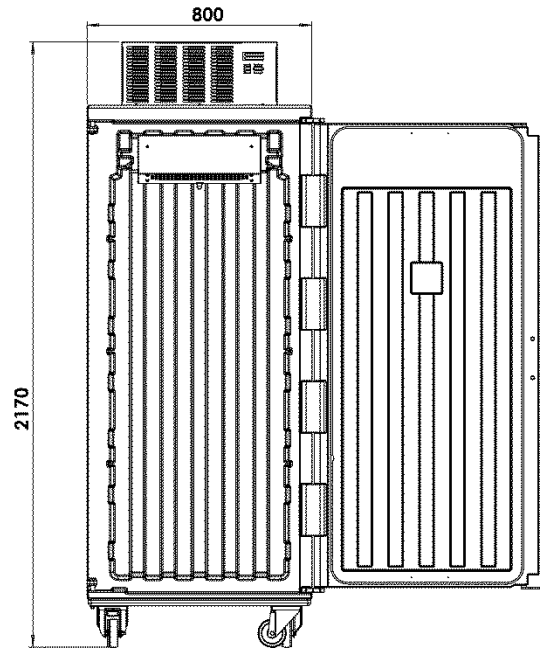
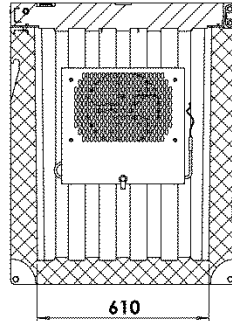
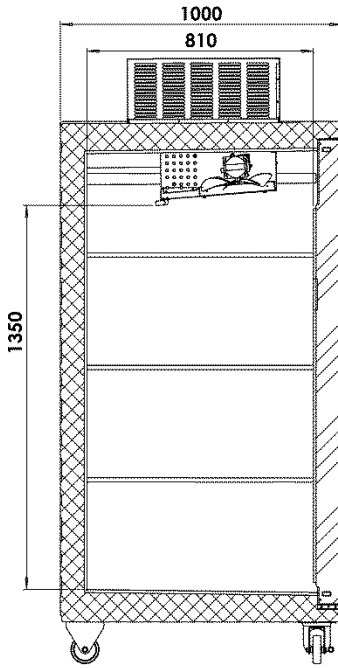
## TECHNICAL CHARACTERISTICS

<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>Cooling unit performance guaranteed for use at ambient temperature:</p> <ul style="list-style-type: none"> <li>• from +10°C to +30°C</li> </ul>		<p>Container (insulated case) guaranteed for use:</p> <ul style="list-style-type: none"> <li>• from -30° to +100°C</li> </ul>
<p><b>GAS</b></p>	<p>Coolant gas:</p> <ul style="list-style-type: none"> <li>• <b>R452A</b></li> </ul>		<p>Hermetic compressor with electronic control unit for adjustment and control equipped with overvoltage protections</p>
	<p>The ventilation system 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>3 seat for housing of the grids positioned to 385/785/1185mm from the bottom of the container. Grids available on request</p>

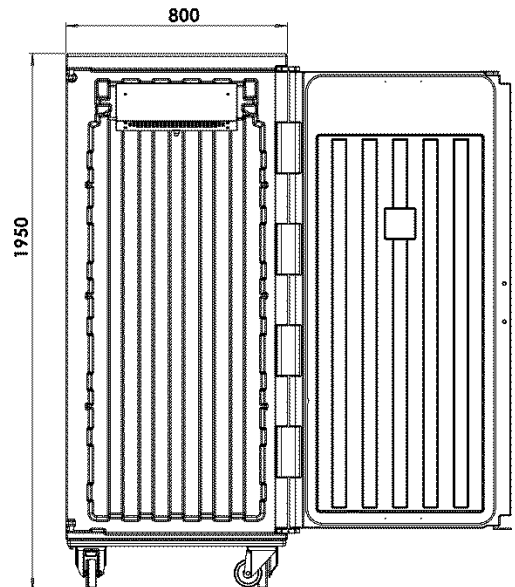
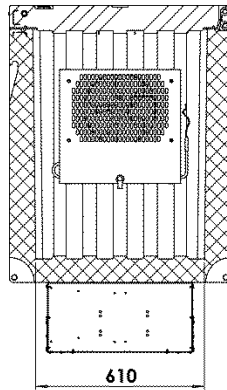
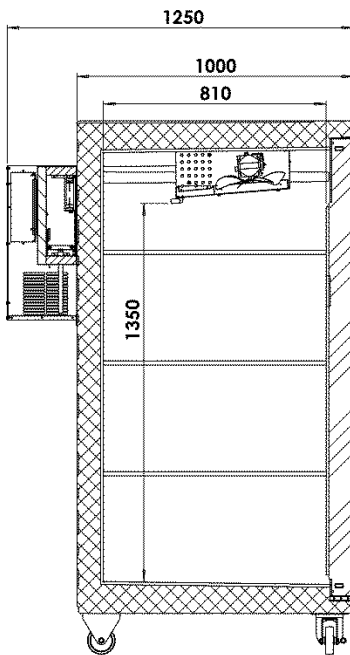
## TECHNICAL CHARACTERISTICS

	<p>Stainless steel locking handle with release button; it is prepared for the use of tamper-proof system</p>		<p>Mono-block structure, no sharp edges, joints and welds</p>
	<p>Equipped with 4 rubber coated castors of 125 mm (2 fixed and 2 swivel of which one equipped with brake). Support runners plate integrated in the container</p>		<p>Possibility to insert:</p> <ul style="list-style-type: none"> <li>- Pallets with galvanized steel frame 6 feet h 120 mm</li> <li>- 4 feet h 120mm in galvanized steel</li> </ul>
	<p>Label holder (on request) for the identification of the content or destination. Suitable for A5 format documents</p>		<p>Double-pivot hinge system. Better door stability over time</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>Internal grooves improving good air circulation</p>
	<p>Insulated with CFC and HCFC-free polyurethane foam</p>		

**TECHNICAL SPECIFICATIONS**



**Model with cooling unit on top ventilated**  
**code: K780AFTVDYM1, K780AFTVDZM1, K780AFTVCYM1, K780AFTVCZM1**



**Model with cooling unit on back ventilated**  
**code: K780AFDVDYM1, K780AFDVDZM1, K780AFDVCYM1, K780AFDVCZM1**

Model	Code	Nominal absorption	Fuses			
<b>AF VERSION</b>						
Koala 780 AF cooling unit on top ventilated from 0°C to +10°C	K780AFTVDYM1	1A a 230Vac 20A a 12Vdc	4A per 230Vac 30A per 12Vdc			
Koala 780 AF cooling unit on back ventilated from 0°C to +10°C	K780AFDVDYM1	1A a 230Vac 20A a 12Vdc	4A per 230Vac 30A per 12Vdc			
Koala 780 AF cooling unit on top ventilated from -18°C to +10°C	K780AFTVCYM1	1A a 230Vac 20A a 12Vdc	4A per 230Vac 30A per 12Vdc			
Koala 780 AF cooling unit on back ventilated from -18°C to +10°C	K780AFDVCYM1	1A a 230Vac 20A a 12Vdc	4A per 230Vac 30A per 12Vdc			
<b>AFH VERSION (with heating kit)</b>						
Koala 780 AFH cooling unit on top ventilated from 0°C to +40°C	K780AFTVDZM1	1A a 230Vac 20A a 12Vdc	4A per 230Vac 30A per 12Vdc			
Koala 780 AFH cooling unit on back ventilated from 0°C to +40°C	K780AFDVDZM1	1A a 230Vac 20A a 12Vdc	4A per 230Vac 30A per 12Vdc			
Koala 780 AFH cooling unit on top ventilated from -18°C to +40°C	K780AFTVCZM1	1A a 230Vac 20A a 12Vdc	4A per 230Vac 30A per 12Vdc			
Koala 780 AFH Cooling unit on back ventilated from -18°C to +40°C	K780AFDVCZM1	1A a 230Vac 20A a 12Vdc	4A per 230Vac 30A per 12Vdc			
Model	Code	Colour	External dim. (mm)	Internal dim. (mm)	Capacity l	Weight Kg
Koala 780 AF/AFH cooling unit on top ventilated		melange grey blue	800X1000Xh2170	610x810xh1350	610	145
Koala 780 AF/AFH cooling unit on back ventilated		melange grey blue	800X1250Xh1950	610x810xh1350	610	145
<b>ACCESSORIES</b>						
Label holder	AMC101	trasparent	173xh200	148xh210 -A5-		
Grid in stainless steel	AEA019	stainless steel	647x790xh16			4,3