

# Koala 140 AF



ATP



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

- Available in versions:
  - AF: temperature adjustment range: from -30°C to +10°C;
  - AFH: with heating kit and temperature adjustment range: from -30°C to +40°.
- 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.
- Dual power supply: during the transport, it can be connected via cigarette lighter plug, 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 the operating life.

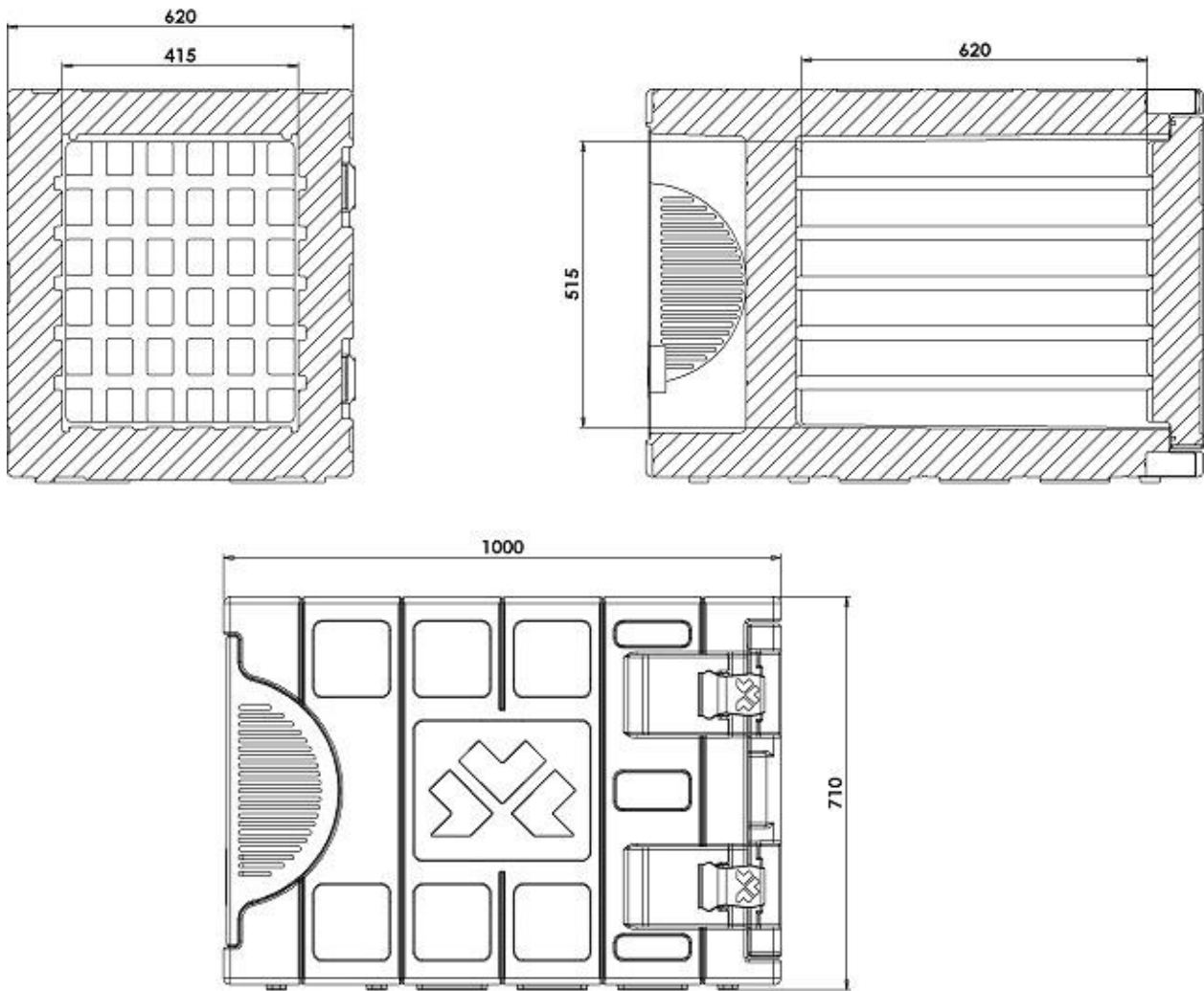
### MANUFACTURING MATERIALS

<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>Polyamide and fiberglass</b>	clasp
<b>Stainless steel</b>	grip handles	<b>Aluminum</b>	Cooling unit frame and hinge

## 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> <li>• from -25°C to +10°C</li> <li>• from -30°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> <li>• from -25°C to +40°C</li> <li>• from -30°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:</p> <p>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> </ul>
	<p>For power supply to <b>12Vdc</b></p> <ul style="list-style-type: none"> <li>• with Anderson terminal for connection to the Koala and with cigarette lighter plug on the other end of the cable</li> <li>• with Anderson terminal for connection to the Koala and fork terminals for connection to the battery of the vehicle</li> </ul> <p>(depending on the versions, see table in technical data for detailed information)</p>		<ul style="list-style-type: none"> <li>• Cooling unit performance guaranteed for use at ambient temperature: <b>from +10°C to +32°C</b></li> <li>• Container (insulated case) guaranteed for use: <b>from -30° to +100°C</b></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 -25°C +10/+40°C -30°C +10/+40°C)</li> </ul>		<p>Adjustment and control of the temperature with programmable digital thermostat</p>
	<p>Cooling unit equipped with a "roll-bond" static evaporator</p>		<p>Integrated stainless steel handles</p>
	<p>Closing hooks in shockproof material</p>		<p>Easily removable door seal</p>
	<p>Equipped with opening door up to 240 ° and easily removable, to facilitate washing operations</p>		<p>5 seats to house grids located at 62/152/242/332/422 mm from the base of the container. Grids available on request</p>
	<p>Monolithic structure, no sharp corners, junctions and welds</p>		<p>Stainless steel grid for load allocation, available upon request</p>
	<p>Insulated with CFC and HCFC-free polyurethane foam</p>		<p>Stainless steel interlocking kit available to interlock two stacked containers</p>
<p><b>K</b></p>	<p>Heat transfer global coefficient: <b>K=0.34 W/m²K</b></p>		<p>USB data logger available (on request) to record temperature data during transport</p>

## TECHNICAL SPECIFICATIONS



Model	Code	12V power supply Fork terminal	12V power supply Cigarette lighter socket	Nominal absorption	Fuses
<b>AF VERSION</b>					
Koala 140 AF from 0°C to +10°C	K140AFISDYM0		✓	<b>0,35A</b> to 230Vac <b>7A</b> to 12Vdc	<b>4A</b> for 230Vac <b>15A</b> for 12Vdc
Koala 140 AF from -18°C to +10°C	K140AFISCYM0	✓		<b>1A</b> to 230Vac <b>18A</b> to 12Vdc	<b>4A</b> for 230Vac <b>30A</b> for 12Vdc
Koala 140 AF from -25°C to +10°C	K140AFISBYM0	✓		<b>1A</b> to 230Vac <b>18A</b> to 12V dc	<b>4A</b> for 230Vac <b>30A</b> for 12Vdc
Koala 140 AF from -30°C to +10°C	K140AFISAYM0	✓		<b>1A</b> to 230Vac <b>18A</b> to 12Vdc	<b>4A</b> for 230Vac <b>30A</b> for 12Vdc

Model	Code	12V power supply Fork terminal	12V power supply Cigarette lighter socket	Nominal absorption	Fuses
<b>AFH VERSION (with heating kit)</b>					
Koala 140 AFH from <b>0°C to +40°C</b>	K140AFISDZM0		✓	<b>0,35A</b> to 230Vac <b>7A</b> to 12Vdc	<b>4A</b> for 230Vac <b>15A</b> for 12Vdc
Koala 140 AFH from <b>-18°C to +40°C</b>	K140AFISCZM0	✓		<b>1A</b> to 230Vac <b>18A</b> to 12V dc	<b>4A</b> for 230Vac <b>30A</b> for 12V dc
Koala 140 AFH from <b>-25°C to +40°C</b>	K140AFISBZM0	✓		<b>1A</b> to 230Vac <b>18A</b> to 12V dc	<b>4A</b> for 230Vac <b>30A</b> for 12V dc
Koala 140 AFH from <b>-30°C to +40°C</b>	K140AFISAZM0	✓		<b>1A</b> to 230Vac <b>18A</b> to 12V dc	<b>4A</b> for 230Vac <b>30A</b> for 12V dc

Model	Code	Colour	External dim. (mm)	Internal dim. (mm)	Capacity (liters)	Weight (Kg)
Koala 140 AF/AFH		melange grey blue	620x1000xh710	415x620xh515	135	46
<b>ACCESSORIES</b>						
Grid in stainless steel	AEA030	stainless steel	425x620xh12			2
Trolley in galvanized steel	AIB005	galvanized steel				8
Locking kit - 2 latches -	RRI137					1,2



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Koala140\_front\_opening\_portable\_refrigerator\_Rev2\_GB