



## 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 (particularly thick), ensures that the temperature maintenance is guaranteed with a minimum number of ignitions of the cooling unit; this contributes limiting energy consumption.
- Easy to transport by car and easy to handle thanks to the dimensions and weight content.
- Cooling unit is triggered when internal 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 ASH versions, the heating unit is triggered when internal 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 source: during transport can be connected to the battery (or auxiliary battery) of the vehicle and, at the destination, can be connected to mains power.
- 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.

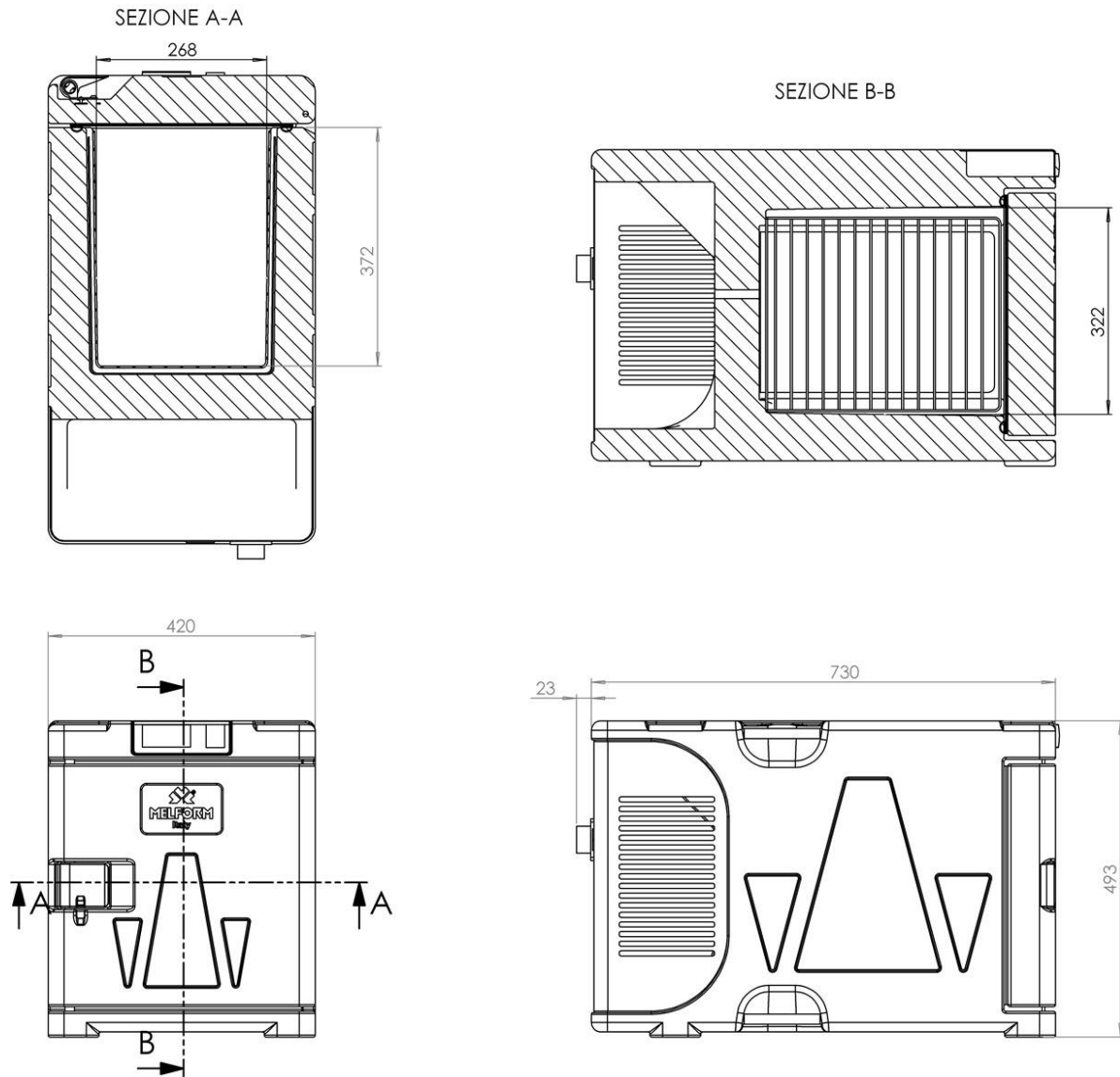
### MANUFACTURING MATERIALS

|                     |   |                        |   |
|---------------------|---|------------------------|---|
| <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>     | seal  | <b>Stainless steel</b> | handle and closing hooks, grip handles  |
| <b>Aluminum</b>     | carter, control panel   |                        |   |

## TECHNICAL CHARACTERISTICS

|   |   |  |  |
|---|---|--|--|
| <p><b>AF<br/>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<br/>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 two cables:</p> <ul style="list-style-type: none"> <li>• for power supply to <b>230Vac 50-60Hz</b>.</li> </ul>   |    |  |
|    |   |     | <ul style="list-style-type: none"> <li>• Cooling unit performance guaranteed for use at ambient temperature: <b>from +10°C a +30°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><br/>(version 0°C +10/+40°C;<br/>-18°C +10/+40°C;<br/>-25°C +10/+40°C)</li> <li>• <b>R452A</b><br/>(version -30°C +10/+40°C).</li> </ul> |   | <p>Cooling unit equipped with a "roll-bond" static evaporator.</p>   |
|  | <p>Adjustment and control of the temperature with programmable digital thermostat</p>   |  | <p>Hermetic compressor with electronic control unit for adjustment and control equipped with overvoltage protection</p>  |
|  | <p>Hinges integrated in the container</p>   |  | <p>Adjustable vent valve</p>   |
|  | <p>Stainless steel grip handles integrated into the body</p>  |  | <p>Practical and resistant closing system</p>  |
|  | <p>Evaporator protection internal grid made of plasticised metal wire</p>   |  | <p>Monobloc structure, without edges, joints and welding</p>   |
|  | <p>Door seal gasket fixed with stainless steel points</p>   |  | <p>Stainless steel locking kit available for fixing between them two stacked containers (height 2 KOALA stacked: 980mm)</p>  |
|  | <p>Available (on request) USB datalogger to record temperature data during transport</p>  |  | <p>Insulated with CFC and HCFC-free polyurethane foam</p>  |

## TECHNICAL SPECIFICATIONS



| Model                                     | Code        | 12V<br>Power supply<br>Fork terminal | 12<br>Power supply<br>Cigarette<br>lighter socket | Nominal<br>absorption                         | Fuses  |
|---|-------------|--------------------------------------|---|---|--|
| <b>AF VERSION</b>                         |             |                                      |   |   |  |
| Koala 32 AF<br>from <b>0°C to +10°C</b>   | K32AFISDYM0 |                                      | ✓   | <b>0,35A</b> to 230Vac<br><b>7A</b> to 12Vdc  | <b>4A</b> for 230Vac<br><b>15A</b> for 12Vdc |
| Koala 32 AF<br>from <b>-18°C to +10°C</b> | K32AFISCYM0 | ✓                                    |   | <b>0,62A</b> to 230Vac<br><b>12A</b> to 12Vdc | <b>4A</b> for 230Vac<br><b>25A</b> for 12Vdc |
| Koala 32 AF<br>from <b>-25°C to +10°C</b> | K32AFISBYM0 | ✓                                    |   | <b>0,62A</b> to 230Vac<br><b>12A</b> to 12Vdc | <b>4A</b> for 230Vac<br><b>25A</b> for 12Vdc |
| Koala 32 AF<br>da <b>-30°C a +10°C</b>    | K32AFISAYM0 | ✓                                    |   | <b>1A</b> to 230Vac<br><b>18A</b> to 12Vdc    | <b>4A</b> for 230Vac<br><b>30A</b> for 12Vdc |

| Model                                      | Code        | 12V power supply<br>Fork terminal | 12V power supply<br>Cigarette lighter socket | Nominal absorption                            | Fuses  |
|--|-------------|-----------------------------------|--|---|--|
| <b>AFH VERSION AFH (with heating kit)</b>  |             |                                   |  |   |  |
| Koala 32 AFH<br>from <b>0°C to +40°C</b>   | K32AFISDZM0 |                                   | ✓  | <b>0,35A</b> to 230Vac<br><b>7A</b> to 12Vdc  | <b>4A</b> for 230Vac<br><b>15A</b> for 12Vdc |
| Koala 32 AFH<br>from <b>-18°C to +40°C</b> | K32AFISCZM0 | ✓                                 |  | <b>0,62A</b> to 230Vac<br><b>12A</b> to 12Vdc | <b>4A</b> for 230Vac<br><b>25A</b> for 12Vdc |
| Koala 32 AFH<br>from <b>-25°C to +40°C</b> | K32AFISBZM0 | ✓                                 |  | <b>0,62A</b> to 230Vac<br><b>12A</b> to 12Vdc | <b>4A</b> for 230Vac<br><b>25A</b> for 12Vdc |
| Koala 32 AFH<br>from <b>-30°C to +40°C</b> | K32AFISAZM0 | ✓                                 |  | <b>1A</b> to 230Vac<br><b>18A</b> to 12Vdc    | <b>4A</b> for 230Vac<br><b>30A</b> for 12Vdc |

| Model                            | Code   | Colour               | External dim.<br>(mm) | Internal dim.<br>(mm) | Capacity<br>l | Weight<br>Kg |
|----------------------------------|--------|----------------------|-----------------------|-----------------------|---------------|--------------|
| Koala 32 AF/AFH                  |        | melange<br>grey blue | 420x753xh493          | 268x372xh322          | 32            | 30           |
| <b>ACCESSORIES</b>               |        |                      |                       |                       |               |              |
| Locking kit<br><b>2 closures</b> | RRI137 |                      |                       |                       |               | 1,2          |



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