KOALA GREEN 140 AF

Self-powered refrigerated container with removable battery

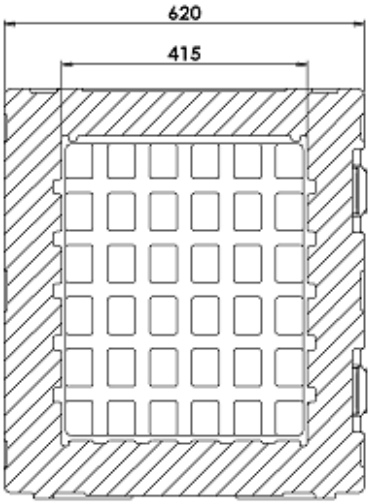
- Available in versions:
  - **AF: with temperature adjustment range between -30°C** e **+10°C**;
  - **AFH: with heating kit and temperature adjustment range between -30°C** e **+40°C**.
- Available with 65Ah or 100Ah battery LiFePO4.
- The battery can be recharged connecting Koala Green to the usual 230Vac main power for about 8/10 hours. In alternative, a practical counter allows to remove the battery from the cooling unit and recharge it with a dedicated external power supply.
- The battery LiFePO4 stores the energy necessary for the power supply of cooling unit. Once recharged, the battery gives the container autonomy. The autonomy duration depends on the battery amperage, the features of the refrigerated container, the size of the load, the temperature setting and the ambient temperature.
- The insulation provided by the container walls guarantees the temperature maintenance with a minimum number of ignitions of the cooling unit and this helps to limit the energy consumption.
- In the positive versions the static cooling unit ensures a reduced electricity consumption. In the negative versions, the ventilated cooling unit ensures a faster and more uniform temperature achievement inside the container.
- The cooling unit comes into operation when the internal temperature is higher than the temperature set by programmable digital thermostat. This allows the temperature to be maintained at a constant level, even at very cold external temperatures.
- In AFH versions the cooling unit starts working when the internal temperature is lower than the temperature set by the programmable digital thermostat. This allows to keep the temperature constant even in very cold external temperatures.
- Total maintenance of the required temperature at all stages of transport.
- Equipped with a low-consumption cooling unit.
- It can be powered at 230Vac using normal main 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 its operation life.

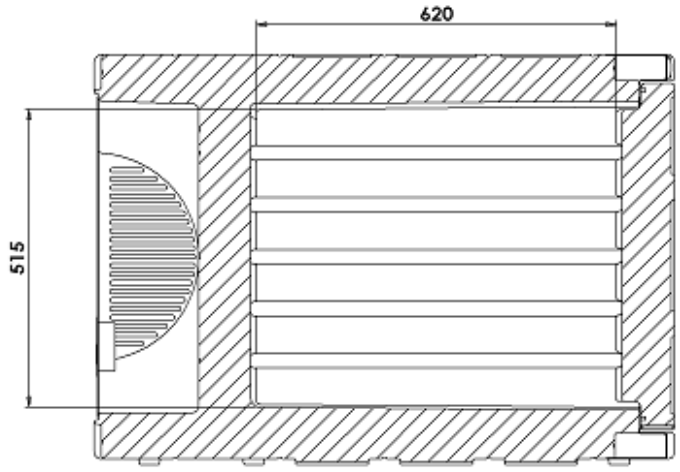
MANUFACTURING MATERIALS

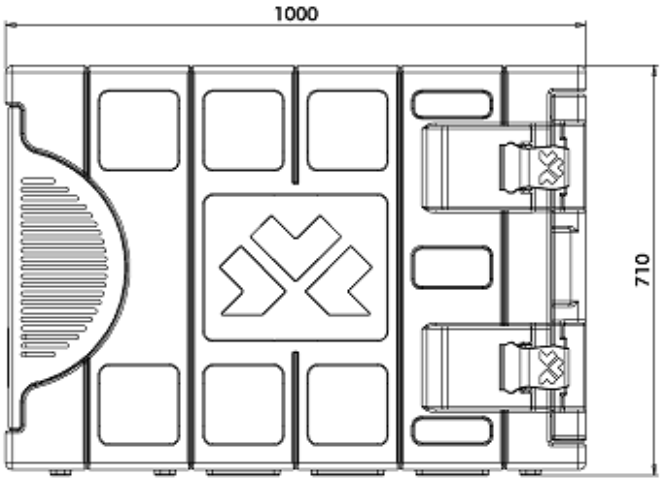
Polyethylene	inner and outside walls of the container and the door; suitable for food contact.	**Polyurethane**	insulating material between the walls of the container andof the door, free of CFC and HCFC
Silicon rubber	gasket	**Polyamide and rubber**	latches
Stainless Steel	handles	**Stainless steel**	Casing and hinges

TECHNICAL FEATURES			
AF model	• **0°C +10°C** • **-18°C +10°C** • **-25°C +10°C** • **-30°C +10°C**	**AFH model**	• **0°C +40°C** • **-18°C +40°C** • **-25°C +40°C** • **-30°C +40°C**
+/- 0,5 °C	Degree of accuracy in temperature control: **+/-0,5 °C**		Performance of the cooling unit for use at ambient temperature: **+10°C +32°C** Container (insulated case) guaranteed for use: **–30°C +100°C**
	Equipped with cable for power supply to **230Vac** 50-60Hz of the cooling unit and for recharging the battery.	**GAS**	• **R134a** (version 0°C +10/+40°C) • **R452A** (version -18°C +10/+40°C -25°C +10/+40°C -30°C +10/+40°C)
	Insulated with CFC and HCFCfree polyurethane foam		Adjustment and control of the temperature with programmable digital thermostat.
	Battery indicator displays: • Battery voltage (V) • Input/output current (A) • Input/output power (W) • Amperhours (Ah) consumed • Charging status (%) • Remaining autonomy (h)		Removable battery for easy replacement and recharging with external power supply. Battery storage limit temperature: **-20°C +60°C**
	Static versions equipped with astatic evaporator "roll-bond"		Stainless steel integrated carry handles.
	Shockproof closures		Easily removable door seal
	Door openable up to 240°, with hinge integrated in the container		5 seats to house grids located at 62/152/242/332/422 mm from the base of the container. Grids available on request.
	Mono-block structure, no sharp edges, joints and welds		Stainless steel grid for load allocation, available upon request.
K	Overhall heat transmission coeffient: **K=0,35 W/m²K**		Stainless steel interlocking kit to secure two stacked containers.
	USB datalogger available on request to record temperaturedata during transport.		EVlink module with Bluetooth interface available on request.

TECHNICAL SPECIFICATIONS







MODEL	Code	Nominal Absorption to 230Vac (A)	Fusible 230Vac (A)	External dim. (mm)	Internal dim. (mm)	Weight (kg)
AF VERSION						
Koala Green 140 AF **0°C +10°C**	K140AFISDYM0	**0,35**	**4A**	620x1000xh710	415x620xh515	46
Koala Green 140 AF **-18°C +10°C**	K140AFISCYM0	**1A**	**4A**	620x1000xh710	415x620xh515	46
Koala Green 140 AF **-25°C +10°C**	K140AFISBYM0	**1A**	**4A**	620x1000xh710	415x620xh515	46
Koala Green 140 AF **-30°C +10°C**	K140AFISAYM0	**1A**	**4A**	620x1000xh710	415x620xh515	46
AFH VERSION (with heating kit)						
Koala Green 140 AFH **0°C +40°C**	K140AFISDZM0	**0,35**	**4A**	620x1000xh710	415x620xh515	46
Koala Green 140 AFH **-18°C +40°C**	K140AFISCZM0	**1A**	**4A**	620x1000xh710	415x620xh515	46
Koala Green 140 AFH **-25°C +40°C**	K140AFISBZM0	**1A**	**4A**	620x1000xh710	415x620xh515	46
Koala Green 140 AFH **-30°C +40°C**	K140AFISAZM0	**1A**	**4A**	620x1000xh710	415x620xh515	46

BATTERY	Code	Weight (kg)
Battery 65Ah	EPKIT65	9.5
Battery 100Ah	EPKIT100	14.5

ACCESSORIES	Code	External dim. (mm)	Internal dim. (mm)	Weight (kg)
Stainless steel grid	AEA030	425x620xh12		2
Trolley	AIB005			8
Locking kit	RRI137			
Additional battery kit 65Ah	BATT65AH			
Additional battery kit 100Ah	BATT100AH			
Battery charger 10A	CHARGER10A			

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