

Refrigerated container KOALA 150

17/01/2025 - Rev.2



ATP



Refrigerated container for the transport of products at temperature-controlled

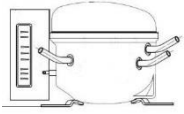
- Brand: MELFORM
- Country of origin: ITALY
- Customs code: 84181080
- ATP Certificate
- Compatible with food contact
- Color: grey/blu
- Dual power supply: 12Vdc and 230Vac
- Technology: rotomoulding
- Warranty: 24 months
- Fully recyclable at the end of its operational life.

MANUFACTURING MATERIALS

Polyethylene	internal and external walls of the container and door; suitable for food contact	Polyurethane	insulating material between the walls of the container and the door, free of CFC and HCFC
Silicone rubber	gasket	Glass fiber reinforced polyamide	hinges, closures
Galvanized steel	Carter	Stainless steel	gripping handles

Model	Code product	Code EAN	Ext. dim. (mm)	Int. dim. (mm)	Capacity (liters)	Weight (kg)
Back cooling unit, static 0°C +10/+40°C	K150AFDSDYM0 K150AFDSDZM0	8022949177553 8022949177720	570x950xh690	430x650xh520	148	37
Top cooling unit, static 0°C +10/+40°C	K150AFTSDYM0 K150AFTSDZM0	8022949177829 8022949177454	570x790xh850	430x650xh520	148	37
Back cooling unit, ventilated 0°C +10/+40°C	K150AFDVDYM0 K150AFDVDZM0	8022949177232 8022949177911	570x1045xh690	430x650xh530	148	55
Top cooling unit, static -25°C, +10/+40°C	K150AFDSBYM0 K150AFDSBZM0	8022949177812 8022949177119	570x1045xh690	430x650xh520	148	55

FEATURES COOLING UNIT

	Cooling unit static version equipped with "roll-bond" type static evaporator		Ventilated versions (available with refrigeration unit only on the back). The ventilation system ensures a greater speed of achievement and uniformity of temperature inside the container
	Hermetic compressor with electronic control unit for regulation and control equipped with surge protection		Guaranteed cooling unit performance for ambient T-use: +10°C to +30°C Container (isothermal body) guaranteed for use: -30°C to +100°C
	Cables 230Vac 50-60Hz power supply (standard equipment)		Cables for 12Vdc power supply with Anderson terminals (standard equipment)
	Cables for 12Vdc power supply with Anderson terminal on the KOALA side and cigarette lighter plug (depending on model)		Cables for 12Vdc power supply with Anderson terminal on the KOALA side and fork terminal for connection to the vehicle battery (depending on model)
Degree of accuracy: +/-0.5 °C Refrigerant gas: R134a (versions 0°C +10/+40°C); R452a (versions -25°C +10/+40°C) Overall heat transfer coefficient: K=0.48 W/m²K			

PRODUCT FEATURES

	Equipped with a door that can be opened up to 240° and easily removable, to facilitate washing operations		Practical and effective closing system, consisting of two locking hooks in shockproof material and an internal door seal that can be easily dismantled
	Equipped with hinges made of shockproof and stress-resistant material		Door sealing gasket easily removable
	Equipped with adjustable relief valve		Temperature regulation and control with programmable digital thermostat
	Integrated stainless steel gripping handles		Monobloc structure, without edges, joints and welds
	Polyethylene trolley (static versions 0°C + 10/+40°C): • load capacity 200 Kg; • 4 anti-trace rubber wheels and PP core • Diam wheels: 125 mm • 2 fixed wheels • 2 swivel wheels, including 1 with brake		Available, on request, set of uprights and support guides for housing GN pans or grids, EN trays or grids and pastry trays 600x400mm
	USB datalogger available (on request) to record temperature data during transport		RFID systems for traceability

Model	Product code	Feeding 12V Fork terminal	Feeding 12V Cigarette lighter plug	Absorption nominal	Fuses
Back cooling unit, static 0°C +10°C	K150AFDSDYM0		✓	0.35A at 230Vac 7A at 12Vdc (85 W)	4A for 230Vac 15A for 12Vdc
Top cooling unit, static 0°C +10°C	K150AFTSDYM0		✓	0.35A at 230Vac 7A at 12Vdc (85 W)	4A for 230Vac 15A for 12Vdc
Back cooling unit, ventilated 0°C +10°C	K150AFDVDYM0	✓		0.62A at 230Vac 12A at 12Vdc (150 W)	4A for 230Vac 25A for 12Vdc
Back cooling unit, static -25°C +10°C	K150AFDSBYM0	✓		1A at 230Vac 18A at 12Vdc (220 W)	4A for 230Vac 30A for 12Vdc
Back cooling unit, static 0°C +40°C	K150AFDSDZM0		✓	0.35A at 230Vac 18.7A at 12Vdc (85 W)	4A for 230Vac 15A for 12Vdc
Top cooling unit, static 0°C +40°C	K150AFTSDZM0		✓	0.35A at 230Vac 7A at 12Vdc (85 W)	4A for 230Vac 15A for 12Vdc
Back cooling unit, ventilated 0°C +40°C	K150AFDVDZM0	✓		0.62A at 230Vac 12A at 12Vdc (150 W)	4A for 230Vac 25A for 12Vdc
Back cooling unit, static -25°C +40°C	K150AFDSBZM0	✓		1A at 230Vac 18A at 12Vdc (220 W)	4A for 230Vac 30A for 12Vdc

ACCESSORIES	Amperage	Weight (Kg)	Dim. (mm)	Code
Support guides		2		ABA302
GN Adapters with two pairs of guides GN		4,9		RR1237
Self-supporting stainless steel grid		3	430x630x262	AEA012
GN stainless steel grid		1,3	530x325x12	AEA020
Modular fixing kit		1,2		RR1139
Expanding card holder		0,05	A5	RR1170
Floor/vehicle fixing kit				RR1144
Polyethylene trolley (for static versions)		7	625x845x210	THS30006
Power bank charger 12V for KOALA	100 Ah	22	345x315xh340	ePB100A01
Power bank charger 12V for KOALA	120 Ah	26	345x315xh340	ePB120A01
Power bank charger 12V for KOALA	150 Ah	28	345x315xh340	ePB150A01
USB Data Logger Range -30°C +70°C				AFG007

