

REFRIGERATOR TRAILER

Electric assistance trailer with Kaptor© K-Ryole technology.
Refrigerated box with certified active cold and secure rear door.



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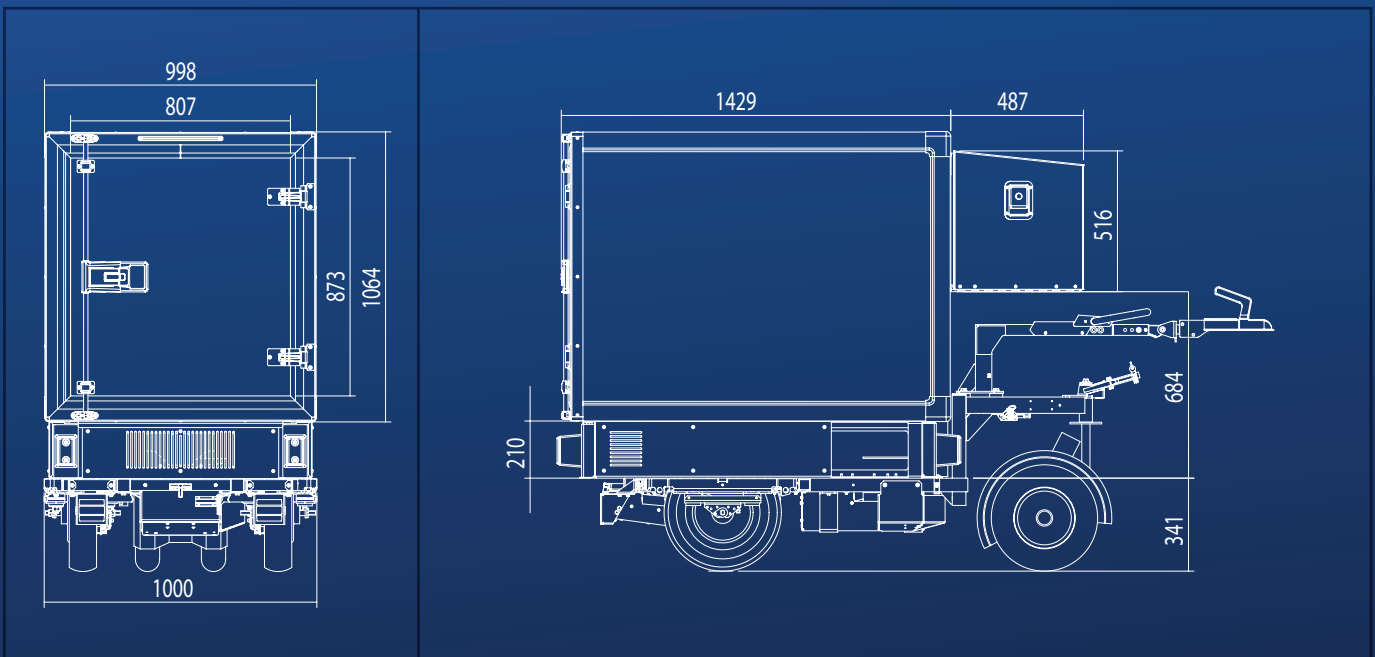


OPERATION



- 1 Control equipment**
Machine management keypad, handle and bike attachment, Kaptor sensor, Keypad for cold unit management
- 2 Anti-theft**
Motor, rear doors and battery rack locks (RFID system)
- 3 Propulsion**
2 wheel drive (3000 W)
- 4 Braking system**
Electric braking, Hydraulic parking brake
- 5 Suspension**
Shock absorber spring assembly, Silent block
- 6 Headlights**
Position, brakes and reverse lights

DIMENSIONS



MAIN FEATURES			
Bodywork			Refrigerator box
Use			Hand / Bicycle
Warranty			2 years
TECHNICAL FEATURES			
Materials			6060 T6 tubular aluminium frame
Electric motor			2 DC wheel motors
Power			2 x 1500 W
Empty vehicle weight			295 kg
Length / Width / Height (drawbar folded)			2222 x 1000 x 1610 mm
Wheels	Front	Dimensions	8 inch rim
		Tyre	8"x3" Tubeless
	Rear	Type	Wheel hub motor rim
		Dimensions	10 inches
		Tyre	Reinforced tyre 100/90 tubeless (100/90 R10 6J TL RF)
Technology	International patent		Kaptor K-Ryole : FR3048223B1
	Force Cancellation Algorithm Calculation Period		Motors speed refresh rate 100 times per second
PERFORMANCE			
Door			Rear door
Maximum speed	Hand mode		7 km/h
	Bicycle mode		19 km/h
Max payload	Weight		Up to 150 kg
	Refrigerated volume		900 l
	Dry compartment volume		125 l
Slope Easy stopping or starting on a slope	4%		Payload 150 kg
	7%		Payload 150 kg
	11%		Payload 50 kg
Battery	Battery Type		NMC Lithium batteries (rackable)
	Capacity		1.6 kWh
	Range / unit		+/- 30-40 km
	Charging time		4 h on 220 V mains
	Operating temperature		-10 – 45° C
REFRIGERATOR UNIT			
Temperature			Ventilated cold class A +12° – 0° C
Certification			ATP Cemafruid FNA 03/2022
Type of fluid			R134A refrigerant
Unit length/width/height	internal dimensions		1196 x 824 x 740 mm
	External dimensions		1390 x 990 x 1056 mm
Battery unit	Battery type		Lithium battery 12 V – 200 Ah
	Range		6-8 h depending on the weather and the number of door openings
	Charging time		5 h
	Compatible sockets		Mains 220 V
SAFETY			
Brakes	Braking system		Electric braking
	Parking brake		Hydraulic brake
Braking distance (bicycle mode)	Hydraulic brake	15 km/h	Dry pavement: 3.7 m / Wet pavement: 4.2 m
		19 km/h	Dry pavement: 6 m / Wet pavement: 7 m
Suspension	Front		Shock absorber spring assembly (Stroke: 80 mm)
	Rear		Silent block
Anti-theft device	Parking mode		Motor lock (RFID system)
	Doors		Key lock
	Rack batterie		Mechanical code lock
Cruise control / speed limiter			19 km/h
Headlights			Position, brake and reverse lights
Impact protection			2 front rubber bumpers
On-board Intelligence	Automatic speed limiter		Turns / descents
	Automatic safety system		Accidental uncoupling / Impacts
	Diagnosis and intelligent correction of anomalies		Hardware / Motors
	"Dead man" safety system (drawbar release detection)		Manual Mode
EQUIPMENT			
Trailer keypad interface		Hand and bike mode / Switching on and off / Trailer calibration / Anti-theft mode / Maintenance indicators / Charging indicator	
Badge		Master badge (activation of user badges) / User badge (RFID function)	
Handle		Manual vehicle manoeuvring	
Bicycle hitch	Trailer	Caravan hitch on drawbar	
	Bicycle	Tow ball with quick release seat post	
Battery			Charging indicator
Keypad interface for refrigeration unit	Circuit breaker		ON/OFF
	Controller		Setting lock / Supply air temperature / T° setting / T° + and -
	Battery display		On - Off / T° + and - / Setting lock / Supply air temperature / Setting for T°
	Data recorder		Charge status / Battery voltage / Current in or out / Instantaneous battery capacity / Remaining time before full charge / Instantaneous power