



	Characteristics	Notes
Motor/Performance		
Road Homologation	L7e (European homologation as heavy quadricycle)	
Type	AC electric motor	AC motors allow greater performance, they are extremely quiet and require less maintenance than DC motors.
Power in standard conditions	8 kW / 48 V	Available power and torque are really for professional and intensive use.
Max. power	14 kW	Max power to face slopes and towing jobs.
Maximum speed	44 km/h	The maximum speed is indicative and evaluated on flat ground under optimal conditions of usage in SPORT mode.
Approved towing capacity	250 - 275 kg	Towing capacity approved for road circulation at EU level. Trailers used must have repulsion brakes and must be according to law with a maximum vertical weight of 120kg on the towbar.
Maximum towing capacity	2.000 kg	Maximum towing capacity under optimal conditions of usage, not for public road use. Trailers used must have repulsion brakes and must be according to law with a maximum vertical weight of 120kg on the towbar.
Controller type	CURTIS (385 A max output power)	
Setting vehicle's performances	2 settings controlled from dashboard (ECO and SPORT) / 4 settings (opt.)	Allows setting of vehicle performance directly from the dashboard specific selector.
Battery pack		
Type of batteries	8.7 kWh lead-acid (std.) 9 kWh pure-lead (opz.)	Pure-lead batteries are maintenance free batteries they provide great results even at low temperatures. Estimated life for the 8.7 kWh lead-acid solution 1.000 cycles, for the 14.4 kWh solution 1.500 cycles, for pure-lead solutions 400 cycles, both calculated at 80% DOD.
Number of batteries	8.7 kWh: 8x6V 9 kWh: 4x12V	An independent 12V battery for services is supplied.
Range with battery completely charged	8.7 kWh: 70 km 9 kWh: 70 km	The maximum is indicative and evaluated on flat route under optimal conditions of use, ECO mode with proper and energy-saver driving style, max speed 30 km/h [ATX110E/210E] or 20 km/h [ATX240E], not continuous use (discharge batteries in 5 hours).
Battery-charger onboard the vehicle	Yes, with on-board state of charge led indicator	
Estimated battery charge time	8.7 kWh: 8 hrs 9 kWh: 8 hrs	Powered by a 230V 16A 50Hz socket (IEC 60309 16A 2P+E type).
Type of battery-charger	High frequency battery charger with active PFC and (only versions 9 kWh and 18 kWh) with temperature sensor on batteries	High frequency chargers allow better charging and increase the battery life. The solution with active PFC can charge faster with the same absorption from the electric grid.

	Characteristics	Notes
Quick-change battery system	Optional for 8.7 kWh	Quick-change battery system enables non stop working through the day and night using 1 or more auxiliary battery. You can switch between different sets with the support of an hand pallet truck (400 mm lift).
Transmission		
Type	Electronic speed variation	Equal to the use of automatic gears.
Driving	Rear	
Maximum negotiable slope	35%	The maximum slope is indicative and evaluated with empty vehicle in optimal conditions of usage on non-continuous ramps.
Rear differential unit	Semi-floating	
Brakes		
Front / Rear	Front hydraulic discs / Rear hydraulic drums with mechanical servo brake	The hydraulic brakes are much safer than mechanically-operated brakes, they guarantee greater safety when weights are loaded or equipment is towed.
Parking brake	Yes	
Regenerative brake	Yes	Regenerative brake ensures a lower energy consumption as well as high safety standards and perfect descent manoeuvrability. When the accelerator is released, braking starts and batteries recharge.
Suspensions		
Front	MacPherson-type with independent wheels	Mac Pherson suspensions allow higher ride comfort and driving precision.
Rear	With De-Dion bridge + stabilising bar	De-Dion axle permits softer ride, better axle articulation, better traction on all land-types.
Chassis and body		
Chassis	Steel chassis with anticorrosion treatment and powder coating finish	ATX chassis have anticorrosion treatment by cathodolysis and powder coating. They are built to support hard duty operations.
Bodywork	Fiberglass	Fiberglass is repairable, durable, more resistant to shocks.
Tow hooks /hitches	Front and rear hook for towing the vehicle on emergency and rear ball trailer hitch	
Differential guard	Yes	Full protection for differential and other lower parts of vehicle in off road situations.
Front bull-bar protection	Yes	In case of accident prevents damage to the front bonnet, tires and steering system.
Electronics and lighting system		
Heating	Electric defogger with 2 speeds (optional) / Webasto heating system (optional)	
12V socket on the vehicle	Yes	Enables to plug cell phones, radio, PC and other electric devices (10A/120W max).
CURTIS display	Speedometer, battery indicator, motor temperature, inverter temperature, inverter errors, current supplied by the inverter	
Dashboard display	Hourmeter, warning lights for headlights, position lights, indicator lights, emergency lights, Webasto fuel shortage (if installed), brake oil shortage, parking brake, lifted cargo bed (if installed), 3 auxiliary inputs	
Charger status indicator	3 stage led indicator to know the charge level when charging is in progress	
Lights	Head lights, tail lights, stop lights, indicators, emergency lights, rear fog lights, rotating light (optional)	
Horn / Reverse buzzer	Yes	
Safety onboard	3-point safety belts, presence sensor on the driver's seat, external armrests (opt)	The armrests are standard in version without doors, they are optional in version with doors.
Rear 13 pin connector	Yes	

	Characteristics	Notes
Dimensions, loading capacity and weights		
Length (chassis version)	3205 mm	
Length (with cargo bed)	3520 mm	
Width	1270 mm	1320 mm with closed side mirrors, 1560 mm with fully open side mirrors.
Height	1850 mm	
Wheel base	2120 mm	
Ground clearance	260 mm at the center	145 mm under hubcap.
Cargo bed dimensions	1800 x 1240 mm	Height loading platform from the floor 780 mm, height sides 300 mm.
Loading capacity (chassis)	635 kg	Chassis version without doors including the driver.
Loading capacity (cargo bed)	505 kg	Version with standard cargo bed, without doors, incluso conducente.
Empty weight with batteries (chassis)	865 kg	Chassis version without doors, including the driver (+100 kg with cargo bed ATX110E, +130 kg with cargo bed ATX210E/240E, +40 kg with doors and heating).
Steering		
Rack and pinion	Yes	
Minimum steering radius (internal)	320 cm	
Tyres		
Front	23x8.50-12 (std.) - 175/65 R14 (opt.)	
Rear	23x8.50-12 (std.) 23x10.50-12 (opt.) - 175/65 R14 (opt.)	

Options and accessories *

<p>INTERIOR:</p> <ul style="list-style-type: none"> · doors/doors with sliding windows · door protection cages · electric defogger · Webasto heating <p>BATTERY PACK:</p> <ul style="list-style-type: none"> · 8.7 kWh lead-acid battery pack (fixed/quick change system) · battery filling system · 9 kWh pure-lead battery pack <p>FRONT AND REAR ATTACHMENTS:</p> <ul style="list-style-type: none"> · electric front winch · snow blade hydraulic kit/rear hydraulic kit · snow blade · electric salt sprayer · ball & pin trailer hitch 	<p>CARGO AREA:</p> <ul style="list-style-type: none"> · cargo bed with drop sides · flat cargo bed · steel mesh sides · electro-hydraulic tipping · closed body tarp (grey / custom colour) · open shade canopy for the cargo area · rear people-carrier module · ambulance module · box van with shutters on sides · aluminium waste collection body · aluminium waste collection body with bin lift system <p>OTHER OPTIONS:</p> <ul style="list-style-type: none"> · orange rotating beacon light · blue rotating beacon light <p>COLOURS:</p> <ul style="list-style-type: none"> · red · white · custom RAL colour
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* Some options and accessories may not be available for all models or may not be compatible for use on the road.

The mentioned technical specifications (like performance, autonomy, dimensions etc.) can or will be depending on temperature, surface, driving style, options, cargo or usage of the vehicle. Data supplied are usually reported for use on flat ground under optimal conditions of usage, it means with unladen vehicle in the basic version with lighter battery, smooth and paved road, outdoor temperature 25°C, fully charged batteries, on board electronic devices off without any other external consumption.

The technical specifications, design and performance of the products listed in this catalog are indicative and may undergo modifications without forewarning.