

ATX230ED and ATX240ED

Unique in their category the new ATX230ED and ATX240ED electric vehicles have a double cab with 4 seats and they are the ideal solution for those who need to carry both material and team work.

The double cab models are based on ATX230E and ATX240E models, so they keep the same cargo area, accessories and batteries.

ATX230ED and ATX240ED models are available with or without doors, all seats are equipped with three-point safety belts.

These double cab models are mainly used in industry and tourism sector, so mainly in private areas, for this reason at the moment they are not available with type approval for road use.

The ATX EDs are available also with special explosion proof versions for use in areas with risk of explosion such as oil plants, offshore extraction platforms, tunnels, chemical plants, mines, etc.

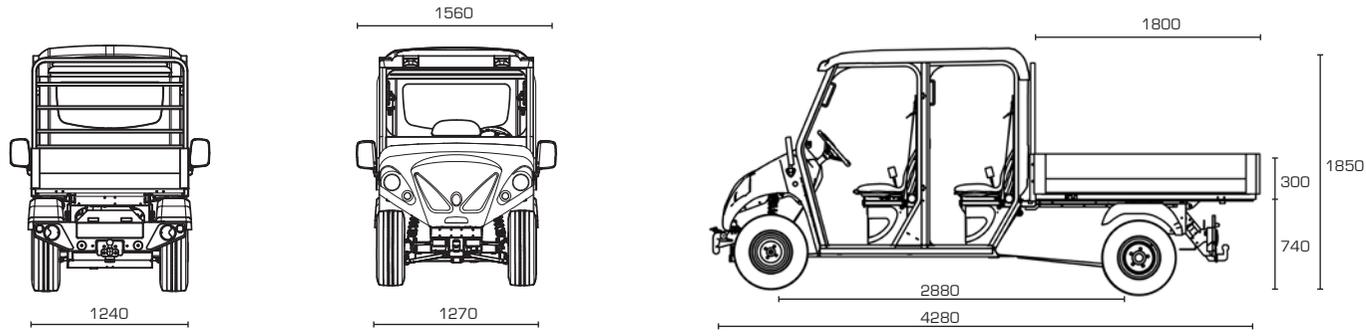


	ATX230ED	ATX240ED	Notes
Motor / Performances			
Road homologation	Not available		
Type	AC electric motor		AC motors allow greater performance, they are extremely quiet and require less maintenance than DC motors.
Power in standard conditions	8 kW / 48 V		Available power and torque are really for professional and intensive use.
Max. power	14 kW		Max power to face slopes and towing jobs.
Maximum speed	35 km/h		The maximum speed is indicative and evaluated on flat ground under optimal conditions of usage in SPORT mode.
Maximum towing capacity	3.000 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 120 kg on the towbar.
Controller type	CURTIS (385 A max output power)		
Setting vehicle's performances	2 settings controlled from dashboard (ECO and SPORT)		Allows setting of vehicle performance directly from the dashboard specific selector.
Battery pack			
Type of batteries	8.7 kWh lead-acid	14.4 kWh lead-acid (std.) 18 kWh pure-lead (opt.)	LA = lead-acid batteries - PL = pure-lead batteries. 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, all calculated at 80% DOD.
Number of batteries	8.7 kWh: 8x6V	14.4 kWh: 24x2V 18 kWh: 8x12V	An independent 12 V battery for services is supplied.
Range with battery completely charged	8.7 kWh: 70 km	14.4 kWh: 95 km 18 kWh: 125 km	The maximum is indicative and evaluated on flat route under optimal conditions of use, ECO mode with proper and energy-saver driving style, 20 km/h (ATX230E/240E), 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	14.4 kWh: 8 hrs 18 kWh: 12 hrs	Powered by a 230V 16A 50-60Hz socket (IEC 60309 16A 2P+E type).
Type of battery-charger	High frequency battery charger with active PFC and (only version 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.
Quick-change battery system	No	Yes	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	30%	25%	The maximum slope is indicative and evaluated with empty vehicle in optimal conditions of usage on non-continuous ramps.
Rear differential unit	Semi-floating with tapered bearings		
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.

	ATX230ED	ATX240ED	Notes
Chassis and body			
Chassis	Steel chassis with anticorrosion treatment and powder coating finish		ATX chassis have anticorrosion treatment by cataphoresis and powder coating. They are built to support heavy 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, front only) / Webasto heating system (optional, front and rear)		
12V socket on the vehicle	Yes		Enables to plug cell phones, radio, PC and other electric devices (10A/ 120W max).
CURTIS display	Speedometer, odometer, battery indicator, motor temperature, inverter temperature, inverter errors, power 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 beacon light (optional)		
Horn / Reverse buzzer	Yes		
Safety on-board	3-point seat 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		
Dimensions, loading capacity and weights			
Length (chassis version)	3965 mm		
Length (with cargo bed)	4280 mm		
Width	1270 mm		1320 mm with closed side mirrors, 1560 mm with fully open side mirrors.
Height	1850 mm		
Wheel base	2880 mm		
Ground clearance	260 mm at the center	190 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.
Seats	4 (with 3-point safety belts)		
Loading capacity (chassis)	850 kg		Chassis version without doors including the driver.
Loading capacity (cargo bed)	720 kg		Version with standard cargo bed, without doors, including the driver.
Empty weight with batteries (chassis)	1055 kg	1315 kg	Chassis version without doors, including the driver (+130 kg with cargo bed ATX 230E/240E, +80 kg with doors and heating)
Steering			
Rack and pinion	Yes		
Minimum steering radius (internal)	384 cm		
Tyres			
Front	23x8.50-12 (std.) - 175/70 R14 (opt.)		
Rear	23x10.50-12 (std.) 175/70 R14 (opt.)		

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.

	ATX230ED	ATX240ED	
Common features	<ul style="list-style-type: none"> · lead acid batteries · 35 km/h maximum speed · 3.000 kg towing capacity (not road legal) · up to 850 kg loading capacity (chassis) 	<ul style="list-style-type: none"> · 8 kW AC electric motor (pick power 14 kW) · 385 A CURTIS controller · ECO/SPORT settings for performance · 1800 x 1240 mm cargo area 	
Specific features	<ul style="list-style-type: none"> · range up to 70 km · maximum negotiable slope 30% 	<ul style="list-style-type: none"> · range up to 125 km (18 kWh battery) · maximum negotiable slope 25% 	
Battery	<ul style="list-style-type: none"> · 8.7 kWh lead-acid battery pack · battery filling system 	<ul style="list-style-type: none"> · 14.4 kWh lead-acid battery pack · battery filling system · 18 kWh pure-lead battery pack 	
Options and accessories *	<p>INTERIOR:</p> <ul style="list-style-type: none"> · front doors/front doors with sliding windows · rear doors · door protection cages (front only) · rear bench seat with three safety belts · electric defogger (front only) · Webasto heating (front and rear) <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"> · white (std) · red · custom RAL colour <p>* To see the updated list see www.alke.com. Some options and accessories may not be available for all models or may not be compatible for use on the road.</p>



Alké
 via Vigonovese 123
 35127 Padova (Italy)
 tel: +39 049 761208
 fax: +39 049 8709426
 email: info@alke.com
 web: www.alke.com



ISO 9001:2008 - 687903
ISO 14001:2004 - 687426
OHSAS 18001:2007 - 687593