

## ATX310E

weight  
[ kg ]

### TYPE-APPROVAL | CAB SEATS

EU on-road type-approval	N1	
seats inside the cab	2	
right-hand drive	Δ	+ 0.0

### PERFORMANCE

top speed	[ km/h ]	44	
maximum negotiable slope (with high-performance batteries)	[ % ]	30	
maximum autonomy	Lead-Acid 10 kWh [ km ]	72	
	Lead-Acid 14.4 kWh [ km ]	—	
	Gel 8.7 kWh [ km ]	61	
	Gel 13.2 kWh [ km ]	—	
	Lithium (LiFePO4) 10 kWh [ km ]	—	
	Lithium (LiFePO4) 20 kWh [ km ]	—	

(The max autonomy value reported is indicative and refers to homologation data collected on WLTP cycle basis (combined circuit) with an configuration Alke' ATX vehicle with basic flatbed configuration.)

### DIMENSIONS

<b>A</b> length (chassis version)	[ mm ]	2.860	
<b>B</b> length (version with cargo bed)	[ mm ]	3.030	
<b>C</b> vehicle cab width (without rear-view mirrors)	[ mm ]	1.215	
<b>D</b> vehicle cab width (with wing mirrors closed)	[ mm ]	1.380	
<b>E</b> vehicle cab width (with wing mirrors open)	[ mm ]	1.650	
<b>F</b> cab height (with standard tyres)	[ mm ]	1.890	
<b>G</b> vehicle height (with flashing LED on cab roof and standard tyres)	[ mm ]	1.980	
<b>H</b> wheelbase	[ mm ]	1.850	
<b>I</b> approach angle	[ ° ]	40	

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<b>J</b> departure angle	[ ° ]	16	
<b>K</b> rear axle distance from ground	[ mm ]	130	
<b>L</b> maximum loading bed length	[ mm ]	1.400	
<b>M</b> maximum loading bed width	[ mm ]	1.400	

### WEIGHTS | CAPACITY AND TOWING

UVW   unloaded vehicle weight (chassis version with battery)	Lead-Acid 10 kWh [ kg ]	890	
	Lead-Acid 14.4 kWh [ kg ]	—	
	Gel 8.7 kWh [ kg ]	890	
	Gel 13.2 kWh [ kg ]	—	
	Lithium (LiFePO4) 10 kWh [ kg ]	—	
	Lithium (LiFePO4) 20 kWh [ kg ]	—	
GVW   gross vehicle weight (max weight for fully-loaded vehicle)	[ kg ]	1.510	
GCW   gross combined weight (max weight for fully-loaded vehicle + trailer)	[ kg ]	2.500	
maximum towing capacity (on road   braked trailer)	[ kg ]	1.200	
maximum traction power	[ N ]	2.800	
maximum towing capacity (not on road   braked trailer)	[ kg ]	2.000	
maximum chassis load capacity (= GVW - UVW)	Lead-Acid 10 kWh [ kg ]	620	
	Lead-Acid 14.4 kWh [ kg ]	—	
	Gel 8.7 kWh [ kg ]	620	
	Gel 13.2 kWh [ kg ]	—	
	Lithium (LiFePO4) 10 kWh [ kg ]	—	
	Lithium (LiFePO4) 20 kWh [ kg ]	—	



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### MOTOR | CONTROLLER

48V AC asynchronous induction electric motor	•	
maximum motor power	[ kW ]	14
maximum motor torque	[ Nm ]	113
CURTIS 48V control electronics	•	
vehicle performance settings (ECO and SPORT)	•	
auxiliary cooling system for motor / controller	Δ	+ 2.0
Vehicle Body Computer (VBC)	Δ	
Smart VBC + 3Y data traffic	Δ	
12M STD	Δ	
Cloud Service license	Δ	
12M PRO	Δ	
Cloud Service license	Δ	

### TRANSMISSION

transmission with electronic speed variation	•	
rear wheel drive	•	
heavy duty differential unit	—	

### SUSPENSIONS

front suspension with MacPherson type independent wheels	•	
rear suspension with De-Dion bridge and stabiliser bar	•	

### BRAKES

front hydraulic discs brakes and rear hydraulic drum brakes	•	
rear hydraulic drum brakes with mechanical servobrake	—	
parking brake	•	
regenerative brake	•	
electromagnetic parking brake for ATX with hill-holder system	—	

### STEERING

rack and pinion steering	•	
electric power steering (EPS)	Δ	+ 7.0
minimum turning radius   internal	[ mm ]	2.300

### BODY | CHASSIS

white body	•	
customised body colour	Δ	+ 0.0
steel chassis with anti-corrosion treatment and powder coating finish	•	
impact-resistant polyethylene front and rear bumpers	•	

### SAFETY

3-point seat belt for driver and passenger(s)	•	
immobilizer and presence sensor on driver's seat	•	
steering lock with key	•	
horn / reverse buzzer	•	
rear view camera with LCD rear view monitor	Δ	
forward gear buzzer activable from dashboard	Δ	
safety switch inside the cab for 48 V drive battery	•	
safety switch inside the cab for 12 V service battery	•	
tyre repair kit	•	

### LIGHTS

front and rear lights in road style	•	
full LED rear lights	•	
rear fog light and LED reversing light	•	
LED DRL lights	•	
orange flashing LED on cab roof	Δ	+ 2.0
blue flashing LED on cab roof	Δ	+ 2.0

### CAB | COMFORT

timed heated windshield	•	
electric demister	Δ	+7
Webasto heating (as an alternative to electric demister)	Δ	+ 13.0
air-conditioning	Δ	+ 25.0
adjustable seats	•	

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front doors	•	
front doors with sliding windows	Δ	+ 0.0
rear doors	—	
armrests	Δ	+ 3.5
headrests	•	
rear seat bench	—	+ 22.0
cab interior lighting	•	
sun visors	Δ	
rear-view camera with internal LCD color monitor	Δ	
car audio system AM/FM/DAB/DAB+ with USB and Bluetooth	Δ	
rear speakers for 4-seats models	—	
openable front windshield	•	
central door locks with remote control	Δ	
windscreen wiper with windscreen washer	•	

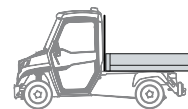
### DASHBOARD

ECO / SPORT selector	•	
12V 10A socket	•	
additional 48V-80Ah plug with switch control on dashboard	•	
speedometer (km / mph)	•	
hour meter	•	

indicators	battery state of charge	battery capacity	motor temperature	•	
	inverter temperature	inverter errors	current delivered by inverter	•	
dashboard LCD colour display					•
warning lights	indicators	doors lock	brake oil shortage	•	
	lifted cargo bed	heated windshield	side lights	•	
	low beam headlights	headlights	rear fog light	•	
	electric demister	EPS	Webasto fuel shortage	•	
	beacon light	battery on charge status	electric motor overheating	•	
	forward gear	backward gear	neutral gear	•	
	emergency lights	aux 1	aux 2	•	

### BATTERY

	type / capacity		
type	Lead-Acid 14.4 kWh	•	
	Lead-Acid 14.4 kWh	—	
	Gel 8.7 kWh	Δ	
	Gel 13.2 kWh	—	
	Lithium (LiFePO4) 10 kWh	—	
	Lithium (LiFePO4) 20 kWh	—	
	Lead-Acid 10 kWh	8x6V	
	Lead-Acid 14.4 kWh	—	
	Gel 8.7 kWh	8x6V	
	Gel 13.2 kWh	—	
number of batteries	Lithium (LiFePO4) 10 kWh	—	
	Lithium (LiFePO4) 20 kWh	—	
	Lead-Acid 10 kWh	8x6V	
	Lead-Acid 14.4 kWh	—	
	Gel 8.7 kWh	8x6V	
	Gel 13.2 kWh	—	
	Lithium (LiFePO4) 10 kWh	—	
	Lithium (LiFePO4) 20 kWh	—	
	Lead-Acid 10 kWh [ cycles ]	1.200	
	Lead-Acid 14.4 kWh [ cycles ]	—	
estimated battery life	Gel 8.7 kWh [ cycles ]	700	
	Gel 13.2 kWh [ cycles ]	—	
	Lithium (LiFePO4) 10 kWh [ cycles ]	—	
	Lithium (LiFePO4) 20 kWh [ cycles ]	—	
	Lead-Acid 10 kWh [ cycles ]	—	
	Lead-Acid 14.4 kWh [ cycles ]	—	
	Gel 8.7 kWh [ cycles ]	700	
	Gel 13.2 kWh [ cycles ]	—	
	Lithium (LiFePO4) 10 kWh [ cycles ]	—	
	Lithium (LiFePO4) 20 kWh [ cycles ]	—	



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estimated battery charge time	Lead-Acid 10 kWh [ hours ]	8	
	Lead-Acid 14.4 kWh [ hours ]	—	
	Gel 8.7 kWh [ hours ]	11	
	Gel 13.2 kWh [ hours ]	—	
	Lithium (LiFePO4) 10 kWh [ hours ]	—	
	Lithium (LiFePO4) 20 kWh [ hours ]	—	
	Lithium (LiFePO4) 10 kWh with quick charge [ hours ]	—	
	Lithium (LiFePO4) 20 kWh with quick charge [ hours ]	—	
consumption for complete recharge	Lead-Acid 10 kWh [ kWh ]	9	
	Lead-Acid 14.4 kWh [ kWh ]	—	
	Gel 8.7 kWh [ kWh ]	7.5	
	Gel 13.2 kWh [ kWh ]	—	
	Lithium (LiFePO4) 10 kWh [ kWh ]	—	
	Lithium (LiFePO4) 20 kWh [ kWh ]	—	
12 V services auxiliary battery		•	
battery charge on vehicle (PFC active)	(power supply 230V 16A 50-60Hz)	•	
external quick battery charge (Lithium only)	(power supply 380V 16A 50-60Hz)	—	+15.0 <sup>(E)</sup>
battery swap system	Lead-Acid 14.4 kWh	—	
	Gel 13.2 kWh	—	
battery top-up	Lead-Acid 10 kWh	Δ	+ 0.0
	Lead-Acid 14.4 kWh	Δ	+ 0.0

### CONFIGURATIONS AND CARGO AREA ACCESSORIES

dropside body with manual tipping (aluminium drop sides H30 cm)	130 x 123 cm	Δ	+ 105.0
	180 x 123 cm	—	+ 130.0
	200 x 140 cm	—	+ 160.0
	250 x 140 cm	—	+ 180.0
pair of side toolboxes		—	+ 20.0
mesh sides extension H55 cm with rear drop side with upwards opening	for body 130 x 123 cm	Δ	+ 25.0
	for body 180 x 123 cm	—	+ 29.0
	for body 200 x 140 cm	—	+ 30.0
	for body 250 x 140 cm	—	+ 40.0
COMBI mesh sides extension H55 cm 150 x 123 cm with rear drop side		—	+ 30.0
electro-hydraulic tipping for dropside body unit	for body 130 x 123 cm	Δ	+ 14.0
	for body 150 x 123 cm	—	
	for body 180 x 123 cm	—	+ 15.0
	for body 200 x 140 cm	—	+ 15.0
	for body 250 x 140 cm	—	+ 20.0
dropside body 180 x 123 cm with three side hydraulic tipping		—	+ 190.0

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tarpaulin body H108 cm openable on three sides for dropside body	for body 130 x 123 cm	Δ	+ 25.0
	for body 180 x 123 cm	—	+ 30.0
	for body 200 x 140 cm	—	+ 35.0
	for body 250 x 140 cm	—	+ 40.0
tarpaulin body H110 cm for COMBI 150 x 123 cm dropside body		—	+ 35.0
removable rear seats kit with two independent seats, platform and 2-points seat belts		—	+ 45.0
tarpaulin roof H105 for rear seats kit		—	+ 30.0
ladder rack for 124 cm wide body		Δ	+ 4.0
ladder rack for 140 cm wide body		—	+ 5.0
ambulance body equipped with spine board and box/seat for medical staff		—	+ 75.0
roof for ambulance body		—	+ 20.0
box van body with side roller shutters H132 cm 180 x 125 cm		—	+ 150.0
box van body with side roller shutters H132 cm 200 x 140 cm		—	+ 180.0
2 shelves for box van body with side roller shutters	180x123 cm	—	+ 8.0
	200x140 cm	—	+ 12.0
dropside body 150 x 123 cm COMBI		—	+ 140.0
COMBI storage box 45 x 125 cm H110 cm with 2 doors on sides, locks and internal shelf installed in the front part of the cargo area just behind the cabin		—	+ 50.0
watering unit with 600 L tank		—	+ 140.0
COMBI high pressure cleaner with 210 L tank and 20 m hose		—	+ 70.0
high pressure cleaner with 600L tank and 20 m hose		—	+ 150.0
fire-fighting module with 600 L tank and 50 m hose		—	+ 130.0
load lashing eyes on loading bed		Δ	
tail lift and dropside body 200 x 140 cm H30 cm with mesh sides extension H55 cm		—	+ 370.0
tail lift and box van body 200 x 140 cm		—	+ 390.0
isothermal body H120 cm	180 x 123 cm	—	+ 120.0
isothermal body H130 cm	200 x 140 cm	—	+ 140.0
refrigerated body 0 +4 °C with side and rear door	180 x 123 cm	—	+ 220.0
	200 x 140 cm	—	+ 250.0
COMBI waste collection body (1.7 m³ version)		—	+ 180.0
waste collection body 2.2m³		—	+ 200.0
waste collection body with bin lift system 2.2m³		—	+ 280.0
waste collection body 2.8m³		—	+ 240.0
waste collection body with bin lift system 2.8m³		—	+ 320.0
waste collection body 3.5m³		—	+ 280.0
waste collection body with bin lift system 3.5m³		—	+ 360.0
tarp system for waste collection body		—	+ 15.0
broom and dustpan holder kit		—	+ 8.0
hydraulic crane coupled with 150x124 cm H30 cm dropside body		—	+ 400.0
semi-trailer coupling system fitting DIN Ø40 drawbar eyes		—	+ 60.0



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reverse inching device for easy trailers coupling	—	+ 4.0
semi-trailer coupling system with fifth wheel fitting 2" kingpins	—	+ 100.0
<b>FRONT / REAR ACCESSORIES</b>		
front pin tow hitch	•	
rear ball tow hitch	•	
rear trailer hitch with ball & pin coupling (instead of standard ball hitch)	Δ	+ 3.5
automatic tow hitch fitting DIN Ø40	—	+ 15.0
front protective bumper	•	
rear 13 pin connector	•	
show plough hydraulic kit	Δ	+ 10.0
snow plough	!	+ 82.0
electric salt spreader	Δ	+ 50.0
anti-roll kit	—	+ 5.0
rear hydraulic kit	Δ	+ 4.0
<b>TYRES</b>		
Road tyres (front and rear 175/65 R14)	•	
Road tyres (front and rear 175/70 R14)	—	
Road tyres (front and rear 175/75 R14)	—	
low-profile Road tyres (front and rear 225/55 R12)	—	
Turf tyres (front and rear 23x8.50-12 6PR)	!	
Turf tyres (front 23x8.50-12 6PR and rear 23x10.50-12 8PR)	—	
Off-road tyres (front and rear 23x8.50-12 6PR)	!	
Off-road tyres (front 23x8.50-12 6PR and rear 23x10.50-12 8PR)	—	
tyres puncture protection treatment	Δ	
spare wheel (provided separately)	Δ	+18.0 <sup>(E)</sup>



### NOTE

**Top speed:** approximate, obtained on a flat surface in optimum usage conditions and in SPORT mode. **Maximum negotiable slope:** approximate and assessed with vehicle empty in ideal usage conditions on discontinuous ramps. **Maximum autonomy:** the max autonomy value reported is indicative and refers to homologation data collected on WLTP cycle basis (combined circuit) with an configuration Alke' ATX vehicle with basic flatbed configuration. **Estimated battery lifespan:** approximate figure, based on the information in the manufacturer's possession at the time this file was published. **Maximum towing capacity:** calculated in optimum usage conditions, the trailers must have repulsion brakes and comply with the law. Maximum vertical weight on the tow hitch: 120kg. **The technical specifications indicated in this catalogue** (performance, autonomy, dimensions, etc.) depend - or may depend - on temperature, terrain, driving style, accessories, load or use of the vehicle. The data usually refers to use on a flat surface in optimum usage conditions - i.e. a basic vehicle version with no load and with the lightest battery, on an even and paved road surface with an outdoor temperature of 25°C, the battery fully charged, on board electronic devices switched off, and without any other accessory consumption. **The technical specifications,** design and performance levels indicated in this technical data sheet are by way of example only and may be subject to modifications without prior notice.



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