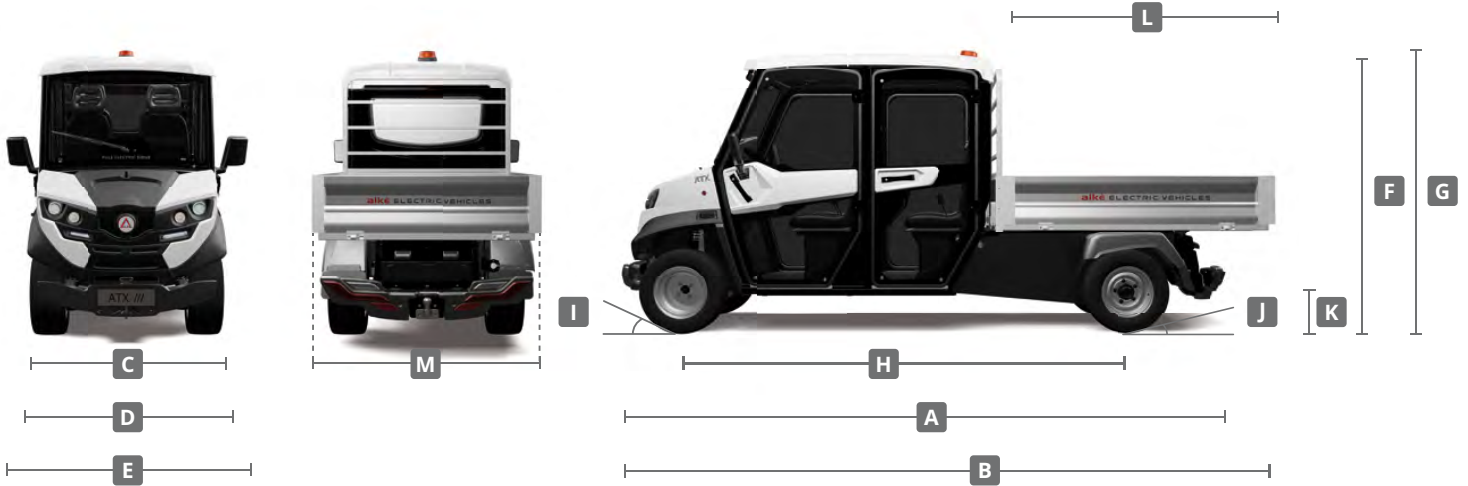




DR1

**alkè**  
ELECTRIC VEHICLES

# ATX 330ED



	330 ED	weight [kg]
<b>TYPE-APPROVAL   CAB SEATS</b>		
EU on-road type-approval	N1	
seats inside the cab	4	
right-hand drive	Δ	+ 0.0

<b>PERFORMANCE</b>		
top speed	[ km/h ]	44
maximum negotiable slope (with high-performance batteries)	[ % ]	27
maximum autonomy (R101 test with 10.0kWh battery in SPORT mode: 74 km)	Lead-Acid 10 kWh [ km ]	65
	Lead-Acid 14.4 kWh [ km ]	—
	Gel 8.7 kWh [ km ]	55
	Gel 13.2 kWh [ km ]	—
	Lithium (LiFePO4) 10 kWh [ km ]	—
	Lithium (LiFePO4) 20 kWh [ km ]	—

<b>DIMENSIONS</b>		
A	length (chassis version)	[ mm ] 3.980
B	length (version with cargo bed)	[ mm ] 4.290 <sup>(1)</sup> 4.490 <sup>(2)</sup>
C	vehicle cab width (without rear-view mirrors)	[ mm ] 1.215
D	vehicle cab width (with wing mirrors closed)	[ mm ] 1.380
E	vehicle cab width (with wing mirrors open)	[ mm ] 1.650
F	cab height (with standard tyres)	[ mm ] 1.890
G	vehicle height with beacon light (with standard tyres)	[ mm ] 1.980
H	wheelbase	[ mm ] 2.890 <sup>(1)</sup> 2.990 <sup>(2)</sup>
I	approach angle	[ ° ] 40

	330 ED	weight [kg]
J	departure angle [ ° ]	10 <sup>(1)</sup> 9 <sup>(2)</sup>
K	rear axle distance from ground [ mm ]	130
L	maximum loading bed length [ mm ]	1.800 <sup>(1)</sup> 2.000 <sup>(2)</sup>
M	maximum loading bed width [ mm ]	1.500

<b>WEIGHTS   CAPACITY AND TOWING</b>			
UVW   unloaded vehicle weight (chassis version with battery)	Lead-Acid 10 kWh [ kg ]	1.050	
	Lead-Acid 14.4 kWh [ kg ]	—	
	Gel 8.7 kWh [ kg ]	1.050	
	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 ]	2.150	
GCW   gross combined weight (max weight for fully-loaded vehicle + trailer)	[ kg ]	4.100	
maximum towing capacity (on road   braked trailer)	[ kg ]	2.000	
maximum traction power	[ N ]	5.230	
maximum towing capacity (not on road   braked trailer)	[ kg ]	3.000	
maximum chassis load capacity (= GVW - UVW)	Lead-Acid 10 kWh [ kg ]	1100	
	Lead-Acid 14.4 kWh [ kg ]	—	
	Gel 8.7 kWh [ kg ]	1100	
	Gel 13.2 kWh [ kg ]	—	
	Lithium (LiFePO4) 10 kWh [ kg ]	—	
	Lithium (LiFePO4) 20 kWh [ kg ]	—	



	330 ED	weight [kg]
<b>MOTOR   CONTROLLER</b>		
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	
12M STD Cloud Service license	Δ	
12M PRO Cloud Service license	Δ	
<b>TRANSMISSION</b>		
transmission with electronic speed variation	•	
rear wheel drive	•	
heavy duty differential unit	•	
<b>SUSPENSIONS</b>		
front suspension with MacPherson type independent wheels	•	
rear suspension with De-Dion bridge and stabiliser bar	•	
<b>BRAKES</b>		
front hydraulic discs brakes and rear hydraulic drum brakes	•	
rear hydraulic drum brakes with mechanical servobrake	•	
parking brake	•	
regenerative brake	•	
<b>STEERING</b>		
rack and pinion steering	•	
electric power steering (EPS)	Δ	+ 7.0
minimum turning radius   internal [ mm ]	4,110 <sup>(1)</sup> 4,130 <sup>(2)</sup>	
<b>BODY   CHASSIS</b>		
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	•	
<b>SAFETY</b>		
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	•	
<b>LIGHTS</b>		
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
<b>CAB   COMFORT</b>		
timed heated windshield	•	
electric demister	Δ	+7

	330 ED	weight [kg]			
Webasto heating (as an alternative to electric demister)	Δ	+ 13.0			
air-conditioning	Δ	+ 25.0			
adjustable seats	•				
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	Δ				
openable front windscreen	•				
central door locks with remote control	Δ				
windscreen wiper with windscreen washer	•				
<b>DASHBOARD</b>					
ECO / SPORT selector	•				
12V 10A socket	•				
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	•	
<b>BATTERY</b>			type / capacity		
type	Lead-Acid 10 kWh	•			
	Lead-Acid 14.4 kWh	—			
	Gel 8.7 kWh	Δ			
	Gel 13.2 kWh	—			
	Lithium (LiFePO4) 10 kWh	—			
	Lithium (LiFePO4) 20 kWh	—			
number of batteries	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	—			

• as standard Δ optional ! compatible but not type-approved for road circulation  
— not available <sup>(1)</sup> vehicle with standard wheelbase <sup>(2)</sup> vehicle with long wheelbase



			330 ED	weight [kg]
estimated battery life	Lead-Acid 10 kWh	[ cycles ]	1.200	
	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 ]	—	
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)		—	(ext.) +15.0
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		—	+ 105.0
	180 x 123 cm		Δ <sup>(1)</sup>	+ 130.0
	200 x 140 cm		Δ <sup>(2)</sup>	+ 160.0
flatbed for special configurations	130 x 123 cm		—	+ 80.0
	180 x 123 cm		Δ <sup>(1)</sup>	+ 90.0
	200 x 140 cm		Δ <sup>(2)</sup>	+ 120.0

		330 ED	weight [kg]
mesh sides extension H55 cm with rear drop side with upwards opening	for body 130 x 123 cm	—	+ 25.0
	for body 180 x 123 cm	Δ <sup>(1)</sup>	+ 29.0
	for body 200 x 140 cm	Δ <sup>(2)</sup>	+ 30.0
COMBI mesh sides extension H55 cm 150 x 123 cm with rear drop side		Δ <sup>(2)</sup>	+ 30.0
electro-hydraulic tipping for dropside body unit	for body 130 x 123 cm	—	+ 14.0
	for body 150 x 123 cm	Δ <sup>(2)</sup>	
	for body 180 x 123 cm	Δ <sup>(1)</sup>	+ 15.0
	for body 200 x 140 cm	Δ <sup>(2)</sup>	+ 15.0
dropside body 180 x 123 cm with three side hydraulic tipping		Δ <sup>(1)</sup>	+ 190.0
tarpaulin body H108 cm openable on three sides for dropside body	for body 130 x 123 cm	—	+ 25.0
	for body 180 x 123 cm	Δ <sup>(1)</sup>	+ 30.0
tarpaulin body H108 cm openable on three sides for dropside body	for body 200 x 140 cm	Δ <sup>(2)</sup>	+ 35.0
		Δ	+ 0.0
custom colour for tarpaulin body		Δ <sup>(2)</sup>	+ 35.0
tarpaulin body H110 cm for COMBI 150 x 123 cm dropside body		!	+ 45.0
removable rear seats kit with two independent seats, platform and 2-points seat belts		Δ <sup>(1)</sup>	+ 30.0
tarpaulin roof H105 for rear seats kit		! <sup>(1)</sup>	+ 75.0
ambulance body equipped with spine board and box/seat for medical staff		Δ <sup>(1)</sup>	+ 20.0
roof for ambulance body		Δ <sup>(1)</sup>	+ 130.0
box van body H122 cm 180 x 125 cm with sliding doors (2 per side)		Δ <sup>(2)</sup>	+ 170.0
box van body H122 cm 200 x 140 cm with sliding doors (2 per side)		Δ <sup>(1)</sup>	+ 150.0
box van body with side roller shutters H132 cm 180 x 125 cm		Δ <sup>(2)</sup>	+ 180.0
box van body with side roller shutters H132 cm 200 x 140 cm		Δ <sup>(1)</sup>	+ 8.0
set 2 shelves for box van body with sliding doors (each shelf covers half of the depth)	180 x 123 cm	Δ <sup>(2)</sup>	+ 12.0
	200 x 140 cm	Δ <sup>(2)</sup>	
dropside body 150 x 123 cm COMBI		Δ <sup>(2)</sup>	
COMBI storage box 45 x 125 cm H110 cm		Δ <sup>(2)</sup>	
COMBI waste collection body (1.7 m <sup>3</sup> version)		Δ	+ 140.0
watering unit with 600 L tank		Δ	+ 150.0
COMBI high pressure cleaner with 210 L tank and 20 m hose		Δ	+ 150.0
high pressure cleaner with 600L tank and 20 m hose		Δ	
load lashing eyes on loading bed		—	+ 370.0
tail lift and dropside body 200 x 140 cm H30 cm with mesh sides extension H55 cm		—	+ 390.0
tail lift and box van body 200 x 140 cm		Δ <sup>(1)</sup>	+ 120.0
Isothermal body H120 cm	180 x 123 cm	Δ <sup>(2)</sup>	+ 140.0
Isothermal body H130 cm	200 x 140 cm	Δ <sup>(1)</sup>	+ 220.0
refrigerated body 0 +4 °C with side and rear door	180 x 124 cm	Δ <sup>(2)</sup>	+ 250.0
	200 x 140 cm	Δ <sup>(1)</sup>	+ 200.0
waste collection body 2.2m <sup>3</sup>		Δ <sup>(1)</sup>	+ 280.0
waste collection body with bin lift system 2.2m <sup>3</sup>		Δ <sup>(2)</sup>	+ 240.0
waste collection body 2.8m <sup>3</sup>		Δ <sup>(2)</sup>	+ 320.0
waste collection body with bin lift system 2.8m <sup>3</sup>		Δ <sup>(1)</sup>	+ 15.0
tarp system for waste collection body		Δ	+ 8.0
broom and dustpan holder kit		Δ	+ 60.0
semi-trailer coupling system fitting DIN Ø40 drawbar eyes		Δ	



	330 ED	weight [kg]
reverse inching device for easy trailers coupling	Δ	+ 4.0
semi-trailer coupling system with fifth wheel fitting 2" kingpins	Δ	+ 100.0

**FRONT / REAR ACCESSORIES**

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	Δ	+ 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

**TYRES**

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, 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)	!	
spare wheel (provided separately)	Δ	(ext.) +18.0

**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:** approximate and obtained on a flat surface, in optimum usage conditions, with ECO mode and energy saver and adopting a correct driving style, at a speed no higher than 60% of the maximum speed, for non-continuous use (battery discharged in 5 hours). **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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