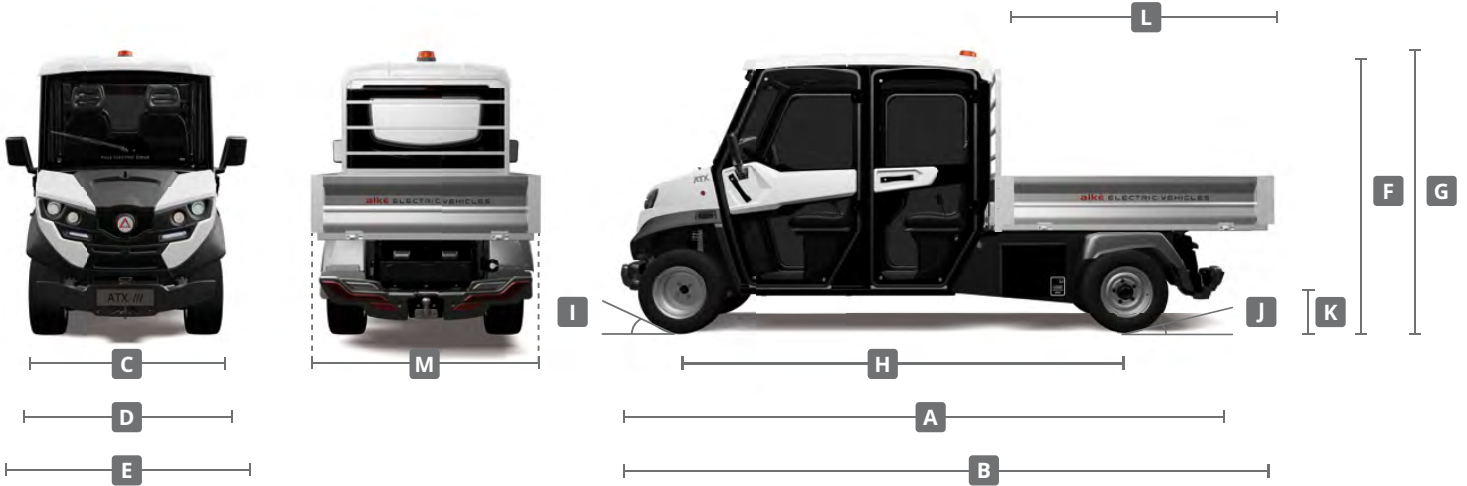




DR1

**alkè**  
ELECTRIC VEHICLES

# ATX 340ED



	340 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)	[ % ]	25
maximum autonomy	Lead-Acid 10 kWh [ km ]	—
	Lead-Acid 14.4 kWh [ km ]	111
	Gel 8.7 kWh [ km ]	—
	Gel 13.2 kWh [ km ]	94
	Lithium (LiFePO4) 10 kWh [ km ]	85
	Lithium (LiFePO4) 20 kWh [ km ]	190

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

<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
J	departure angle	[ ° ] 9 <sup>(1)</sup> 8 <sup>(2)</sup>

	340 ED	weight [kg]
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 ]	—
	Lead-Acid 14.4 kWh [ kg ]	1.290
	Gel 8.7 kWh [ kg ]	—
	Gel 13.2 kWh [ kg ]	1.290
	Lithium (LiFePO4) 10 kWh [ kg ]	995
	Lithium (LiFePO4) 20 kWh [ kg ]	1085
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 ]	—
	Lead-Acid 14.4 kWh [ kg ]	860
	Gel 8.7 kWh [ kg ]	—
	Gel 13.2 kWh [ kg ]	860
	Lithium (LiFePO4) 10 kWh [ kg ]	1.155
	Lithium (LiFePO4) 20 kWh [ kg ]	1.065



	340 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	+ 7.0
Webasto heating (as an alternative to electric demister)	Δ	+ 13.0
air-conditioning	Δ	+ 25.0
adjustable seats	•	
front doors	•	

	340 ED	weight [kg]
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 windshield	•	
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 inverter temperature	battery capacity inverter errors
		motor temperature 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	—
	Gel 13.2 kWh	Δ
	Lithium (LiFePO4) 10 kWh	Δ
	Lithium (LiFePO4) 20 kWh	Δ
number of batteries	Lead-Acid 10 kWh	—
	Lead-Acid 14.4 kWh	24x2V
	Gel 8.7 kWh	—
	Gel 13.2 kWh	24x2V
	Lithium (LiFePO4) 10 kWh	1x48V
	Lithium (LiFePO4) 20 kWh	1x48V



			<b>340 ED</b>	<b>weight [kg]</b>	
estimated battery life	Lead-Acid 10 kWh [cycles]		—		
	Lead-Acid 14.4 kWh [cycles]		1.500		
	Gel 8.7 kWh [cycles]		—		
	Gel 13.2 kWh [cycles]		1.200		
	Lithium (LiFePO4) 10 kWh [cycles]		2.000		
	Lithium (LiFePO4) 20 kWh [cycles]		2.000		
estimated battery charge time	Lead-Acid 10 kWh [hours]		—		
	Lead-Acid 14.4 kWh [hours]		8		
	Gel 8.7 kWh [hours]		—		
	Gel 13.2 kWh [hours]		11		
	Lithium (LiFePO4) 10 kWh [hours]		3.5		
	Lithium (LiFePO4) 20 kWh [hours]		6.5		
	Lithium (LiFePO4) 10 kWh with quick charge [hours]		1.5		
	Lithium (LiFePO4) 20 kWh with quick charge [hours]		2.6		
	consumption for complete recharge	Lead-Acid 10 kWh [kWh]		—	
		Lead-Acid 14.4 kWh [kWh]		13	
Gel 8.7 kWh [kWh]			—		
Gel 13.2 kWh [kWh]			12		
Lithium (LiFePO4) 10 kWh [kWh]			9		
Lithium (LiFePO4) 20 kWh [kWh]			18.5		
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)	Δ	(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

		<b>340 ED</b>	<b>weight [kg]</b>
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
custom colour for tarpaulin body		Δ	+ 0.0
tarpaulin body H110 cm for COMBI 150 x 123 cm dropside body		Δ <sup>(2)</sup>	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		Δ <sup>(1)</sup>	+ 30.0
ambulance body equipped with spine board and box/seat for medical staff		! <sup>(1)</sup>	+ 75.0
roof for ambulance body		Δ <sup>(1)</sup>	+ 20.0
box van body H122 cm 180 x 125 cm with sliding doors (2 per side)		Δ <sup>(1)</sup>	+ 130.0
box van body H122 cm 200 x 140 cm with sliding doors (2 per side)		Δ <sup>(2)</sup>	+ 170.0
box van body with side roller shutters H132 cm 180 x 125 cm		Δ <sup>(1)</sup>	+ 150.0
box van body with side roller shutters H132 cm 200 x 140 cm		Δ <sup>(2)</sup>	+ 180.0
set 2 shelves for box van body with sliding doors (each shelf covers half of the depth)	180 x 123 cm	Δ <sup>(1)</sup>	+ 8.0
	200 x 140 cm	Δ <sup>(2)</sup>	+ 12.0
dropside body 150 x 123 cm COMBI		Δ <sup>(2)</sup>	
COMBI storage box 45 x 125 cm H110 cm		Δ <sup>(2)</sup>	
watering unit with 600 L tank		Δ	+ 140.0
COMBI high pressure cleaner with 210 L tank and 20 m hose		Δ	
high pressure cleaner with 600L tank and 20 m hose		Δ	+ 150.0
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	Δ <sup>(1)</sup>	+ 120.0
isothermal body H130 cm	200 x 140 cm	Δ <sup>(2)</sup>	+ 140.0
refrigerated body 0 +4 °C with side and rear door	180 x 124 cm	Δ <sup>(1)</sup>	+ 220.0
	200 x 140 cm	Δ <sup>(2)</sup>	+ 250.0
COMBI waste collection body (1.7 m3 version)		Δ <sup>(2)</sup>	
waste collection body 2.2m <sup>3</sup>		Δ <sup>(1)</sup>	+ 200.0
waste collection body with bin lift system 2.2m <sup>3</sup>		Δ <sup>(1)</sup>	+ 280.0
waste collection body 2.8m <sup>3</sup>		Δ <sup>(2)</sup>	+ 240.0
waste collection body with bin lift system 2.8m <sup>3</sup>		Δ <sup>(2)</sup>	+ 320.0
tarp system for waste collection body		Δ <sup>(1)</sup>	+ 15.0
broom and dustpan holder kit		Δ	+ 8.0
hydraulic crane coupled with 150x124 cm H30 cm dropside body		—	+ 400.0
semi-trailer coupling system fitting DIN Ø40 drawbar eyes		Δ	+ 60.0



	340 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
<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	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
<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, 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	(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:** 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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