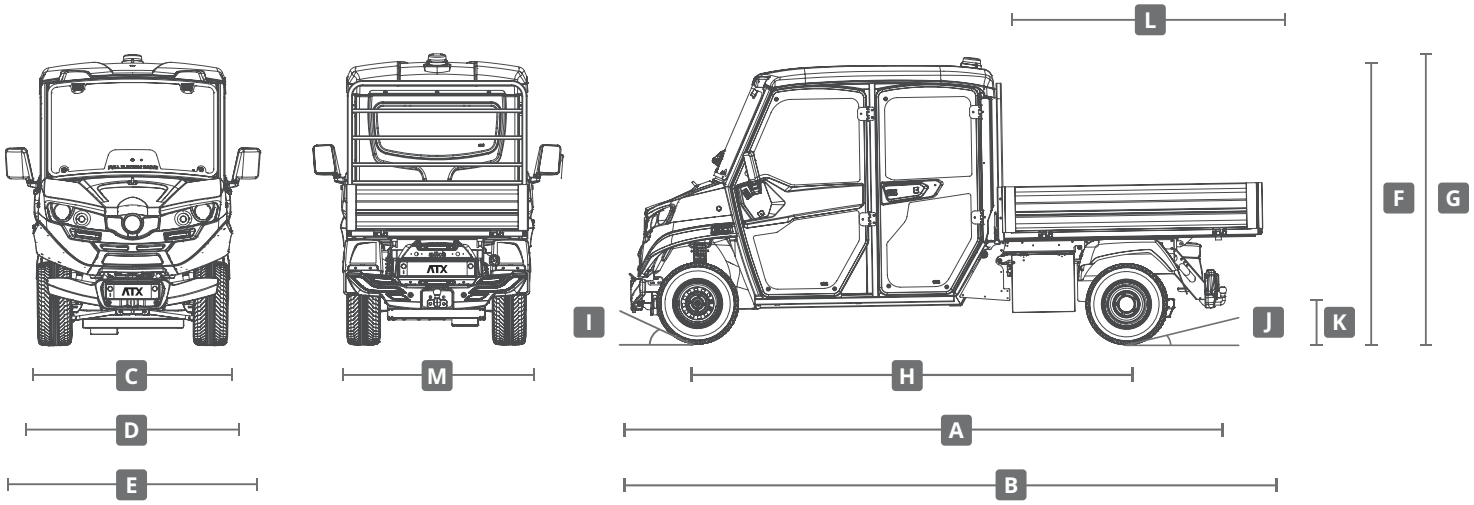
alkè
ELECTRIC VEHICLES

TECHNICAL SPECS

ATX 340 EDX

EXPLOSION PROOF VEHICLES

DR1



certifications available

for EUROPE, ASIA, MIDDLE EAST
in conformity with ATEX 2014/34/EU
3G IIB T3 · 3D IIB T3
2G IIB T3 · 2D IIB T3
M2 T150°C

for AUSTRALIA
2G IIB T3 in conformity with
ATEX 2014/34/EU delivered with
CAD certificate for each vehicle plus an
overall specific ATEX certificate

			340EDX	weight [kg]
CAB SEATS				
seats inside the cab			4	
PERFORMANCE				
top speed		[km/h]	35	
maximum negotiable slope (with high-performance batteries)		[%]	20 (25 empty)	
maximum autonomy	Lead-Acid 14.4 kWh	[km]	95	
	Gel 13.2 kWh	[km]	85	
DIMENSIONS				
A length (chassis version)		[mm]	3.980	
B length (version with cargo bed)		[mm]	4.290	
C vehicle cab width (without rear-view mirrors)		[mm]	1.270	
D vehicle cab width (with wing mirrors closed)		[mm]	1.320	
E vehicle cab width (with wing mirrors open)		[mm]	1.570	
F cab height (with standard tyres)		[mm]	1.850	
G vehicle height with beacon light (with standard tyres)		[mm]	1.940	
H wheelbase		[mm]	2.890	
I approach angle		[°]	40	
J departure angle		[°]	9	
K rear axle distance from ground		[mm]	130	
L maximum loading bed length		[mm]	1.800	
M maximum loading bed width		[mm]	1.500	
standard dropside box dimensions	length x width	[mm]	1.800 x 1.240	
WEIGHTS | CAPACITY AND TOWING				
UVW | unloaded vehicle weight (chassis version with battery)	Lead-Acid 14.4 kWh	[kg]	1.425	
	Gel 13.2 kWh	[kg]	1.425	
maximum traction power		[N]	6.500	
maximum towing capacity (braked trailer)		[kg]	4.000	
maximum chassis load capacity	Lead-Acid 1 4.4 kWh	[kg]	1.085	
	Gel 13.2 kWh	[kg]	1.085	
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)			·	
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			·	
STEERING				
rack and pinion steering			·	
minimum turning radius | internal		[mm]	4.110	

· as standard Δ optional — not compatible

	340EDX	weight [kg]
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)	·	
presence sensor on driver's seat	·	
horn / reverse buzzer	·	
safety switch inside the cab for 48 V drive battery	·	
tyre repair kit	·	
LIGHTS		
front and rear lights in road style	·	
full LED rear lights	·	
orange flashing LED on cab roof	Δ	+ 2.0
CAB | COMFORT		
electric demister	Δ	+ 7.0
adjustable seats	·	
front doors	Δ	
front doors with sliding windows	Δ	+ 0.0
rear doors	Δ	
armrests	·	+ 3.5
headrests	·	
openable front windscreen	·	
manual windscreen wiper	·	
DASHBOARD		
ECO / SPORT selector	·	
speedometer (km / mph)	·	
hour meter	·	
indicators	·	
warning lights — indicators — battery state of charge — battery capacity	·	
warning lights — indicators — motor temperature — inverter temperature	·	
warning lights — indicators — inverter errors — current delivered by inverter	·	
warning lights — indicators — parking brake — brake oil shortage	·	
warning lights — indicators — low beam headlights — electric motor overheating	·	
BATTERY		
type: Lead-Acid 1 4.4 kWh	·	
type: Gel 13.2 kWh	Δ	
number of batteries: Lead-Acid 14.4 kWh	24x2V	
number of batteries: Gel 13.2 kWh	24x2V	
estimated battery life: Lead-Acid 14.4 kWh [cycles]	1.500	
estimated battery life: Gel 13.2 kWh [cycles]	1.200	
estimated battery charge time: Lead-Acid 14.4 kWh [hours]	8	
estimated battery charge time: Gel 13.2 kWh [hours]	11	
consumption for complete recharge: Lead-Acid 14.4 kWh [kWh]	13	
consumption for complete recharge: Gel 13.2 kWh [kWh]	12	
battery charge on vehicle's external (PFC active) (power supply 230V 16A 50-60Hz)	·	
battery swap system: Lead-Acid 14.4 kWh	·	
battery swap system: Gel 13.2 kWh	·	
battery top-up: Lead-Acid 14.4 kWh	·	+ 0.0

		340EDX	weight [kg]
CONFIGURATIONS AND CARGO AREA ACCESSORIES			
dropside body with manual tipping (aluminium drop sides H30 cm)	180 x 123 cm	·	+ 130.0
flatbed for special configurations	180 x 123 cm	Δ	+ 90.0
mesh sides extension H55 cm with rear drop side with upwards opening	for body 180 x 123 cm	Δ	+ 29.0
tarpaulin body H108 cm openable on three sides for dropside body	for body 180 x 123 cm	Δ	+ 30.0
custom colour for tarpaulin body		Δ	+ 0.0
removable rear seats kit with two independent seats, platform and 2-points seat belts		Δ	+ 45.0
tarpaulin roof H105 for rear seats kit		Δ	+ 30.0
ambulance body equipped with spine board and box/seat for medical staff		Δ	+ 75.0
roof for ambulance body		Δ	+ 20.0
box van body H122 cm 180 x 125 cm with sliding doors (2 per side)		Δ	+ 130.0
set 2 shelves for box van body with sliding doors (each shelf covers half of the depth)	180 x 125 cm	Δ	+ 8.0
FRONT / REAR ACCESSORIES			
front pin tow hitch		·	
rear ball tow hitch		·	
front protective bumper		·	
TYRES			
low-profile road tyres (front and rear 255/55 R 12) or road tyres (front and rear 175/70 R14)		·	
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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· as standard Δ optional — not compatible