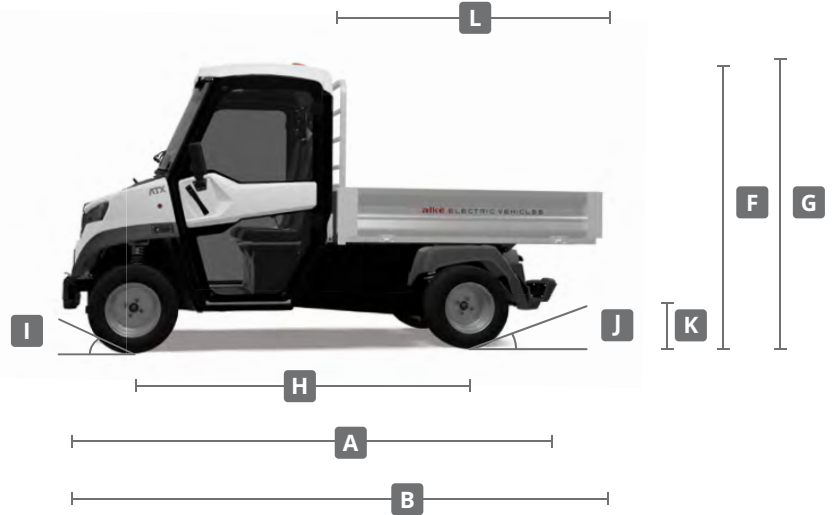
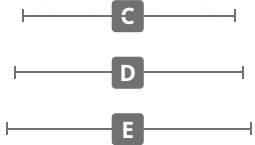




DR1

alkè
ELECTRIC VEHICLES

ATX 320E



ATX 320E

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	
(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.)	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]	—	

DIMENSIONS

A	length (chassis version)	[mm]	3.220
B	length (version with cargo bed)	[mm]	3.530
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]	2.130
I	approach angle	[°]	40
J	departure angle	[°]	13

weight [kg]

weight [kg]

K	rear axle distance from ground	[mm]	130
L	maximum loading bed length	[mm]	1.800
M	maximum loading bed width	[mm]	1.500

WEIGHTS | CAPACITY AND TOWING

UJV unloaded vehicle weight (chassis version with battery)	Lead-Acid 10 kWh	[kg]	900
	Lead-Acid 14.4 kWh	[kg]	—
	Gel 8.7 kWh	[kg]	900
	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]	610
	Lead-Acid 14.4 kWh	[kg]	—
	Gel 8.7 kWh	[kg]	610
	Gel 13.2 kWh	[kg]	—
	Lithium (LiFePO4) 10 kWh	[kg]	—
	Lithium (LiFePO4) 20 kWh	[kg]	—



ATX 320E

weight [kg]

weight [kg]

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	
12M STD Cloud Service license	Δ	
12M PRO 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	.	

STEERING

rack and pinion steering	.	
electric power steering (EPS)	Δ	+ 7.0
minimum turning radius internal [mm]	2.600	

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	.	
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	.			
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 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	—



ATX 320E

			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]	—	
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	+ 130.0
	200 x 140 cm	—	+ 160.0
	250 x 140 cm	—	+ 180.0
pair of side toolboxes		—	+ 20.0

			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	+ 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	—	+ 14.0
	for body 150 x 123 cm	—	
	for body 180 x 123 cm	Δ	+ 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		—
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	+ 30.0
	for body 200 x 140 cm	—	+ 35.0
	for body 250 x 140 cm	—	+ 40.0
	custom colour for tarpaulin body		Δ
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		Δ	+ 30.0
ambulance body equipped with spine board and box/seat for medical staff		!	+ 75.0
roof for ambulance body		Δ	+ 20.0
box van body with side roller shutters H132 cm 180 x 125 cm		Δ	+ 150.0
box van body with side roller shutters H132 cm 200 x 140 cm		—	+ 180.0
set 2 shelves for box van body with sliding doors (each shelf covers half of the depth)	180 x 123 cm	Δ	+ 8.0
	200 x 140 cm	—	+ 12.0
dropside body 150 x 123 cm COMBI		—	+ 140.0
COMBI storage box 45 x 125 cm H110 cm		—	+ 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
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	+ 120.0
isothermal body H130 cm	200 x 140 cm	—	+ 140.0
refrigerated body 0 +4 °C with side and rear door	180 x 124 cm	—	+ 220.0
	200 x 140 cm	—	+ 250.0
COMBI waste collection body (1.7 m3 version)		—	
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



ATX 320E

weight [kg]

waste collection body with bin lift system 3.5m ³	—	+ 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
reverse inching device for easy trailers coupling	—	+ 4.0
semi-trailer coupling system with fifth wheel fitting 2" kingpins	—	+ 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	—	+ 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)	—	
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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