



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
	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 Alkè' ATX vehicle with basic flatbed configuration.)

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 flashing LED on cab roof and standard tyres)	[mm]	1.980
H wheelbase	[mm]	2.130
I approach angle	[°]	40

weight [kg]

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weight [kg]

J departure angle	[°]	13
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

UVW 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]	—



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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	
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]	2.600
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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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weight
[kg]

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	.
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indicators	doors lock	brake oil shortage	.
	lifted cargo bed	heated windshield	side lights

warning lights	low beam headlights	headlights	rear fog light	.
	electric demister	EPS	Webasto fuel shortage	.

warning lights	beacon light	battery on charge status	electric motor overheating	.
	forward gear	backward gear	neutral gear	.

warning lights	emergency lights	aux 1	aux 2	.
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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] —
	Lithium (LiFePO4)	10 kWh	[cycles] —
	Lithium (LiFePO4)	20 kWh	[cycles] —



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weight
[kg]

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 ^(E)
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
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		—	+ 190.0

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weight
[kg]

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
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
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		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
2 shelves for box van body with side roller shutters	180x123 cm	Δ	+ 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	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 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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weight
[kg]

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	•	
snow 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 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 ^(E)



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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Rev. 230525



ISO 9001:2015-BN17607/17301
ISO 14001:2015-BN17607/17302
ISO 45001:2018-BN17607/17303
AEO-IT AEOFP 21 1793

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