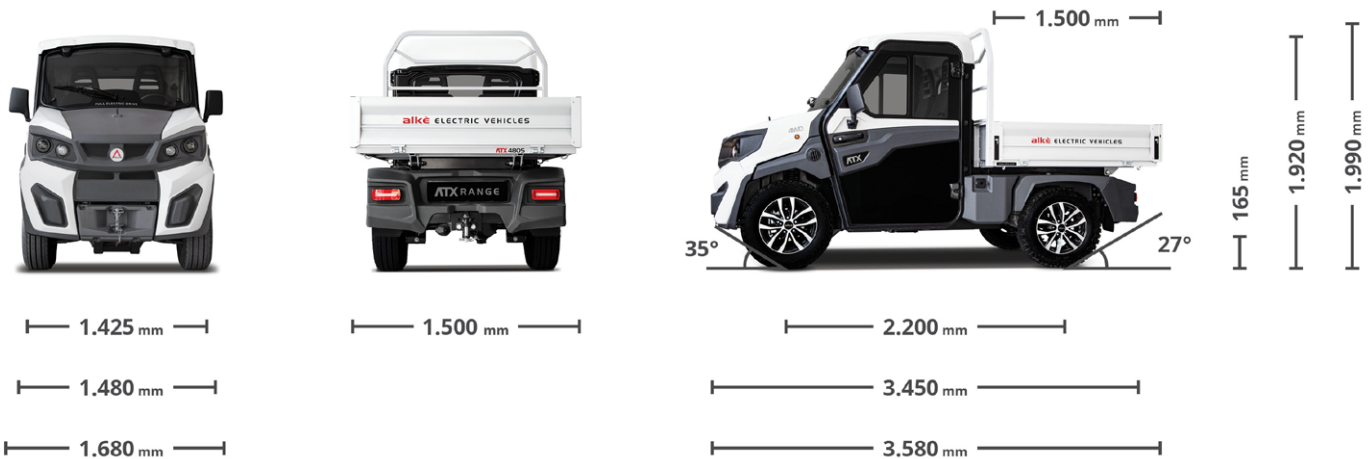




ATX 480S



DR1



ATX 480S

SEATS INSIDE THE CAB:

TYPE-APPROVAL

		kg
EU on-road type-approval	N1	
Right hand drive	-	+0

PERFORMANCE

		kg
Top speed	km/h	54
Top speed - 40 km/h	-	
Maximum negotiable slope (with high-performance batteries)	%	40
Max. autonomy - Lead-Acid 14.4 kWh	km	-
Max. autonomy - Gel 13.2 kWh	km	-
Max. autonomy - Lithium (LiFePO4) 10 kWh	km	-
Max. autonomy - Lithium (LiFePO4) 11,8 kWh	km	98
Max. autonomy - Lithium (LiFePO4) 20 kWh	km	-
Max. autonomy - Lithium (LiFePO4) 23,6 kWh	km	186

DIMENSIONS

		kg
A Length (chassis version)	mm	3.450
B Length (version with cargo bed)	mm	3.580
C Vehicle cab width (w/o rear-view mirrors)	mm	1.425
D Vehicle cab width (with wing mirrors closed)	mm	1.480
E Vehicle cab width (with wing mirrors open)	mm	1.680
F Cab height (with standard tyres)	mm	1.920
G Vehicle height (with flashing LED on cab roof and standard tyres)	mm	1.990
H Wheelbase	mm	2.200
I Approach angle	°	35
J Departure angle	°	27
K Rear axle distance from ground	mm	165
L Maximum loading bed length	mm	1.500
M Maximum loading bed width	mm	1.500

WEIGHTS, CAPACITIES AND TOWING

		kg
UWV unloaded vehicle weight chassis version with Lead-Acid 14.4 kWh battery	kg	-
UWV unloaded vehicle weight chassis version with Gel 13.2 kWh	kg	-
UWV unloaded vehicle weight chassis version with Lithium (LiFePO4) 10 kWh battery	kg	-
UWV unloaded vehicle weight chassis version with Lithium (LiFePO4) 11,8 kWh battery	kg	1.250
UWV unloaded vehicle weight chassis version with Lithium (LiFePO4) 20 kWh battery	kg	-
UWV unloaded vehicle weight chassis version with Lithium (LiFePO4) 23,6 kWh battery	kg	1.320
GVW gross vehicle weight max weight for fully-loaded vehicle	kg	2.300 2.700
GCV gross combined weight max weight for fully-loaded vehicle + trailer	kg	4.250
Max towing capacity (on road braked trailer)	kg	2.000
Max towing capacity (not on road braked trailer)	kg	4.500
Max chassis load capacity (= GVW - UWV) Lead-Acid 14.4 kWh	kg	-
Max chassis load capacity (= GVW - UWV) Gel 13.2 kWh	kg	-
Max chassis load capacity (= GVW - UWV) Lithium (LiFePO4) 10 kWh battery	kg	-
Max chassis load capacity (= GVW - UWV) Lithium (LiFePO4) 11,8 kWh battery	kg	1.450
Max chassis load capacity (= GVW - UWV) Lithium (LiFePO4) 20 kWh battery	kg	-
Max chassis load capacity (= GVW - UWV) Lithium (LiFePO4) 23,6 kWh battery	kg	1.380

• As standard.

Δ Optional.

! Compatible but not type-approved for road circulation.

- Not available.

1 Standard wheelbase for 1.800 mm bodies.

2 Long wheelbase for 2.000 mm or 500+1.500 mm COMBI bodies.

3 Long wheelbase for 2.500 mm or 500+1.500 cm COMBI bodies.



MOTOR AND CONTROLLER			kg
48V AC asynchronous induction electric motor	•		
Maximum motor power	kW	23x2	
Maximum motor torque	Nm	145x2	
CURTIS 48V control electronics	•		
Vehicle performance settings (ECO and SPORT)	•		
Auxiliary cooling system for motor	•		+2
Vehicle Body Computer (VBC)	Δ		
Smart VBC + 3Y data traffic	Δ		
12M STD Cloud Service license	Δ		
12M PRO Cloud Service license	Δ		

TRANSMISSION			kg
Transmission with electronic speed variation	•		
Rear wheel drive	•		
2 wheel drive	-		
4 wheel drive	•		
Heavy duty differential unit	•		

SUSPENSIONS			kg
MacPherson-type independent front suspension	•		
Rear suspension with coil springs, shock absorbers and stabilizer bar	•		

BRAKES			kg
Front hydraulic discs brakes and rear hydraulic drum brakes	-		
Hydraulic front disc brakes with 4-piston calipers	•		
Rear hydraulic drum brakes with mechanical servobrake	-		
Rear drum brakes	•		
Parking brake	•		
Regenerative brake	•		
Electromagnetic parking brake with hill-holder system	Δ		

STEERING			kg
Rack and pinion steering	•		
Electric power steering (EPS)	•		+7
Minimum turning radius internal	mm	3.000	

BODY AND CHASSIS			kg
White body colour	•		
Custom RAL body colour	Δ		+0
High-strength steel frame	•		
Impact-resistant polyethylene front and rear bumpers	•		

SAFETY			kg
3-point seat belt for driver and passenger(s)	•		
Immobilizer and presence sensor on driver's seat	-		
Presence sensor and seat belt on all seats	•		
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			kg
Full LED front and rear lights	•		
Electric headlight height adjustment	•		
Full LED rear lights	•		
Rear fog light and LED reversing light	•		
LED DRL lights	•		
Orange flashing LED on cab roof	Δ		+2
Blue flashing LED on cab roof	Δ		+2
Rear LED work lights	Δ		+2

CAB COMFORT			kg
Timed heated windshield	•		
Electric demister	Δ		+7
Webasto heating (as an alternative to electric demister)	Δ		+13
Semi-automatic climate control (heating + cooling)	Δ		+25
Air conditioning	-		+25
Adjustable seats (sliding + reclining)	•		
Front doors	-		
Front doors with sliding windows	•		+0
Rear doors	-		
Armrests	-		+3.5
Headrests	•		
Cab interior lighting	•		
Sun visors	•		
Car audio system AM/FM/DAB/DAB+ / USB / Bluetooth	Δ		
USB Type A+C connector on your board	•		
Openable front windscreen	•		
Central door locks with remote control	Δ		
Windscreen wiper with windscreen washer	•		

DASHBOARD			kg
ECO / SPORT selector	•		
12V 10A socket	-		
Additional 48V-80Ah plug (switch control on dashboard)	Δ		+2
Speedometer (km / mph)	•		
Hour meter	•		

Indicators : battery capacity • battery state of charge • current delivered by inverter • inverter errors • inverter temperature • motor temperature

Dashboard LCD colour display	-		
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Warning lights: aux 1 • aux 2 • backward gear • battery on charge status • beacon light • brake oil shortage • directional lights • doors lock • electric demister • electric motor overheating • emergency lights • EPS • forward gear • headlights • heated windshield • indicators doors • lifted cargo bed • low beam headlights • neutral gear • power steering • rear fog light • side lights • Webasto fuel shortage

Dashboard LCD colour touch screen display	•		
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Warning lights: air conditioning • aux 1 • aux 2 • backward gear • battery on charge status • beacon light • brake oil shortage • directional lights • doors closure • electric demister • electric motor overheating • emergency lights • forward gear • handbrake engaged • headlights • heated seat • heated windshield • lifted cargo bed • low beam headlights • neutral gear • power steering • rear fog light • safety doors lock • seat belt reminder • service • side lights • Webasto fuel shortage

BATTERIES AND CHARGING			kg
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Lead-Acid 14.4 kWh	-		
Number of batteries	-		
Estimated battery life	cycles		
Estimated battery charge time	hours		
Consumption for complete recharge	kWh		

Gel 13.2 kWh	-		
Number of batteries	-		
Estimated battery life	cycles		
Estimated battery charge time	hours		
Consumption for complete recharge	kWh		

Lithium (LiFePO4) 10 kWh	-		
Number of batteries	-		
Estimated battery life	cycles		
Estimated battery charge time	hours		
Consumption for complete recharge	kWh		

• As standard.

Δ Optional.

! Compatible but not type-approved for road circulation.

- Not available.

1 Standard wheelbase for 1.800 mm bodies.

2 Long wheelbase for 2.000 mm or 500+1.500 mm COMBI bodies.

3 Long wheelbase for 2.500 mm or 500+1.500 cm COMBI bodies.



Lithium (LiFePO4) 11,8 kWh		
Number of batteries		1x51,2V
Estimated battery life	cycles	3.500
Estimated battery charge time	hours	3,5
Consumption for complete recharge	kWh	11
Lithium (LiFePO4) 20 kWh		
Number of batteries		-
Estimated battery life	cycles	-
Estimated battery charge time	hours	-
Consumption for complete recharge	kWh	-
Lithium (LiFePO4) 23,6 kWh		
Number of batteries		1x51,2V
Estimated battery life	cycles	3.500
Estimated battery charge time	hours	7
Consumption for complete recharge	kWh	22
12 V services auxiliary battery		•
Type 2 charging cable - Type 2		Δ
Type 2 charging cable - Schuko (230V 10A)		Δ
Battery charge on vehicle (active PFC - 230V 16A 50-60Hz power supply)		•
External quick battery charge (Lithium only) (power supply 380V 16A 50-60Hz)		-
Battery swap system - Lead-Acid 14.4 kWh		-
Battery swap system - Gel 13.2 kWh		-
CARGO AREA		kg
1.500x1.400 mm S dropside body (aluminium drop sides H30 cm)	Δ	+120
1.800x1.230 mm E dropside body (aluminium drop sides H30 cm)	-	+130
2.000x1.400 mm M dropside body (aluminium drop sides H30 cm)	-	+160
2.500x1.400 mm L dropside body (aluminium drop sides H30 cm)	-	+180
Pair of side toolboxes	-	+20
1.500x1.400 mm S mesh sides extension H55cm with rear drop side with upwards opening	Δ	+30
1.800x1.230 mm E mesh sides extension H55cm with rear drop side with upwards opening	-	+29
2.000x1.400 mm M mesh sides extension H55cm with rear drop side with upwards opening	-	+30
2.500x1.400 mm L mesh sides extension H55cm with rear drop side with upwards opening	-	+40
1.500x1.400 mm S electro-hydraulic tipping for dropside body unit	Δ	+20
1.800x1.230 mm E electro-hydraulic tipping for dropside body unit	-	+15
2.000x1.400 mm M electro-hydraulic tipping for dropside body unit	-	+15
2.500x1.400 mm L electro-hydraulic tipping for dropside body unit	-	+20
1.800x1.230 mm E with three side hydraulic tipping for dropside body unit	-	+190
Removable rear seats kit with two independent seats, platform and 2-points seat belts	-	+45
Tarpaulin roof H105 for rear seats kit	-	+30
Ambulance body equipped with spine board and box/seat for medical staff mounted on 1.800x1.230 mm dropside body	-	+75
Roof for ambulance body	-	+20
1.500x1.400 mm S tarpaulin body H108 openable on three sides for dropside body unit	Δ	+30
1.800x1.230 mm E tarpaulin body H108 openable on three sides for dropside body unit	-	+30
2.000x1.400 mm M tarpaulin body H108 openable on three sides for dropside body unit	-	+35
2.500x1.400 mm L tarpaulin body H108 openable on three sides for dropside body unit	-	+40
Ladder rack for 1.240 mm dropside body unit	-	+4
Ladder rack for 1.400 mm dropside body unit	Δ	+5
1.800x1.260 mm E box van body with side roller shutters H122 cm	-	+150
2 shelves for 1.800x1.260 mm E box van body with side roller shutters H122 cm	-	+8
2.000x1.400 mm M box van body with side roller shutters H132 cm	-	+180
2 shelves for 2.000x1.400 mm M box van body with side roller shutters H132 cm	-	+12

Rear tail lift + 2.000x1.400 mm M dropside body (aluminium drop sides H30 cm)	-	+370
Rear tail lift + 2.500x1.400 mm L dropside body (aluminium drop sides H30 cm)	-	
Rear tail lift + 2.000x1.400 mm M box van body	-	+390
Rear tail lift + 2.500x1.400 mm L box van body	-	
1.800x1.230 mm E isothermal body H130 cm	-	+120
2.000x1.400 mm M isothermal body H130 cm	-	+140
1.800x1.230 mm E refrigerated body 0+4 °C with side and rear door	-	+220
2.000x1.400 mm M refrigerated body 0+4 °C with side and rear door	-	+250
1.500x1.400 mm S 2.2m³ waste collection body	Δ	+200
1.500x1.400 mm S 2.2m³ waste collection body with rear bin lift system and rear-view camera	Δ	+280
2.000x1.400 mm M 2.8m³ waste collection body	-	+240
2.000x1.400 mm M 2.8m³ waste collection body with rear bin lift system and rear-view camera	-	+320
2.500x1.400 mm L 3.5m³ waste collection body	-	+280
2.500x1.400 mm L 3.5m³ waste collection body with rear bin lift system and rear-view camera	-	+360
2.500x1.400 mm L 3.5m³ waste collection body with compactor, rear bin lift system and rear-view camera	-	
Tarp system for S 2.2m³ waste collection body	Δ	+15
Tarp system for M 2.8m³ waste collection body	-	
Tarp system for L 3.5m³ waste collection body	-	
Broom and dustpan holder kit	Δ	+8
Rear bumpers for waste collection body	Δ	
Rear bumpers for waste collection body with rear bin lift system	Δ	
Watering unit with 600 L tank	Δ	+140
Cleaning unit with high pressure washer 600 L tank and 20 m hose	Δ	+150
Fire-fighting module with 600 L tank and 50 m hose	Δ	+130
Hydraulic crane + 1.500x1.240 mm D dropside body unit	-	+540
Hydraulic crane + 2.000x1.400 mm M dropside body unit	-	+650
Hydraulic crane + 2.500x1.400 mm L dropside body unit	-	+650
Semi-trailer coupling system S	Δ	+100
Semi-trailer coupling system M	-	+100
Load lashing eyes on loading bed	Δ	
CARGO AREA - COMBI CONFIGURATIONS		kg
COMBI storage box 450 x 1.250 mm H110 cm + 1.500x1.230 mm D dropside body	-	
COMBI storage box 450 x 1.400 mm H110 cm + 1.500x1.400 mm S dropside body	-	
COMBI storage box 450 x 1.250 mm H110 cm + 1.800x1.230 mm E dropside body	-	+180
COMBI storage box 450 x 1.250 mm H110 cm + 2.000x1.400 mm M dropside body	-	+210
COMBI storage box 450 x 1.400 mm H110 cm + 2.000x1.400 mm M dropside body	-	+210
COMBI storage box 450 x 1.250 mm H110 cm + 1.500x1.230 mm S 1.7m³ waste collection body	-	+230
COMBI storage box 450 x 1.250 mm H110 cm + 1.500x1.400 mm S 2.2m³ waste collection body	-	+250
COMBI storage box 450 x 1.400 mm H110 cm + 1.500x1.400 mm S 2.2m³ waste collection body	Δ	+250
COMBI storage box 450 x 1.250 mm H110 cm + 2.000x1.400 mm M 2.8m³ waste collection body	-	+290
COMBI storage box 450 x 1.400 mm H110 cm + 2.000x1.400 mm M 2.8m³ waste collection body	-	+290
COMBI storage box 450 x 1.250 mm H110 cm + 2.500x1.400 mm L 3.5m³ waste collection body	-	+330
COMBI storage box 450 x 1.400 mm H110 cm + 2.500x1.400 mm L 3.5m³ waste collection body	-	+330
COMBI high pressure cleaner with 210 L tank and 20 m hose + 1.500x1.230 mm D dropside body	-	+210

• As standard.

Δ Optional.

! Compatible but not type-approved for road circulation.

- Not available.

1 Standard wheelbase for 1.800 mm bodies.

2 Long wheelbase for 2.000 mm or 500+1.500 mm COMBI bodies.

3 Long wheelbase for 2.500 mm or 500+1.500 mm COMBI bodies.



COMBI high pressure cleaner with 210 L tank and 20 m hose + 1.500x1.400 mm S dropside body	-	+210
COMBI high pressure cleaner with 210 L tank and 20 m hose + 1.800x1.230 mm E dropside body	-	+ 200
COMBI high pressure cleaner with 210 L tank and 20 m hose + 2.000x1.400 mm M dropside body	-	+230
COMBI high pressure cleaner with 210 L tank and 20 m hose + D 1.7m³ waste collection body	-	+250
COMBI high pressure cleaner with 210 L tank and 20 m hose + S 2.2m³ waste collection body	Δ	+270
COMBI high pressure cleaner with 210 L tank and 20 m hose + M 2.8m³ waste collection body	-	+310
COMBI high pressure cleaner with 210 L tank and 20 m hose + L 3.5m³ waste collection body	-	+350
FRONT AND REAR ACCESSORIES		kg
Snow plough hydraulic kit	Δ	+10
Snow plough hydraulic kit with independent electro-hydraulic unit	Δ	
Snow plough	!	+82
Electric salt spreader	Δ	+50
Ball trailer hitch	•	
Ball & pin trailer hitch	Δ	+3.5
Automatic tow hitch fitting DIN Ø40 drawbar eyes	Δ	
Reverse inching device for easy trailers coupling	Δ	+4
Anti-roll kit	•	+5
Rear hydraulic kit	-	+4
TYRES		kg
225/55 R12 low-profile road tyres	-	
175/70 R14 road tyres	-	
175/75 R14 / 185/75 R14 road tyres	-	
175/70 R14 road winter tyres	-	
175/75 R14 / 185/75 R14 road winter tyres	-	
23x8.50-12 6PR front and 23x10.50-12 8PR rear turf tyres	-	
185/75 R14 off-road tyres	-	
23x8.50-12 4PR front and 23x10.50-12 8PR rear off-road tyres	-	
205/70 R15 road tyres (ECO)	•	
205/70 R15 off-road tyres	Δ	
205/70 R15 winter tyres	Δ	
205/70 R15 M+S 4-season tyres	Δ	
Alloy rims on OE wheel sets	Δ	
Snow chains for road tyres	Δ	
Tyre puncture protection treatment	Δ	
Spare wheels (provided separately)	Δ	
Spare wheel with alloy rims	Δ	



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 a 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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Δ Optional.

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1 Standard wheelbase for 1.800 mm bodies.

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