



# ATX 480DS



DR1



1.425 mm

1.500 mm

3.000 mm

1.480 mm

4.250 mm

1.680 mm

4.375 mm

165 mm

1.920 mm

1.990 mm

## ATX 480DS

SEATS IN THE CAB:

### TYPE-APPROVAL

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

### PERFORMANCE

Top speed	km/h	54	kg
Top speed - 40 km/h		-	
Maximum negotiable slope (with high-performance batteries)	%	35	
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	93	
Max. autonomy - Lithium (LiFePO4) 20 kWh	km	-	
Max. autonomy - Lithium (LiFePO4) 23,6 kWh	km	177	

### DIMENSIONS

<b>A</b> Length (chassis version)	mm	4.250	kg
<b>B</b> Length (version with cargo bed)	mm	4.375	
<b>C</b> Vehicle cab width (w/o rear-view mirrors)	mm	1.425	
<b>D</b> Vehicle cab width (with wing mirrors closed)	mm	1.480	
<b>E</b> Vehicle cab width (with wing mirrors open)	mm	1.680	
<b>F</b> Cab height (with standard tyres)	mm	1.920	
<b>G</b> Vehicle height (with flashing LED on cab roof and standard tyres)	mm	1.990	
<b>H</b> Wheelbase	mm	3.000	
<b>I</b> Approach angle	°	35	
<b>J</b> Departure angle	°	27	
<b>K</b> Rear axle distance from ground	mm	165	
<b>L</b> Maximum loading bed length	mm	1.500	
<b>M</b> Maximum loading bed width	mm	1.500	

### WEIGHTS, CAPACITIES AND TOWING

UWW   unloaded vehicle weight chassis version with Lead-Acid 14.4 kWh battery	kg	-	kg
UWW   unloaded vehicle weight chassis version with Gel 13.2 kWh	kg	-	
UWW   unloaded vehicle weight chassis version with Lithium (LiFePO4) 10 kWh battery	kg	-	
UWW   unloaded vehicle weight chassis version with Lithium (LiFePO4) 11,8 kWh battery	kg	1.480	
UWW   unloaded vehicle weight chassis version with Lithium (LiFePO4) 20 kWh battery	kg	-	
UWW   unloaded vehicle weight chassis version with Lithium (LiFePO4) 23,6 kWh battery	kg	1.550	
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	4.000	
Max chassis load capacity (= GVW - UWW) Lead-Acid 14.4 kWh	kg	-	
Max chassis load capacity (= GVW - UWW) Gel 13.2 kWh	kg	-	
Max chassis load capacity (= GVW - UWW) Lithium (LiFePO4) 10 kWh battery	kg	-	
Max chassis load capacity (= GVW - UWW) Lithium (LiFePO4) 11,8 kWh battery	kg	1.220	
Max chassis load capacity (= GVW - UWW) Lithium (LiFePO4) 20 kWh battery	kg	-	
Max chassis load capacity (= GVW - UWW) Lithium (LiFePO4) 23,6 kWh battery	kg	1.150	

• 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.

4 Weight of storage box.

5 Weight of high pressure cleaner.



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	4.100	

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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<b>Lead-Acid 14.4 kWh</b>		-	
Number of batteries		-	
Estimated battery life	cycles	-	
Estimated battery charge time	hours	-	
Consumption for complete recharge	kWh	-	

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

<b>Lithium (LiFePO4) 10 kWh</b>		-	
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 mm COMBI bodies.

4 Weight of storage box.

5 Weight of high pressure cleaner.



<b>Lithium (LiFePO4) 11,8 kWh</b>		
Number of batteries		1x51,2V
Estimated battery life	cycles	3.500
Estimated battery charge time	hours	3,5
Consumption for complete recharge	kWh	11
<b>Lithium (LiFePO4) 20 kWh</b>		
Number of batteries		-
Estimated battery life	cycles	-
Estimated battery charge time	hours	-
Consumption for complete recharge	kWh	-
<b>Lithium (LiFePO4) 23,6 kWh</b>		
		Δ
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		-
<b>CARGO AREA</b>		<b>kg</b>
1.800x1.230 mm E dropside body (aluminium drop sides H30 cm)	-	+130
1.500x1.400 mm S dropside body (aluminium drop sides H30 cm)	Δ	+140
2.000x1.400 mm M dropside body (aluminium drop sides H30 cm)	-	+200
2.500x1.400 mm L dropside body (aluminium drop sides H30 cm)	-	+220
Pair of side toolboxes		+20
1.800x1.230 mm E mesh sides extension H55cm with rear drop side with upwards opening	-	+29
1.500x1.400 mm S mesh sides extension H55cm with rear drop side with upwards opening	Δ	+35
2.000x1.400 mm M mesh sides extension H55cm with rear drop side with upwards opening	-	+40
2.500x1.400 mm L mesh sides extension H55cm with rear drop side with upwards opening	-	+45
electro-hydraulic tipping for 1.800x1.230 mm E dropside body	-	+15
electro-hydraulic tipping for 1.500x1.400 mm S dropside body	Δ	+25
electro-hydraulic tipping for 2.000x1.400 mm M dropside body	-	+25
electro-hydraulic tipping for 2.500x1.400 mm L dropside body	-	+25
three side hydraulic tipping for 1.800x1.230 mm E with dropside body	-	+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
tarpaulin body H108 openable on three sides for 1.500x1.400 mm S dropside body	-	+30
tarpaulin body H105 openable on three sides for 1.800x1.230 mm E dropside body	Δ	+35
tarpaulin body H105 openable on three sides for 2.000x1.400 mm M dropside body	-	+40
tarpaulin body H105 openable on three sides for 2.500x1.400 mm L dropside body	-	+45
Ladder rack for 1.240 mm dropside body	-	+4
Ladder rack for 1.400 mm dropside body	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	-	+155
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) with mesh extension	-	+500
Rear tail lift + 2.500x1.400 mm L dropside body (aluminium drop sides H30 cm) with mesh extension	-	+525
Rear tail lift + 2.000x1.400 mm M box van body	-	+660
Rear tail lift + 2.500x1.400 mm L box van body	-	+690
1.800x1.230 mm E isothermal body H130 cm	-	+120
2.000x1.400 mm M isothermal body H130 cm	-	+280
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	-	+350
1.500x1.400 mm S 2.2m³ waste collection body	Δ	+210
1.500x1.400 mm S 2.2m³ waste collection body with rear bin lift system and rear-view camera	Δ	+290
2.000x1.400 mm M 2.8m³ waste collection body	-	+300
2.000x1.400 mm M 2.8m³ waste collection body with rear bin lift system and rear-view camera	-	+380
2.500x1.400 mm L 3.5m³ waste collection body	-	+360
2.500x1.400 mm L 3.5m³ waste collection body with rear bin lift system and rear-view camera	-	+440
2.500x1.400 mm L 3.5m³ waste collection body with compactor, rear bin lift system and rear-view camera	-	+525
Tarp system for S 2.2m³ waste collection body	Δ	+10
Tarp system for M 2.8m³ waste collection body	-	+10
Tarp system for L 3.5m³ waste collection body	-	+10
Broom and dustpan holder kit	Δ	+5
Rear bumpers for waste collection body	Δ	+5
Rear bumpers for waste collection body with rear bin lift system	Δ	+10
Watering unit with 600 L tank	-	+140
Cleaning unit with high pressure washer 600 L tank and 20 m hose	Δ	+140
Fire-fighting module with 600 L tank and 50 m hose	Δ	+120
Hydraulic crane + 1.500x1.240 mm D dropside body	-	+400
Hydraulic crane + 2.000x1.400 mm M dropside body	-	+550
Hydraulic crane + 2.500x1.400 mm L dropside body	-	+590
Semi-trailer coupling system S	Δ	+100
Semi-trailer coupling system M	-	+110
Load lashing eyes on loading bed	Δ	
<b>CARGO AREA - COMBI CONFIGURATIONS</b>		<b>kg</b>
COMBI storage box 450 x 1.250 mm H110 cm + 1.500x1.230 mm D dropside body	-	+70 <sup>4</sup>
COMBI storage box 450 x 1.250 mm H110 cm + 1.800x1.230 mm E dropside body	-	+70 <sup>4</sup>
COMBI storage box 450 x 1.400 mm H110 cm + 1.500x1.400 mm S dropside body	-	+70 <sup>4</sup>
COMBI storage box 450 x 1.250 mm H110 cm + 2.000x1.400 mm M dropside body	-	+70 <sup>4</sup>
COMBI storage box 450 x 1.400 mm H110 cm + 2.000x1.400 mm M dropside body	-	+70 <sup>4</sup>
COMBI storage box 450 x 1.250 mm H110 cm + 1.500x1.230 mm S 1.7m³ waste collection body	-	+70 <sup>4</sup>
COMBI storage box 450 x 1.250 mm H110 cm + 1.500x1.400 mm S 2.2m³ waste collection body	-	+70 <sup>4</sup>
COMBI storage box 450 x 1.400 mm H110 cm + 1.500x1.400 mm S 2.2m³ waste collection body	Δ	+70 <sup>4</sup>
COMBI storage box 450 x 1.250 mm H110 cm + 2.000x1.400 mm M 2.8m³ waste collection body	-	+70 <sup>4</sup>
COMBI storage box 450 x 1.250 mm H110 cm + 2.500x1.400 mm L 3.5m³ waste collection body	-	+70 <sup>4</sup>
COMBI storage box 450 x 1.400 mm H110 cm + 2.500x1.400 mm L 3.5m³ waste collection body	-	+70 <sup>4</sup>
COMBI high pressure cleaner with 210 L tank and 20 m hose + 1.500x1.230 mm D dropside body	-	+110 <sup>5</sup>

• 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.

4 Weight of storage box.

5 Weight of high pressure cleaner.



COMBI high pressure cleaner with 210 L tank and 20 m hose + 1.800x1.230 mm E droppside body	-	+110 <sup>5</sup>
COMBI high pressure cleaner with 210 L tank and 20 m hose + 1.500x1.400 mm S droppside body	-	+110 <sup>5</sup>
COMBI high pressure cleaner with 210 L tank and 20 m hose + 2.000x1.400 mm M droppside body	-	+110 <sup>5</sup>
COMBI high pressure cleaner with 210 L tank and 20 m hose + D 1.7m <sup>3</sup> waste collection body	-	+110 <sup>5</sup>
COMBI high pressure cleaner with 210 L tank and 20 m hose + S 2.2m <sup>3</sup> waste collection body	Δ	+110 <sup>5</sup>
COMBI high pressure cleaner with 210 L tank and 20 m hose + M 2.8m <sup>3</sup> waste collection body	-	+110 <sup>5</sup>
COMBI high pressure cleaner with 210 L tank and 20 m hose + L 3.5m <sup>3</sup> waste collection body	-	+110 <sup>5</sup>
<b>FRONT AND REAR ACCESSORIES</b>		<b>kg</b>
Snow plough hydraulic kit	Δ	+10
Snow plough hydraulic kit with independent electro-hydraulic unit	Δ	+20
Snow plough	!	+85
Electric salt spreader	Δ	+70
Ball trailer hitch	.	
Ball & pin trailer hitch	Δ	
Automatic tow hitch fitting DIN Ø40 drawbar eyes	Δ	+5
Reverse inching device for easy trailers coupling	Δ	+10
Anti-roll kit	.	+5
Rear hydraulic kit	-	+4
<b>TYRES</b>		<b>kg</b>
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	-10
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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ISO 9001: 2015 - BN17607/17301  
ISO 14001: 2015 - BN17607/17302  
ISO 45001: 2018 - BN17607/17303  
AEO - IT AEO/21 1793

Rev.  
260130

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• 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.

4 Weight of storage box.

5 Weight of high pressure cleaner.