



ATX 440DS



DR1



1.425 mm

1.500 mm

3.000 mm

1.480 mm

4.250 mm

1.680 mm

4.375 mm

ATX 440DS

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)	%	25	
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	105	
Max. autonomy - Lithium (LiFePO4) 20 kWh	km	-	
Max. autonomy - Lithium (LiFePO4) 23,6 kWh	km	200	

DIMENSIONS

A Length (chassis version)	mm	4.250	kg
B Length (version with cargo bed)	mm	4.375	
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	3.000	
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

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	1.380	
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	1.450	
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	1.320	
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	1.250	

• 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	23	
Maximum motor torque	Nm	145	
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

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

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
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 mm COMBI bodies.

4 Weight of storage box.

5 Weight of high pressure cleaner.



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		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		-	
CARGO AREA			kg
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	
CARGO AREA - COMBI CONFIGURATIONS		kg
COMBI storage box 450 x 1.250 mm H110 cm + 1.500x1.230 mm D dropside body	-	+70 ⁴
COMBI storage box 450 x 1.250 mm H110 cm + 1.800x1.230 mm E dropside body	-	+70 ⁴
COMBI storage box 450 x 1.400 mm H110 cm + 1.500x1.400 mm S dropside body	-	+70 ⁴
COMBI storage box 450 x 1.250 mm H110 cm + 2.000x1.400 mm M dropside body	-	+70 ⁴
COMBI storage box 450 x 1.400 mm H110 cm + 2.000x1.400 mm M dropside body	-	+70 ⁴
COMBI storage box 450 x 1.250 mm H110 cm + 1.500x1.230 mm S 1.7m³ waste collection body	-	+70 ⁴
COMBI storage box 450 x 1.250 mm H110 cm + 1.500x1.400 mm S 2.2m³ waste collection body	-	+70 ⁴
COMBI storage box 450 x 1.400 mm H110 cm + 1.500x1.400 mm S 2.2m³ waste collection body	Δ	+70 ⁴
COMBI storage box 450 x 1.250 mm H110 cm + 2.000x1.400 mm M 2.8m³ waste collection body	-	+70 ⁴
COMBI storage box 450 x 1.250 mm H110 cm + 2.500x1.400 mm L 3.5m³ waste collection body	-	+70 ⁴
COMBI storage box 450 x 1.400 mm H110 cm + 2.500x1.400 mm L 3.5m³ waste collection body	-	+70 ⁴
COMBI high pressure cleaner with 210 L tank and 20 m hose + 1.500x1.230 mm D dropside body	-	+110 ⁵

• 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 dropside body	-	+110 ⁵
COMBI high pressure cleaner with 210 L tank and 20 m hose + 1.500x1.400 mm S dropside body	-	+110 ⁵
COMBI high pressure cleaner with 210 L tank and 20 m hose + 2.000x1.400 mm M dropside body	-	+110 ⁵
COMBI high pressure cleaner with 210 L tank and 20 m hose + D 1.7m ³ waste collection body	-	+110 ⁵
COMBI high pressure cleaner with 210 L tank and 20 m hose + S 2.2m ³ waste collection body	Δ	+110 ⁵
COMBI high pressure cleaner with 210 L tank and 20 m hose + M 2.8m ³ waste collection body	-	+110 ⁵
COMBI high pressure cleaner with 210 L tank and 20 m hose + L 3.5m ³ waste collection body	-	+110 ⁵
FRONT AND REAR ACCESSORIES		kg
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
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	-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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4 Weight of storage box.

5 Weight of high pressure cleaner.