

ATX 480M

ELECTRIC MILITARY VEHICLE



DR1



1425 mm

1480 mm

1680 mm



1500 mm



2700 mm

3950 mm

4080 mm

165 mm

1920 mm

1990 mm

ATX 480M ELECTRIC MILITARY VEHICLE SEATS INSIDE THE CAB: 2

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)	%	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

A	Length (chassis version)	mm	3950	kg
B	Length (version with cargo bed)	mm	4080	
C	Vehicle cab width (w/o rear-view mirrors)	mm	1425	
D	Vehicle cab width (with wing mirrors closed)	mm	1480	
E	Vehicle cab width (with wing mirrors open)	mm	1680	
F	Cab height (with standard tyres)	mm	1920	
G	Vehicle height (with flashing LED on cab roof and standard tyres)	mm	1990	
H	Wheelbase	mm	2700	
I	Approach angle	°	35	
J	Departure angle	°	27	
K	Rear axle distance from ground	mm	165	
L	Maximum loading bed length	mm	2000	
M	Maximum loading bed width	mm	1500	

WEIGHTS, CAPACITIES AND TOWING

UVW unloaded vehicle weight chassis version with Lead-Acid 14.4 kWh battery	kg	-	kg
UVW unloaded vehicle weight chassis version with Gel 13.2 kWh	kg	-	
UVW unloaded vehicle weight chassis version with Lithium (LiFePO4) 10 kWh battery	kg	-	
UVW unloaded vehicle weight chassis version with Lithium (LiFePO4) 11,8 kWh battery	kg	1280	
UVW unloaded vehicle weight chassis version with Lithium (LiFePO4) 20 kWh battery	kg	-	
UVW unloaded vehicle weight chassis version with Lithium (LiFePO4) 23,6 kWh battery	kg	1350	
GVW gross vehicle weight max weight for fully-loaded vehicle	kg	2300 2700	
GCV gross combined weight max weight for fully-loaded vehicle + trailer	kg	4250	
Max towing capacity (on road braked trailer)	kg	2000	
Max towing capacity (not on road braked trailer)	kg	4500	
Max chassis load capacity (= GVW - UVW) Lead-Acid 14.4 kWh	kg	-	
Max chassis load capacity (= GVW - UVW) Gel 13.2 kWh	kg	-	
Max chassis load capacity (= GVW - UVW) Lithium (LiFePO4) 10 kWh battery	kg	-	
Max chassis load capacity (= GVW - UVW) Lithium (LiFePO4) 11,8 kWh battery	kg	1420	
Max chassis load capacity (= GVW - UVW) Lithium (LiFePO4) 20 kWh battery	kg	-	
Max chassis load capacity (= GVW - UVW) Lithium (LiFePO4) 23,6 kWh battery	kg	1350	

• As standard.

Δ Optional.

! Compatible but not type-approved for road circulation.

- Not available.

1 Standard wheelbase for 1800 mm bodies.

2 Long wheelbase for 2000 mm or 500+1500 mm COMBI bodies.

3 Long wheelbase for 2500 mm or 500+1500 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	3500	

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 1800 mm bodies.

2 Long wheelbase for 2000 mm or 500+1500 mm COMBI bodies.

3 Long wheelbase for 2500 mm or 500+1500 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	3500
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	3500
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)	-	+140
2.000x1.400 mm M dropside body (aluminium drop sides H30 cm)	Δ	+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	-	+35
2.000x1.400 mm M mesh sides extension H55cm with rear drop side with upwards opening	Δ	+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	-	+25
electro-hydraulic tipping for 2.000x1.400 mm M dropside body	Δ	+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	-	+35
tarpaulin body H105 openable on three sides for 2.000x1.400 mm M dropside body	Δ	+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	Δ	+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	Δ	+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	Δ	+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	Δ	+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	Δ	+350
1.500x1.400 mm S 2.2m³ waste collection body	-	+210
1.500x1.400 mm S 2.2m³ waste collection body with rear bin lift system and rear-view camera	-	+290
2.000x1.400 mm M 2.8m³ waste collection body	Δ	+300
2.000x1.400 mm M 2.8m³ waste collection body with rear bin lift system and rear-view camera	Δ	+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	-	+10
Tarp system for M 2.8m³ waste collection body	Δ	+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	Δ	+550
Hydraulic crane + 2.500x1.400 mm L dropside body	-	+590
Semi-trailer coupling system S	-	+100
Semi-trailer coupling system M	Δ	+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	Δ	+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	-	+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 1.400 mm H110 cm + 2.000x1.400 mm M 2.8m³ waste collection body	Δ	+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.



Optional.



Compatible but not type-approved for road circulation.



Not available.



Standard wheelbase for 1800 mm bodies.



Long wheelbase for 2000 mm or 500+1500 mm COMBI bodies.



Long wheelbase for 2500 mm or 500+1500 mm COMBI bodies.



Weight of storage box.



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	Δ	+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 1.7m³ waste collection body	-	+110 ⁵
COMBI high pressure cleaner with 210 L tank and 20 m hose + S 2.2m³ waste collection body	-	+110 ⁵
COMBI high pressure cleaner with 210 L tank and 20 m hose + M 2.8m³ waste collection body	Δ	+110 ⁵
COMBI high pressure cleaner with 210 L tank and 20 m hose + L 3.5m³ 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 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.



Via Cile, 5
35127 Padua | Italy



+39.049.8702400
+39.049.761208



info@alke.com

www

www.alke.com



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

Rev.
260130

© 2026 Alkè

• As standard.

Δ Optional.

! Compatible but not type-approved for road circulation.

- Not available.

1 Standard wheelbase for 1800 mm bodies.

2 Long wheelbase for 2000 mm or 500+1500 mm COMBI bodies.

3 Long wheelbase for 2500 mm or 500+1500 mm COMBI bodies.

4 Weight of storage box.

5 Weight of high pressure cleaner.