

	320	weight [kg]
	E	
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 (R101 test with 10.0kWh battery in SPORT mode: 74 km)	Lead-Acid 10 kWh [km]	75
	Lead-Acid 14.4 kWh [km]	—
	Gel 8.7 kWh [km]	60
	Gel 13.2 kWh [km]	—
	Lithium (LiFePO4) 10 kWh [km]	—
	Lithium (LiFePO4) 20 kWh [km]	—

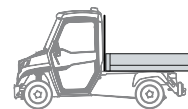
DIMENSIONS		
A length (chassis version)	[mm]	3.220
B length (version with cargo bed)	[mm]	3.530
C vehicle cab width (without rear-view mirrors)	[mm]	1.215
D vehicle cab width (with wing mirrors closed)	[mm]	1.380
E vehicle cab width (with wing mirrors open)	[mm]	1.650
F cab height (with standard tyres)	[mm]	1.890
G vehicle height with beacon light (with standard tyres)	[mm]	1.980
H wheelbase	[mm]	2.130
I approach angle	[°]	40
J departure angle	[°]	13
K rear axle distance from ground	[mm]	130

	320	weight [kg]
	E	
L maximum loading bed length	[mm]	1.800
M maximum loading bed width	[mm]	1.500
standard dropside box dimensions (length x width)	[mm]	1.800 x 1.240
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]	—



	320	weight
	E	[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
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	•	
STEERING		
rack and pinion steering	•	
electric power steering (EPS)	Δ	+ 7.0
minimum turning radius internal [mm]	2.600	
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	•	
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	+ 7.0
Webasto heating (as an alternative to electric demister)	Δ	+ 13.0
air-conditioning	Δ	+ 25.0
adjustable seats	•	
front doors	•	
front doors with sliding windows	Δ	+ 0.0
rear doors	—	
protective grids for front doors	Δ	+ 6.5
armrests	Δ	+ 3.5
headrests	•	

	320	weight
	E	[kg]
rear seat bench	—	+ 22.0
cab interior lighting	•	
car audio system AM/FM with USB and Bluetooth	Δ	
car audio system AM/FM/DAB/DAB+ with USB and Bluetooth	Δ	
rear speakers for 4-seats models	—	
openable front windscreen	•	
central door locks with remote control	Δ	
windscreen wiper with windscreen washer	•	
DASHBOARD		
ECO / SPORT selector	•	
12V 10A socket	•	
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	•	
warning lights	indicators	•
	doors lock	•
	oil shortage	•
	lifted cargo bed	•
	heated windshield	•
	side lights	•
	low beam headlights	•
	headlights	•
	rear fog light	•
	electric demister	•
	EPS	•
	Webasto fuel shortage	•
	beacon light	•
	battery on charge status	•
	electric motor overheating	•
	forward gear	•
	backward gear	•
	neutral gear	•
	emergency lights	•
	aux 1	•
	aux 2	•
BATTERY		
type	Lead-Acid 10 kWh	•
	Lead-Acid 14.4 kWh	—
	Gel 8.7 kWh	Δ
	Gel 13.2 kWh	—
	Lithium (LiFePO4) 10 kWh	—
	Lithium (LiFePO4) 20 kWh	—
number of batteries	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	—



			320	weight
			E	[kg]
estimated battery life	Lead-Acid 10 kWh	[cycles]	1.200	
	Lead-Acid 14.4 kWh	[cycles]	—	
	Gel 8.7 kWh	[cycles]	700	
	Gel 13.2 kWh	[cycles]	—	
	Lithium (LiFePO4) 10 kWh	[cycles]	—	
	Lithium (LiFePO4) 20 kWh	[cycles]	—	
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)			.	
external quick battery charge (Lithium only)	(power supply 380V 16A 50-60Hz)		—	(ext.) +15.0
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

		320	weight
		E	[kg]
flatbed for special configurations	130 x 123 cm	—	+ 80.0
	180 x 123 cm	Δ	+ 90.0
	200 x 140 cm	—	+ 120.0
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
COMBI mesh sides extension H55 cm 150 x 123 cm with rear drop side 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
dropside body 180 x 123 cm with three side hydraulic tipping		—	+ 190.0
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
tarpaulin body H115 cm openable on three sides for dropside body		—	
custom colour for tarpaulin body		Δ	+ 0.0
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
ambulance body equipped with spine board and box/seat for medical staff		!	+ 75.0
roof for ambulance body		Δ	+ 20.0
box van body H122 cm 180 x 125 cm with sliding doors (2 per side)		Δ	+ 130.0
box van body H122 cm 200 x 140 cm with sliding doors (2 per side)		—	+ 170.0
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
set 2 shelves for box van body with sliding doors (each shelf covers half of the depth)	180 x 125 cm	Δ	+ 8.0
	200 x 140 cm	—	+ 12.0
dropside body 150 x 123 cm COMBI		—	
COMBI storage box 45 x 125 cm H110 cm		—	
COMBI waste collection body (1.7 m3 version)		—	
watering unit with 600 L tank		—	+ 140.0
COMBI high pressure cleaner with 210 L tank and 20 m hose		—	
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 H122 cm	180 x 125 cm	Δ	+ 120.0
	200 x 140 cm	—	+ 140.0
isothermal body H132 cm		—	
refrigerated body 0 +4 °C with side and rear door	180 x 124 cm	—	+ 220.0
	200 x 140 cm	—	+ 250.0
waste collection body		Δ	+ 200.0
waste collection body with bin lift system		—	+ 280.0
tarp system for waste collection body		Δ	+ 15.0
broom and dustpan holder kit		Δ	+ 8.0
semi-trailer coupling system fitting DIN Ø40 drawbar eyes		—	+ 60.0
reverse inching device for easy trailers coupling		—	+ 4.0
semi-trailer coupling system with fifth wheel fitting 2" kingpins		—	+ 100.0

	320 E	weight [kg]
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 drawbar eyes	—	+ 15.0
for easy trailers coupling	•	
rear 13 pin connector	•	
show 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, 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)	—	
spare wheel (provided separately)	Δ	(ext.) +18.0

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:** approximate and obtained on a flat surface, in optimum usage conditions, with ECO mode and energy saver and adopting a correct driving style, at a speed no higher than 60% of the maximum speed, for non-continuous use (battery discharged in 5 hours). **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 761208



info@alke.com

WWW

www.alke.com



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