

**alkè**  
ELECTRIC VEHICLES



**ATX**  
R A N G E

↕  
**CLOUD  
CONNECTED**

**Li**  
**LITHIUM  
POWERED**



**ELECTRIC VEHICLES**

**DELIVERING SOLUTIONS**





**ATX**  
R A N G E

## • ELECTRIC VEHICLES



### ECOLOGICAL

**Zero CO2 emissions and no noise pollution.**

The Alke' electric vehicles work in closed environments, in restricted traffic areas and where there are strict environmental limits. Mobility is no longer a problem within hospitals, recovery centres, university campuses, sporting arenas, natural protected areas and cultural sites.



### ROAD DRIVING

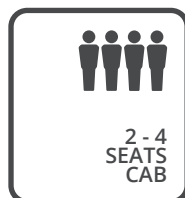
**N1 type-approved for road circulation in Europe.**

Alke' electric vehicle are always at the centre of city life and are ideal for use by municipalities, logistical operators in historic city centres, environmental and waste collection services, postal services, catering services, street food, etc.

### ALWAYS READY

**High autonomy and non-stop operation for shift work.**

Alke' electric vehicles are always by your side. Choose a high capacity battery, a quick charge system for Lithium batteries or the battery swap system and you will never be left standing.



## HIGH-PERFORMANCE

High performance Motors and Controllers.

The Alke' electric vehicles are fitted with motors providing high torque and gradual power distribution, ideal for intensive industrial use and at the same time, for handling demanding off-road terrain, such as sand, snow or ice.



## ROBUST

Designed to last.

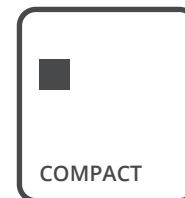
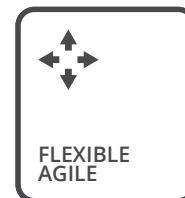
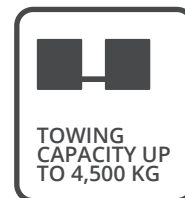
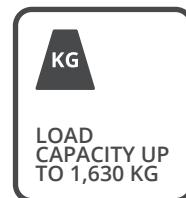
Alke' electric vehicles are fitted with technical solutions and components originating from the off-road and industrial sectors which, together with high level construction standards, make them unique in terms of robustness and reliability.



## COMPACT BUT TENACIOUS

Versatility in a concentrated form.

Alke' electric vehicles are compact, ideal for working in restricted areas (also indoors), but at the same time offer service levels which are second to none when compared to similar vehicles; it is no coincidence that they are the preferred choice for the most important European industrial players, and not only.





HUNDREDS  
OF AVAILABLE  
SOLUTIONS

**Find out among  
our configurations  
the best solution  
for your needs!**

Alke' can  
develop special  
configurations  
upon request.

All the  
configurations  
presented are  
available for the  
vehicles with:

2-seat  
cab

4-seat  
cab

left-hand  
drive

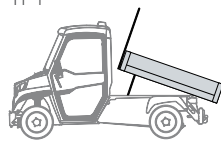
right-hand  
drive

DR1



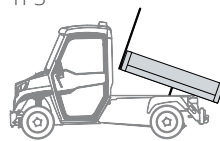
Dropside  
body

TP1



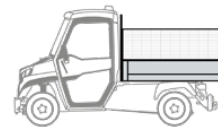
Dropside  
tipper body

TP3



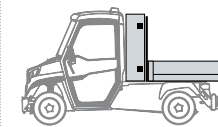
3-side  
tipper body

ME1



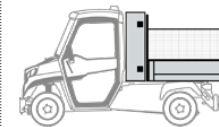
Dropside body with  
mesh sides extension

DR2



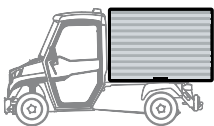
Dropside body with  
front storage box

ME2



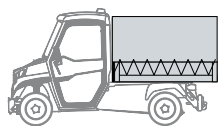
Dropside body with  
front storage box  
+ mesh sides extension

BV2



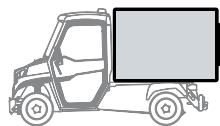
Box van body with  
roller shutter doors

TA1



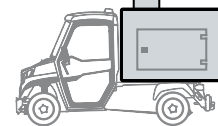
Tarpaulin body  
openable on three sides

IS1



Isothermal  
body

RE1



Refrigerated body  
0 +4 °C

TL1



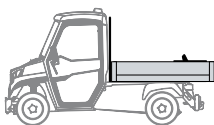
Tail lift and dropside body  
+ mesh sides extension

TL2



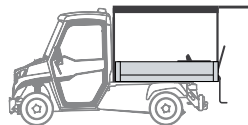
Tail lift and  
box van body

RS1



Rear  
seats kit

RS2



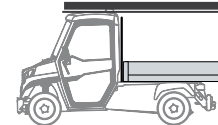
Rear seats kit  
with roof

RS3



Box van body with  
double bench seats

LH1



Roof ladder  
holder

AM1



Ambulance  
body

AM2



Ambulance body  
with roof

## Off-road Vehicles

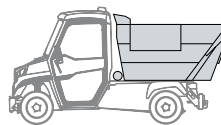
Vehicle with set-up and  
tyres for off-road use,  
also compatible with  
alternative cargo area  
configurations.

OR1



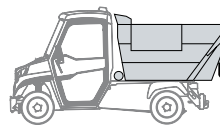
Off-road  
version

WA1



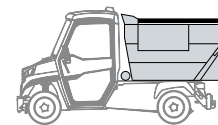
Waste collection  
body

WA2



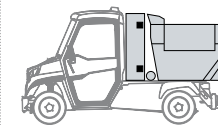
Waste collection body  
with rear bin lift system

WA3



Waste collection body  
with tarp system

WA4



Waste collection body  
with front storage box

WA5



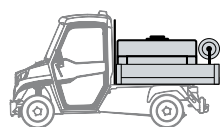
Waste collection body  
with power washer

FF1



Water-based  
firefighting unit

WP1



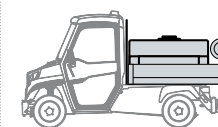
Watering unit

CL1



Cleaning unit  
with high pressure  
washer 210 L

CL2



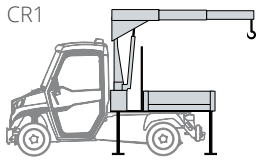
Cleaning unit  
with high pressure  
washer 600 L

TW1

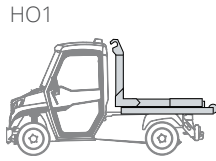


Hitch for airport  
operations with  
rear control panel

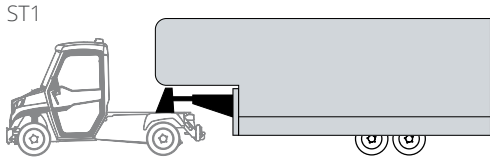




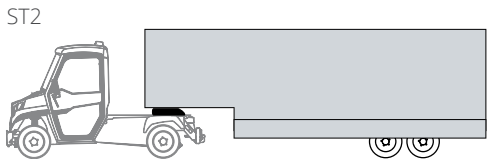
CR1  
Dropside body with crane



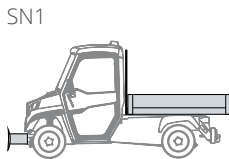
HO1  
Hooklift



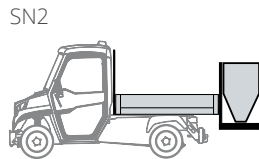
ST1  
Semi-trailer coupling system fitting DIN Ø40 drawbar eyes



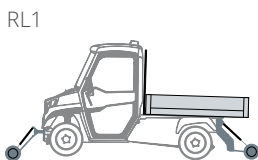
ST2  
Semi-trailer coupling system with fifth wheel fitting 2" kingpins



SN1  
Front snow plough



SN2  
Rear salt spreader



RL1  
Rail-System for Rail truck conversion



CUSTOM  
Costumised configurations



ATX RANGE	autonomy [ km* ]	load capacity [ kg* ]	cargo area [ mm ]	towing capacity on road [ kg* ]	towing capacity not on road [ kg* ]	cab seats [ persons ]
ATX 340E	200	1.275	2.000 X 1.400 1.800 x 1.230	2.000	3.000	2
ATX 340EH	190	1.630	2.500 X 1.400 2.000 X 1.400 1.800 x 1.230	2.000	4.500	2
ATX 340ED	190	1.155	2.000 X 1.400 1.800 x 1.230	2.000	3.000	3
ATX 330E	64	1.220	2.000 X 1.400 1.800 x 1.230	2.000	3.000	2
ATX 320E	72	610	1.800 x 1.230	1.200	2.000	2
ATX 310E	72	620	1.300 x 1.230	1.200	2.000	2

\* Maximum indicative values under optimum conditions, refer to the data sheet on the following pages for additional or more detailed information.







## DO YOU WANT THE BEST ON AND OFF-ROAD?

Choose the top of the range ATX 340E model with 20kWh lithium battery for on-road use with high autonomy or opt for its heavy-duty ATX 340EH version if you need maximum torque for off-road use or for intensive workloads in industrial environments.

Choose the load area configuration that best suits your needs with 3 different platform lengths available and dozens of open or closed layouts, including a combination version.





CO<sub>2</sub>

Increase driving comfort by adding EPS and cab air conditioning to your vehicle configuration.

Allow your operations centre to follow the activities of your electric vehicle fleet with the ALKE VBC package that connects you to the ALKE cloud for real-time remote monitoring and diagnostics of each vehicle on site.

Extend your operations with the optional fast charger for 24-hour operation.

Enable the movement of teams of up to 4 people with the dual cab design of the ATX 340ED and 340EDH.





## PUBLIC SECTOR

municipal services, hospitals, school and university campuses, community services, cemeteries, park and green area maintenance, waste collection services, ecological and environmental services, civil protection, fire-prevention services, maintenance services in historical centres



**ATX**  
R A N G E



## INDUSTRY AND COMMERCE

industrial plants, shipyards, logistical centres, ports and airports, inter-ports, railway stations, exhibition structures, postal and courier services, catering services, home delivery services, conference centres, shopping centres



## TOURISM SECTOR

holiday parks, resorts, residences and hotels, golf clubs, parks, camp sites, beaches, seaside resorts, tourist-cultural sites, cultural sites, zoos and amusement parks, sport centres, ski centres, first aid services



READY  
FOR ANY  
SECTOR

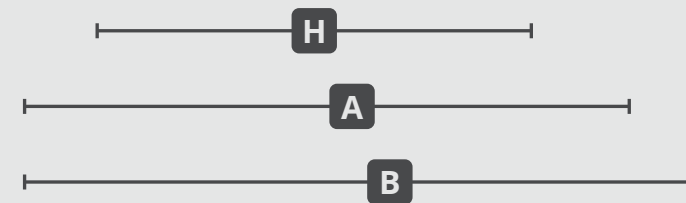
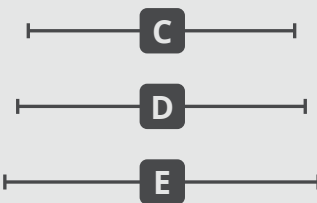
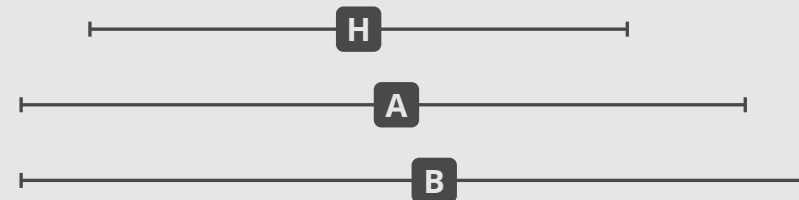
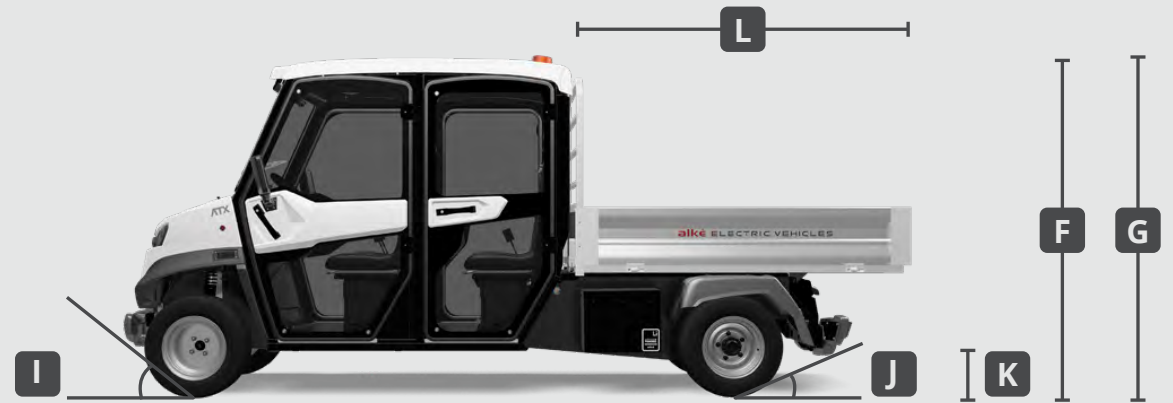


## AGRICULTURE SECTOR

farms, farmhouses, riding schools, organic farming centres, fish farms, vineyards, wooded areas, garden centres, nurseries, floriculture, greenhouses, estates on flat or hilly terrain, maintenance of parks of villas and castles



The ATX electric vehicles are available with 5 different wheelbases, left-hand drive and right-hand drive, cab with 2 or 4 seats, 3 different sized cargo beds with the possibility of customised variants upon request.





		310	320	330				340				weight [kg]
		E	E	E	ED	EH	EDH	E	ED	EH	EDH	
<b>TYPE-APPROVAL   CAB SEATS</b>												
EU on-road type-approval		N1	N1	N1	N1	N1	N1	N1	N1	N1	N1	
seats inside the cab		2	2	2	4	2	4	2	4	2	4	
right-hand drive		Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	+ 0.0
<b>PERFORMANCE</b>												
top speed	[ km/h ]	44	44	44	44	35	35	44	44	35	35	
maximum negotiable slope (with high-performance batteries)	[ % ]	30	30	32	27	35	30	30	25	35	30	
maximum autonomy	Lead-Acid 10 kWh	72	72	64	64	64	64					
	Lead-Acid 14.4 kWh							119	111	111	101	
(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.)	Gel 8.7 kWh	61	61	54	54	54	54					
	Gel 13.2 kWh							101	94	94	86	
	Lithium (LiFePO4) 10 kWh							86	85	85	85	
	Lithium (LiFePO4) 20 kWh							200	190	190	181	
<b>DIMENSIONS</b>												
A length (chassis version)	[ mm ]	2.860	3.220	3.220	3.980	3.220	3.980	3.220	3.980	3.220 <sup>(1)(2)</sup> 3.720 <sup>(3)</sup>	3.980	
B length (version with cargo bed)	[ mm ]	3.030	3.530	3.530 <sup>(1)</sup> 3.730 <sup>(2)</sup>	4.290 <sup>(1)</sup> 4.490 <sup>(2)</sup>	3.530 <sup>(1)</sup> 3.730 <sup>(2)</sup>	4.290 <sup>(1)</sup> 4.490 <sup>(2)</sup>	3.530 <sup>(1)</sup> 3.730 <sup>(2)</sup>	4.290 <sup>(1)</sup> 4.490 <sup>(2)</sup>	3.530 <sup>(1)</sup> 3.730 <sup>(2)</sup> 4.230 <sup>(3)</sup>	4.290 <sup>(1)</sup> 4.490 <sup>(2)</sup>	
C vehicle cab width (without rear-view mirrors)	[ mm ]	1.215	1.215	1.215	1.215	1.215	1.215	1.215	1.215	1.215	1.215	
D vehicle cab width (with wing mirrors closed)	[ mm ]	1.380	1.380	1.380	1.380	1.380	1.380	1.380	1.380	1.380	1.380	
E vehicle cab width (with wing mirrors open)	[ mm ]	1.650	1.650	1.650	1.650	1.650	1.650	1.650	1.650	1.650	1.650	
F cab height (with standard tyres)	[ mm ]	1.890	1.890	1.890	1.890	1.890	1.890	1.890	1.890	1.890	1.890	
G vehicle height with beacon light (with standard tyres)	[ mm ]	1.980	1.980	1.980	1.980	1.980	1.980	1.980	1.980	1.980	1.980	
H wheelbase	[ mm ]	1.850	2.130	2.130 <sup>(1)</sup> 2.230 <sup>(2)</sup>	2.890 <sup>(1)</sup> 2.990 <sup>(2)</sup>	2.130 <sup>(1)</sup> 2.230 <sup>(2)</sup>	2.890 <sup>(1)</sup> 2.990 <sup>(2)</sup>	2.130 <sup>(1)</sup> 2.230 <sup>(2)</sup>	2.890 <sup>(1)</sup> 2.990 <sup>(2)</sup>	2.130 <sup>(1)</sup> 2.230 <sup>(2)</sup> 2.630 <sup>(3)</sup>	2.890 <sup>(1)</sup> 2.990 <sup>(2)</sup>	
I approach angle	[ ° ]	40	40	40	40	40	40	40	40	40	40	
J departure angle	[ ° ]	16	13	13 <sup>(1)</sup> 11 <sup>(2)</sup>	10 <sup>(1)</sup> 9 <sup>(2)</sup>	13 <sup>(1)</sup> 11 <sup>(2)</sup>	10 <sup>(1)</sup> 9 <sup>(2)</sup>	12 <sup>(1)</sup> 10 <sup>(2)</sup>	9 <sup>(1)</sup> 8 <sup>(2)</sup>	12 <sup>(1)</sup> 10 <sup>(2)(3)</sup>	9 <sup>(1)</sup> 8 <sup>(2)</sup>	
K rear axle distance from ground	[ mm ]	130	130	130	130	130	130	130	130	130	130	
L maximum loading bed length	[ mm ]	1.400	1.800	1.800 <sup>(1)</sup> 2.000 <sup>(2)</sup>	1.800 <sup>(1)</sup> 2.000 <sup>(2)</sup>	1.800 <sup>(1)</sup> 2.000 <sup>(2)</sup>	1.800 <sup>(1)</sup> 2.000 <sup>(2)</sup>	1.800 <sup>(1)</sup> 2.000 <sup>(2)</sup>	1.800 <sup>(1)</sup> 2.000 <sup>(2)</sup>	1.800 <sup>(1)</sup> 2.000 <sup>(2)</sup> 2.500 <sup>(3)</sup>	1.800 <sup>(1)</sup> 2.000 <sup>(2)</sup>	
M maximum loading bed width	[ mm ]	1.400	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	
<b>WEIGHTS   CAPACITY AND TOWING</b>												
UWV   unloaded vehicle weight (chassis version with battery)												
	Lead-Acid 10 kWh	890	900	930	1.050	935	1.055					
	Lead-Acid 14.4 kWh							1.170	1.290	1.175 <sup>(1)(2)</sup> 1.370 <sup>(3)</sup>	1.295	
	Gel 8.7 kWh	890	900	930	1.050	935	1.055					
	Gel 13.2 kWh							1.170	1.290	1.175	1.295	
	Lithium (LiFePO4) 10 kWh							875	995	880 <sup>(1)(2)</sup> 1.030 <sup>(3)</sup>	1000	
	Lithium (LiFePO4) 20 kWh							965	1085	970 <sup>(1)(2)</sup> 1.120 <sup>(3)</sup>	1.090	
GVW   gross vehicle weight (max weight for fully-loaded vehicle)	[ kg ]	1.510	1.510	2.150	2.150	2.510	2.510	2.150	2.150	2.510	2.510	
GCW   gross combined weight (max weight for fully-loaded vehicle + trailer)	[ kg ]	2.500	2.500	4.100	4.100	4.100	4.100	4.100	4.100	4.100	4.100	
maximum towing capacity (on road   braked trailer)	[ kg ]	1.200	1.200	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	
maximum traction power	[ N ]	2.800	2.800	5.230	5.230	6.500	6.500	5.230	5.230	6.500	6.500	
maximum towing capacity (not on road   braked trailer)	[ kg ]	2.000	2.000	3.000	3.000	4.500	4.000	3.000	3.000	4.500	4.000	
maximum chassis load capacity (= GVW - UWV)												
	Lead-Acid 10 kWh	620	610	1.220	1.100	1.575	1.455					
	Lead-Acid 14.4 kWh							980	860	1.335 <sup>(1)(2)</sup> 1.140 <sup>(3)</sup>	1.215	
	Gel 8.7 kWh	620	610	1.220	1.100	1.575	1.455					
	Gel 13.2 kWh							980	860	1.335 <sup>(1)(2)</sup>	1.215	
	Lithium (LiFePO4) 10 kWh							1.275	1.155	1.630 <sup>(1)(2)</sup> 1.480 <sup>(3)</sup>	1.510	
	Lithium (LiFePO4) 20 kWh							1.185	1.065	1.540 <sup>(1)(2)</sup> 1.390 <sup>(3)</sup>	1.420	

	310	320	330				340				weight [kg]
	E	E	E	ED	EH	EDH	E	ED	EH	EDH	
<b>MOTOR   CONTROLLER</b>											
48V AC asynchronous induction electric motor	•	•	•	•	•	•	•	•	•	•	
maximum motor power [ kW ]	14	14	14	14	14	14	14	14	14	14	
maximum motor torque [ Nm ]	113	113	113	113	113	113	113	113	113	113	
CURTIS 48V control electronics	•	•	•	•	•	•	•	•	•	•	
vehicle performance settings (ECO and SPORT)	•	•	•	•	•	•	•	•	•	•	
auxiliary cooling system for motor / controller	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	+ 2.0
Vehicle Body Computer (VBC)	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	
12M STD Cloud Service license	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	
12M PRO Cloud Service license	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	
<b>TRANSMISSION</b>											
transmission with electronic speed variation	•	•	•	•	•	•	•	•	•	•	
rear wheel drive	•	•	•	•	•	•	•	•	•	•	
heavy duty differential unit	•	•	•	•	•	•	•	•	•	•	
<b>SUSPENSIONS</b>											
front suspension with MacPherson type independent wheels	•	•	•	•	•	•	•	•	•	•	
rear suspension with De-Dion bridge and stabiliser bar	•	•	•	•	•	•	•	•	•	•	
<b>BRAKES</b>											
front hydraulic discs brakes and rear hydraulic drum brakes	•	•	•	•	•	•	•	•	•	•	
rear hydraulic drum brakes with mechanical servobrake	•	•	•	•	•	•	•	•	•	•	
parking brake	•	•	•	•	•	•	•	•	•	•	
regenerative brake	•	•	•	•	•	•	•	•	•	•	
<b>STEERING</b>											
rack and pinion steering	•	•	•	•	•	•	•	•	•	•	
electric power steering (EPS)	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	+ 7.0
minimum turning radius   internal [ mm ]	2.300	2.600	2.600 <sup>(1)</sup> 2.620 <sup>(2)</sup>	4.110 <sup>(1)</sup> 4.130 <sup>(2)</sup>	2.600 <sup>(1)</sup> 2.620 <sup>(2)</sup>	4.110 <sup>(1)</sup> 4.130 <sup>(2)</sup>	2.600 <sup>(1)</sup> 2.620 <sup>(2)</sup>	4.110 <sup>(1)</sup> 4.130 <sup>(2)</sup>	2.600 <sup>(1)</sup> 2.620 <sup>(2)</sup> 4.100 <sup>(3)</sup>	4.110 <sup>(1)</sup> 4.130 <sup>(2)</sup>	
<b>BODY   CHASSIS</b>											
white body	•	•	•	•	•	•	•	•	•	•	
customised body colour	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	+ 0.0
steel chassis with anti-corrosion treatment and powder coating finish	•	•	•	•	•	•	•	•	•	•	
impact-resistant polyethylene front and rear bumpers	•	•	•	•	•	•	•	•	•	•	
<b>SAFETY</b>											
3-point seat belt for driver and passenger(s)	•	•	•	•	•	•	•	•	•	•	
immobilizer and presence sensor on driver's seat	•	•	•	•	•	•	•	•	•	•	
steering lock with key	•	•	•	•	•	•	•	•	•	•	
horn / reverse buzzer	•	•	•	•	•	•	•	•	•	•	
rear view camera with LCD rear view monitor	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	
forward gear buzzer activable from dashboard	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	
safety switch inside the cab for 48 V drive battery	•	•	•	•	•	•	•	•	•	•	
safety switch inside the cab for 12 V service battery	•	•	•	•	•	•	•	•	•	•	
tyre repair kit	•	•	•	•	•	•	•	•	•	•	
<b>LIGHTS</b>											
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	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	+ 2.0
blue flashing LED on cab roof	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	+ 2.0
<b>CAB   COMFORT</b>											
timed heated windshield	•	•	•	•	•	•	•	•	•	•	
electric demister	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	+7
Webasto heating (as an alternative to electric demister)	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	+ 13.0
air-conditioning	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	+ 25.0
adjustable seats	•	•	•	•	•	•	•	•	•	•	
front doors	•	•	•	•	•	•	•	•	•	•	



	310		320		330			340				weight [kg]
	E	E	E	ED	EH	EDH	E	ED	EH	EDH		
front doors with sliding windows	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	+ 0.0
rear doors												
armrests	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	+ 3.5
headrests	.	.	.	.	.	.	.	.	.	.	.	
rear seat bench				!		!		!		!		+ 22.0
cab interior lighting	.	.	.	.	.	.	.	.	.	.	.	
sun visors	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	
rear-view camera with internal LCD color monitor	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	
car audio system AM/FM/DAB/DAB+ with USB and Bluetooth	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	
rear speakers for 4-seats models				Δ		Δ		Δ		Δ		
openable front windscreen	.	.	.	.	.	.	.	.	.	.	.	
central door locks with remote control	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	
windscreen wiper with windscreen washer	.	.	.	.	.	.	.	.	.	.	.	
<b>DASHBOARD</b>												
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	.	.	.	.	.	.	.	.	.	.	.	
brake oil shortage	.	.	.	.	.	.	.	.	.	.	.	
side lights	.	.	.	.	.	.	.	.	.	.	.	
lifted cargo bed	.	.	.	.	.	.	.	.	.	.	.	
heated windshield	.	.	.	.	.	.	.	.	.	.	.	
low beam headlights	.	.	.	.	.	.	.	.	.	.	.	
headlights	.	.	.	.	.	.	.	.	.	.	.	
rear fog light	.	.	.	.	.	.	.	.	.	.	.	
electric demister	.	.	.	.	.	.	.	.	.	.	.	
Webasto fuel shortage	.	.	.	.	.	.	.	.	.	.	.	
beacon light	.	.	.	.	.	.	.	.	.	.	.	
battery on charge status	.	.	.	.	.	.	.	.	.	.	.	
electric motor overheating	.	.	.	.	.	.	.	.	.	.	.	
forward gear	.	.	.	.	.	.	.	.	.	.	.	
backward gear	.	.	.	.	.	.	.	.	.	.	.	
neutral gear	.	.	.	.	.	.	.	.	.	.	.	
aux 1	.	.	.	.	.	.	.	.	.	.	.	
aux 2	.	.	.	.	.	.	.	.	.	.	.	
<b>BATTERY</b>												
type												
type												
type / capacity												
Lead-Acid 10 kWh	.	.	.	.	.	.	.	.	.	.	.	
Lead-Acid 14.4 kWh	.	.	.	.	.	.	.	.	.	.	.	
Gel 8.7 kWh	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	
Gel 13.2 kWh												
Lithium (LiFePO4) 10 kWh												
Lithium (LiFePO4) 20 kWh												
number of batteries												
Lead-Acid 10 kWh	8x6V	8x6V	8x6V	8x6V	8x6V	8x6V	8x6V	8x6V	8x6V	8x6V	8x6V	
Lead-Acid 14.4 kWh												
Gel 8.7 kWh	8x6V	8x6V	8x6V	8x6V	8x6V	8x6V	8x6V	8x6V	8x6V	8x6V	8x6V	
Gel 13.2 kWh												
Lithium (LiFePO4) 10 kWh												
Lithium (LiFePO4) 20 kWh												
estimated battery life												
Lead-Acid 10 kWh [cycles]	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	
Lead-Acid 14.4 kWh [cycles]												
Gel 8.7 kWh [cycles]	700	700	700	700	700	700	700	700	700	700	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	8	8	8	8	8	8	8	8	8	8	
Lead-Acid 14.4 kWh [hours]												
Gel 8.7 kWh [hours]	11	11	11	11	11	11	11	11	11	11	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]												

. as standard   Δ optional   ! compatible but not type-approved for road circulation   <sup>(1)</sup> vehicle with standard wheelbase   <sup>(2)</sup> long wheelbase for 200 cm or 50+150 cm COMBI.   <sup>(3)</sup> long wheelbase for 250 cm or 50+150 cm COMBI.

			310	320	330				340				weight [kg]	
			E	E	E	ED	EH	EDH	E	ED	EH	EDH		
consumption for complete recharge	Lead-Acid 10 kWh [ kWh ]		9	9	9	9	9	9						
	Lead-Acid 14.4 kWh [ kWh ]								13	13	13	13		
	Gel 8.7 kWh [ kWh ]		7.5	7.5	7.5	7.5	7.5	7.5						
	Gel 13.2 kWh [ kWh ]								12	12	12	12		
	Lithium (LiFePO4) 10 kWh [ kWh ]								9	9	9	9		
	Lithium (LiFePO4) 20 kWh [ kWh ]								18.5	18.5	18.5	18.5		
12 V services auxiliary battery			·	·	·	·	·	·	·	·	·	·		
battery charge on vehicle (PFC active)	(power supply 230V 16A 50-60Hz)		·	·	·	·	·	·	·	·	·	·		
external quick battery charge (Lithium only)	(power supply 380V 16A 50-60Hz)								Δ	Δ	Δ	Δ	(ext.) +15.0	
battery swap system	Lead-Acid 14.4 kWh								·	·	·	·		
	Gel 13.2 kWh								·	·	·	·		
battery top-up	Lead-Acid 10 kWh		Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	+ 0.0	
	Lead-Acid 14.4 kWh		Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	+ 0.0	
<b>CONFIGURATIONS AND CARGO AREA ACCESSORIES</b>														
dropside body with manual tipping (aluminium drop sides H30 cm)	130 x 123 cm		Δ											+ 105.0
	180 x 123 cm			Δ	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>		+ 130.0
	200 x 140 cm				Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>		+ 160.0
	250 x 140 cm										Δ <sup>(3)</sup>			+ 180.0
pair of side toolboxes											Δ <sup>(3)</sup>			+ 20.0
mesh sides extension H55 cm with rear drop side with upwards opening	for body 130 x 123 cm		Δ											+ 25.0
	for body 180 x 123 cm			Δ	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>		+ 29.0
	for body 200 x 140 cm				Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>		+ 30.0
	for body 250 x 140 cm										Δ <sup>(3)</sup>			+ 40.0
COMBI mesh sides extension H55 cm 150 x 123 cm with rear drop side					Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>		+ 30.0
electro-hydraulic tipping for dropside body unit	for body 130 x 123 cm		Δ		Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>		+ 14.0
	for body 150 x 123 cm				Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>		+ 15.0
	for body 180 x 123 cm			Δ	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>		+ 15.0
	for body 200 x 140 cm				Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>		+ 15.0
	for body 250 x 140 cm										Δ <sup>(3)</sup>			+ 20.0
dropside body 180 x 123 cm with three side hydraulic tipping					Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>		+ 190.0
tarpaulin body H108 cm openable on three sides for dropside body	for body 130 x 123 cm		Δ											+ 25.0
	for body 180 x 123 cm			Δ	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>		+ 30.0
	for body 200 x 140 cm				Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>		+ 35.0
	for body 250 x 140 cm										Δ <sup>(3)</sup>			+ 40.0
custom colour for tarpaulin body			Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ		+ 0.0
tarpaulin body H110 cm for COMBI 150 x 123 cm dropside body					Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>		+ 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	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>		+ 30.0
ambulance body equipped with spine board and box/seat for medical staff				!	!(1)	!(1)	!(1)	!(1)	!(1)	!(1)	!(1)	!(1)		+ 75.0
roof for ambulance body				Δ	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>		+ 20.0
box van body with side roller shutters H132 cm 180 x 125 cm				Δ	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>		+ 150.0
box van body with side roller shutters H132 cm 200 x 140 cm					Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>		+ 180.0
set 2 shelves for box van body with sliding doors (each shelf covers half of the depth)	180 x 123 cm			Δ	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>		+ 8.0
	200 x 140 cm				Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>		+ 12.0
dropside body 150 x 123 cm COMBI					Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>		+ 140.0
COMBI storage box 45 x 125 cm H110 cm					Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>		+ 50.0
watering unit with 600 L tank					Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ		+ 140.0
COMBI high pressure cleaner with 210 L tank and 20 m hose					Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ		+ 70.0
high pressure cleaner with 600L tank and 20 m hose					Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ		+ 150.0
load lashing eyes on loading bed			Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ		
tail lift and dropside body 200 x 140 cm H30 cm with mesh sides extension H55 cm											Δ <sup>(2)</sup>	Δ <sup>(2)</sup>		+ 370.0
tail lift and box van body 200 x 140 cm											Δ <sup>(2)</sup>	Δ <sup>(2)</sup>		+ 390.0
Isothermal body H120 cm	180 x 123 cm			Δ	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>		+ 120.0
Isothermal body H130 cm	200 x 140 cm				Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>		+ 140.0
refrigerated body 0 +4 °C with side and rear door	180 x 124 cm				Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>		+ 220.0



	310	320	330				340				weight [kg]
	E	E	E	ED	EH	EDH	E	ED	EH	EDH	
200 x 140 cm			Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	+ 250.0
COMBI waste collection body (1.7 m3 version)			Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	
waste collection body 2.2m <sup>3</sup>			Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	+ 200.0
waste collection body with bin lift system 2.2m <sup>3</sup>			Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	+ 280.0
waste collection body 2.8m <sup>3</sup>			Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	+ 240.0
waste collection body with bin lift system 2.8m <sup>3</sup>			Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	+ 320.0
waste collection body 3.5m <sup>3</sup>									Δ <sup>(3)</sup>		+ 280.0
waste collection body with bin lift system 3.5m <sup>3</sup>									Δ <sup>(3)</sup>		+ 360.0
tarp system for waste collection body			Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	Δ <sup>(1)</sup>	+ 15.0
broom and dustpan holder kit			Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	+ 8.0
hydraulic crane coupled with 150x124 cm H30 cm dropside body									Δ <sup>(2)</sup>	Δ <sup>(2)</sup>	+ 400.0
semi-trailer coupling system fitting DIN Ø40 drawbar eyes			Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	+ 60.0
reverse inching device for easy trailers coupling			Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	+ 4.0
semi-trailer coupling system with fifth wheel fitting 2" kingpins			Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	+ 100.0
<b>FRONT / REAR ACCESSORIES</b>											
front pin tow hitch	•	•	•	•	•	•	•	•	•	•	
rear ball tow hitch	•	•	•	•	•	•	•	•	•	•	
rear trailer hitch with ball & pin coupling (instead of standard ball hitch)	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	+ 3.5
automatic tow hitch fitting DIN Ø40			Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	+ 15.0
front protective bumper	•	•	•	•	•	•	•	•	•	•	
rear 13 pin connector	•	•	•	•	•	•	•	•	•	•	
show plough hydraulic kit	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	+ 10.0
snow plough	!	!	!	!	!	!	!	!	!	!	+ 82.0
electric salt spreader	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	+ 50.0
anti-roll kit									Δ	Δ	+ 5.0
rear hydraulic kit	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	+ 4.0
<b>TYRES</b>											
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)			!	!	!	!	!	!	!	!	
tyres puncture protection treatment	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	
spare wheel (provided separately)	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	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:** 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.**

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