

alkè
ELECTRIC VEHICLES

ATX
R A N G E



Li
LITHIUM
POWERED
=====



ELECTRIC VEHICLES

DELIVERING SOLUTIONS



ATX
R A N G E

• ELECTRIC VEHICLES



ECOLOGICAL

Zero CO2 emissions and no noise pollution.

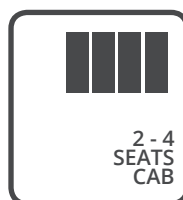
The Alke' electric vehicles work in closed environments, in restricted traffic areas and where there are strict environmental limits. Mobility is no longer a problem within hospitals, recovery centres, university campuses, sporting arenas, natural protected areas and cultural sites.



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 Alkè' 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.



OUTSTANDING
PERFORMANCE

ROBUST

Designed to last.

Alkè' 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.



HIGH LEVELS
OF RELIABILITY

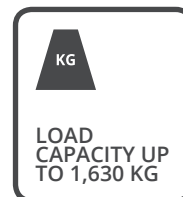
COMPACT BUT TENACIOUS

Versatility in a concentrated form.

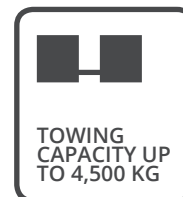
Alkè electric vehicles are compact, ideal for working in restricted areas (also indoors), but at the same time offer service levels which are second to none when compared to similar vehicles; it is no coincidence that they are the preferred choice for the most important European industrial players, and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



CAN HANDLE
SLOPES UP
TO 35%



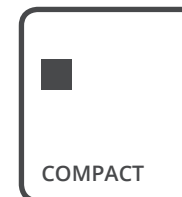
LOAD
CAPACITY UP
TO 1,630 KG



TOWING
CAPACITY UP
TO 4,500 KG



FLEXIBLE
AGILE



COMPACT



HEAVY DUTY
MECHANICS



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



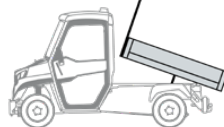
Dropside body

TP1



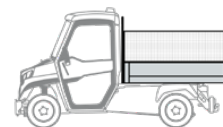
Dropside tipper body

TP3



3-side tipper body

ME1



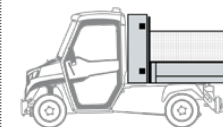
Dropside body with
mesh sides extension

DR2



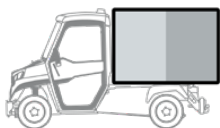
Dropside body with
front storage box

ME2



Dropside body with
front storage box
+ mesh sides extension

BV1



Box van body with
sliding doors

BV2



Box van body with
roller shutter doors

TA1



Tarpaulin body
openable on three sides

TA2



Tarpaulin body with
customised colours

IS1



Isothermal body

RE1



Refrigerated body
0 +4 °C

RS1



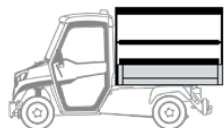
Rear seats kit

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

SN1



Front snow
plough

SN2



Rear salt
spreader

FF1



Water-based
firefighting unit

FF2



Foam-based
firefighting unit

WP1



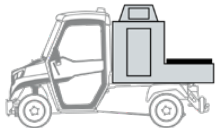
Watering unit

CL1



Cleaning unit with
high pressure washer

MS2



Ice-cream
van body

MS3



Pizza
van body

MS4



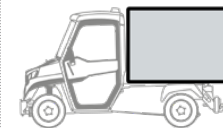
Street food
van body

TL1



Tail lift and dropside body
+ mesh sides extension

TL2



Tail lift and
box van body

CR1



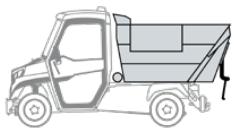
Dropside body
with crane

WA1



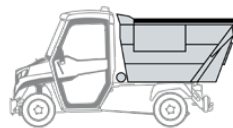
Waste collection body

WA2



Waste collection body with rear bin lift system

WA3



Waste collection body with tarp system

WA4



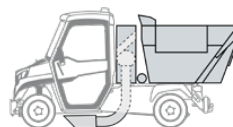
Waste collection body with front storage box

WA5



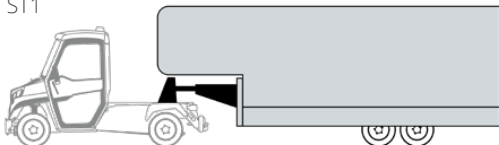
Waste collection body with power washer

WA6



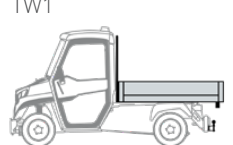
Waste/Leaf collection body with vacuum system

ST1



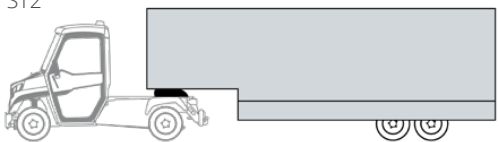
Semi-trailer coupling system fitting DIN Ø40 drawbar eyes

TW1



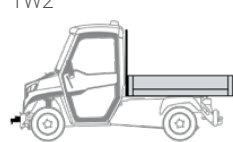
Hitch for airport operations with rear control panel

ST2



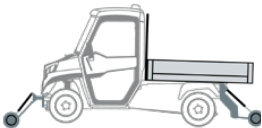
Semi-trailer coupling system with fifth wheel fitting 2" kingpins

TW2



Front towing hitch for trailers

RL1



Rail-System for Rail truck conversion

FL1



Flatbed



Customised configurations

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

PUBLIC SECTOR



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

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

INDUSTRY AND COMMERCE



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

ATX
R A N G E

READY
FOR ANY
SECTOR

The range of ATX electric vehicles is used daily by the most significant names in manufacturing industries and tourism as well as leading companies in more than 40 countries across the globe.

Alke' ATX have been operating for years in critical areas such as the frozen lands of northern Europe or the extreme temperatures of the Sahara or other remote locations in the Far East and Africa.



Today, the challenge of professional mobility is not simply to identify the right vehicle but to find products capable of solving complex problems.

More and more, the vehicles which support us in our business must meet extremely restrictive environmental impact parameters both in terms of CO₂ emissions and in terms of noise pollution.



CO₂



We are increasingly looking for vehicles equipped with special equipment and configurations to carry out specific activities quickly and efficiently.

Vehicles which are comfortable to drive but also capable of working in adverse weather conditions even for whole days.

Vehicles which could be integrated with fleet management cloud platforms, and equipped with monitoring tools able to anticipate potential faults or allow them to be resolved quickly.

**The Alke' ATX can be this.
And more.**



ATX

R A N G E

FIND OUT
MORE ABOUT
THE ALKE'
ATX MODELS

Identify your vehicle work environment needs (number of seats in the cab, autonomy, capacity, traction ability, urban or off-road use, cargo area configuration, etc.) and choose the right model which fits better this goal.



KG

**PUBLIC
ROAD USE**
max.

capacity
620 kg
max. towing
capacity
1.200 kg

TOP SPECS
max.
capacity
620 kg
max. towing
capacity
2.000 kg



cargo
area
130x123 cm



max.
autonomy
75 km

Suitable for working in small spaces

This is the short model of the ATX range, and for this reason, it is the most suitable for operating in small spaces which require agility and reduced steering radius. It is at its most comfortable amongst the buildings of small historic centres, in warehouses, greenhouses, underground levels of hospitals and museums or estates on hilly terrain with roads with tight bends. The configuration with an open loading bed has a useful surface area of 130x123 cm.



KG

**PUBLIC
ROAD USE**
max.

capacity
610 kg
max. towing
capacity
1.200 kg

TOP SPECS
max.
capacity
610 kg
max. towing
capacity
2.000 kg



cargo
area
180x123 cm



max.
autonomy
75 km

Ideal for the city and tourism

This is the lightest of the ATX models with an intermediate loading bed of 180x123 cm. It is particularly suited for urban environments, for home delivery services, catering services, waste collection or for assisting professionals who need to get around restricted traffic areas together with their tools and materials. It is the ideal choice for camp sites, resorts and other tourism structures.





ATX 330E

KG

**PUBLIC
ROAD USE**

max.
capacity
1.575 kg
max. towing
capacity
2.000 kg

TOP SPECS

max.
capacity
1.575 kg
max. towing
capacity
4.500 kg

The top of the range for off-road use

This is the best choice in terms of agility and performance, ideal for off-road applications even on difficult terrain such as sand, snow and ice. For this reason, it is often chosen by tourism structures in coastal areas or resorts in the hills or mountains. In industrial environments, airports and railway stations it is used for logistics to move bogies and heavy trailers of up to 4,500 kg.



cargo
area
180x123 cm
200x140 cm



max.
autonomy
75 km



ATX 340E

KG

**PUBLIC
ROAD USE**

max.
capacity
1.630 kg
max. towing
capacity
2.000 kg

TOP SPECS

max.
capacity
1.630 kg
max. towing
capacity
4.500 kg

For round-the-clock intensive use in industry

This is the top model which ensures maximum flexibility in terms of battery selection as it can count on quick-charge Lithium batteries or quick-change multiple battery systems. It can work for double or triple work shifts. It is the preferred choice of the most important names in the automotive and aerospace industries in Europe within their production plants.



cargo
area
180x123 cm
200x140 cm



max.
autonomy
150 km



ATX 330/340ED

KG

**PUBLIC
ROAD USE**

max.
capacity
1.510 kg
max. towing
capacity
2.000 kg

TOP SPECS

max.
capacity
1.510 kg
max. towing
capacity
4.000 kg

Road type-approval for four seats

It is available in the double cab versions of the models 330E and 340E which allow work teams of four people to get around, even on public roads. Thanks to the characteristics, the number of vehicles in use in the field can be halved, ensuring significant savings are made while simultaneously maintaining high levels of overall capacity and towing capacity.



cargo
area
180x123 cm
200x140 cm



max.
autonomy
145 km



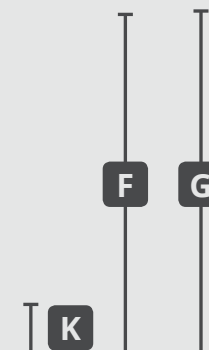
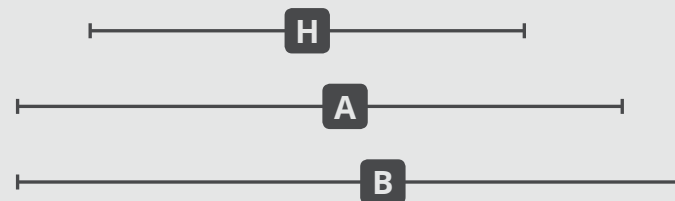
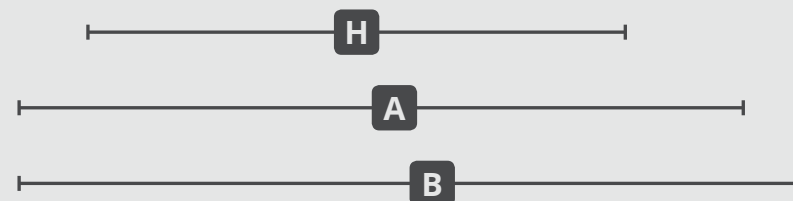
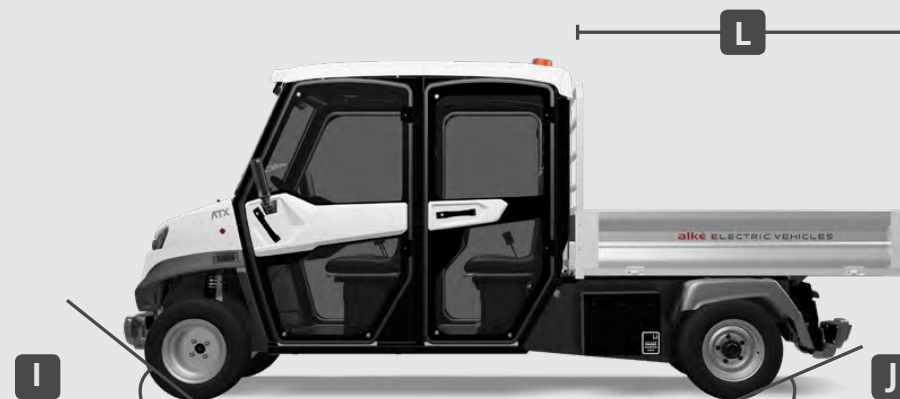
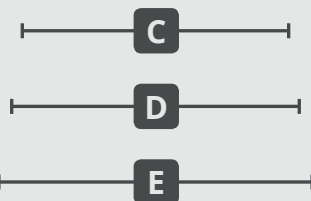
ATX

R A N G E



TECHNICAL DATA

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	
TYPE-APPROVAL CAB SEATS												
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
PERFORMANCE												
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 (R101 test with 10.0kWh battery in SPORT mode: 74 km)	Lead-Acid 10 kWh [km]	75	75	70	65	75	70					
	Lead-Acid 14.4 kWh [km]							90	85	100	95	
	Gel 8.7 kWh [km]	60	60	60	55	60	55					
	Gel 13.2 kWh [km]							80	75	80	75	
	Lithium (LiFePO4) 10 kWh [km]							80	75	80	75	
	Lithium (LiFePO4) 20 kWh [km]							150	145	150	145	
DIMENSIONS												
A length (chassis version)	[mm]	2.860	3.220	3.220	3.980	3.220	3.980	3.220	3.980	3.220	3.980	
B length (version with cargo bed)	[mm]	3.030	3.530	3.530 ⁽¹⁾	4.290 ⁽¹⁾	3.530 ⁽¹⁾	4.290 ⁽¹⁾	3.530 ⁽¹⁾	4.290 ⁽¹⁾	3.530 ⁽¹⁾	4.290 ⁽¹⁾	
				3.730 ⁽²⁾	4.490 ⁽²⁾	3.730 ⁽²⁾	4.490 ⁽²⁾	3.730 ⁽²⁾	4.490 ⁽²⁾	3.730 ⁽²⁾	4.490 ⁽²⁾	
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 ⁽¹⁾	2.890 ⁽¹⁾	2.130 ⁽¹⁾	2.890 ⁽¹⁾	2.130 ⁽¹⁾	2.890 ⁽¹⁾	2.130 ⁽¹⁾	2.890 ⁽¹⁾	
				2.230 ⁽²⁾	2.990 ⁽²⁾	2.230 ⁽²⁾	2.990 ⁽²⁾	2.230 ⁽²⁾	2.990 ⁽²⁾	2.230 ⁽²⁾	2.990 ⁽²⁾	
I approach angle	[°]	40	40	40	40	40	40	40	40	40	40	
J departure angle	[°]	16	13	13 ⁽¹⁾	10 ⁽¹⁾	13 ⁽¹⁾	10 ⁽¹⁾	12 ⁽¹⁾	9 ⁽¹⁾	12 ⁽¹⁾	9 ⁽¹⁾	
				11 ⁽²⁾	9 ⁽²⁾	11 ⁽²⁾	9 ⁽²⁾	10 ⁽²⁾	8 ⁽²⁾	10 ⁽²⁾	8 ⁽²⁾	
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 ⁽¹⁾	1.800 ⁽¹⁾	1.800 ⁽¹⁾	1.800 ⁽¹⁾	1.800 ⁽¹⁾	1.800 ⁽¹⁾	1.800 ⁽¹⁾	1.800 ⁽¹⁾	
				2.000 ⁽²⁾	2.000 ⁽²⁾	2.000 ⁽²⁾	2.000 ⁽²⁾	2.000 ⁽²⁾	2.000 ⁽²⁾	2.000 ⁽²⁾	2.000 ⁽²⁾	
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	
WEIGHTS CAPACITY AND TOWING												
UVW unloaded vehicle weight (chassis version with battery)	Lead-Acid 10 kWh [kg]	890	900	930	1.050	935	1.055					
	Lead-Acid 14.4 kWh [kg]							1.170	1.290	1.175	1.295	
	Gel 8.7 kWh [kg]	890	900	930	1.050	935	1.055					
	Gel 13.2 kWh [kg]							1.170	1.290	1.175	1.295	
	Lithium (LiFePO4) 10 kWh [kg]							875	995	880	1000	
	Lithium (LiFePO4) 20 kWh [kg]							965	1085	970	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 - UVW)	Lead-Acid 10 kWh [kg]	620	610	1.220	1100	1.575	1.455					
	Lead-Acid 14.4 kWh [kg]							980	860	1.335	1.215	
	Gel 8.7 kWh [kg]	620	610	1.220	1100	1.575	1.455					
	Gel 13.2 kWh [kg]							980	860	1.335	1.215	
	Lithium (LiFePO4) 10 kWh [kg]							1.275	1.155	1.630	1.510	
	Lithium (LiFePO4) 20 kWh [kg]							1.185	1.065	1.540	1.420	
MOTOR CONTROLLER												
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

	310	320	330				340				weight [kg]
	E	E	E	ED	EH	EDH	E	ED	EH	EDH	
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	
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	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	+ 7.0
minimum turning radius internal	[mm] 2.300	2.600	2.600 ⁽¹⁾ 2.620 ⁽²⁾	4.110 ⁽¹⁾ 4.130 ⁽²⁾	2.600 ⁽¹⁾ 2.620 ⁽²⁾	4.110 ⁽¹⁾ 4.130 ⁽²⁾	2.600 ⁽¹⁾ 2.620 ⁽²⁾	4.110 ⁽¹⁾ 4.130 ⁽²⁾	2.600 ⁽¹⁾ 2.620 ⁽²⁾	4.110 ⁽¹⁾ 4.130 ⁽²⁾	
BODY CHASSIS											
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	•	•	•	•	•	•	•	•	•	•	
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	•	•	•	•	•	•	•	•	•	•	
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	•	•	•	•	•	•	•	•	•	•	
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	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
CAB COMFORT											
timed heated windshield	•	•	•	•	•	•	•	•	•	•	
electric demister	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	+ 7.0
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	•	•	•	•	•	•	•	•	•	•	
front doors with sliding windows	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	+ 3.5
headrests	•	•	•	•	•	•	•	•	•	•	
rear seat bench				!		!		!		!	+ 22.0
cab interior lighting	•	•	•	•	•	•	•	•	•	•	

				310	320	330				340				weight [kg]
				E	E	E	ED	EH	EDH	E	ED	EH	EDH	
sun visors				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	
car audio system AM/FM/DAB/DAB+ with USB and Bluetooth				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	
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	•	•	•	•	•	•	•	•	•	•	
		lifted cargo bed	heated windshield	•	•	•	•	•	•	•	•	•	•	
	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				type / capacity										
			Lead-Acid 10 kWh	•	•	•	•	•	•					
			Lead-Acid 14.4 kWh							•	•	•	•	
			Gel 8.7 kWh	Δ	Δ	Δ	Δ	Δ	Δ					
			Gel 13.2 kWh							Δ	Δ	Δ	Δ	
			Lithium (LiFePO4) 10 kWh							Δ	Δ	Δ	Δ	
			Lithium (LiFePO4) 20 kWh							Δ	Δ	Δ	Δ	
number of batteries			Lead-Acid 10 kWh	8x6V	8x6V	8x6V	8x6V	8x6V	8x6V					
			Lead-Acid 14.4 kWh							24x2V	24x2V	24x2V	24x2V	
			Gel 8.7 kWh	8x6V	8x6V	8x6V	8x6V	8x6V	8x6V					
			Gel 13.2 kWh							24x2V	24x2V	24x2V	24x2V	
			Lithium (LiFePO4) 10 kWh							1x48V	1x48V	1x48V	1x48V	
			Lithium (LiFePO4) 20 kWh							1x48V	1x48V	1x48V	1x48V	
estimated battery life			Lead-Acid 10 kWh [cycles]	1.200	1.200	1.200	1.200	1.200	1.200					
			Lead-Acid 14.4 kWh [cycles]							1.500	1.500	1.500	1.500	
			Gel 8.7 kWh [cycles]	700	700	700	700	700	700					
			Gel 13.2 kWh [cycles]							1.200	1.200	1.200	1.200	
			Lithium (LiFePO4) 10 kWh [cycles]							2.000	2.000	2.000	2.000	
			Lithium (LiFePO4) 20 kWh [cycles]							2.000	2.000	2.000	2.000	
estimated battery charge time			Lead-Acid 10 kWh [hours]	8	8	8	8	8	8					
			Lead-Acid 14.4 kWh [hours]							8	8	8	8	
			Gel 8.7 kWh [hours]	11	11	11	11	11	11					
			Gel 13.2 kWh [hours]							11	11	11	11	
			Lithium (LiFePO4) 10 kWh [hours]							3.5	3.5	3.5	3.5	
			Lithium (LiFePO4) 20 kWh [hours]							6.5	6.5	6.5	6.5	
			Lithium (LiFePO4) 10 kWh with quick charge [hours]							1.5	1.5	1.5	1.5	
			Lithium (LiFePO4) 20 kWh with quick charge [hours]							2.6	2.6	2.6	2.6	
consumption for complete recharge			Lead-Acid 10 kWh [kWh]	9	9	9	9	9	9					

	310	320	330				340				weight [kg]
	E	E	E	ED	EH	EDH	E	ED	EH	EDH	
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	12	12	12	12	
Gel 13.2 kWh [kWh]							8.4	8.4	8.4	8.4	
Lithium (LiFePO4) 10 kWh [kWh]							16.8	16.8	16.8	16.8	
Lithium (LiFePO4) 20 kWh [kWh]											
12 V services auxiliary battery	•	•	•	•	•	•	•	•	•	•	
battery charge on vehicle (PFC active)	•	•	•	•	•	•	•	•	•	•	
external quick battery charge (Lithium only)							Δ	Δ	Δ	Δ	(ext.) +15.0
battery swap system							•	•	•	•	
							•	•	•	•	
battery top-up	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	+ 0.0
	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	+ 0.0
CONFIGURATIONS AND CARGO AREA ACCESSORIES											
dropside body with manual tipping (aluminium drop sides H30 cm)	Δ										+ 105.0
		Δ	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	+ 130.0
			Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	+ 160.0
flatbed for special configurations	Δ										+ 80.0
		Δ	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	+ 90.0
			Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	+ 120.0
mesh sides extension H55 cm with rear drop side with upwards opening	Δ										+ 25.0
		Δ	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	+ 29.0
			Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	+ 30.0
COMBI mesh sides extension H55 cm 150 x 123 cm with rear drop side			Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	+ 30.0
electro-hydraulic tipping for dropside body unit	Δ										+ 14.0
			Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	
		Δ	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	+ 15.0
			Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	+ 15.0
dropside body 180 x 123 cm with three side hydraulic tipping			Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	+ 190.0
tarpaulin body H108 cm openable on three sides for dropside body	Δ										+ 25.0
tarpaulin body H108 cm openable on three sides for dropside body		Δ	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	+ 30.0
tarpaulin body H108 cm openable on three sides for dropside body			Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	+ 35.0
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 ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	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 ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	+ 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 ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	+ 20.0
box van body H122 cm 180 x 125 cm with sliding doors (2 per side)		Δ	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	+ 130.0
box van body H122 cm 200 x 140 cm with sliding doors (2 per side)			Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	+ 170.0
box van body with side roller shutters H132 cm 180 x 125 cm		Δ	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	+ 150.0
box van body with side roller shutters H132 cm 200 x 140 cm			Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	+ 180.0
set 2 shelves for box van body with sliding doors (each shelf covers half of the depth)		Δ	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	+ 8.0
			Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	+ 12.0
dropside body 150 x 123 cm COMBI			Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	
COMBI storage box 45 x 125 cm H110 cm			Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	
COMBI waste collection body (1.7 m3 version)			Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	
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	
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 ⁽²⁾	Δ ⁽²⁾			Δ ⁽²⁾	Δ ⁽²⁾	+ 370.0
tail lift and box van body 200 x 140 cm					Δ ⁽²⁾	Δ ⁽²⁾			Δ ⁽²⁾	Δ ⁽²⁾	+ 390.0
Isothermal body H120 cm		Δ	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	+ 120.0
Isothermal body H130 cm			Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	+ 140.0
refrigerated body 0 +4 °C with side and rear door			Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	+ 220.0

	310	320	330				340				weight [kg]
	E	E	E	ED	EH	EDH	E	ED	EH	EDH	
200 x 140 cm			Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	+ 250.0
waste collection body 2.2m ³			Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	+ 200.0
waste collection body with bin lift system 2.2m ³			Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	+ 280.0
waste collection body 2.8m ³			Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	+ 240.0
waste collection body with bin lift system 2.8m ³			Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	Δ ⁽²⁾	+ 320.0
tarp system for waste collection body			Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	Δ ⁽¹⁾	+ 15.0
broom and dustpan holder kit			Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	+ 8.0
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
FRONT / REAR ACCESSORIES											
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
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	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:** 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.

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