

EXV-CB, EXP and SXV-CB Technical Data High Lift Pallet Trucks/Electric Forklift Truck

EXV-CB 06

EXV-CB 10/Li-lon

EXV-CB 12/Li-lon

EXV-CB 16/Li-lon

EXP 14

EXP 16

EXP 20

SXV-CB 10/Li-lon





This specification sheet, which conforms to VDI guideline 2198, provides the technical values for the standard equipment on Different tyres, other masts, the use of accessories, etc. may result in other values.

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1.1	Manufacturer			STILL	STILL	STILL	STILL	STILL	STILL	STILL	STILL
2 1.2	Manufacturer's type designation			EXV-CB 06	EXV-CB 10/Li-lon	EXV-CB 12/Li-lon	EXV-CB 16/Li-lon	EXP 14	EXP 16	EXP 20	SXV-CB 10/Li-lon
	Drive			Electric	Electric	Electric	Electric	Electric	Electric	Electric	Electric
E 1.3				Pedestrian	Pedestrian	Pedestrian	Pedestrian	Pedestrian	Pedestrian	Pedestrian	Stand-on
	Rated capacity/rated load	0	ka	600	1000	1200	1600	1400	1600	2000	1000
1.5 1.6	Load centre distance	C.	0	500	500	500	500	600	600	600	600
io .	Load distance	X		107	107	107	107	696 ^{1, 3}	686 ^{1, 3}	660 ^{1, 3}	170 ³
1.8	Wheel base	X		914	1264	1264	1626	1406	1406	1406	1129 (1145) ³
		У		1725 ⁵	1861 5	1885 5	2085 5	1516	1556	1605	2590 ³
	Service weight incl. battery		0								
2.2	Axle load, laden drive end/load e			560/1765 5	635/2226 ⁵ 1099/762 ⁵	550/2535 ⁵ 1100/785 ⁵	710/2975 ⁵ 1295/790 ⁵	1167/1749 1072/444	1183/1972 1086/470	1198/2406 1113/492	910/2680 ³ 1560/1030 ³
	Axle load, unladen drive end/load e	10	кд	950/775 5					· ·	· ·	
3.1	Tyres			Polyurethane	Polyurethane	Polyurethane	Polyurethane	Polyurethane	Polyurethane	Polyurethane	Tractothan
.03	Tyre size drive e			Ø 230 x 100	Ø 230 x 100	Ø 230 x 100	Ø 230 x 100	Ø 230 x 90	Ø 230 x 90	Ø 230 x 90	Ø 254 x 115
3.3	Tyre size load e	nd		Ø 4x 85 x 105	Ø 4x 85 x 105	Ø 4x 85 x 105	Ø 4x 85 x 105	Ø 85 x 85 (Ø 85 x 60) ²	Ø 85 x 85 (Ø 85 x 60) ²	Ø 85 x 85 (Ø 85 x 60) ²	2x Ø 254 x 82
(O	Support castor size		mm	-	-	•	-	Ø 100 x 40	Ø 100 x 40	Ø 100 x 40	- 10
3.5	Number of wheels (x = driven) drive end/load e			1x + 4	1x + 4	1x + 4	1x + 4	1x + 1/2 (1x + 1/4) ²	$1x + 1/2 (1x + 1/4)^2$	$1x + 1/2 (1x + 1/4)^2$	1x/2
		nd b ₁₀			-	-	-	534	534	534	
3.7		nd b ₁₁		500	500	500	500	1000/1200/1400	1000/1200/1400	1000/1200/1400	746
	Tilt of mast/fork carriage forward/backwa				1/6	1/6	1/6	-	-	-	4/26
4.2				See mast table	See mast table	See mast table	See mast table	See mast table	See mast table	See mast table	See mast table
	Free lift	h ₂		See mast table	See mast table	See mast table	See mast table	See mast table	See mast table	See mast table	See mast table
4.4		h ₃		See mast table	See mast table	See mast table	See mast table	See mast table	See mast table	See mast table	See mast table
	Height mast extend			See mast table	See mast table	See mast table	See mast table	See mast table	See mast table	See mast table	See mast table
4.7	Height of overhead guard	h ₆	mm	-	-	-	-	-	-	-	1995 (2190)
	0 0,	ıx. h ₁₄		740/1230	740/1230	740/1230	740/1230	800/1250	800/1250	800/1250	•
	Height of wheel arms	h ₈	mm	-	-		-	80	80	80	-
10	Fork height, lowered	h ₁₃	mm		67	67	67	50	55	55	50
.=	Overall length	l ₁		2511	2861	2861	3223	2071	2081	2107	2604 ⁷
~	Length to face of forks	l ₂		1311	1661	1661	2023	921 3, 4	931 3, 4	957 ^{3, 4}	1454 ⁷
_	Overall width	b ₁		790	790	790	790	1170/1370/1570	1170/1370/1570	1170/1370/1570	828
	Fork dimensions	s/e/l		45/100/1200	45/100/1200	45/100/1200	45/100/1200	35/100/1150	45/120/1150	45/120/1150	40/80/11508
	Fork carriage width	b ₃		1000	1000	1000	1000	820/980	820/980	820/980	650 ¹⁰
	Distance of forks min./ma			225/926	225/926	225/926	225/926	400/720 // 400/880	420/740 // 420/900	420/740 // 420/900	-
	Distance between wheel arms	b ₄	mm	-	-		-	860/1060/1260	860/1060/1260	860/1060/1260	-
	Ground clearance, centre of the wheel base	m_2	mm		38	38	38	30	30		60
4.33	,	A _{st}		2786	3136	3136	3296	2588 4	2592 4	2605 4	2865 7
	Aisle width for pallets 800 x 1200 lengthways	Ast		2874	3224	3224	3384	2559 4	2566 4	2587 4	2958 ⁷
	Turning radius	Wa		1510	1860	1860	2220	1715 4	1715 4	1715 4	1320 (1333) ³
	Length across wheel arms	l ₇	mm	-	-	-		1739	1739	1739	-
5.1	Travel speed laden/unlad		km/h		5/6	5/6	5/6	6/6	6/6	6/6	8/12
0	Lift speed laden/unlad		-	0.15/0.3	0.15/0.3	0.15/0.3	0.15/0.3	0.16/0.30	0.15/0.30	0.15/0.30	0.25/0.42 (0.21/0.43) ³
5.3	Lowering speed laden/unlad			0.45/0.35	0.45/0.35	0.45/0.35	0.45/0.35	0.40/0.35	0.40/0.35	0.31/0.31	0.25/0.22 (0.44/0.32)3
_	Max. gradeability kB 5 laden/unlad	en	%	4/4	4/4	4/4	4/4	8/23	8/23	8/23	8/15
	Service brake			Electromagnetic	Electromagnetic	Electromagnetic	Electromagnetic	Electromagnetic	Electromagnetic	Electromagnetic	Electromagnetic
	Drive motor, rating S2 = 60 min			2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.0
. E 6.2	Lift motor, rating at S3 = 15%		kW	2.2	3.2	3.2	3.2	3.2	3.2	3.2	5.7
()	Battery according to DIN 43531/35/36 A, B, C, no			3PzS	3PzS	3PzS	4PzS	3PzS	3PzS		3PzS
6.4	, , , , , , , , , , , , , , , , , , , ,			24/375	24/375	24/375	24/400	24/345	24/345	24/345	24/300
	Battery weight (±5%, depends on make)		0	288	288	288	377	288	288		230
6.6	Energy consumption according to VDI cycle		kWh/h		1.19	1.19	1.45	1.14	1.15	1.44	-
8.1			15/1)	AC control	AC control	AC control	AC control	AC control	AC control		AC control
≅ 8.4	Sound pressure level at driver's ear		dB(A)	03	61	61	61	≤66	≤66	≤66	<70

¹ With telescopic and HiLo mast: +26 mm

² With tandem rollers

³ Value with triplex mast

⁴ Without creep speed: +12 mm

⁵ With lateral battery change

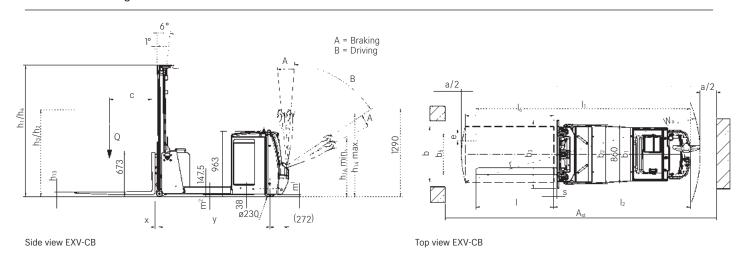
⁶ With optional, inclinable fork carriage

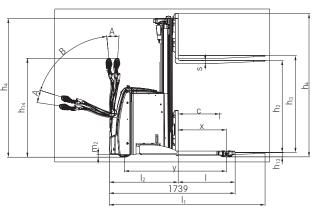
⁷ With optional fork tilt, side shifters or fork adjusters: +48 mm

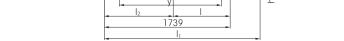
With optional, inclinable fork carriage and side shifters as well as fork adjusters: 40/100/1150
 Not available in combination with optional inclinable fork carriage, side shifters or fork adjusters

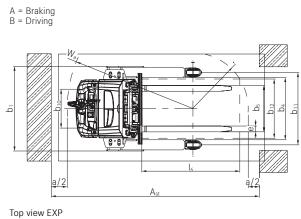
¹⁰ With optional fork tilt, side shifters or fork adjusters: 800 mm

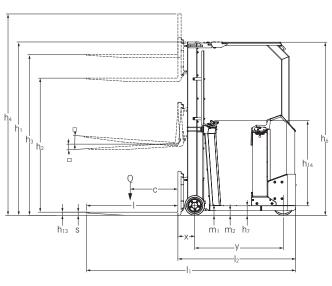
EXV-CB/EXP High Lift Pallet Trucks and SXV-CB Electric Forklift Truck **Technical Drawings**

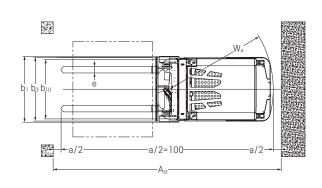












Side view SXV-CB Top view SXV-CB

Side view EXP

EXV-CB/EXP High Lift Pallet Trucks and SXV-CB Electric Forklift Truck Mast Tables



				Telesc	opic			HiLo				Triplex
	Height	h_1	mm	1515	1765	2015	2215	1440	1690	1940	2140	1690
	Mast height with initial lift applied	h ₁ ′	mm	1590	1840	2090	2290	-	-	-	-	-
EXV-CB	Free lift	h_2	mm	150	150	150	150	879	1129	1379	1579	1129
ы	Lift	h ₃	mm	1924	2424	2924	3324	1924	2424	2924	3324	3516
	Height mast extended	h ₄	mm	2485	2985	3485	3885	2485	2985	3485	3885	4077

				Telesc	opic				HiLo					Triplex
	Height	h ₁	mm	1515	1765	2015	2215	2465	1440	1690	1940	2140	2390	1690
3B 10	Mast height with initial lift applied	h ₁ ′	mm	1590	1840	2090	2290	2540	-	-	-	-	-	-
Ş	initial lift applied Free lift Lift	h ₂	mm	150	150	150	150	150	879	1129	1379	1579	1829	1129
Ω	Lift	hз	mm	1924	2424	2924	3324	3824	1924	2424	2924	3324	3824	3516
	Height mast extended	h ₄	mm	2485	2985	3485	3885	4385	2485	2985	3485	3885	4385	4077

				Telesc	opic					HiLo						Triplex	
	Height	h ₁	mm	1515	1765	2015	2215	2465	2665	1440	1690	1940	2140	2390	2590	1690	1940
3B 12	Mast height with initial lift applied Free lift	h ₁ ′	mm	1590	1840	2090	2290	2540	2740	-	-	-	-	-	-	-	-
Š	Free lift	h ₂	mm	150	150	150	150	150	150	879	1129	1379	1579	1829	2029	1129	1379
Ή	Lift	h ₃	mm	1924	2424	2924	3324	3824	4224	1924	2424	2924	3324	3824	4224	3516	4266
	Height mast extended	h ₄	mm	2485	2985	3485	3885	4385	4785	2485	2985	3485	3885	4385	4785	4077	4827

				Telesc	opic					HiLo						Triplex	(
	Height	h_1	mm	1515	1765	2015	2215	2465	2665	1440	1690	1940	2140	2390	2590	1690	1940
CB 16	Mast height with initial lift applied	h ₁ ′	mm	1590	1840	2090	2290	2540	2740	2740	-	-	-	-	-	-	-
EXV-(Free lift	h ₂	mm	150	150	1502	150	150	150	879	1129	1379	1579	1829	2029	1129	1379
Ω	Lift	h ₃	mm	1844	2344	2844	3244	3744	4144	1844	2344	2844	3244	3744	4144	3516	4266
	Height mast extended	h ₄	mm	2405	2905	3405	3805	4305	4705	2405	2905	3405	3805	4305	4705	4077	4827

				Telesc	opic						HiLo						Triplex	(
	Height	h ₁	mm	1415 1	1665 ¹	1915	2115	2365	2565	2815	1415¹	1665 ¹	1915	2115	2365	2565	1665 ¹	1915	2065	2265	2315
116	Mast height with initial lift applied	h ₁ ′	mm	1490	1740	1990	2190	2440	2640	2890	-	-	-	-	-	-	-	-	-	-	-
14	Free lift	h ₂ ²	mm	-	-	-	-	-	-	-	776	1026	1276	1476	1726	1926	1026	1276	1426	1626	1676
盗	Free lift	h ₂ ³	mm	150	150	150	150	150	150	150	-	-	-	-	-	-	-	-	-	-	-
	Lift	h ₃	mm	1844	2344	2844	3244	3744	4144	4644	1844	2344	2844	3244	3744	4144	3516	4266	4716	5316	5466
	Height mast extended	h ₄ ⁴	mm	2480	2980	3480	3880	4380	4780	5280	2480	2980	3480	3880	4380	4780	4152	4902	5352	5952	6102

				Telesc	opic		HiLo			Triplex		
	Height	h_1	mm	1915	2115	2365	1915	2115	2365	1665 1	1915	2065
20	Mast height with initial lift applied	h ₁ ′	mm	1990	2190	2440	-	-	-	-	-	-
EXP 2	Free lift	h ₂ ²	mm	-	-	-	1286	1486	1736	1036	1286	1436
Ω	Free lift	$h_2^{\ 3}$	mm	150	150	150	-	-	-	-	-	-
	Lift	h ₃	mm	2684	3084	3584	2684	3084	3584	3276	4026	4476
	Height mast extended	h ₄ ⁴	mm	3310	3710	4210	3310	3710	4210	3902	4652	5102

				Single		HiLo			Triplex		
0	Height	h_1	mm	1990 ⁷	2190	1990 ⁵	2190	2390	1990 ⁷	2190	2390
-B	Free lift	h ₂	mm	1430 5	16305	1430 5	16305	18605	14305	16305	18305
×	Free lift Lift	h ₃	mm	1460	1660	2810	3210	3610	4180	4780	5380
	Height mast extended	h ₄	mm	2050 ⁶	2250 ⁶	3470 ⁶	3870 ⁶	4270 ⁶	4840 ⁶	5440 ⁶	6040 ⁶

¹ Mast not recommended for daily battery change

² With load backrest: -537 mm

With load backlest: +537 mm

3 With increased height mast h₁'

4 With load backrest: +537 mm

5 With optional fork tilt, side shifters or fork adjusters: -100 mm

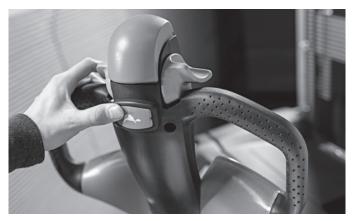
6 With optional fork tilt, side shifters or fork adjusters: +100 mm

⁷ In combination with low overhead guard

EXV-CB and EXP High Lift Pallet Trucks Detailed Photos



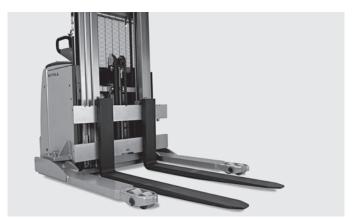
Safety as standard: depending on tiller angle, speed is automatically adapted to the distance between the operator and the truck (OptiSpeed) $^{1,\,2}$



Precise in any situation: thanks to creep speed it is possible to manoeuvre in the most confined of spaces $^{\rm 1,\,2}$



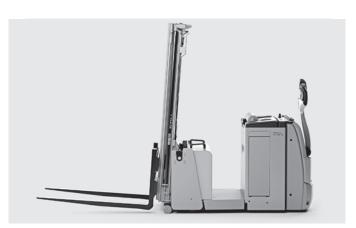
High handling capacity up to 2,000 kg and lifting heights of up to 5,466 mm $^{\rm 1}$



All-rounder: self-supporting and adjustable forks allow the handling of different pallet types $^{\rm 1,\,2}$



Innovative battery plug lock enables fast battery replacement, without the risk of jamming $^{\rm 2}$



Safe load handling thanks to mast tilt fitted as standard $^{\rm 2}$

 $^{^{\}rm 1}$ Here e.g. EXP // $^{\rm 2}$ Here e.g. EXV-CB

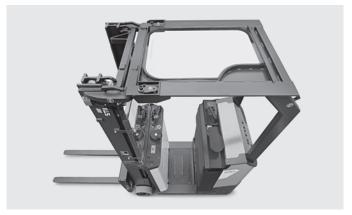
EXP High Lift Pallet Truck and SXV-CB Electric Forklift Truck Detailed Photos



Hands free: practical storage compartments and a writing pad with built-in clipboard $^{\rm 1,\,2}$



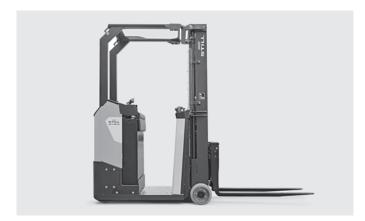
Everything in view, all the time: colour display with a range of language-independent symbols shows you all of the important functions at a glance $^{1,\,2}$



Robust overhead guard with steel struts for optimised visibility and increased safety $\ensuremath{^3}$



Fast and safe entry and exit thanks to low step height $^{\rm 3}$



Compact dimensions facilitate working in confined spaces $^{\rm 3}$



Different loads can be flexibly handled with cantilever forks $^{\rm 3}$

EXP High Lift Pallet Truck Flexibility meets innovation

Maximum flexibility: different pallet types and accessory equipment can be used

Optimum utilisation of storage space: high storage compaction due to very high residual load capacity

Everything in view, all the time: colour display with a range of language-independent symbols shows you all of the important functions at a glance



EXP

Stronger and more intelligent than the rest – that is the STILL EXP 14-20 high lift pallet truck. Two of its stand-out features are the enormous residual load capacity and the smart colour display. The latter provides the operator with basic information, the truck status or the battery charge at a glance at all times, and different language-independent symbols provide optimum support in operation. The smart and extremely mobile warehouse organiser moves pallets weighing up to 2,000 kg quickly, safely and reliably. Through self-supporting and adjustable forks different pallets can be used. With optional hydraulic functions accessory equipment can be used as well. An unprecedented reloading of pallets can be achieved thanks to the powerful and low-maintenance motor and the precise control elements, which are

suitable for either left- or right-handed operators. The letters EXP are not only synonymous with quick goods handling, but also with safe goods handling. The optional load capacity display shows what is possible. The curved tiller shape and the sensitive impact plate protect the driver, and the EXP stops automatically when the tiller is released – even on ramps. The OptiSpeed tiller also adjusts the speed of the EXP to the distance from the operator, while the Curve Speed Control system regulates the speed around bends. This high lift pallet truck, which is as strong as it is smart, allows you to always keep your flow of goods safely under control; from transporting loads within the prestorage area to operating the shelving system.



EXV-CB High Lift Pallet Truck and SXV-CB Electric Forklift Truck Flexibility meets innovation

Secure goods transport: mast tilt for easy and secure handling of load carriers

Maximum flexibility: different pallets and attachments can be used

Optimal manoeuvrability and ergonomics thanks to electrical steering unit and OptiSpeed tiller



EXV-CB

Load lifting easier than ever before: with the EXV-CB high lift pallet truck, you can lift pallets and carriers of any kind. The cantilever forks allow you to expand your functionality using a range of accessories. A lifting capacity of up to 1,600 kg combined with lifting heights up to 4.2 m guarantee optimal storage consolidation and handling capacity. The electrical steering unit and the smart STILL tiller ensure intuitive and equally fatigue-free operation. Proportional valve technology ensures precision right to the fork tips, enabling precise lifting and

lowering and thereby noticeably simplifying load handling. The STILL OptiSpeed tiller guarantees optimal safety and automatically adjusts the driving speed in accordance with the tiller angle. With the webbased FleetManager option, you can easily integrate the EXV-CB into your fleet: Who may use which high lift pallet truck and for which tasks? How is the EXV-CB's capacity being utilised? When was it involved in an accident? All in all, the EXV-CB is as versatile as a Swiss army knife, optimising your workflow from the pre-storage area to the shelves.

A versatile all-rounder: compact dimensions, intuitive operation and outstanding availability ensure a high level of stability and therefore a wide range of potential applications

Manoeuvrability in confined spaces: small turning radius and narrow aisle width

Ergonomic workplace: comfortable driver's seat and fatiguefree load handling thanks to speed-dependent steering without readjusting hand position



SXV-CB

The SXV-CB is a reliable all-rounder for a range of applications. The electric forklift truck is extremely compact and particularly stable when cornering thanks to excellent weight distribution and automatic speed restriction. With its narrow aisle width and small turning radius, it is also extremely manoeuvrable in the tightest of spaces. It can effortlessly lift up to 1,000 kilograms on its cantilever forks. The SXV-CB is user-friendly, and, thanks to its speed-dependant steering, can be controlled with precision and efficiency with minimal effort. There is also the option of integrating a second control panel for added convenience when reversing. This facilitates forward and reverse driving with left- and right-handed operation, without having to turn your body too far. Speaking of comfort: Drivers love the SXV-CB for its ergonomics, which guarantee fatigue-free load handling. This is

ensured by the comfortable stand-on workplace which offers plenty of space to move, the upholstered backrest, the low step height of 120 mm on each side and the ergonomic steering and operation without needing to alter your hand position. The unrestricted view of the warehouse and load provide a high level of working comfort, as well as safety. After all, where the driver effortlessly has everything in view, driver, surroundings, load and vehicle are kept safe. The robust overhead guard also contributes to safety, while the optionally configurable warning light aids visibility in warehouse traffic. This means that the SXV-CB provides an answer to many common issues in warehouse management and is your powerful and versatile partner for stacking, transportation, order picking, or loading and unloading.



Simply easy

- Fatigue-free operation: precise and smooth electrical steering unit
- Unobstructed view when driving: free view mast and centrally positioned tiller
- Precise control in the narrowest spaces: sensitive proportional valve control and optional creep speed function
- Drive, steer and lift with just one hand: ergonomic and intuitive operation for left and right handers



Simply powerful

- Optimal utilisation of storage space: high lift heights and residual load capacities
- The right driving programme for all situations: outstanding efficiency or maximum handling capacity thanks to ECO, BOOST or Blue-Q
- Maximum handling capacity: powerful, reliable and low-maintenance
 AC drive motor
- Always ready for use: li-ion battery with a capacity of between 300 Ah and 500 Ah and straightforward lateral battery change



Simply safe

- OptiSpeed tiller adjusts speed automatically depending on the distance between the operator and the truck
- Safety in mind: optional load capacity display shows the operator the current mast height and the corresponding residual load capacity of EXV-CB and EXP
- Safe cornering: Curve Speed Control automatically adjusts speed to the steering angle when cornering



Simply flexible

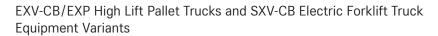
- For all pallet types: adjustable forks enable handling of a wide range of pallets
- For all load carriers: thanks to the self-supporting forks, closed carriers can also be lifted with ease
- Individually expandable: up to two additional hydraulic functions for attachments



Simply connected

- Manage online: with FleetManager, you can link the forklift truck to a web-based application
- Suitable for multiple operators: define several forklift truck users with different operator profiles
- All trucks under control: fleets can be analysed based on need using comprehensive data
- Information at a glance: modern easy-to-follow colour display







Ea	splay and operating unit with colour display for selection of driving programme		EXV-CB 10/12/16		
Ea			•	•	•
	sy-grip tiller for left and right-handed operators	•	•	•	_
	ectrical steering unit	•	•	•	0
	Iditional hydraulic functions for using attachments	0	0	0	0
	and capacity display	_	_	0	_
	raddle forks for picking up closed pallets	_	_	•	_
	ast tilt	_	•	_	0
	gh-performance AC drive motor	•	•	•	
, o	old storage version	0	0	0	
Ger	coessory bar	0	0	0	_
	ectric preparation for data terminal	0	0	0	0
	ata transfer via Bluetooth or GPRS	0	0	0	_
	ashing warning light under overhead guard	0	0	0	0
	ofety Light	0	0	0	0
	ne-handed operation	0	0	0	•
	ual operation	0	0	0	0
	50-degree steering - basic including indicator lights	_	_	_	0
	lescopic mast	0	0	0	0
	Lo mast	0	0	0	0
#		0	0	0	0
<u>≅</u> 11	iplex mast ast protective grille	0	0	•	0
	otective mast screen made of polycarbonate	•	•	0	
	, ,			•	
S	and roller tyres, polyurethane, single	•	_		
F LC	and roller tyres, polyurethane, tandem			0	_
	rive wheel for flat surfaces				_
	otiSpeed-tiller: maximum driving speed controlled by the tiller angle				_
	urve Speed Control	0	0	0	•
	ccess authorisation (key)			•	•
AC AC	ccess authorisation (digicode)	0	0	0	_
	eetManager: access authorisation, shock detection, reports	0	0	0	_
	lent running and lifting/lowering with vertical tiller		_	0	_
	olding side guard on the left-hand side of the truck	_	_	_	0
	noramic mirror inside the vehicle, mounted magnetically	_	_	_	0
	ad backrest	0	0	0	0
	attery compartment for battery up to 300 Ah	_	_	_	0
	attery compartment for battery up to 375 Ah	_	•	•	_
	teral battery change with roller track	•	•	_	0
	attery compartment for battery up to 500 Ah	—	0	_	_
	ion battery		0	_	0
Вι	ıilt-in charger	_	_	0	_

[●] Standard ○ Option — Not available



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STILL is certified in the following areas: Quality management, occupational safety, environmental protection and energy management.

