

## EXD Technical Data

### Double Deck High Lift Pallet Truck

---

EXD 18C

---

EXD 20C

---

EXD 20

---



EXD Double Deck High Lift Pallet Truck

Double the load – half the time

This specification sheet according to VDI Guideline 2198 only provides the technical values for the standard truck.  
Different tyres, other masts, additional equipment, etc. may produce different figures.



Features	1.1	Manufacturer				STILL			STILL	STILL
	1.2	Manufacturer's model designation				EXD 18C/Li-Ion			EXD 20C/Li-Ion	EXD 20/Li-Ion
		Mast				Telescopic	Mono	HiLo		
	1.3	Drive				Electric			Electric	Electric
	1.4	Operation				Pedestrian truck			Pedestrian truck	Pedestrian truck
	1.5	Capacity/load	Q	kg		1800			2000	2000
	1.5.1	Capacity/load as double decker	Qi + Qm	kg		1000 + 800			1000 + 1000	1000 + 1000
	1.6	Load centre	c	mm		600			600	600
Weight	1.8	Load distance	x	mm		873/936 <sup>1</sup>	859/922 <sup>1</sup>	874/937 <sup>1</sup>	874/937 <sup>1</sup>	950/865 <sup>2</sup>
	1.9	Wheel base	y	mm	Tray 11	1306/1369 <sup>1</sup>	1306/1369 <sup>1</sup>	1375/1438 <sup>1</sup>	-	-
					Tray 72	1356/1419 <sup>1</sup>	-	1425/1488 <sup>1</sup>	1425/1488 <sup>1</sup>	-
					Tray 112	1411/1474 <sup>1</sup>	-	1480/1543 <sup>1</sup>	1480/1543 <sup>1</sup>	1653
					Tray 11	664	621	715	-	-
	2.1	Service weight (incl. battery)		kg	Tray 72	779	-	830	830	-
					Tray 112	808	-	858	858	1181
Wheels/chassis	2.2	Axle load, laden	drive end/load end	kg		797/1667	783/1638	923/1907	923/1907	1276/1884
	2.3	Axle load, unladen	drive end/load end	kg		482/182	451/170	601/229	601/229	889/292
	3.1	Tyres				Polyurethane			Polyurethane	Polyurethane
	3.2	Tyre size	drive end			ø 230 x 75			ø 230 x 75	ø 210 x 90
	3.3	Tyre size	load end			ø 85 x 80 (85 x 60) <sup>3</sup>			ø 85 x 80 (85 x 60) <sup>3</sup>	ø 85 x 85 (2x 85 x 60) <sup>3</sup>
	3.4	Support roller size	drive end	mm		ø 2 x 125 x 40			ø 2 x 125 x 40	ø 125 x 60
	3.5	Number of wheels (x = driven)	drive end/load end			1x + 2 / 2 (1x + 2 / 4) <sup>3</sup>			1x + 2 / 2 (1x + 2 / 4) <sup>3</sup>	1x2/4 <sup>3</sup>
	3.6	Tread width	drive end/load end	b <sub>10</sub> /b <sub>11</sub>	mm	482/338/353/378	482/353/378	482/353/378	482/353/378	502
Basic dimensions	4.2	Height of mast when lowered		h <sub>1</sub>	mm		see mast table	see mast table	see mast table	see mast table
	4.3	Free lift		h <sub>2</sub>	mm		see mast table	see mast table	see mast table	see mast table
	4.4	Lift		h <sub>3</sub>	mm		see mast table	see mast table	see mast table	see mast table
	4.5	Height of mast when raised		h <sub>4</sub>	mm		see mast table	see mast table	see mast table	see mast table
	4.6	Initial lift		h <sub>5</sub>	mm		125	125	125	125
	4.9	Height of tiller in driving position	min./max.	h <sub>14</sub>	mm		810/1205	810/1205	810/1205	740/1230
	4.10	Height of wheel arms		h <sub>8</sub>	mm		60	60	60	80
	4.15	Height when lowered		h <sub>13</sub>	mm		86	86	86	86
	4.19	Overall length	l <sub>1</sub>	mm	Tray 11	1742/1782	1752/1792	1810/1850	-	-
					Tray 72	1792/1832	-	1860/1900	1860/1900	-
					Tray 112	1847/1887	-	1915/1955	1915/1955	2070
					Tray 11	592	606	660	660	-
	4.20	Length including fork backs	l <sub>2</sub>	mm	Tray 72	642	-	710	710	-
					Tray 112	697	-	765	765	880 <sup>5</sup>
	4.21	Overall width		b <sub>1</sub>	mm		720	720	720	720
	4.22	Fork dimensions		s/e/l	mm		55/182/1190	55/182/1190	55/182/1190	55/182/1190
	4.24	Fork carriage width		b <sub>3</sub>	mm	514/529/554	650	710	710	710
	4.25	Overall fork width		b <sub>5</sub>	mm	520/535/560	535/560	560	560	560
	4.31	Ground clearance, laden, below mast	min./max.	m <sub>1</sub>			20/145	20/145	20/145	20/145
	4.32	Ground clearance, centre of wheel base	min./max.	m <sub>2</sub>	mm		20/145	20/145	20/145	20/145
	4.33	Working aisle width		b <sub>12</sub> x l <sub>6</sub>	mm			1200 X 800		
	4.34	Aisle width for specified load dimensions	A <sub>st</sub>	mm	Tray 11	2316 <sup>5, 6</sup>	2315 <sup>5, 6</sup>	2385 <sup>5, 6</sup>	-	-
					Tray 72	2366 <sup>5, 6</sup>	-	2435 <sup>5, 6</sup>	2435 <sup>5, 6</sup>	-
					Tray 112	2421 <sup>5, 6</sup>	-	2490 <sup>5, 6</sup>	2490 <sup>5, 6</sup>	2637/2602 <sup>2</sup>
					Tray 11	2325 <sup>5, 6</sup>	2328 <sup>5, 6</sup>	2393 <sup>5, 6</sup>	-	-
	4.34.1	Aisle width for pallets 1000 x 1200 crosswise	A <sub>st</sub>	mm	Tray 72	2375 <sup>5, 6</sup>	-	2443 <sup>5, 6</sup>	2443 <sup>5, 6</sup>	-
					Tray 112	2430 <sup>5, 6</sup>	-	2498 <sup>5, 6</sup>	2498 <sup>5, 6</sup>	-
					Tray 11	2228 <sup>5, 6</sup>	2237 <sup>5, 6</sup>	2296 <sup>5, 6</sup>	-	-
					Tray 72	2278 <sup>5, 67</sup>	-	2346 <sup>5, 6</sup>	2346 <sup>5, 6</sup>	-
	4.34.2	Aisle width for pallets 800 x 1200 lengthwise	A <sub>st</sub>	mm	Tray 112	2333 <sup>5, 6</sup>	-	2401 <sup>5, 6</sup>	2401 <sup>5, 6</sup>	-
					Tray 11	1512/1575 <sup>1</sup>	1512/1575 <sup>1</sup>	1581/1644 <sup>1</sup>	-	-
					Tray 72	1562/1625 <sup>1</sup>	-	1631/1694 <sup>1</sup>	1631/1694 <sup>1</sup>	-
					Tray 112	1617/1680 <sup>1</sup>	-	1686/1749 <sup>1</sup>	1686/1749 <sup>1</sup>	1965/1880 <sup>2</sup>
	4.35	Turning radius	W <sub>a</sub>	mm						
Performance data	5.1	Driving speed	laden/unladen		km/h	6.0/6.0	5.0/5.0	6.0/6.0	5.0/6.0	6.0/6.0
	5.1.1	Travel speed, backwards	laden/unladen		km/h	6.0/6.0	5.0/5.0	6.0/6.0	5.0/6.0	6.0/6.0
	5.2	Lifting speed (initial lift)	laden/unladen		m/s	9.4/15.2	12.9/19.7	12.9/18.3	12.0/18.3	0.050/0.061
	5.21	Lifting speed (main lift)	laden/unladen		m/s	0.10/0.15			0.10/0.15	0.14/0.22
	5.3	Lowering speed (initial lift)	laden/unladen		m/s	35.2/13.3	33.1/20.1	27.3/27.8	27.2/27.8	0.102/0.082
	5.3.1	Lowering speed (main lift)	laden/unladen		m/s		0.326/0.13		0.326/0.13	0.488/0.197
	5.8	Gradeability	laden/unladen		%	10/20	10/20	10/20	10/20	12/20
	5.9	Acceleration speed (over 10 m)	laden/unladen		s	7.3/7	7/6.5	7.3/7	8.2/7.8	7.6/6.7
	5.10	Service brake					Electromagnetic		Electromagnetic	Electromagnetic
	6.1	Drive motor, rating S2 60 min			kW		1.3		1.3	1.5
Electric motor	6.2	Lift motor, rating at S3 15%			kW		1.2		1.2	2.2
	6.6.2	CO <sub>2</sub> -equivalent emissions			kg/h	0.318	0.346	0.318	0.365	-
	6.3	Battery in accordance with DIN 43531/35/36 A, B, C				DIN 43535			DIN 43535	2PzS
	6.4	Battery voltage/rated capacity K <sub>s</sub>		V/Ah	Tray 11		24/62 oder 125		-	-
					Tray 72	24/150	-	24/150	24/150	-
					Tray 112	24/250	-	24/250	24/250	24/200 Li-Ion: 24/205-410
					Tray 11		14/23		-	-
	6.5	Battery weight ±10% (depending on manufacturer)		kg	Tray 72	133/170 <sup>4</sup>	-	133/170	133/170 <sup>4</sup>	-
					Tray 112	162/240 <sup>4</sup>	-	162/240	162/240 <sup>4</sup>	290
	6.6	Energy consumption according to VDI cycle			kWh/h	0.59	0.64	0.59	0.68	0.48
Misc.	6.7	Turnover output according to VDI 2198			t/h	26	29	26	32	-
	6.8	Turnover efficiency according to VDI 2198			t/kWh	32	45	32	37	-
	8.1	Transmission control					AC control		AC control	AC control
	8.4	Sound level at driver's ear			dB(A)	58	61	58	58	62

<sup>1</sup> Initial lift raised/lowered

<sup>2</sup> Initial lift raised

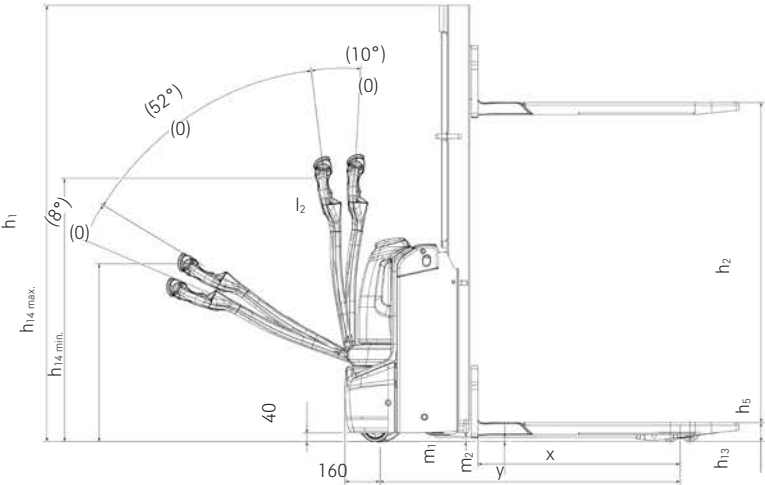
<sup>3</sup> Tandem load rollers

<sup>4</sup> +75 mm with 3PzS

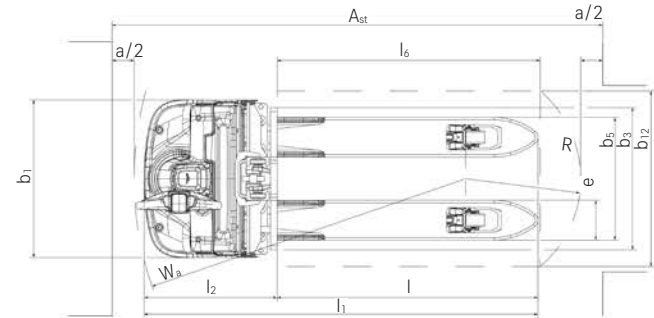
<sup>5</sup> A<sub>st</sub> = W<sub>a</sub> + R + a; safety distance of = 200 mm; R 4.34 = 604 mm; R 4.34.1 = 613 mm; R 4.34.2 = 516 mm

<sup>6</sup> With creep speed function = drawbar in vertical position

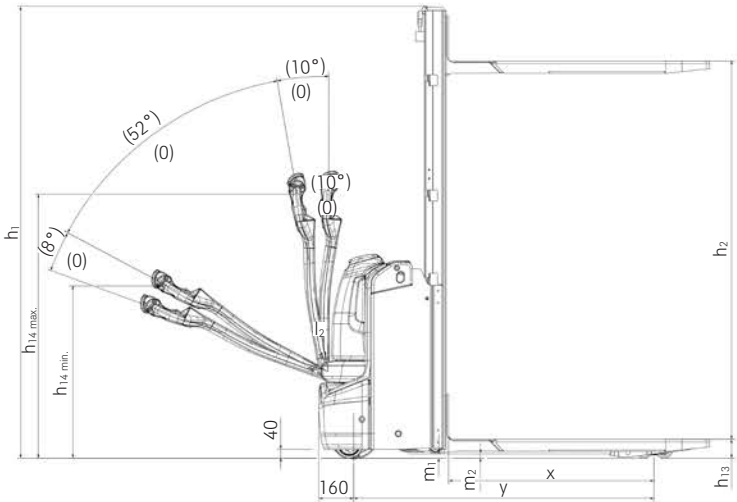
# EXD Double Deck High Lift Pallet Truck Technical Drawings



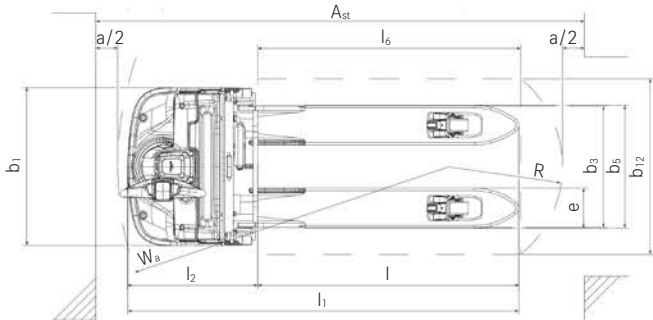
EXD 18C with mono mast side view



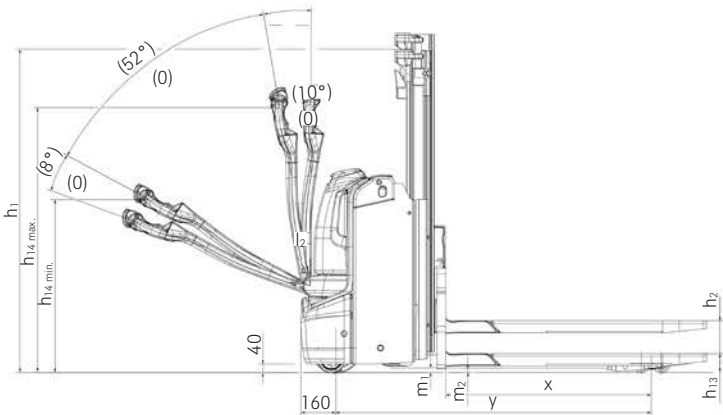
EXD 18C with mono mast top view



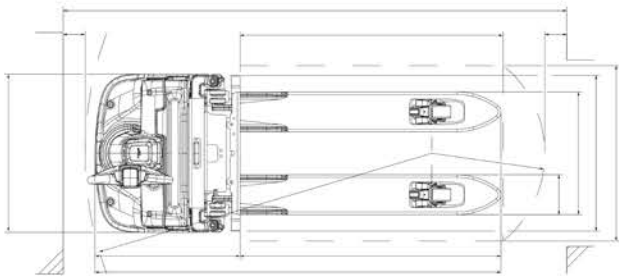
EXD 18C with simplex mast side view



EXD 18C with simplex mast top view

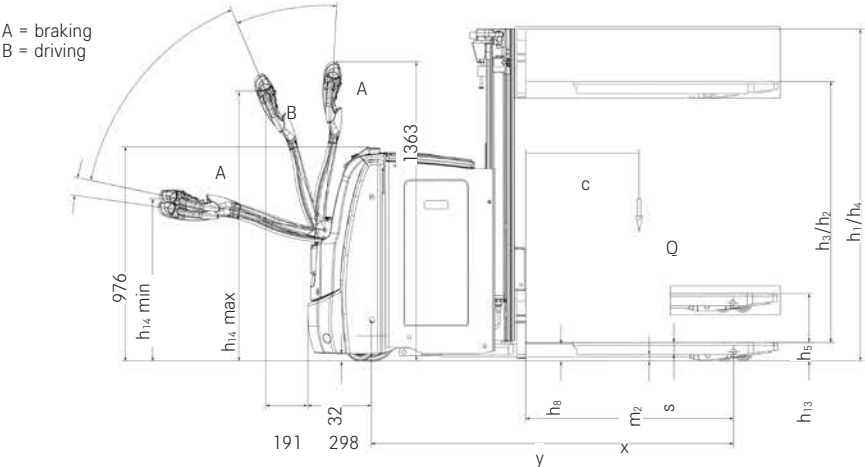


EXD 20C side view

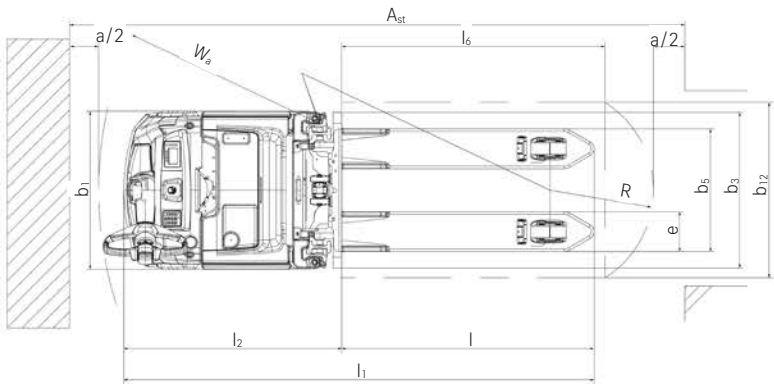


EXD 20C top view

# EXD Double Deck High Lift Pallet Truck Technical Drawings



EXD 20 side view



EXD 20 top view

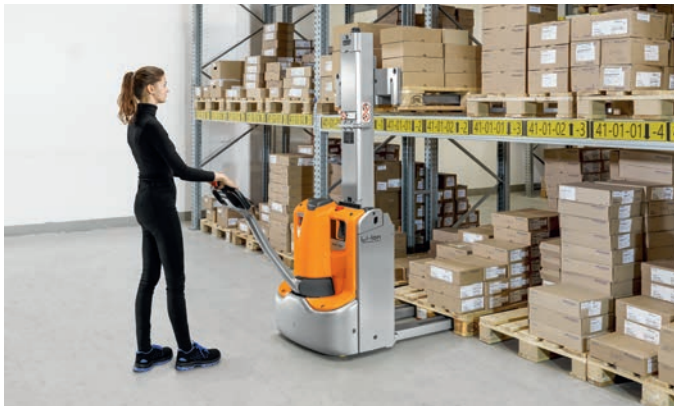
## Mast Tables

EXD 18C-20C			Telescopic			Mono*	HiLo	
	Height	h <sub>1</sub>	mm	1240	1315	1465	1989	2061
	Height with free lift applied (h <sub>3</sub> = 150 mm)	h <sub>1</sub> '	mm	1315	1390	1540	1989	2061
	Free lift	h <sub>2</sub>	mm	150	150	150	1416	1724
	Lift	h <sub>3</sub>	mm	1574	1724	2024	1590	1724
	Height, mast raised	h <sub>4</sub>	mm	2094	2244	2544	2201	2186
EXD 20			Telescopic				HiLo	
	Height	h <sub>1</sub>	mm	1240		1465	1665	1915
	Height with free lift applied (h <sub>3</sub> = 150 mm)	h <sub>1</sub> '	mm	1315		1540	1740	-
	Free lift	h <sub>2</sub>	mm	150		150	150	1395
	Lift	h <sub>3</sub>	mm	1574		2024	2424	2924
	Height, mast raised	h <sub>4</sub>	mm	2094		2544	2944	3444

\*only for EXD18C

## EXD 18C-20C Double Deck High Lift Pallet Truck

### Detailed Photos



Everything in sight and a clear view of the forks thanks to the slim mono mast on the EXD 18C. The maximum lifting height of 1,590 mm ensures full control and uncomplicated manoeuvring



With the innovative STILL tiller with OptiSpeed, driving, lifting and steering operations can be controlled simultaneously with just one hand and without having to change grip



Narrow battery trays for a particularly compact design



Thanks to the optional auto-lift function, the EXD 18C-20C automatically lifts goods to an ergonomic working height of up to 761 mm



Efficient and time-saving battery charging at all times thanks to fast charging access



Thanks to OptiSpeed, the STILL tiller adapts the driving speed to the tiller angle at all times



## EXD 20 Double Deck High Lift Pallet Truck

### Detailed Photos



Precision as standard: electrical steering unit for precise manoeuvring



Up the ramp and down again: traction in any situation due to the hydraulic support wheel suspension



At home in any aisle: the particularly compact dimensions enable manoeuvring in even the narrowest spaces



Lateral battery change option and Li-Ion technology for optimum availability and ergonomics



High handling capacity due to simultaneous transport of two non-stackable carriers



Colour display with language-independent symbols shows all of the important functions at a glance

EXD 18C-20C Double Deck High Lift Pallet Truck  
Double the load - half the time



## EXD Double Deck High Lift Pallet Truck

### Double the load – half the time

Efficiency in the smallest of spaces: agile, slim and powerful, the EXD 18C-20C makes better use of available storage space than any other

Safe and ergonomic on all routes thanks to the award-winning STILL tiller with OptiSpeed function

Everything in view: the slim mono mast on the EXD18C allows a clear view of the forks at all times



### EXD 18C-20C – Does double duty

Are you looking for a flexible double stacker truck that can effortlessly handle loads up to 2,000 kg? That gives you efficient and powerful support when loading and unloading lorries, and allows maximum handling in the smallest of spaces? Then the new EXD 18C-20C is the perfect solution for you. With its slim vehicle contour and impressively small turning circle, the double stacker is perfect for tight warehouse environments and all other applications where saving space is an important success factor. But it not only saves space, it also saves time. Where others simply stack, the EXD 18C-20C does double duty. It can

carry loads of up to 1,000 kg on its wheel arms and a further 800 to 1,000 kg on its forks. At the same time, the IFOY award-winning STILL tiller can be operated intuitively and ergonomically with just one hand - left or right. The large display in the tiller head summarises all relevant information in a transparent and language-neutral manner. With its slim mono mast, the EXD 18C also provides a clear view of the forks and load - for maximum efficiency, optimum ergonomics and reliable safety for operator, truck and goods.

Precision handling due to the electrical steering unit

Optimum availability thanks to high battery capacity and Li-Ion technology

Comfortable on the ramp: hydraulic support wheel suspension for optimum traction



### EXD 20 - Maximum efficiency on two levels

In transporting heavy loads the EXD 20 excels, ranking amongst the most powerful hand-operated double deck high lift pallet trucks on the market. Up to 2,000 kg, or two lots of 1,000 kg in double deck operation, can be moved by the manoeuvrable warehouse organiser. All the functions can be controlled with one hand by both left-handed as well as right-handed people. The tactile raise and lower buttons are clearly distinguishable from each other, allowing the user to

concentrate completely on the goods being transported. Because of the electrical steering unit, the EXD 20 runs smoothly and without any jolts and can manoeuvre accurately in the most confined of spaces. The EXD 20 high lift pallet truck is always available and can run continuously thanks to its battery capacity of up to 375 Ah. It is also available with lateral battery change and Li-Ion technology.



## EXD Double Deck High Lift Pallet Truck Extensive Equipment

---



### Simply easy

---

- High handling capacity and double load: double deck operation for flexible use
- High turnaround rate: powerful, reliable and low-maintenance electrical drive and steering motor on the EXD 20
- Battery capacity of up to 375 Ah and lateral battery change available as well as a Li-Ion battery, which concentrates a large amount of energy and allows for easy interim charging
- The right driving programme for all situations: select maximum turnaround or maximum efficiency: ECO, BOOST or Blue-Q
- 5-wheel chassis: high lateral stability for powerful ramp travel and easy negotiation of uneven ground
- Intuitive and convenient operation for right- and left-handed operators with the innovative STILL tiller on the EXD 18C-20C
- Precise manoeuvrability, even in the tightest of spaces: compact dimensions thanks to the integrated lithium-ion battery on the EXD 18C-20C



### Simply powerful

---

- Best views for precise operation: free view mast and centrally mounted tiller ensure clear view of the tips of the forks
- High availability, low maintenance and top performance with optional lithium-ion technology
- Reliable, even in narrow spaces: compact dimensions and high manoeuvrability
- Double the power: flexible use when loading and unloading lorries with stacked pallets or intermediate floors
- Powerful and safe even on ramps or uneven floors thanks to particularly high lateral stability
- Effective cost savings thanks to long battery life with low energy consumption



### Simply safe

---

- Battery changing made easy: lateral battery change option for even greater availability
- Easing the workload: easy-to-operate, ergonomically shaped STILL tiller head
- Safe goods handling thanks to optimum visibility of the forks when lowering the load
- Fast and safe at all times: OptiSpeed automatically adjusts the speed to the tiller's angle of inclination
- Maximum safety in confined spaces with the optional active foot guard on the EXD 18C-20C
- The deep-drawn truck frame protects the feet of operators and others in public areas
- Safe when cornering: Curve Speed Control automatically adjusts the speed in curves to the steering angle of the EXD 20
- The speed reduction based on lift height increases safety



### Simply flexible

---

- High pallet reloading rate: compact size allows for quick and safe operation
- Additional storage space for goods: copes with narrow aisles thanks to its compact dimensions and high manoeuvrability
- The built-in charger enables flexible and decentralised charging of the truck
- Safe manoeuvring in tight areas thanks to the vehicle's creep speed function with vertical tiller position
- Compact vehicle width: flexible use in different work areas
- The right driving programme for every application: flexible adaptation to individual requirement profiles possible
- Necessary or practical additional equipment (e.g. scanner) can be easily and securely attached to the optional accessory bar and reached with a single move



### Simply connected

---

- Concise information: the STILL neXXt fleet web application bundles all relevant vehicle information at a glance
- Safety for driver and vehicle thanks to the innovative STILL FleetManager: operator management and impact detection as well as damage and cost minimisation thanks to access protection

## EXD Double Deck High Lift Pallet Truck Equipment Variants



		EXD 18C	EXD 20C	EXD 20
General information	Storage compartment on the accessory bar	○	○	○
	DIN-A4 writing pad	○	○	○
	Display of operating hours and battery charge level	●	●	—
	Display of operating hours and battery status with colour display	○	○	●
	Easy-grip tiller for left and right-handed operators	●	●	●
	Various driving programmes	●	●	●
	Fork dimensions 1190 mm/520 mm, 535 mm, 540 mm	○	—	○
	Fork dimensions 1190 mm/560 mm	●	●	●
	Cold store variant	○	○	○
	Auto-lift function	○	○	—
	Accessory bar	○	○	○
	Load protective grille	●	●	○
	Creep speed with tiller in vertical position	●	●	○
	STILL tiller with OptiSpeed: max. driving speed depends on the tiller angle	●	●	●
	MMS preparation (24V)	○	○	○
Mast	Mono mast	○	—	—
	Simplex mast	○	—	—
	Telescopic mast	○	○	○
	Protective mast screen made from polycarbonate	○	○	●
	Soft landing of the fork carriage	○	○	○
Wheels	Polyurethane drive wheel	●	●	●
	Polyurethane drive wheel, for damp, dusty and slippery surfaces	○	○	○
	Polyurethane drive wheel, for heavy-duty applications, non-marking	○	○	○
	Polyurethane load rollers, single	●	●	○
	Polyurethane load rollers, tandem	○	○	●
	Polyurethane load rollers, tandem, greasable	○	○	○
	Drive wheel tyre, polyurethane	●	●	●
	Drive wheel tyre, polyurethane, profiled	○	○	○
	Drive wheel tyres, solid rubber	○	○	○
Safety	Stabilising wheels, spring-mounted	●	●	●
	FleetManager: access authorisation, shock detection, reports	○	○	○
	Worklight	○	○	○
	STILL key access authorisation	●	●	●
	PIN code access	○	○	○
Battery system	Foot guard	○	○	—
	Built-in charger	○	○	○
	Battery cover, metal (tray 72)	●	●	—
	Battery cover, plastic, with foil roll holder	○	○	●
	Battery (24V; 134-150 Ah), for battery change by crane	○	○	—
	Battery (24V; 200-250 Ah), for lateral battery change	○	○	○
	Battery (24V; 200-250 Ah), for battery change by crane	○	○	●
	Battery (24V; 300-375 Ah), for lateral battery change	—	—	○
	Battery (24V; 300-375 Ah), for battery change by crane	—	—	○
	Li-ion battery (24V; 1.8-3.6 kWh), non-replaceable	○	—	—
	Li-ion battery (24V; 3.6-7.1 kWh), for battery change by crane	○	○	—
	Li-ion battery (24V; 3.6-7.1 kWh), for lateral battery change	○	○	—
	Li-ion battery (24V; 205 Ah)	—	—	○
	Li-ion battery (24V; 410 Ah)	—	—	○
	STILL lithium-ion battery	●	●	○

● Standard   ○ Option   — Not available



STILL GmbH  
Berzeliusstr. 10  
22113 Hamburg  
Germany

Tel.: +49 40 73 39 20 00

Fax: +49 40 73 39 20 01

info@still.de

**For further information please visit**

**[www.still.eu](http://www.still.eu)**

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



**first in intralogistics**