EXD 18C-20C Technical Data
Double Deck High Lift Pallet Truck

EXD 18C

EXD 20C



Li-Ion INSIDE

EXD 18C-20C Double Deck High Lift Pallet Truck
Does double duty

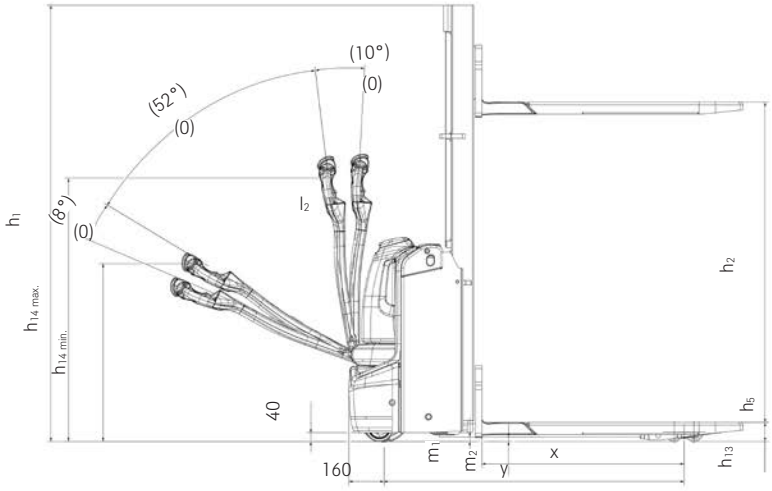
This specification sheet according to VDI Guideline 2198 only provides the technical values for the standard truck.
Different tyres, other masts, additional equipment, etc. may produce different figures.



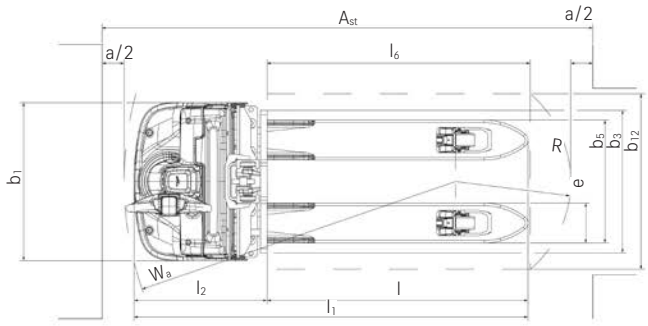
Features	1.1	Manufacturer					STILL			STILL
	1.2	Manufacturer's model designation					**EXD 18C/Li-Ion**			**EXD 20C/Li-Ion**
		Mast					Simplex	Mono	Telescopic	
	1.3	Drive						Electric		Electric
	1.4	Operation						Pedestrian truck		Pedestrian truck
	1.5	Capacity/load		Q	kg			1800		2000
	1.5.1	Capacity/load	as double decker	Qi + Qm	kg			1000 + 800		1000 + 1000
	1.6	Load centre		c	mm			600		600
	1.8	Load distance		x	mm		873/936[1]	859/922[1]	874/937[1]	874/937[1]
	1.9	Wheel base		y	mm	Tray 11	1306/1369[1]	1306/1369[1]	1375/1438[1]	–
						Tray 72	1356/1419[1]	–	1425/1488[1]	1425/1488[1]
						Tray 112	1411/1474[1]	–	1480/1543[1]	1480/1543[1]
Weight	2.1	Service weight (incl. battery)			kg	Tray 11	664	621	715	–
						Tray 72	779	–	830	830
						Tray 112	808	–	858	858
	2.2	Axle load, laden	drive end/load end		kg		797/1667	783/1638	808/1707	923/1907
	2.3	Axle load, unladen	drive end/load end		kg		482/182	451/170	601/229	601/229
Wheels/chassis	3.1	Tyres						Polyurethane		Polyurethane
	3.2	Tyre size	drive end					ø 230 x 75		ø 230 x 75
	3.3	Tyre size	load end					ø 85 x 80 (85 x 60)[3]		ø 85 x 80 (85 x 60)[3]
	3.4	Support roller size	drive end		mm			ø 2 x 125 x 40		ø 2 x 125 x 40
	3.5	Number of wheels (x = driven)	drive end/load end					1x + 2 / 2 (1x + 2 / 4)[3]		1x + 2 / 2 (1x + 2 / 4)[3]
	3.6	Tread width	drive end/load end	b_{10}/b_{11}	mm		482/338/353/378	482/353/378	482/353/378	482/353/378
Basic dimensions	4.2	Height of mast when lowered		h_1	mm			see mast table		see mast table
	4.3	Free lift		h_2	mm			see mast table		see mast table
	4.4	Lift		h_3	mm			see mast table		see mast table
	4.5	Height of mast when raised		h_4	mm			see mast table		see mast table
	4.6	Initial lift		h_5	mm			125		125
	4.9	Height of tiller in driving position	min./max.	h_{14}	mm			810/1205		810/1205
	4.10	Height of wheel arms		h_8	mm			60		60
	4.15	Height when lowered		h_{13}	mm			86		86
	4.19	Overall length		l_1	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
	4.20	Length including fork backs		l_2	mm	Tray 11	592	606	660	660
						Tray 72	642	–	710	710
						Tray 112	697	–	765	765
	4.21	Overall width		b_1	mm			720		720
	4.22	Fork dimensions		s/e/l	mm			55/182/1190		55/182/1190
	4.24	Fork carriage width		b_3	mm		514/529/554	650	710	710
	4.25	Overall fork width		b_5	mm		520/535/560	535/560	560	560
	4.31	Ground clearance, laden, below mast	min./max.	m_1				20/145		20/145
	4.32	Ground clearance, centre of wheel base	min./max.	m_2	mm			20/145		20/145
	4.33	Load dimension		b_{12} x l_6	mm			1200 X 800		
	4.34	Aisle width for specified load dimensions		A_{st}	mm	Tray 11	2316[5, 6]	2315[5, 6]	2385[5, 6]	–
						Tray 72	2366[5, 6]	–	2435[5, 6]	2435[5, 6]
						Tray 112	2421[5, 6]	–	2490[5, 6]	2490[5, 6]
	4.34.1	Aisle width for pallets 1000 x 1200 crosswise		A_{st}	mm	Tray 11	2325[5, 6]	2328[5, 6]	2393[5, 6]	–
						Tray 72	2375[5, 6]	–	2443[5, 6]	2443[5, 6]
						Tray 112	2430[5, 6]	–	2498[5, 6]	2498[5, 6]
	4.34.2	Aisle width for pallets 800 x 1200 lengthwise		A_{st}	mm	Tray 11	2228[5, 6]	2237[5, 6]	2296[5, 6]	–
						Tray 72	2278[5, 67]	–	2346[5, 6]	2346[5, 6]
						Tray 112	2333[5, 6]	–	2401[5, 6]	2401[5, 6]
	4.35	Turning radius		W_a	mm	Tray 11	1512/1575[1]	1512/1575[1]	1581/1644[1]	–
						Tray 72	1562/1625[1]	–	1631/1694[1]	1631/1694[1]
						Tray 112	1617/1680[1]	–	1686/1749[1]	1686/1749[1]
Performance data	5.1	Driving speed	laden/unladen		km/h		6.0/6.0	5.0/5.0	6.0/6.0	5.0/5.0
	5.1.1	Travel speed, backwards	laden/unladen		km/h		6.0/6.0	5.0/5.0	6.0/6.0	5.0/5.0
	5.2	Lifting speed	laden/unladen		m/s		9.4/18.2	12.9/19.7	12.9/18.3	12.0/18.3
	5.3	Lowering speed	laden/unladen		m/s		35.2/13.3	33.1/20.1	27.3/27.8	27.2/27.8
	5.8	Gradeability	laden/unladen		%		10/20	10/20	10/20	10/20
	5.9	Acceleration speed (over 10 m)	laden/unladen		s		7.3/7	7/6.5	7.3/7	8.2/7.8
	5.10	Service brake						Electromagnetic		Electromagnetic
Electric motor	6.1	Drive motor, rating S2 60 min			kW			1.3		1.3
	6.2	Lift motor, rating at S3 15%			kW			1.2		1.2
	6.6.2	CO_2-equivalent emissions			kgh		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
	6.4	Battery voltage/rated capacity K_5			V/Ah	Tray 11		24/62 oder 125		–
						Tray 72	24/150	–	24/150	24/150
						Tray 112	24/250	–	24/250	24/250
	6.5	Battery weight ±10% (depending on manufacturer)			kg	Tray 11		14/23		–
						Tray 72	133/170[4]	–	133/170	133/170[4]
						Tray 112	162/240[4]	–	162/240	162/240[4]
	6.6	Energy consumption according to VDI cycle			kWh/h		0.59	0.64	0.59	0.68
	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
Misc.	8.1	Transmission control						AC control		AC control
	8.4	Sound level at driver's ear			dB(A)		58	61	58	58

[1] Initial lift raised/lowered
[2] Initial lift raised
[3] Tandem load rollers
[4] +75 mm with 3PzS
[5] $A_{st} = W_a + R + a$; safety distance of = 200 mm; R 4.34 = 604 mm; R 4.34.1 = 613 mm; R 4.34.2 = 516 mm
[6] With creep speed function = drawbar in vertical position

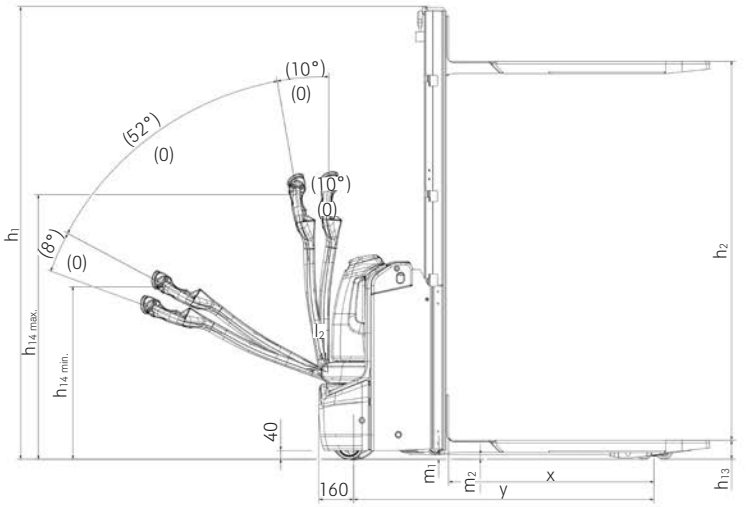
EXD 18C-20C Double Deck High Lift Pallet Truck
Technical Drawings



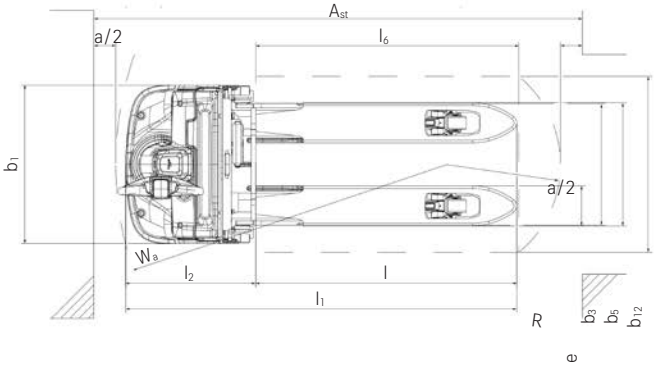
EXD 18C with mono mast side view



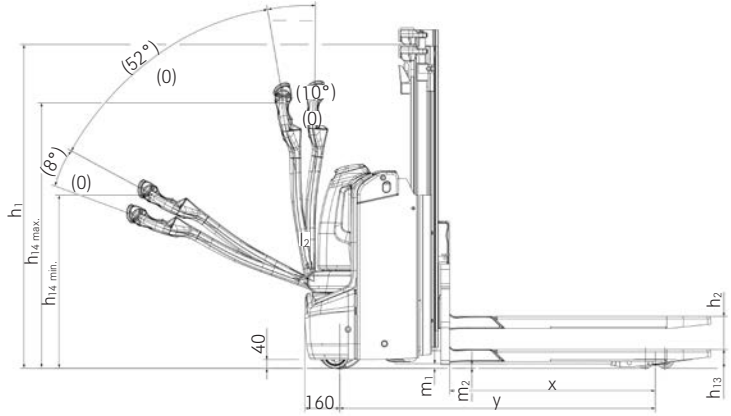
EXD 18C with mono mast top view



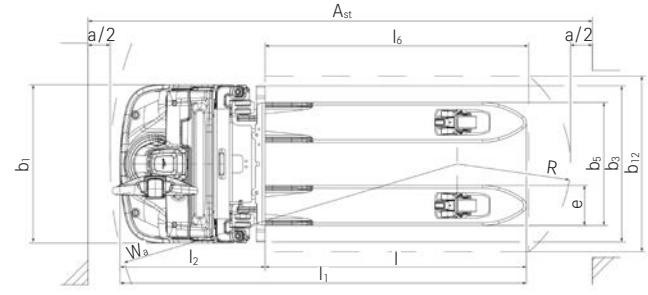
EXD 18C with simplex mast side view



EXD 18C with simplex mast top view



EXD 20C side view



EXD 20C top view

Mast Tables

				Simplex*	Mono*	Telescopic		
EXD 18C-20C	Height	h_1	mm	2060	1989	1250	1325	1475
	Height with free lift applied (h_3 = 150 mm)	h_1'	mm	2060	1989	1325	1400	1550
	Free lift	h_2	mm	1730	1416	150	150	150
	Lift	h_3	mm	1730	1590	1574	1724	2024
	Height, mast raised	h_4	mm	2185	2201	2220	2370	2670

*only for EXD 18C

EXD 18C-20C Double Deck High Lift Pallet Truck
Does double duty

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



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.

Detailed Photos



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

Simply easy

- High handling capacity and double load: double deck operation for flexible use
- 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
- Precise manoeuvrability, even in the tightest of spaces: compact dimensions thanks to the integrated lithium-ion battery

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
- The deep-drawn truck frame protects the feet of operators and others in public areas
- 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

- Intelligently connected for maximum transparency, vehicle safety and cost-efficiency. The Smart Portal brings together all relevant fleet information in a clear and concise format – from operator management and impact detection to access protection



EXD 18C-20C Double Deck High Lift Pallet Truck
Equipment Variants



		EXD 18C	EXD 20C
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	○	○
	Stabilising wheels, spring-mounted	●	●
Safety	Smart Portal: access authorisation, shock detection, reports	○	○
	Worklight	○	○
	STILL key access authorisation	●	●
	PIN code access	○	○
	Foot guard	○	○
Battery system	Built-in charger	○	○
	Battery cover, metal	○	○
	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; 1.5-3.6 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 k), for lateral battery change	○	○
	Li-ion battery (24V; 205 Ah)	—	—
	Li-ion battery (24V; 410 Ah)	—	—
	STILL lithium-ion battery	●	●

● Standard ○ Option — Not available



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



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

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

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

EXD EN 08/26 Subject to technical modifications.