SXD Technical Data
Double Deck High Lift Pallet Truck

SXD 20



Li-Ion INSIDE

SXD Double Deck High Lift Pallet Truck
Double Load - Easy Transport

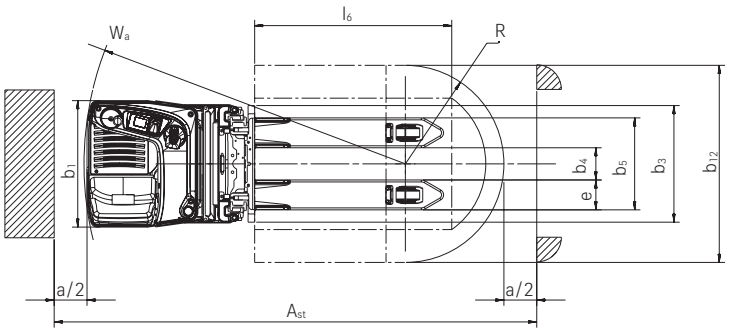
This specification sheet, which conforms to VDI guideline 2198, provides the technical values for the standard equipment only. Different tyres, other masts, additional equipment etc. may produce different figures.

Features	1.1	Manufacturer				STILL
	1.2	Manufacturer's model designation				**SXD 20/Li-Ion**
	1.3	Drive				Electric
	1.4	Operation				Stand-on
	1.5	Nominal load		Q	kg	2000
	1.5.1	Capacity/load	as a double decker	Qi + Qm	kg	1000+800
	1.6	Load centre distance		c	mm	600
	1.8	Load distance		x	mm	860 [3]
	1.9	Wheel base		y	mm	1780 [3]
Weights	2.1	Service weight incl. battery			kg	1348 [1]
	2.2	Axle load, laden	drive end/load end		kg	1273/2075 [1]
	2.3	Axle load, unladen	drive end/load end		kg	943/405
Wheels/chassis	3.1	Tyres				Polyurethane
	3.2	Tyre size	drive end	Ø x l	mm	254 x 102
	3.3	Tyre size	load end	Ø x l	mm	85 x 85 (2x 85x60) [2]
	3.4	Support rollers size		Ø x l	mm	2x 140x50
	3.5	Number of wheels (x = driven)	drive end/load end			1x + 1/2 (1x + 1/4) [2]
	3.6	Tread width	drive end/load end	b_{10}/b_{11}	mm	484/380
Dimensions	4.2	Height	mast lowered	h_1	mm	see mast table
	4.3	Free lift		h_2	mm	see mast table
	4.4	Lift		h_3	mm	see mast table
	4.5	Height [4]	mast extended	h_4	mm	see mast table
	4.6	Initial lift		h_5	mm	125
	4.7	Seat height rel. to SIP		h_7	mm	–
	4.15	Fork height lowered		h_{13}	mm	86
	4.19	Total length		l_1	mm	2170 [1]
	4.20	Length including fork backs		l_2	mm	1020 [1]
	4.21	Total width		b_1	mm	770
	4.22	Fork dimensions		s/e/l	mm	51/180/1150
	4.23	Wheel dimensions		s/e/l	mm	76/150/1115
	4.24	Fork carriage width		b_3	mm	710
	4.25	Overall fork width		b_5	mm	560
	4.26	Width between wheel arms		b_4	mm	196
	4.32	Ground clearance, centre of wheel base		m_2	mm	20
	4.34	Working aisle width with 800 x 1200 pallet lengthways		A_{st}	mm	2640 [1]
	4.35	Turning radius		W_a	mm	1950 [1]
Performance data	5.1	Driving speed	laden/unladen		km/h	10/10
	5.2	Lifting speed	laden/unladen		m/s	0.013/0.023
	5.3	Lifting speed, initial lift	laden/unladen		m/s	0.064/0.089
	5.3	Lowering speed	laden/unladen		m/s	0.045/0.032
		Lowering speed, initial lift	laden/unladen		m/s	0.073/0.075
	5.8	Max. gradeability	0 kg/1200 kg/2000 kg		%	20/15/13
	5.9	Service brake				Electromagnetic
Electric engine	6.1	Drive motor, rating S2 = 60 min			kW	3.0
	6.2	Lifting motor, rating S3 = 10%			kW	2.3
	6.3	Battery according to DIN 43531/35/36 A, B, C, no				3PzS
	6.4	Battery voltage/rated capacity K_5			V/Ah	24/300 Li-Ion: 23/205
	6.5	Battery weight ±5% (depends on manufacturer)			kg	290
	6.6	Energy consumption according to VDI cycle			kWh/h	1.01
	6.7	Handling rate acc. to VDI cycle			t/h	136
Misc.	8.1	Transmission control				AC control
	10.7	Noise level (at operator's ear)			dB(A)	67
		Human vibrations: acceleration in accordance with EN 13059			m/s^2	0.74

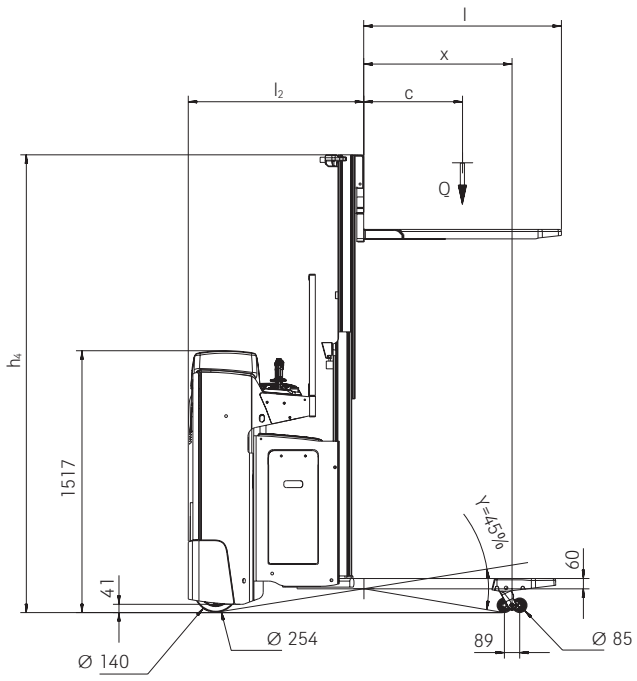
[1] With 3PzS battery; +75 mm 4PzS battery SXD 20; +100 mm 4PzS battery FXD 20 N/FXD 20
[2] With tandem rollers
[3] Initial lift lowered
[4] With load backrest +566 mm

Mast Tables

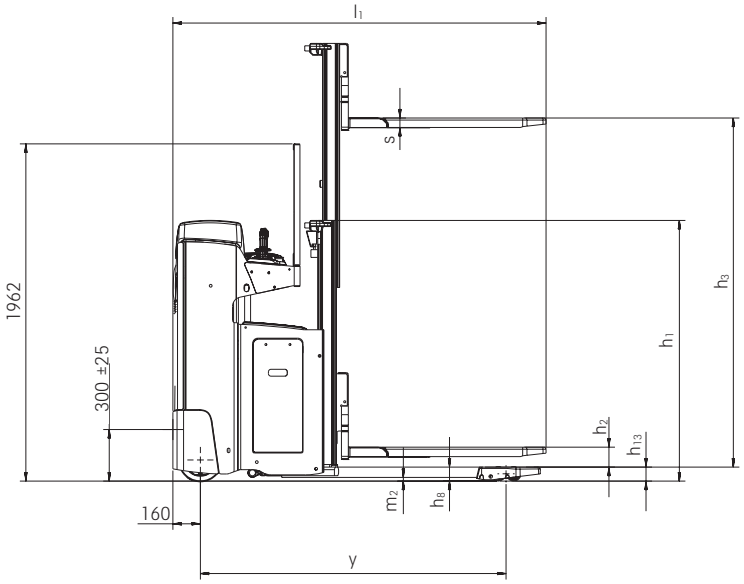
				Telescopic mast					**HiLo mast**				
SXD 20	Height	h_1	mm	1240	1315	1415	1465	1515	1240	1315	1415	1465	1515
	Mast height with used free lift	h_1'	mm	1315	1390	1490	1540	1590	-	-	-	-	-
	Free lift	h_2	mm	150	150	150	150	150	720	795	895	945	995
	Lift	h_3	mm	1574	1724	1924	2024	2124	1574	1724	1924	2024	2124
	Height, mast extended [4]	h_4	mm	2094	2244	2444	2544	2644	2094	2244	2444	2544	2644



Top view SXD



Side view SXD



Side view SXD



Perfect view of the prongs increases the reloading rate and safety



Precise driving, lifting and lowering with standard joystick, without having to keep changing hands for fatigue-free operation



Edge-free battery door for operation in confined spaces



Maximum comfort: The steering wheel can be positioned on the left- or right-hand side for individual adjustments



Back-friendly even on longer stretches thanks to the sprung foot plate



Standard lateral battery change for maximum availability and ergonomics



Optional Joystick 4Plus for lift, lowering and transmission control without having to change hands for fatigue-free operation

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Double Load - Easy Transport



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Powerful and compact: Lifting capacity of up to 2,000 kg and narrow chassis with a width of only 770 mm

Powerful movement on ramps to increase handling capacity and high level of safety because of optional chassis counterbalance

Intuitive operator guidance as the control unit can be attached on the left or right operating side



The SXD is a truck for the most demanding applications. The SXD quickly and safely handles double-deck storage, loading and unloading lorries or even horizontal transport. It saves time by transporting two standard pallets at once to your chosen location. Loads are incredibly easy to move even on ramps, due to the optional counterbalance for the chassis. The SXD's strength lies in its flexibility. As a double deck truck, the SXD can transport 800 kg on the mast and, at the same time, 1,200 kg on the initial lift. If the initial lift is not used, the SXD can also function as a high lift pallet truck for up to 1,200 kg.

As a high lift pallet truck, the SXD transports even 2,000 kg on a pallet. This saves time and increases the handling performance. In addition, more, the SXD is also ideally suited as a work or lifting table, and for shelf-filling. Its individuality is also reflected in the details: The steering wheel on the driver's stand can be mounted on the right- or left-hand side to take individual operator preferences into account. This customisation increases safety in the warehouse, as the truck can be operated as preferred. The compact dimensions, enable it to be used in the smallest of spaces, and the cushioned driver's operating platform complete the whole package and make the SXD the perfect warehouse assistant.

Extensive Equipment

Power

- Effective goods handling: Driving speed up to 12 km/h
- High handling rate thanks to stacking on two levels with a load capacity of up to 2,000 kg
- Enough power for multiple shifts: High battery capacity of up to 620 Ah and lateral battery change available
- Always available: The Li-Ion battery bundles large amounts of energy and allows for quick and easy interim charging
- The right driving programme for all situations: ECO, BOOST or Blue-Q – from maximum handling rate to highest efficiency

Precision

- Precise handling of all functions with the joystick without having to keep changing hands
- Fatigue-free operation: Precise and intuitive electrical steering unit
- Sensitive and intuitive operation with the proportional valve technology for lifting and lowering
- Everything in view, all the time: Display shows battery status, date and time

Ergonomics

- Reduced impact when driving over uneven surfaces with cushioned driver's seat
- All functions can be easily operated using the Joystick 4Plus without having to keep changing hands
- Ergonomic and intuitive operation: Option of steering wheel or steering knob

Compactness

- Ideal in the smallest of spaces: Compact truck dimensions and very high manoeuvrability allow for optimum use of warehouse space
- High pallet reloading rate: Flexible application options thanks to the compact dimensions
- At home in any aisle: Truck widths of 770 mm, 820 mm or 970 mm to choose from

Safety

- Extremely safe around corners: Curve speed control automatically adapts speed to the steering angle when cornering
- Extremely safe to drive due to speed limiter based on mast height
- High stability on uneven surfaces with the automatic counterbalance
- The large step and low entry make it safe and easy to get into
- Versatile, flexible access control with FleetManager 4.x

Environmental Responsibility

- Low operating costs: Low energy consumption and long maintenance intervals
- Low noise emissions due to extremely quiet drive and lifting motor

SXD Double Deck High Lift Pallet Truck
Equipment Variants



		SXD 20
General	Cushioned driver's seat	—
	Height-adjustable foot plate	—
	Cushioned foot plate	●
	Height-adjustable backrest	●
	Colour display and control unit	●
	Integrated storage option	●
	Fully electric steering	●
	Fully electric steering with reversing function	○
	Hydraulic operation via fixed joystick	●
	Hydraulic operation via Joystick 4Plus	—
	Driving with single pedal	—
	Driving with dual pedal	—
	Steering on the right-hand side	○
	Steering knob on the left-hand side	○
	High-performance AC drive motor	●
	Cold store variant	○
	Accessory rods on the right- or left-hand side or on both sides	○
	DIN A4 writing surface	○
	Preparation for data terminal	○
	Data transfer via Bluetooth or GPRS	○
	Low entry and handle	●
	Initial lift	●
Mast	Telescopic mast	○
	HiLo mast	○
	Mast protective grille	●
	Protective mast screen made from polycarbonate	○
Tyres	Load rollers, polyurethane, single	●
	Load rollers, polyurethane, tandem	○
	Load rollers, polyurethane, tandem, lubricated	○
	Drive wheel, polyurethane	●
	Drive wheel, polyurethane, profiled	○
	Drive wheel, polyurethane, soft	○
	Drive wheel, solid rubber	○
	Drive wheel, solid rubber, profiled	○
Safety	Automatic counterbalancing	○
	Access authorisation (key)	●
	Access authorisation (digicode)	○
	FleetManager access authorisation (digicode)	○
	FleetManager access authorisation (STILL chip/customer card/customer chip)	○
	FleetManager: Shock detection	○
	Curve Speed Control: Speed reduction when driving around corners	●
	Speed reduction based on mast height	●
	Speed limited to 8 km/h	○
	Load backrest	○
	Overhead guard	—
Battery	Lateral battery change with roller conveyor	○
	Battery compartment for battery up to 375 Ah	●
	Battery compartment for battery up to 500 Ah	○
	Battery compartment for battery up to 620 Ah	—
	205 Ah Li-Ion battery	○
	410 Ah Li-Ion battery	○

● Standard ○ Optional — Not available

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

SXD EN 01/26 Subject to technical modifications.