

# SXH Technical Data

## Stand-on Low Lift Pallet Truck

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SXH 20

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# SXH Stand-on Low Lift Pallet Truck

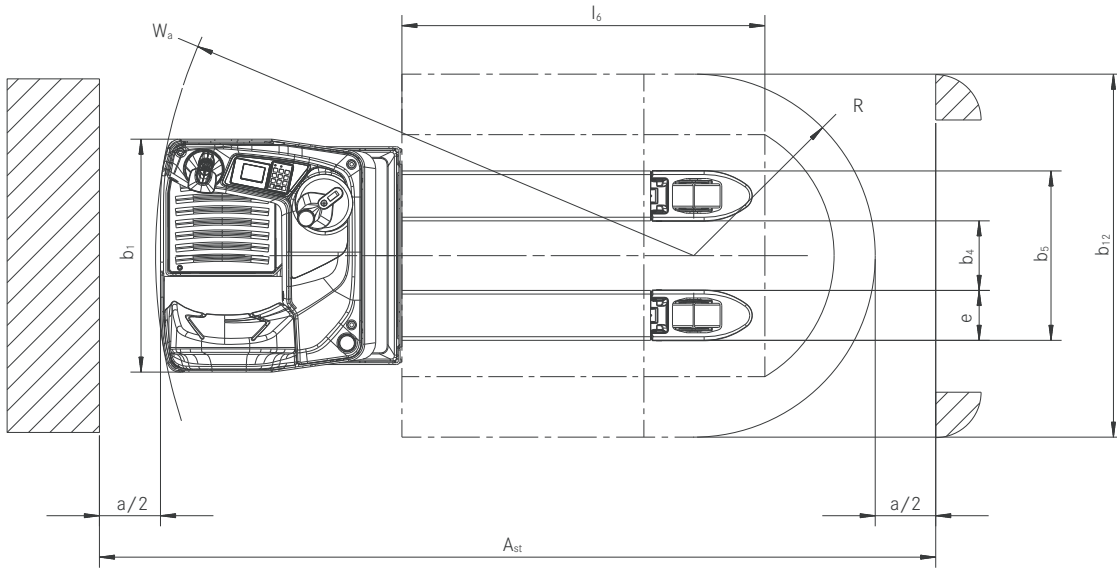
## At home in narrow aisles

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.

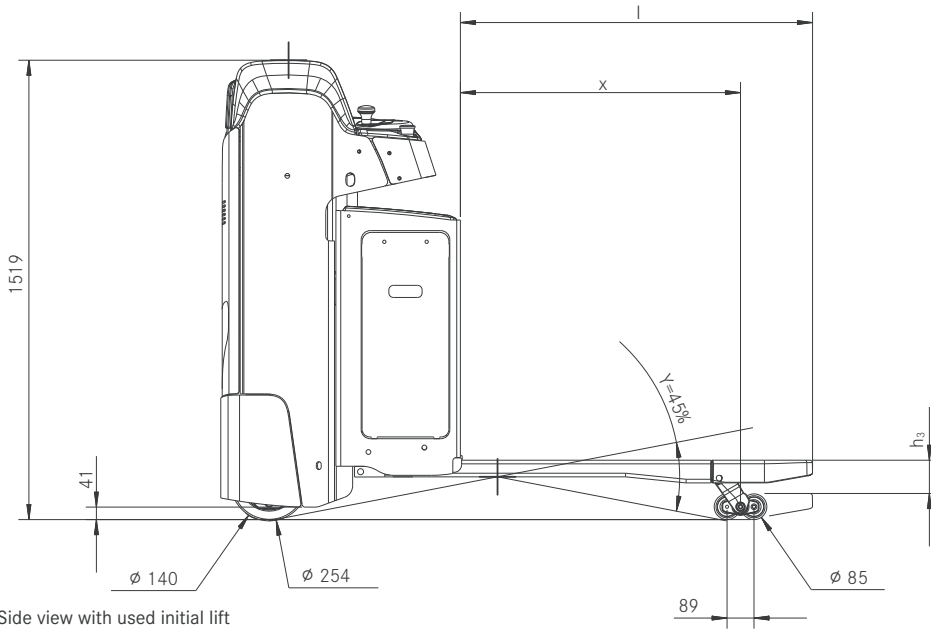


Distinguishing marks	1.1	Manufacturer			STILL
	1.2	Manufacturer's type designation			<b>SXH 20</b>
	1.3	Drive			Electric
	1.4	Operation			Pedestrian truck
	1.5	Nominal load	Q	kg	2000
	1.6	Load centre	c	mm	600
	1.8	Load distance	x	mm	965
	1.9	Wheel base	y	mm	1603
	Weights	2.1	Service weight incl. battery		kg
2.2		Axle load, laden	drive end/load end	kg	1075/1773
2.3		Axle load, unladen	drive end/load end	kg	672/176
Tyres/chassis	3.1	Tyres			Polyurethane
	3.2	Tyre size	drive end	mm	∅ 254 x 102
	3.3	Tyre size	load end	mm	∅ 85 x 105 (∅ 2 x 85 x 80)
	3.4	Support rollers		mm	∅ 2 x 140 x 50
	3.5	Number of wheels (x = driven)	drive end/load end		1 x / 1/2 (1 x / 1/4)
	3.6	Track width	drive end/load end	b <sub>10</sub> /b <sub>11</sub>	mm 484/395
Basic dimensions	4.4	Lift		h <sub>3</sub>	mm 125
	4.15	Fork height, lowered		h <sub>13</sub>	mm 88
	4.19	Overall length		l <sub>1</sub>	mm 1956
	4.20	Length including fork backs		l <sub>2</sub>	mm 800
	4.21	Overall width		b <sub>1</sub>	mm 770
	4.22	Fork dimensions		s/e/l	mm 55/165/1150
	4.25	Overall fork width		b <sub>5</sub>	mm 520/540/560/680
	4.32	Floor clearance, centre of wheel base		m <sub>2</sub>	mm 30
	4.34	Working aisle width with 800 x 1200 pallet lengthways		A <sub>st</sub>	mm 2215
	4.34.1	Working aisle width with 800 x 1200 pallet crossways		A <sub>st</sub>	mm 2580
Performance data	4.35	Turning radius		W <sub>a</sub>	mm 1710/1780
	5.1	Travel speed	laden/unladen	km/h	10/12
	5.2	Lifting speed	laden/unladen	m/s	0.036/0.043
	5.3	Lowering speed	laden/unladen	m/s	0.064/0.06
	5.8	Max. gradeability kB 5	laden/unladen	%	15/20
Electric engine	5.10	Service brake			Electromagnetic
	6.1	Drive motor, rating S2 = 60 min		kW	3
	6.2	Lift motor, rating at S3 = 10%		kW	1.2
	6.3	Battery according to DIN 43531/35/36 A, B, C, no			3PzS
	6.4	Battery voltage/nominal capacity K <sub>s</sub>		V/Ah	24/375
	6.5	Battery weight ±5% (depends on make)		kg	290
	6.6	Energy consumption according to VDI cycle		kWh/h	0.4
Misc.	6.7	Handling capacity		t/h	1.5
	8.1	Drive control			AC control
	10.7	Sound pressure level (driver's seat)		dB(A)	65
	Human vibrations: Acceleration in accordance with EN 13059		m/s <sup>2</sup>	0.74	

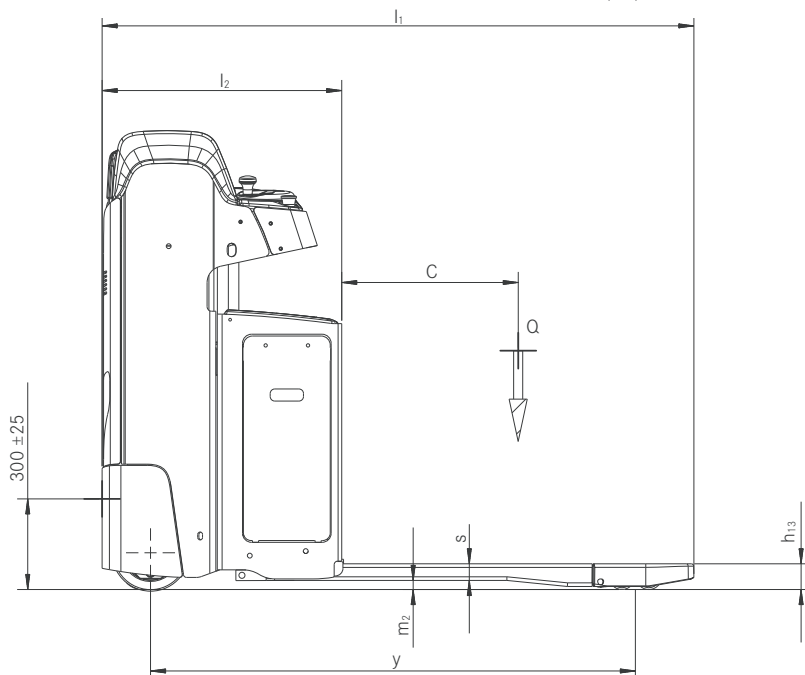
SXH Stand-on Low Lift Pallet Truck  
 Technical Drawings



Top view



Side view with used initial lift



Side view

# SXH Stand-on Low Lift Pallet Truck

## Detailed Photos



Even more individual: optional left hand or right hand steering



Individual preferences: also available with a steering knob on the left hand side



Fast and safe: the innovative battery lock makes changing the battery easy



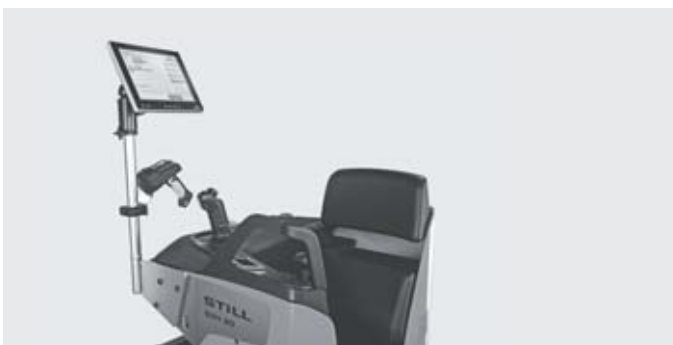
For even tighter areas: Also available with a battery door to prevent collisions in tight spaces



Good for the back: Suspended seat with comfortable backrest for continued concentrated work



Individual comfort: The backrest is adjustable to different needs and applications



The right accessory bar for any application: Mounted on the left or right hand side to match every application requirements



Also safe when moving high loads: Optional load backrest also suitable to mount accessory

SXH Stand-on Low Lift Pallet Truck  
At home in narrow aisles



## SXH Stand-on Low Lift Pallet Truck

### At home in narrow aisles

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High handling capacity due to very compact chassis and driving speeds of up to 12 km/h

Powerful movement on ramps to increase handling capacity, optional chassis counterbalance increases safety

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



The SXH low lift pallet truck brings together a host of cost-effective benefits in one product. The SXH is perfect for tough applications such as loading and unloading lorries or rapid horizontal transport. It can transport loads of up to 2,000 kg quickly and safely to the desired location. Using all its strength and its powerful motor, it can produce a burst of speed, with speeds of up to 12 km/h. Loads are incredibly easy to move even on ramps due to the optional counterbalance for the chassis.

The SXH's strength also lies in its flexibility: the steering wheel on the driver's stand can be positioned on the right- or left-hand side so that individual operator preferences can be considered. This customisation increases safety in the warehouse as the truck can be operated as preferred. Its compact dimensions, enabling it to be used in the smallest of spaces, the cushioned driver's operating platform and the optional lateral battery change complete the whole package and make the SXH the perfect warehouse assistant.

## Extensive Equipment

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### Power

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- Effective material handling: driving speed of up to 12 km/h
- Sufficient energy for multi-shift operation: high battery capacity and lateral battery change available
- Sufficient energy for all applications thanks to battery capacities of up to 500 Ah
- Full power: maintenance-free 3 kW three-phase AC drive in 24 V technology
- Powerful movement on ramps due to robust chassis with optional counterbalance

### Precision

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- Effortless work: smooth, precise electrical steering unit
- Compact and mobile: gets to work effortlessly in confined spaces and narrow aisles
- Precise, intuitive operation due to electrical steering unit

### Ergonomics

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- Individual comfort settings become possible: the truck is available with the steering on either the right- or left-hand side
- Very comfortable to drive: pleasant and low-impact driving because of minimal human vibrations due to spring-loaded operating platform
- Excellent hand controls: the fixed joystick protects the wrist when braking and accelerating
- Easy battery changes: optional lateral battery change makes changing the battery even easier
- Ergonomic and intuitive operation: choice between either a steering wheel or a steering knob

### Compactness

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- Ideal in the smallest of spaces: compact truck dimensions and very high manoeuvrability allow for optimum use of warehouse space
- High pallet reloading rate: compact size allows for quick and safe operation
- Truck width of 770 mm guarantees high manoeuvrability
- Perfect ergonomics: edge-free truck contours

### Safety

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- Extremely safe cornering: Curve Speed Control automatically adapts speed to the steering angle when cornering
- Extremely safe to drive due to load-based speed limiter
- Extremely stable: low truck centre of gravity makes it safe to use on ramps

### Environmental Responsibility

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- Strong and intelligent: Blue-Q efficiency mode allows energy savings of up to 7 per cent at the press of a button, with no loss of performance
- Low operating costs: low energy consumption and long maintenance intervals
- Very few noise emissions due to extremely quiet drive and lifting motor
- Recyclable: over 95 per cent of all installed materials are recyclable

# SXH Stand-on Low Lift Pallet Truck Equipment Variants



		SXH 20
Driver's stand	DIN A4 writing surface	○
	Hydraulic operation using fixed joystick	●
Steering	Fully electric steering unit, steering wheel on the left	●
	Fully electric steering unit, steering wheel on the right	○
	Fully electric steering with reversing function	○
	Fully electric steering with steering knob	○
Tyres	Load rollers, polyurethane, single	○
	Load rollers, polyurethane, tandem	●
	Drive wheel, polyurethane, single	○
	Drive wheel, Vulkollan	●
	Drive wheel, solid rubber	○
	Drive wheel, polyurethane, profiled	○
	Drive wheel, solid rubber, electrically conductive	○
Battery system	Battery compartment 24 V, 375 Ah	●
	Battery compartment 24 V, 500 Ah	○
Safety and performance	Various fork dimensions and lengths	○
	Access authorisation (key)	●
	Access authorisation (digicode)	○
	Load backrest	○
	Accident recorder	○
Additional equipment	Bluetooth data interface	●
	Cold store version down to -35 °C	○
	Accessory bar	○
	Automatic floor compensator	○
	Preparation for data terminal	○
	FleetManager via chip or card	○
GPRS data transfer	○	

● Standard   ○ Optional   — Not available

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



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