SXH, FXH N and FXH Technical Data
Low Lift Pallet Trucks

SXH 20/Li-Ion

FXH 20 N/Li-Ion

FXH 25 N/Li-Ion

FXH 20/Li-Ion

FXH 25/Li-Ion



Li-Ion INSIDE

first in intralogistics

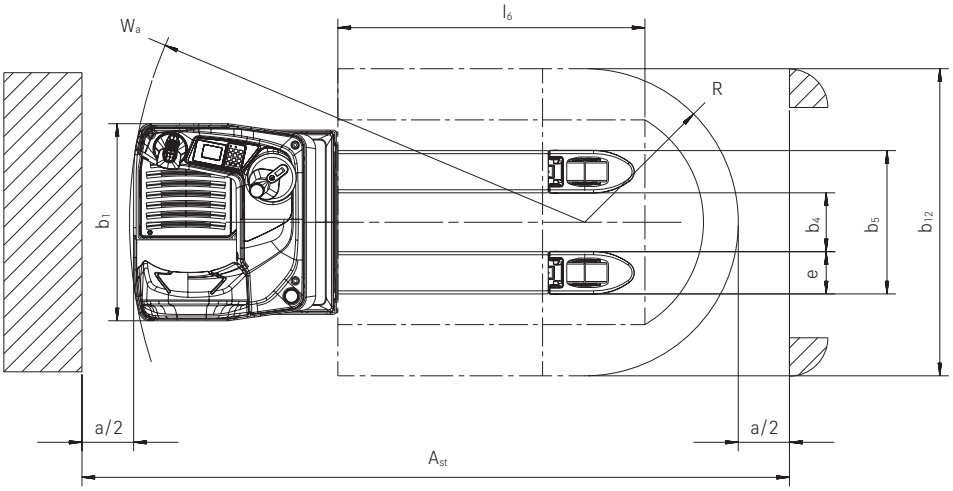
SXH, FXH N and FXH Low Lift Pallet Trucks
At home in narrow aisles

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.

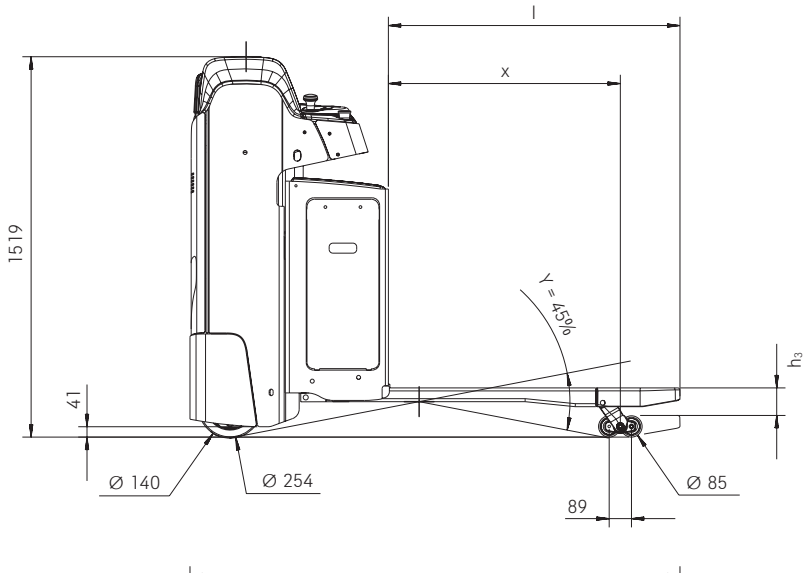


Features	1.1	Manufacturer				STILL	STILL	STILL	STILL	STILL
	1.2	Manufacturer's model designation				**SXH 20/Li-Ion**	**FXH 20 N/Li-Ion**	**FXH 25 N/Li-Ion**	**FXH 20/Li-Ion**	**FXH 25/Li-Ion**
	1.3	Drive				Electric	Electric	Electric	Electric	Electric
	1.4	Operation				Standing truck	Seated	Seated	Seated	Seated
	1.5	Nominal load		Q	kg	2000	2000	2500	2000	2500
	1.6	Load centre distance		c	mm	600	600	800	600	800
	1.8	Load distance		x	mm	965 [3]	965 [3]	1415 [3]	965 [3]	1415 [3]
	1.9	Wheel base		y	mm	1603 [3]	1622 [3]	2072 [3]	1622 [3]	2072 [3]
Weights	2.1	Service weight incl. battery			kg	848 [1]	889 [1]	968 [1]	997 [1]	1076 [1]
	2.2	Axle load, laden	drive end/load end		kg	1075/1773 [1]	1073/1816 [1]	1474/1994 [1]	1188/1828	1589/2006
	2.3	Axle load, unladen	drive end/load end		kg	672/176 [1]	669/220 [1]	748/220 [1]	751/246	830/246
Wheels/chassis	3.1	Tyres				Polyurethane	Polyurethane	Polyurethane	Polyurethane	Polyurethane
	3.2	Tyre size	drive end	Ø x l	mm	254 x 102	254 x 102	254 x 102	254 x 102	254 x 102
	3.3	Tyre size	load end	Ø x l	mm	85 x 105 (2x 85x80) [2]	85 x 105 (2x 85x80) [2]	85 x 105 (2x 85x80) [2]	85 x 105 (2x 85x80) [2]	85 x 105 (2x 85x80) [2]
	3.4	Support rollers size		Ø x l	mm	2x 140x50	2x 140x50	2x 140x50	2x 140x50	2x 140x50
	3.5	Number of wheels (x = driven)	drive end/load end			1 x/1/2 (1 x+1/4) [2]	1 x+1/2 (1 x+1/4) [2]	1 x+1/2 (1 x+1/2) [2]	1 x+1/2 (1 x+1/4) [2]	1 x+1/2 (1 x+1/4) [2]
	3.6	Tread width	drive end/load end	$b_{10}/_{11}$	mm	484/395	541/395	541/395	699/395	699/395
Dimensions	4.4	Lift		h_3	mm	125	125	125	125	125
	4.8	Seat height rel. to SIP		h_7	mm	–	1024	1024	1166	1166
	4.15	Fork height lowered		h_{13}	mm	88	88	88	88	88
	4.19	Total length		l_1	mm	1956 [1]	1970 [1]	2420 [1]	1970 [1]	2420 [1]
	4.20	Length including fork backs		l_2	mm	800 [1]	820 [1]	820 [1]	820 [1]	820 [1]
	4.21	Total width		b_1	mm	770	820	820	970	970
	4.22	Fork dimensions		s/e/l	mm	55/165/1150	55/165/1150	55/165/1600	55/165/1150	55/165/1600
	4.25	Overall fork width		b_5	mm	520/540/560/580	520/540/560/680	520/540/560/680	560	560
	4.32	Ground clearance, centre of wheel base		m_2	mm	30	30	30	30	30
	4.34	Working aisle width with 800 x 1200 pallet lengthways		A_{st}	mm	2215 [1, 3]	2248 [1, 3]	-	2487 [1, 3]	3097 [1, 3]
	4.35	Turning radius		W_a	mm	1710 (1780) [3]	1745 (1815) [3]	2190 (2260) [3]	1760 (1825) [3]	2205 (2270) [3]
Performance data	5.1	Driving speed	laden/unladen		km/h	10/12	10/12	10/12	10/12	10/12
	5.2	Lifting speed	laden/unladen		m/s	0.036/0.043	0.039/0.048	0.024/0.033	0.039/0.048	0.024/0.033
	5.3	Lowering speed	laden/unladen		m/s	0.064/0.06	0.077/0.078	0.074/0.053	0.077/0.078	0.074/0.053
	5.8	Max. gradeability kB 5	laden/unladen		%	15/20	15/20	12/20	17/20	15/20
	5.9	Acceleration speed (over 10 m)	laden/unladen		s	-	5.9/4.5	6.2/4.5	5.6/4.3	5.7/4.3
	5.10	Service brake				Electromagnetic	Electromagnetic	Electromagnetic	Electromagnetic	Electromagnetic
Electric engine	6.1	Drive motor, rating S2 = 60 min			kW	3.0	3.0	3.0	3.0	3.0
	6.2	Lifting motor, rating S2 = 60 min			kW	1.2	1.2	1.5	1.2	1.5
	6.3	Battery according to DIN 43531/35/36 A, B, C, no				3PzS	3PzS	3PzS	3PzS	3PzS
	6.4	Battery voltage/rated capacity K_5			V/Ah	24/300 Li-Ion: 23/205	24/300 Li-Ion: 23/205	24/300 Li-Ion: 23/205	24/375 Li-Ion: 23/205	24/375 Li-Ion: 23/205
	6.5	Battery weight			kg	290	290	290	290	290
	6.6	Energy consumption according to VDI cycle			kWh/h	0.40	0.50	0.57	0.6	0.6
	6.7	Handling rate according to VDI cycle			t/h	146	144	162	148	178
Misc.	8.1	Transmission control				AC control	AC control	AC control	AC control	AC control
	10.7	Noise level (at operator's ear)			dB(A)	65	68	71	68	68
		Human vibrations: Acceleration in accordance with EN 13059			m/s²	0.74	0.5	0.5	0.4	0.4

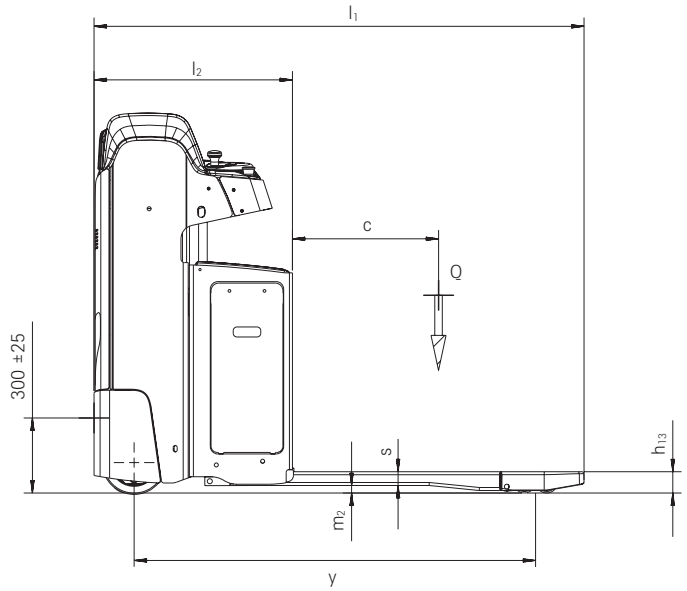
[1] With 3PzS battery
[2] With tandem rollers
[3] Initial lift lowered



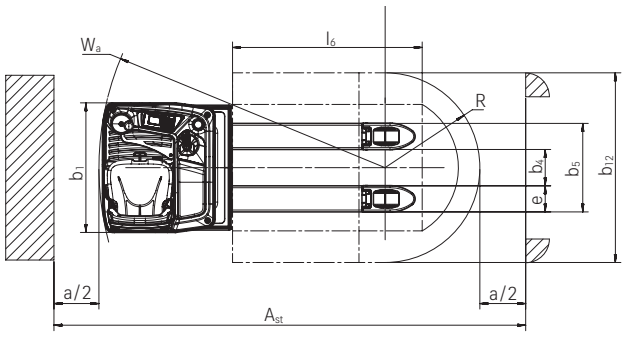
Top view SXH



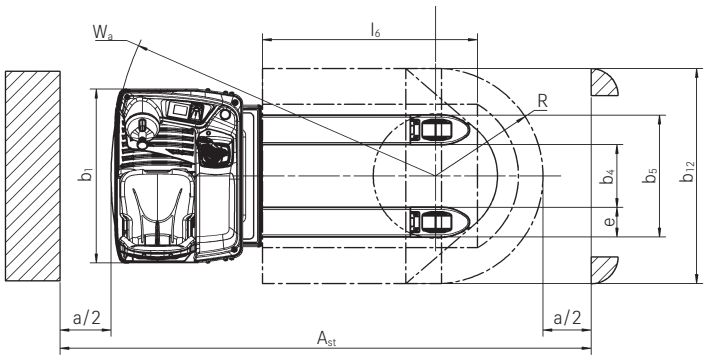
Side view SXH with initial lift raised



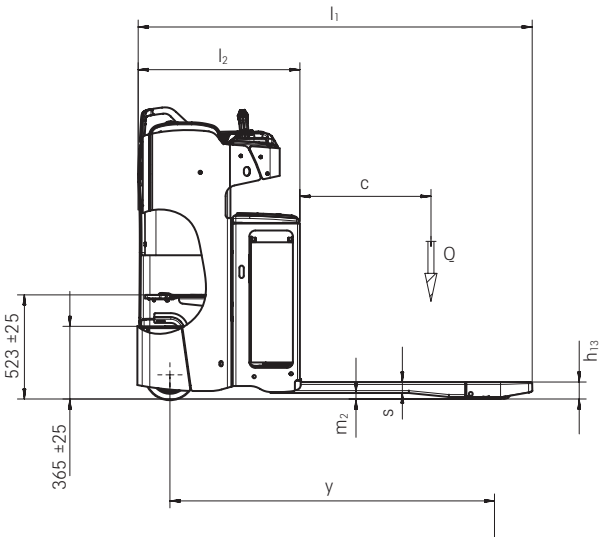
Side view SXH



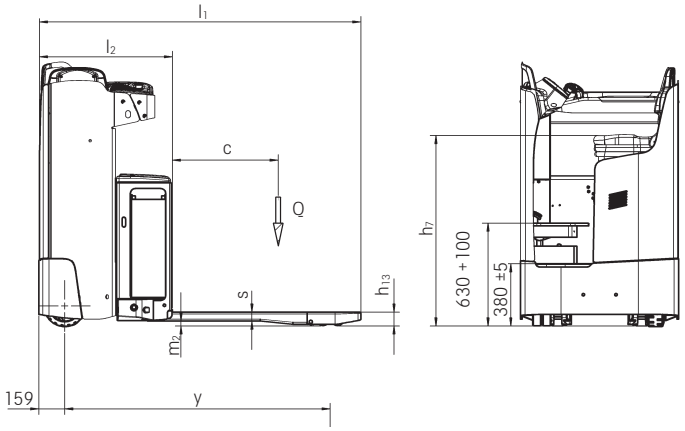
Top view FXH N



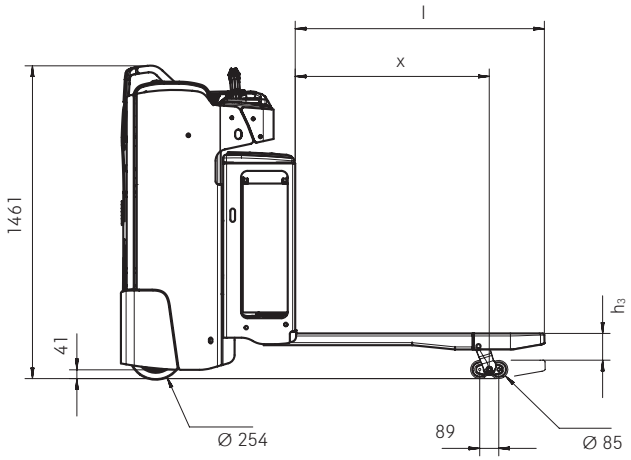
Top view FXH



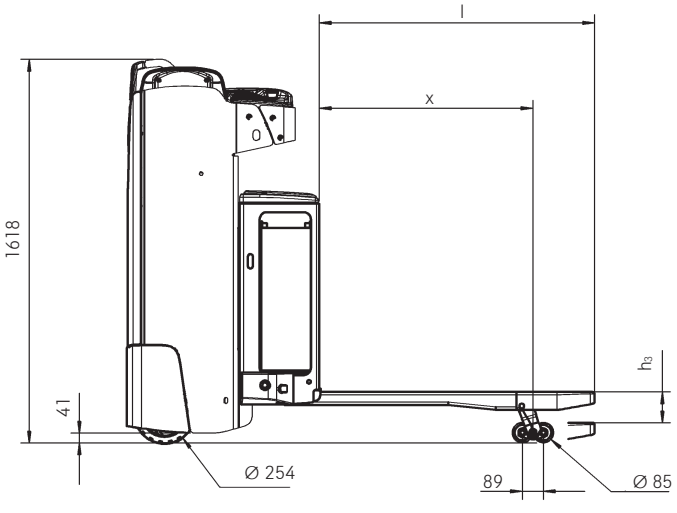
Side view FXH N



Side view FXH



Side view FXH N



Side view FXH



A comfortable backrest offers optimum stability and guarantees ergonomic operation



Suspended workplace for permanently concentrated operation



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



Standard joystick for fatigue-free operation: precise driving, lifting and lowering without having to change hands



Safe travel even with high loads: load backrest available, which also holds accessories



Cushioned driver's seat which can be adjusted to the driver's weight for maximum comfort



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



Height-adjustable foot plate for individual operator adjustments



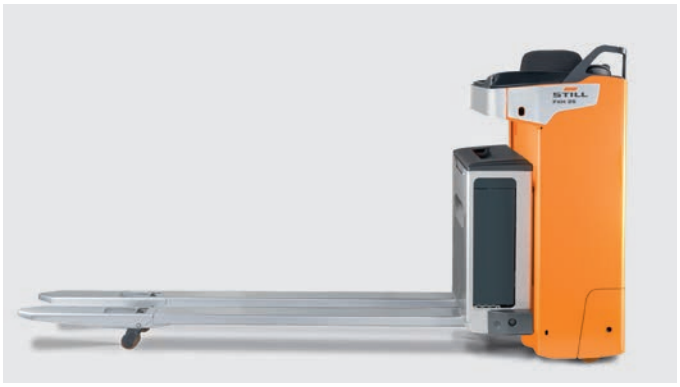
Standard lateral battery change for maximum availability and ergonomics



Optional automatic counterbalancing for uneven floors and optimised driving behaviour



Optimum view of the prongs for high handling rate



Up to 2,500 kg lifting capacity and maximum speed of 12 km/h



Maximum availability with the optional Li-Ion technology



Precision down to the base: Pedals for fast direction changes



Extra spacious driver workstation with comfort seat



Everything in view, all the time: colour display and control unit

SXH/FXH N Low Lift Pallet Trucks
At home in narrow aisles





SXH/FXH N Low Lift Pallet Trucks
At home in narrow aisles

Top performance: Strong lifting capacity (2.0 t) and high speeds (up to 12 km/h)

Maximum availability: Battery capacity of up to 500 Ah and optional Li-ion technology

Flexible operating concept: Steering unit optionally on the left- or right-hand side



SXH

The SXH 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 transports loads of up to 2,000 kg quickly and safely to the chosen location, and its powerful drive can handle any sprint at 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 platform 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.

Top performance: Strong lifting capacity (2.5 t) and high speeds (up to 12 km/h)

Maximum precision: Joystick 4Plus and clear view of the prongs

Comfortable ergonomics: Height-adjustable foot plate and cushioned driver's seat for fatigue-free operation



FXH N

Quick, compact and powerful – these virtues position the STILL FXH 20/25 N at the top of the low lift pallet trucks. Owing to a lifting capacity of up to 2,500 kg, which is enormous for its class, the compact powerhouse handles heavy duty applications, for example in industry. In combination with a maximum speed of 12 km/h, this results in an outstanding handling rate of up to 162 tonnes per hour. The maximum battery capacity of 500 Ah supplies more than enough energy for an entire shift. If you opt for the modern STILL Li-Ion technology and use short breaks for interim charging, the efficient low lift pallet truck will be ready for use around the clock. With the cleverly placed colour display, the operator can always keep an eye on important truck information, such as the current battery status and the remaining operating time. It also shows the current driving programme, which can be adjusted comfortably at the touch of a button. After all, comfort is a top priority of the FXH 20/25 N: The cushioned driver's seat and the height-adjustable foot plate guarantee an ergonomically optimised driving experience regardless of the driver's stature. This ensures fatigue-free working even on longer distances.

SXH, FXH N and FXH Low Lift Pallet Trucks
At home in narrow aisles

Optimum comfort due to the extra spacious driver workstation with comfort seat

Maximum availability with battery capacities of up to 620 Ah and Li-Ion technology

Top performance: Strong lifting capacity (2.5 t) and high speed of up to 12 km/h



FXH

There is no other low lift pallet truck more spacious than this – thanks to a width of 970 mm. The sprung comfort seat and adjustable foot plate guarantee fatigue-free operation. A maximum lifting capacity of up to 2,500 kg in combination with a speed of up to 12 km/h catapults the FXH to the top of the pallet trucks. The FXH not only reaches a handing rate of up to 177 tonnes per hour but simply glides over uneven surfaces with its optional counterbalance. Multiple shifts are handled with ease thanks to a maximum battery capacity of 620 Ah and optional Li-Ion technology. Single or dual pedals enable quick and easy transport of loads with high precision. Lifting is operated with the standard Joystick 4Plus without the need to keep changing hands. Operators can keep an eye on the most important information at all times with the colour display and control unit, which not only displays the direction of travel, battery status and time, but also informs operators of upcoming service dates. The automatic speed reduction when cornering and the standard lateral battery change guarantee maximum safety.

Extensive Equipment

Power

- Effective handling of goods: Speed of up to 12 km/h and a lifting capacity of up to 2,500 kg
- Enough power for multiple shifts: High battery capacity of up to 620 Ah
- Safe transport of goods due to the robust chassis with optional counterbalance
- Always available: The powerful Li-Ion battery 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
- Compact and agile: Works effortlessly in confined spaces and narrow aisles
- Sensitive and intuitive operation with the Joystick 4Plus in the rider seated low lift pallet truck
- Precision down to the base: Pedals for fast direction changes on the FXH 20/25
- Everything in view, all the time: Display shows battery status, date and time

Ergonomics

- Cushioned foot plate on the SXH reduces impact when driving over uneven surfaces
- Maximum operator comfort thanks to height-adjustable foot plate on the seated truck
- All functions can be easily operated with the joystick without having to change hands
- Ergonomically flexible operating concept for the SXH and FXH: Steering wheel optionally positioned on the left- or right-hand side; steering knob only on the left-hand side
- Always in use: Easy access to maintenance points and quick lateral battery change
- Spacious driver workstation with extra wide comfort seat on the FXH 20/25

Compactness

- High pallet reloading rate: Flexible application options thanks to the compact dimensions
- At home in every aisle: Truck widths of 770 mm, 820 mm or 970 mm to choose from

Safety

- High cornering safety: Curve Speed Control automatically adapts speed to the steering angle when cornering
- High stability on uneven surfaces owing to the optional automatic counterbalance
- Safe to get into thanks to the large step, handle and low entrance
- Versatile, flexible access control with FleetManager 4.x

Environmental Responsibility

- Energy savings of up to seven percent at the touch of a button with no loss of performance: Blue-Q efficiency mode
- Low operating costs: Low energy consumption and long maintenance intervals
- Low noise emissions due to extremely quiet drive and lifting motor
- Recyclable: Over 95 percent of all installed materials are recyclable

SXH, FXH N and FXH Low Lift Pallet Trucks
Equipment Variants



		SXH 20	FXH 20 N	FXH 25 N	FXH 20	FXH 25
General	Cushioned driver's seat	—	●	●	●	●
	Height-adjustable foot plate	—	●	●	●	●
	Cushioned foot plate	●	—	—	—	—
	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	●	●	●	●	●
	Various fork lengths	○	○	○	○	○
	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	●	●	●	●	●
Tyres	Load rollers, polyurethane, single	●	●	●	●	●
	Load rollers, polyurethane, tandem	○	○	○	○	○
	Load rollers, polyurethane, tandem, lubricated	○	○	○	○	○
	Drive wheel, polyurethane, single	●	●	●	●	●
	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 when forks are lowered	○	○	○	○	○
	Speed limited to 8 km/h	○	○	○	○	○
	Speed limited to 10 km/h	○	○	○	○	○
	Load backrest	○	○	○	○	○
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 ○ 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

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

FXH N/SXH EN 10/24 Subject to technical modifications.

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