

FS-X Technical Data

Rider Seated Low Lift Pallet Truck

FS-X 33



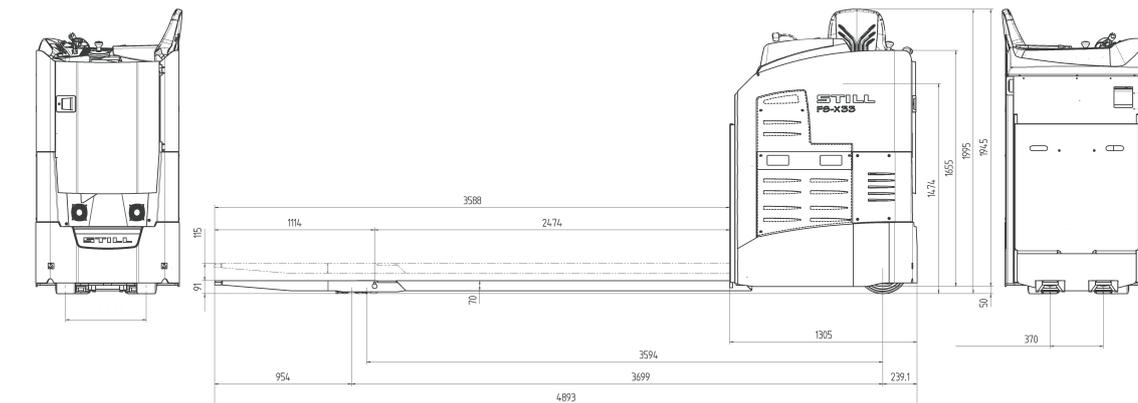
FS-X Rider Seated Low Lift Pallet Truck

Top performance in record time

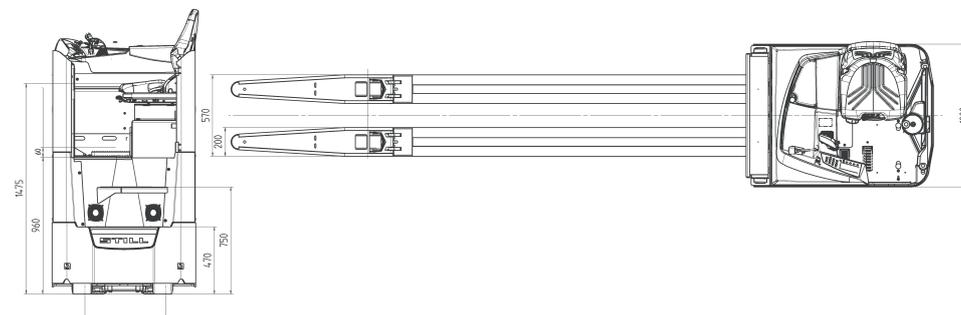
This specification sheet to VDI Guidelines 2198 gives the technical figures for the standard truck. Different tyres, other masts, additional equipment etc. could give different figures.



Characteristics	1.1	Manufacturer			STILL	
	1.2	Manufacturer's model designation			FS-X 33	
	1.3	Drive			Electric	
	1.4	Operation			Rider seated	
	1.5	Capacity/load	Q	kg	3300	
	1.6	Load centre	c	mm	1800	
	1.8	Load centre distance	lowered/raised	x	mm	2634/2528
	1.9	Wheel base	lowered/raised	y	mm	3700/3595
	Weights	2.1	Truck weight (incl. battery)		kg	3560
2.2		Axle loading laden	drive end/load end	kg	3450/3410	
2.3		Axle loading unladen	drive end/load end	kg	2790/770	
Wheels/chassis	3.1	Tyres	drive end/load end		Vulkollan	
	3.2	Tyre size	drive end	mm	∅ 360 x 130	
	3.3	Tyre size	load end	mm	∅ 90 x 95	
	3.5	Wheels, number (x = driven wheel)	drive end/load end		2 x/4	
	3.6	Track width	load end	b ₁₀	mm	370
	3.7	Track width	drive end	b ₁₁	mm	562
	Basic dimensions	4.4	Lift		h ₃	mm
4.8		Seat height		h ₇	mm	1474
4.15		Fork height, lowered		h ₁₃	mm	91
4.19		Overall length unladen		l ₁	mm	4893
4.20		Length incl. fork back		l ₂	mm	1305
4.21		Overall width		b ₁	mm	1000
4.22		Fork dimensions		s/e/l	mm	70/200/3590
4.25		Overall fork width		b ₅	mm	570
4.32		Floor clearance centre of wheel base		m ₂	mm	21
4.34		Working aisle width for pallet 800 x 1200 lengthways		A _{st}	mm	5093
Performance data	5.1	Travel speed	laden/unladen		km/h	20.0/20.0
	5.2	Lift speed	laden/unladen		m/s	2.95/2.04
	5.3	Lowering speed	laden/unladen		m/s	1.60/2.10
	5.7	Gradeability	laden/unladen		%	8.0/13.0
	5.10	Service brake				Generator
	Electric engine	6.1	Drive motor, rating S2 = 60 min			kW
6.2		Hoist motor, rating at S3 = 15%			kW	2.0
6.3		Battery to IEC 254-2; A, B, C no				No
6.4		Battery voltage, rated capacity C ₅		V/Ah		48/1000
6.5		Battery weight ±5% (depends on manufacturer)		kg		1560
6.6		Energy consumption according to VDI cycle		kWh/h		4.17
Misc.	8.1	Drive control				AC control
	8.4	Noise level, driver's ear			dB(A)	<70



Side view



Top view

FS-X Rider Seated Low Lift Pallet Truck
Detailed Photos



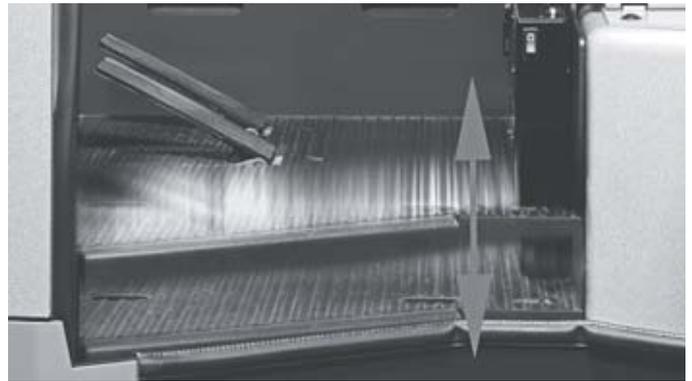
Maximum handling performance thanks to excellent visibility of the fork tips



Precise handling of all functions and no need to change hands with the joystick



Maximum comfort due to cushioned driver's seat and large legroom



Maximum operator comfort thanks to height-adjustable foot plate



Narrow chassis contour for high manoeuvrability in confined spaces



Easy entry and exit thanks to generously dimensioned stepping area

FS-X Rider Seated Low Lift Pallet Truck
Top performance in record time



FS-X Rider Seated Low Lift Pallet Truck
Top performance in record time



FS-X Rider Seated Low Lift Pallet Truck

Top performance in record time

Top performance: High load capacity (3.3 t) and driving speed (up to 20 km/h)

Maximum precision: Joystick operation and excellent view of the fork tips

Comfortable ergonomics: Cushioned driver's workplace and height-adjustable foot plate for fatigue-free operation

Highest availability: Maximum battery capacity (up to 1,000 Ah)

The FS-X 33 is the transport locomotive among the STILL low lift pallet trucks. With a high load capacity of up to 3.3 tons in combination with a maximum driving speed of up to 20 km/h, the FS-X 33 achieves the highest handling capacity. This impressive performance is made possible by the two powerful 6.5 kW three-phase AC drives.

Multi-shift operations are effortlessly mastered with the FS-X 33. A battery capacity of up to 1,000 Ah combined with the lateral battery change ensure maximum availability. The FS-X 33 covers long distances as swift as an arrow while providing high driving comfort and fatigue-free operation for drivers due to the cushioned driver's seat, adjustable foot plate and joystick operation. Assistance systems such as Curve Speed Control and the ABS braking system ensure optimum safety.



Extensive Equipment

Power

- Effective goods handling: Driving speed of up to 20 km/h and a load capacity of up to 3,300 kg
- Full power: Two maintenance-free 6.5 kW three-phase AC drive motors
- Safe transport of goods thanks to robust 4-wheel chassis
- Sufficient power for multi-shift operations: High battery capacity of up to 1,000 Ah
- The right driving program for every situation: ECO or BOOST - from maximum handling capacity to maximum efficiency

Precision

- Precise handling of all functions and no need to change hands with the joystick
- Fatigue-free operation: Precise and intuitive electrical steering unit
- Everything in view at all times: Display shows battery level, date and time
- Maximum handling performance thanks to optimum visibility of the fork tips
- Rounded fork tips for quick threading into pallets

Ergonomics

- Highest operator comfort thanks to height-adjustable foot plate
- Easy handling of all functions and no need to change hands with the joystick
- Always in action: Easy access to maintenance points and quick lateral battery change
- Optional cold storage cabin and three-sided wind protection for maximum driver comfort
- Maximum comfort due to cushioned driver's seat and large legroom

Compactness

- Narrow chassis contour for high manoeuvrability in confined spaces
- Electric steering for maximum driving agility

Safety

- Extremely safe around corners: Curve Speed Control automatically adapts speed to the steering angle when cornering
- Safe entry and exit thanks to generously dimensioned stepping area and handhold
- 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
- Recyclable: Over 95 percent of all materials used can be recycled

FS-X Rider Seated Low Lift Pallet Truck Equipment Variants



		FS-X 33
Driver's compartment	Comfort seat with hydraulic damping and weight and longitudinal adjustment	●
	Driver's seat with heater	○
	Driver's seat with leatherette seat	○
	Arm to the left of the driver's seat	○
	Adjustable height footplate	●
	Electric thermostatically regulated foot heater	○
	Joystick for lifting/lowering, direction selection and horn	●
	5 driving profiles, selected by driver	●
	Integral storage facilities, drink holder	●
	Display: Clear display of active operating states	●
	Reading lamp	○
Steering	Writing surface with clip	●
	Fully electric steering 360°	●
	Fully electric steering with reverse function	○
Drive unit	Redundant steering safety system	●
	Smooth stepless acceleration to maximum speed	●
	Maintenance-free, totally enclosed drive unit	●
	Speed reduction dependent on steering angle	●
	Individual parameter setting facilities	●
	Integral flow and temperature sensors for function monitoring	●
	Electrical hoist cut-out	●
Brake	Good Service access, simple diagnosis through central diagnostics interface	●
	Generator braking system	●
	Energy recovery when braking	●
	ABS Brake function	●
Battery	Electromagnetic disc brake as parking brake and emergency stop	●
	Battery changing from the side with forklift truck	●
	Battery compartment for 930 Ah-1000 Ah	●
Additional equipment	Side battery cover	○
	Various fork lengths	○
	Preparation for data terminal	○
	Wind shield on 3 sides, open towards the forks	○
	Cold store version	○
	Comfort cold store cab, heated	○
	PIN-Code access, keyless, with button	○
	FleetManager: access authorisation, shock detection, reports	○
Acoustic driving warning signal (Digisound)	○	

● Standard ○ Optional — Not available



STILL Materials Handling Ltd
Aston Way
Leyland Preston
PR26 7UX
Tel.: +44 (0)845 603 6827

STILL Materials Handling Ltd
Jacks Way
Hill Barton
Business Park
Clyst St. Mary
Exeter
EX5 1FG
Tel.: +44 (0)345 603 6827
info@still.co.uk

For further information please visit:

www.still.co.uk



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

