

ECU-SF, EXH-SF and EXH-S Technical Data Low Lift Pallet Trucks with Driver's Stand-on Platform

ECU-SF 20

EXH-SF 20/Li-lon

EXH-SF 25/Li-lon

EXH-S 20/Li-lon

EXH-S 25/Li-lon





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 values.



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Platform types									
Part Comment	1.2	•							
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Company Comp									
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3.4 Support rollin's Suppo	***	,							
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3.6 Tread	8 3.4								
A									
A Standing height (plotform)			b ₁₀ /b ₁₁						
Fig.	4.4		h ₃						
4.15 Fork height, lowered Fork height, lowered 1.5 mm 185 186 18	4.8	Standing height (platform)	h ₇						
4,19 Overall length including fork backs platform closed (open b, mm 1854/2180 1957/2395° 23206°	4.9		h ₁₄			1210/1440			
Early including fork backs Early includin			h ₁₃						
4.21 Total width Total w	4.19	Overall length platform closed/oper	I ₁						
A22 Fork dimensions DIN ISO 2331 Spl. mm 50/162/1150 55/165/1150 55/16									
4.25 Overall fork width A.27 Cround clearance, centre of wheel base m ₁₂ mm 33 30 30 35 35 35 35 34 Working aisle width with 1000 x 1200 pallet lengthways platform open A _{ret} mm 2622 ² 2844 ^{2.5} 2926 ^{2.5} 2926 ^{2.5} 2926 ^{2.5} 2876 ^{2.5} 2979 ^{2.5} 2979 ^{2.5} 2979 ^{2.5} 4.34 Working aisle width with 1000 x 1200 pallet lengthways platform open A _{ret} mm 2703 ² 2926 ^{2.5} 2926 ^{2.5} 2926 ^{2.5} 2876	Ψ.								
4.32 Ground clearance, centre of wheel base m2			s/e/I						
## 4.34 Working aisle width with 800 x 1200 pallet lengthways platform open A _{st} mm 2622 2844.2 2844.2 2844.2 2793.2 2793.2 2796.2 2846.2 2793.2 2796.2 2846.2 2846.2 2793.2 2796.2 2846.2	4.25		b ₅			560	560		
4.3.1 Working aisle width with 1000 x 1200 pallet crossways platform open	4.32								
4.35 Turning radius platform open W _s mm 1904 ² 2140 ^{2.5} 1700/2140 ^{2.5} 2095 ^{2.6.8} 2095 ^{2.6.8} 2095 ^{2.6.8} 5.1 Travel speed Indeen/uniaden Indeen/uniaden/uniaden Indeen/uniaden Indeen/uniaden Indeen/uniaden Indeen/uniaden Indeen/uniaden Indeen/uniaden Indeen/uniaden/uniaden/uniaden Indeen/uniaden/uniaden/uniaden Indeen/uniaden/uni	4.34								
S.1 Travel speed Iaden/unladen km/h 6/6 (7.5)3 6/6 (8/8, 10/10)4 10/12 (10/14)4 8/8 (10/12)4 10/12 (10/14)4 8/8 (10/12)4 10/12 (10/14)4 8/8 (10/12)4 10/12 (10/14)4 8/8 (10/12)4 10/12 (10/14)4 8/8 (10/12)4 10/12 (10/14)4 10/12									
Second		Turning radius platform oper							
Same	(I)								
Service brake Service brake Selectromagnetic	5.2	Lifting speed laden/unlader	1						0.028/0.036
Since Service brake Electromagnetic Elec	5.3	Lowering speed laden/unlader		m/s	0.045/0.045			0.09/0.089	0.066/0.072
6.1 Drive motor, rating \$2.60 min	5.8	Max. gradeability laden/unlader		%	0.7/10.2	12/20	12/20	13/20	11/20
Reconstruction Reco	5.10	Service brake							
Battery according to DIN 43531/35/36; A, B, C, no DIN 43535 B DIN 43535 3PzS DIN 43	6.1	Drive motor, rating S2 60 min		kW	1.2	2.3	3.0	3.0	3.0
§ 6.4 Battery voltage/nominal capacity K ₅ V/Ah 24/250 24/375 24/375 24/375 // Li-lon 24/410 24/375 // Li-lon 24/410 6.5 Battery weight ±5% (depends on make) kg 220 290 290 290 290 290 6.6 Energy consumption according to VDI cycle kWh/h 1.06 0.45 0.5 (0.56) ⁴ 0.43 0.51 § 8.1 Drive control Pulse control AC control AC control AC control	<u>.≅</u> 6.2	Lift motor, rating at S3 15%				1.2			
6.5 Battery weight ±5% (depends on make) kg 220 29	6.3	Battery according to DIN 43531/35/36; A, B, C, no			DIN 43535 B	DIN 43535 3PzS	DIN 43535 3PzS	DIN 43535 3PzS	DIN 43535 3PzS
6.6 Energy consumption according to VDI cycle	ij 6.4								
g 8.1 Drive control AC control AC control AC control AC control AC control	6.5	Battery weight ±5% (depends on make)		kg	220	290	290	290	290
	6.6	Energy consumption according to VDI cycle		kWh/h	1.06	0.45	0.5 (0.56) 4	0.43	0.51
	ري 8.1	Drive control			Pulse control	AC control	AC control	AC control	AC control
3.4 Sound level at driver's ear dB(A) <70 62 62 69 69 69	₹ 8.4	Sound level at driver's ear		dB(A)	<70	62	62	69	69

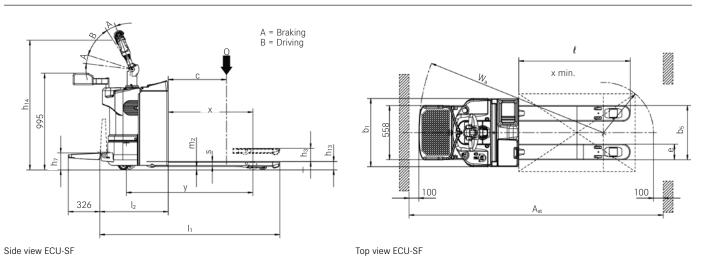
¹ With tandem load rollers

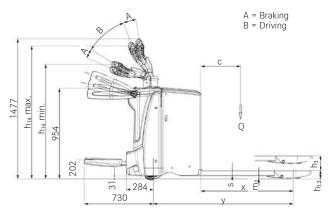
² Elevated initial lift, lowered initial lift +70 mm

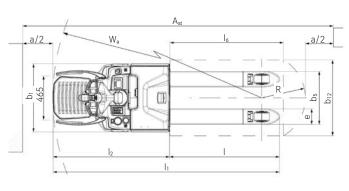
³ With optional side bars ⁴ With Power Plus

⁵ With 4PzS/400-500-Ah battery +75 mm; with 2PzS/250-Ah battery -75 mm
⁶ For compartment 70: +75 mm for 4PzS, +150 mm for 5PzS
⁷ +75 mm for backrest/side access
⁸ +55 mm for backrest/side access

ECU-SF and EXH-SF Low Lift Pallet Trucks with Driver's Stand-on Platform Technical Drawings

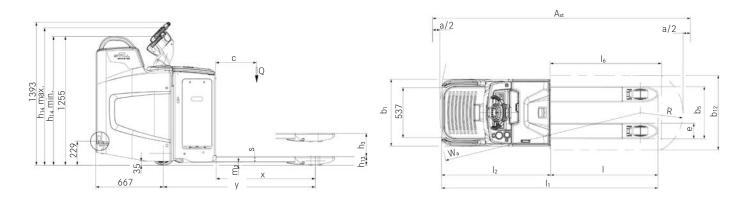






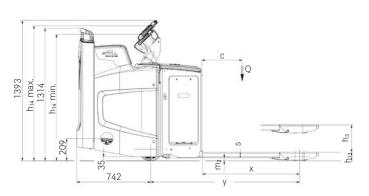
Side view EXH-SF Top view EXH-SF

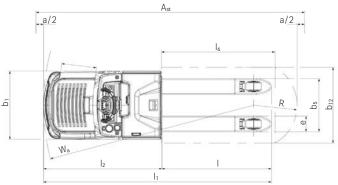




Side view rear entry EXH-S

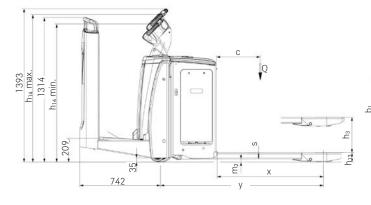
Top view rear entry EXH-S

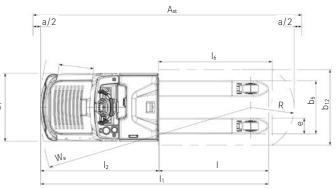




Side view side entry EXH-S

Top view side entry EXH-S





Side view backrest EXH-S

Top view backrest EXH-S

ECU-SF and EXH-SF Low Lift Pallet Trucks with Driver's Stand-on Platform Detailed Photos



Always available: sufficient energy for long operating times and the possibility to change batteries $% \left(1\right) =\left(1\right) +\left(1\right$



All-round safety: optional side guards can be easily and quickly lowered, keeping drivers safe and stable while providing optimal protection in all driving situations ¹



Ergonomic and intuitive operation: driving, lifting and steering processes can be controlled single-handedly by either left- or right-handed operators ¹



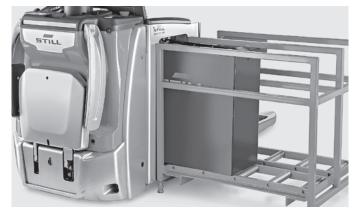
Effective material handling: up to 2,000 kg lifting capacity and a maximum speed of 7.5 $\rm km/h^{\, 1}$



Up to 2,500 kg lifting capacity and an impressive top speed of 14 km/h $^{\rm 2}$



Adjustable side arms and air-sprung stand-on platform adjustable to individual driver weight $^{\rm 2}$



The innovative battery plug lock enables fast battery replacement, without the risk of jamming $^{\rm 2}\,$



The colour display with language-independent symbols shows all of the important functions at a glance $^{\rm 2}\,$

 $^{^{\}rm 1}$ Here e.g. ECU-SF $\,$ // $\,^{\rm 2}$ Here e.g. EXH-SF

EXH-SF and EXH-S Low Lift Pallet Trucks with Driver's Stand-on Platform Detailed Photos



Optimum view of the fork tips allows a high and safe handling performance $^{\rm 2}\,$



Increased operational hours thanks to fast interim charging with optional STILL Li-ion technology $^{\rm 2}$



Powerful on ramps: slanted chassis design enables powerful driving on ramps³



A variety of access options and a stand-on platform cushioning that can be adjusted by rocker switch $(+/-)^3$



Rear access for extra safety when loading and unloading, and when driving up $\mathsf{ramps}^{\, 3}$



Side access for longer transport distances³



Backrest for frequent order picking, also optionally for all models an individually adjustable, air cushioned stand-on platform $^{\rm 3}$



Thanks to the height-adjustable STILL Easy Drive steering wheel, all functions can be operated with ergonomic controls by right- and left-handed operators without changing grip $^{\rm 3}$

 $^{^{\}rm 2}$ Here e.g. EXH-SF $\,$ // $\,^{\rm 3}$ Here e.g. EXH-S

ECU-SF and EXH-SF Low Lift Pallet Trucks with Driver's Stand-on Platform Swift and Compact

High pallet reloading rate: compact size for quick and safe operation

Perfect ergonomics: easy entry and exit thanks to the only 170 mm high stand-on platform

Fast and safe: optional side guards can be opened and closed using just one hand



ECU-SF

The powerful ECU-SF low lift pallet truck by STILL features a hinged platform and a load capacity of 2,000 kg, making it the ideal choice for loading and unloading lorries and for transporting goods horizontally. This compact warehouse helper can be manoeuvred accurately and safely in narrow spaces. Its rounded forks can be easily threaded into pallets. This low-maintenance truck gets the job done reliably, from lightweight jobs over multiple shifts in the industrial sector to handling material in retail environments.

The chassis is covered with shock-resistant plastic, providing the robust truck with outstanding protection in harsh environments. With a height of only 170 mm, the platform of the ECU-SF is very low. This enables operators to quickly and safely get on and off the stand-on platform. The precise and intuitive electrical steering unit minimises operator fatigue and enables goods to be turned around fast. The optional side bars can be opened and closed using only one hand, keeping the driver stable and safe in any driving situation.

Superb handling performance: a top speed of 14 km/h and a maximum lifting capacity of 2,500 kg

Back-friendly: air-cushioned stand-on platform adjustable to individual weight with adjustable side arms

Powerful driving on ramps: hydraulically sprung support wheels for best traction



EXH-SF

Speed, ergonomics, compact design – the EXH-SF pallet truck with a hinged stand-on platform is the perfect combination of all these qualities. With a maximum lifting capacity of 2,500 kg and an impressive top speed of 14 km/h, the EXH-SF demonstrates superior handling power. The air-cushioned stand-on platform with integrated compressor keeps work back-friendly at all times. Due to its sprung support wheels the smart warehouse organiser crosses ramps comfortably, safely and with optimum traction. Furthermore,

the EXH-SF helps to save valuable warehouse space: with a total width of just 720 mm, the pallet truck is narrower than a Europallet and can be manoeuvred precisely through the narrowest of aisles. Do you need a truck that is operational 24 hours a day? With the STILL Li-ion technology, even the shortest breaks are sufficient to charge the EXH-SF. As different battery sizes are available depending on your individual needs, any customer requirement as well as multi-shift operations can be realised.

EXH-S Low Lift Pallet Truck with Driver's Stand-on Platform Speeds things up. Safely.

Ergonomic back protection thanks to individually adjustable aircushioned driver's stand-on platform

High and flexible handling capacity: a maximum speed of 14 km/h and a lifting capacity of 2,500 kg

Safe handling in confined spaces thanks to a chassis that is only 720 mm narrow

Intuitive operating concept: height-adjustable STILL Easy Drive steering wheel provides easy-access control without having to change to grip



EXH-S

Efficient performance, safe and convenient operation, reliable flexibility – the EXH-S pallet truck combines all of these features to perfection. With a maximum lifting capacity of 2,500 kg, a swift top speed of 14 km/h and the ability to move two pallets at once thanks to the extra-long forks, the EXH-S features unrivalled performance. Thanks to the intuitive operating concept, you can rely on the height-adjustable STILL Easy Drive steering wheel with integrated display and rocker switches at all times. This feature ensures that left- and right-handed operators always have full control of all functions, without having

to change grip. The optional, individually adjustable, air-cushioned stand-on platform also provides optimal protection for the operator's back, even in the toughest applications. Speaking of applications, the EXH-S equips you for any storage situation and ensures you benefit from flexibility when it comes to configuration variants. All truck variants have an ultra-robust chassis. This provides extra protection for demanding ramp applications, for example. Those who choose the lithium-ion variant as an option can interim charge the battery at any time and benefit from maximum flexibility.





Simply easy

- Smooth steering and intuitive operation of all functions for left- and right-handed operators with STILL Easy Drive steering wheel
- Easy access and optimal protection for the operator's back and joints: low access point and adjustable, air-cushioned stand-on platform with integrated compressor available as an option
- Optional built-in charger for decentralised charging at every power socket
- Optimal utilisation of storage space: compact dimensions and high manoeuvrability facilitate narrow working aisles



Simply powerful

- Fast goods handling: up to 2,500 kg lifting capacity and an optional maximum speed of 14 km/h for the EXH-S 25
- Built for continuous operation: reliable and low-maintenance drive
- Swift, safe movement on ramps: high-powered drive and lift motor and 5-wheel chassis with sprung support wheels
- Instant charging: lithium-ion model achieves 50 percent charge level in only 30 minutes and is fully charged in only 90 minutes
- Withstands even the toughest applications: robust, durable chassis made from solid steel



Simply safe

- Simply work with precision thanks to unobstructed field of vision: free view mast and centrally positioned tiller
- Accidental roll-back impossible: automatic stop function even on ramps
- Fast and safe cornering: Curve Speed Control automatically adapts speed to the steering angle when cornering
- Only moves off once the operator is standing safely: optional foot sensor determines whether the feet are within the truck's contour
- Safe load handling in confined spaces thanks to compact dimensions



Simply flexible

- Suitable driving programmes for any application, from maximum handling power to optimal efficiency: ECO, BOOST or Blue-Q
- Ready for use at all times: battery capacities up to 500 Ah and optional STILL lithium-ion battery for round-the-clock availability
- Decentralised and flexible charging at any power socket with the optional built-in charger
- Flexibly configurable driver's cab for various main applications, from frequent ramp driving through to long transport distances: rear access, side access or backrest



Simply connected

- Versatile, flexible access control with FleetManager 4.x
- Fast service analysis and parametrisation of settings thanks to CAN bus interface
- Easy integration into material flow management system thanks to MMS provision



ECU-SF, EXH-SF and EXH-S Low Lift Pallet Trucks with Driver's Stand-on Platform Equipment Variants



		ECU-SF 20	EXH-SF 20	EXH-SF 25	EXH-S 20	EXH-S 25
	Integrated storage options	•	•	•	•	•
	Control element assembly suitable for both left and right-handed operators	•	•	•	•	•
	LED-battery status display and operating hours meter	•	0	0	0	0
	Colour display and control unit for selecting the driving programme, including Blue-Q	_	•	•	_	_
	Cold storage version	_	0	0	0	0
	Powerful three phase drive motor for very low maintenance costs	•	•	•	•	•
General	Side protection bars	0	0	•	_	_
	Side protection panel	_	_	_	•	•
	Accessories bracket on the drive side	_	0	0	0	0
	Hinged platform	•	•	•	_	_
	Mechanically sprung stand-on platform	•	•	_	•	_
	Air-sprung stand-on platform	_	0	•	0	•
	Air-sprung stand-on platform with built-in compressor for suspension adjustment	_	0	0	0	0
	Initial lift	•	•	•	•	•
	Adjustable DIN-A4 writing pad	_	0	0	0	0
	Preparation Material Management System (MMS) and data transfer	_	0	0	0	0
	Drive wheel tyres, polyurethane	•	•	•	•	•
	Drive wheel tyres, polyurethane, profiled	_	0	0	0	0
Tyres	Drive wheel tyres, solid rubber	0	0	0	0	0
2	Drive wheel tyres, solid rubber, profiled	_	0	0	0	0
	Load roller tyres, polyurethane, single	•	•	•	•	•
	Load roller tyres, polyurethane, tandem	0	0	0	0	0
	Access authorisation (key)	•	•	•	•	•
	Access authorisation (digicode)	_	0	0	0	0
	FleetManager: access authorisation, shock detection, reports	_	0	0	0	0
Safety	Curve Speed Control: speed reduction when driving around corners	_	•	•	•	•
Saf	STILL Combi tiller: variable tiller length for an adequate distance between driver and equipment	_	0	0	_	_
	Headlights	_	0	0	0	0
	STILL Safety Light	_	0	0	0	0
	Load backrest	_	0	0	0	0
	Sheet steel battery cover	_	•	•	•	•
	Battery compartment for battery up to 250 Ah, for changing batteries with a crane	•	0	0	_	_
	Battery compartment for 300-375 Ah battery, for changing batteries with a crane	0	•	•	•	•
	Battery compartment for 400-500 Ah battery, for changing batteries with a crane	_	0	0	0	0
	Battery compartment for battery up to 250 Ah, for changing batteries with a roller track and changing frame	_	0	0	_	_
Battery	Battery compartment for 300-375 Ah battery, for changing batteries with a roller track and changing frame	_	0	0	0	0
Ba	Battery compartment for 400-500 Ah battery, for changing batteries with a roller track and changing frame	_	0	0	0	0
	Battery compartment for battery up to 620 Ah, for changing batteries using a roller track and changing frame	_	_	_	0	0
	205 Ah STILL Li-Ion battery	_	0	0	0	0
	410 Ah STILL Li-Ion battery	_	0	0	0	0
	Built-in charger for Li-ion batteries		0	0	0	0

● Standard ○ Option — Not available



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

