

ECH Technical Data Low Lift Pallet Truck

ECH 12



ECH Low Lift Pallet Truck

Ready to go

This specification sheet to VDI Guidelines 2198 and 3597 only provides technical values for the standard truck.
Different tyres, other masts, additional equipment, etc. may produce different figures.



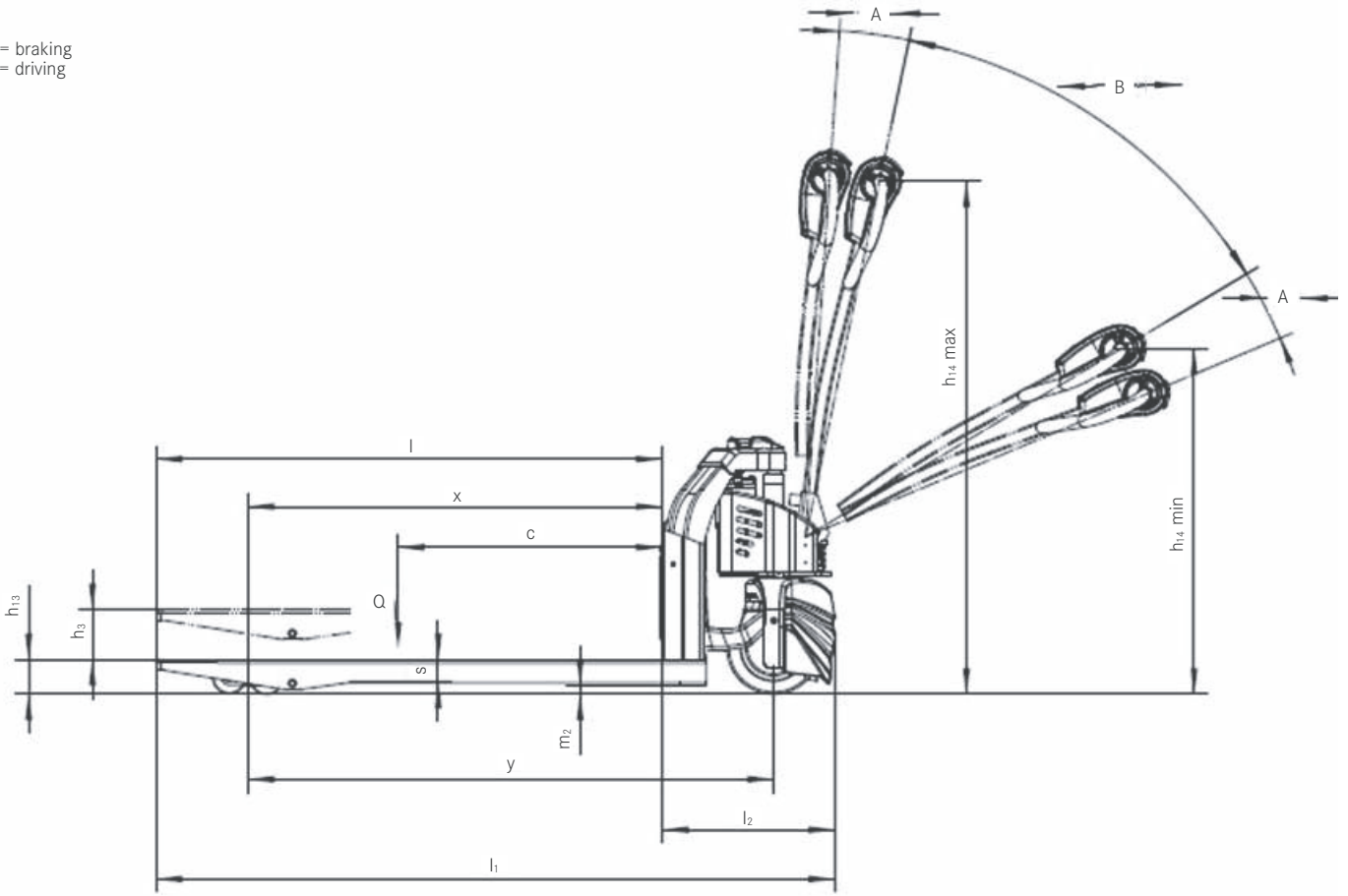
Features	1.1	Manufacturer			STILL	
	1.2	Manufacturer's model designation			ECH 12	
	1.3	Drive			Electric	
	1.4	Operation			Pedestrian truck	
	1.5	Capacity/load	Q	kg	1200	
	1.6	Load centre distance	c	mm	600	
	1.8	Load distance	x	mm	950 (880) ¹	
	1.9	Wheel base	y	mm	1190 (1120) ¹	
	Weights	2.1	Service weight incl. battery		kg	130
2.2		Axle load, laden	drive end/load end	kg	420/910	
2.3		Axle load, unladen	drive end/load end	kg	110/20	
Wheels/ chassis	3.1	Tyres			Polyurethane	
	3.2	Tyre size	drive end	mm	∅ 210×70	
	3.3	Tyre size	load end	mm	∅ 80×60	
	3.5	Number of wheels (x = driven)	drive end/load end		1x/2 (1x/4) ²	
Basic dimensions	4.4	Lift	h ₃	mm	110	
	4.9	Tiller handle height in driving position	min./max.	h ₁₄	mm	800/1190
	4.15	Fork height, lowered		h ₁₃	mm	80
	4.19	Total length	l ₁	mm	1540	
	4.20	Length including fork backs	l ₂	mm	390	
	4.21	Overall width	b ₁	mm	560 (685) ¹	
	4.22	Prong dimensions	DIN ISO 2331	s/e/l	mm	53/150/1150
	4.25	Overall fork width	b ₅	mm	560 (685) ¹	
	4.32.1	Ground clearance, centre of wheel base	m ₂	mm	27	
	4.34.2	Working aisle width with pallet 800 x 1200 lengthways	A _{st}	mm	2062	
Performance data	5.1	Driving speed	laden/unladen	km/h	4.0/4.5	
	5.2	Lifting speed	laden/unladen	m/s	0.02/0.025	
	5.3	Lowering speed	laden/unladen	m/s	0.06/0.03	
	5.8	Max. gradeability kB 5	laden/unladen	%	4/10	
	5.10	Service brake			Electromagnetic	
Electric engine	6.1	Drive motor, rating S2 = 60 min		kW	0.65	
	6.2	Lift motor, rating at S3 = 15%		kW	0.5	
	6.3	Battery according to DIN 43531/35/36 A, B, C, no			Li-Ion	
	6.4	Battery voltage/rated capacity K ₅		V/Ah	24/20-26	
	6.5	Battery weight		kg	3.7	
	6.6	Energy consumption according to VDI cycle		kWh/h	0.25	
Misc.	8.1	Transmission control			DC control	
	8.4	Noise level (at operator's ear)		dB(A)	<74	

¹ Overall fork width: 685 mm

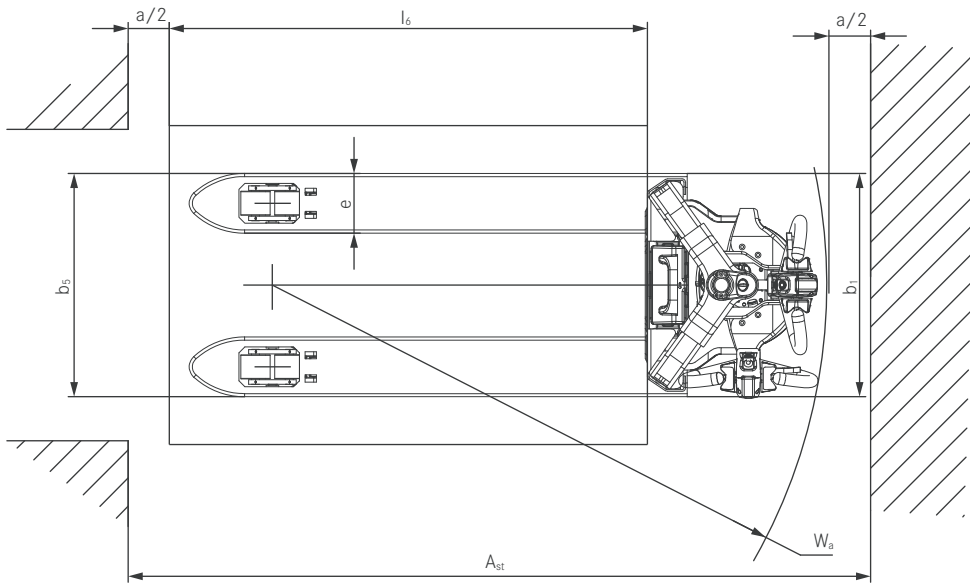
² With tandem rollers

ECH Low Lift Pallet Truck
 Technical Drawings

A = braking
 B = driving



Side view



Top view

ECH Low Lift Pallet Truck
Detailed Photos



Working in confined spaces is possible thanks to the compactness of the hand pallet truck



Robust frame design and low chassis frame for maximum operator safety



Ergonomic and intuitive operation of the tiller for fatigue-free operation



Ultimate availability thanks to a Li-Ion battery with the option of fast interim charging

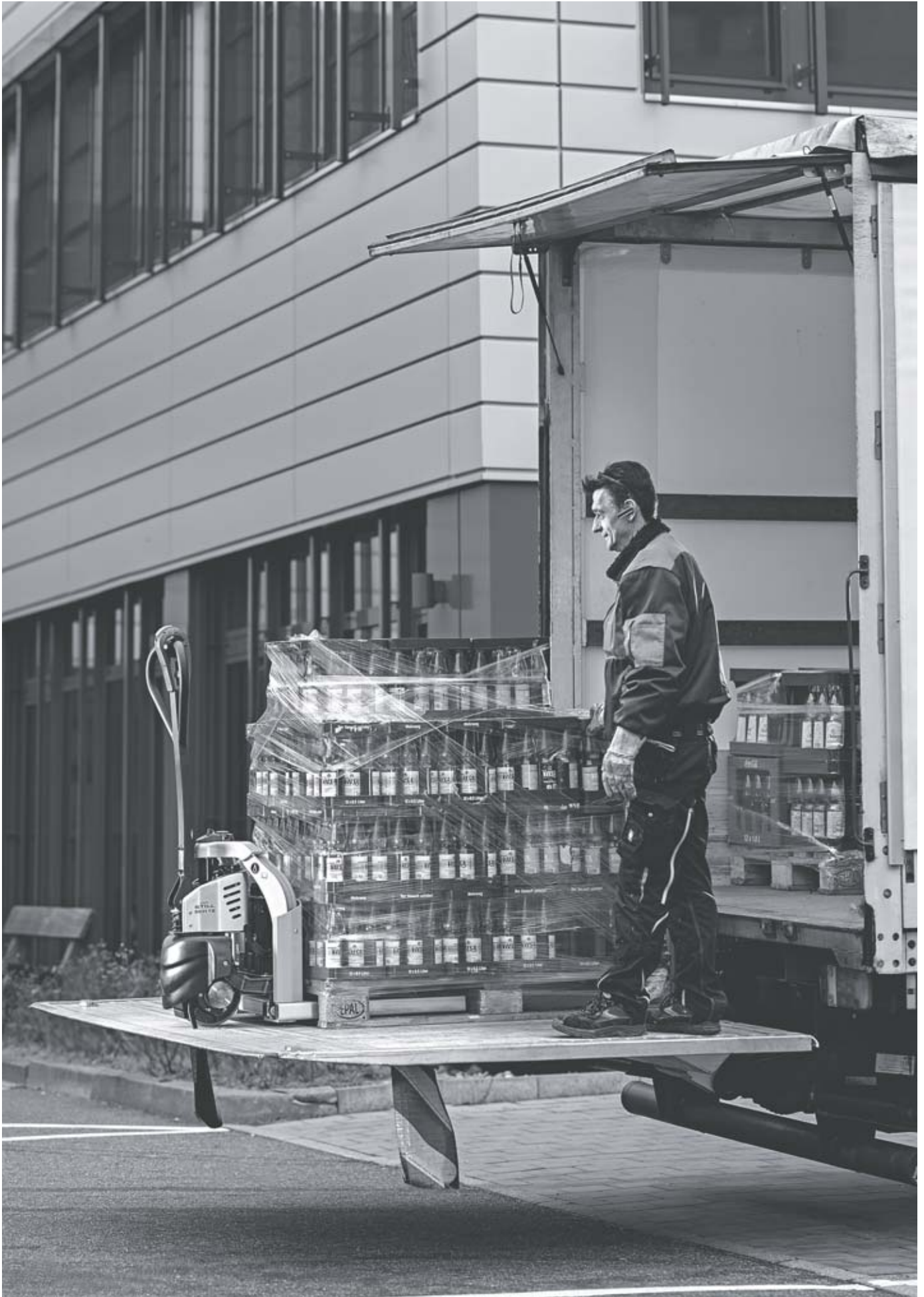


High level of safety thanks to unique keyless access, which prevents access by third parties



Everything in view at all times: The multi-function display provides information about operating hours, battery status and service information

ECH Low Lift Pallet Truck
Ready to go



ECH Low Lift Pallet Truck Ready to go

Unrivalled compactness: Small size allows for operation even in the most confined spaces

Li-Ion battery guarantees ultimate availability and flexibility

Innovative powerhouse: Effective goods handling thanks to a lifting capacity of up to 1,200 kg



STILL is setting new benchmarks in pallet truck productivity and efficiency with the ECH 12: No need for a hand pallet truck anymore – with a lifting capacity of up to 1,200 kg, heavy loads can be transported fatigue-free with the ECH 12. Electric lifting and driving noticeably relieves stress on the operator, just as the ergonomic design of the tiller head enables a natural hand position during operation. The compact low lift pallet truck is powered by innovative Li-Ion technology, which is particularly maintenance free and reliable. The Li-Ion battery is very easy to change and can be easily inserted into the forklift truck for ultimate availability. The ECH 12 is unrivalled in terms of compactness

and manoeuvrability and with a turning radius of just 1390 mm it is right at home in narrow aisles and tight storage areas. Its compactness is also an advantage in truck transport, as is its low service weight of only 130 kg including battery. The multi-function display integrated into the tiller keeps the operator informed at all times about the current battery charge levels, operating hours and provides operator information. The ECH 12 can thus master a wide variety of logistics tasks and proves itself to be a real all-rounder in the field of low lift pallet trucks.

Extensive Equipment

Power

- Effective goods handling: Up to 1,200 kg lifting capacity
- Powerful, reliable and low-maintenance drive motor with 0.65 kW power
- Sufficient power: Up to three hours of working time with a Li-Ion battery
- Extreme availability: The powerful Li-Ion battery allows for quick and easy interim charging

Precision

- Fatigue-free operation thanks to precise and intuitive steering unit
- Rounded forks are easier to thread into pallets
- Complete control: Smooth, accurately controlled starting and acceleration behaviour
- Precise operation even in the most confined spaces thanks to the compact shape
- Everything in view at all times: Multi-function display provides service information and information about operating hours and battery charge levels

Ergonomics

- Ergonomic and intuitive operation: Driving, lifting and steering processes can be controlled simultaneously
- Electric driving and lifting for ergonomic operation
- Li-Ion battery as standard for quick and easy battery changes: The Li-Ion battery weighs only 3.7 kg

Compactness

- High pallet turnover: The compact size allows for quick and safe operation
- Working in confined spaces: Flowing lines and compact dimensions enable work to be carried out in HGVs
- As compact as a hand pallet truck, small turning radius of only 1,390 mm

Safety

- Maximum driver protection: Sensitive impact plate in the optimal position
- Sealed Li-Ion battery does not release any battery gases
- Optimum view of the prongs for safe transport of goods and fast threading into pallets
- Unique keyless access prevents access by third parties

Environmental Responsibility

- Low operating costs: Low energy consumption and long maintenance intervals
- Maximum energy efficiency thanks to Li-Ion battery
- Very few noise emissions due to extremely quiet drive and lifting motor

ECH Low Lift Pallet Truck Equipment Variants



		ECH 12
General	Easy-grip tiller for ergonomic operation	●
	Multi-function display	●
	Sensitive steering for precise manoeuvring	●
	Electric lifting and manual lowering	●
	High performance 0.65 kW drive motor	●
	Stable and robust frame design	●
	Various fork lengths	○
Tyres	Drive wheel tyres, polyurethane	●
	Drive wheel tyres, polyurethane, profiled	○
	Load roller tyres, polyurethane, single	●
	Load roller tyres, polyurethane, tandem	○
Safety	Easy-to-reach emergency stop button	●
	Keyless access authorisation	●
	Fast battery changing for Li-Ion battery	●
Battery	Li-Ion battery with 20 Ah	●
	Li-Ion battery with 26 Ah	○
	24 V/10 A charger	●

● Standard ○ Optional — Not available



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

