

CiTi One, ECH 12 and ECU 15 C Technical Data

Low Lift Pallet Trucks

CiTi One

ECH 12/Li-Ion

ECU 15 C





					STILL		STILL		STILL	
					CiTi One	ECH 12	ECU 15 C			
Distinguishing features	1.1	Manufacturer								
	1.2	Manufacturer's model designation								
	1.3	Drive				Electric	Electric	Electric	Electric	
	1.4	Operation				Pedestrian	Pedestrian	Pedestrian	Pedestrian	
	1.5	Load capacity/load	Q	kg		500	1200	1500		
	1.6	Load centre	c	mm		600	600	600		
	1.8	Load distance	forks lifted/lowered	x	mm	972/906	772/706	950 (880) ¹	946/872 ³	
	1.9	Wheel base	y	mm		1185	985	1190 (1120) ¹	1293	
	2.1	Service weight (incl. battery)		kg		5/9/15 Ah: 98/99/102		130	200	
Weights	2.2	Axle load, laden		kg	224/374	drive end/load end	420/910	510/1180		
	2.3	Axle load, unladen		kg	71/27	drive end/load end	110/20	160/40		
Tyres/chassis	3.1	Tyres				Solid rubber	Polyurethane	Polyurethane		
	3.2	Tyre size	drive end	mm		∅ 310 x 85	∅ 210 x 70	∅ 200 x 70 (∅ 230 x 70) ⁴		
	3.3	Tyre size	load end	mm		Tandem ∅ 80 x 37	∅ 80 x 60	∅ 80 x 93 (∅ 80 x 70) ²		
	3.4	Support castor size		mm		-	-	∅ 80 x 30		
	3.5	Number of wheels (x = driven)								
	3.6	Track width	drive end/load end							
Dimensions	4.4	Lift		b ₁₀ /b ₁₁	mm	-/410	-	410/380		
	4.9	Tiller handle height in driving position	min./max.	h ₃	mm	125	110	115		
	4.15	Height of tiller in drive position		h ₁₄	mm	650/1170	720/1190	800/1170		
	4.19	Overall length		h ₁₃	mm	85	80	85		
	4.20	Length including fork backs		l ₁	mm	1560	1540	1660		
	4.21	Total width		l ₂	mm	410	390	510		
	4.22	Fork dimensions	DIN ISO 2331	b ₁	mm	550	560 (685) ¹	574		
	4.25	Overall fork width	min./max.	s/e/l	mm	55/140/1150	55/140/950	53/150/1150	48/160/1150	
	4.32	Ground clearance, centre of wheel base		b ₅	mm	550	560 (685) ¹	540		
	4.34	Working aisle width with 800 x 1200 pallet lengthways (b ₁₂ x l ₆)		m ₂	mm	30	27	37		
	4.35	Turning radius		A _{st}	mm	1815	2062	2214/2184 ³		
Performance	5.1	Travel speed	laden/unladen	W _s	mm	1387/1321	1187/1121	1390	1540/1466 ³	
	5.1.1	Permitted speed at thresholds and crossings		km/h		4.5/6.0	4.0/4.5	4.2/4.6		
	5.2	Lifting speed	laden/unladen		km/h	<2	-	-		
	5.3	Lowering speed	laden/unladen		m/s	0.037/0.054	0.02/0.025	0.03/0.053		
	5.8	Max. gradeability kB 5	laden/unladen		m/s	0.049/0.058	0.06/0.03	0.049/0.036		
	5.9	Acceleration speed (over 10 m)	laden/unladen		%	8/8	4/10	4/10		
	5.10	Service brake	laden/unladen		s	7/6	-	10.7/9.5		
Electric engine	6.1	Drive motor, rating S2 = 60 min				Electromagnetic	Electromagnetic	Electromagnetic		
	6.2	Lift motor, rating at S3								
	6.3	Battery according to DIN 43531/35/36; A, B, C, no								
	6.4	Battery voltage/rated capacity K _s								
	6.5	Battery weight ±5% (depends on make)	5/9/15 Ah							
	6.6	Energy consumption according to VDI cycle								
Misc.	8.1	Drive control								
	8.4	Sound pressure level at driver's ear								

¹ Overall fork width: 685 mm

² With tandem rollers

³ Initial lift raised

⁴ Drive wheel tyres: solid rubber

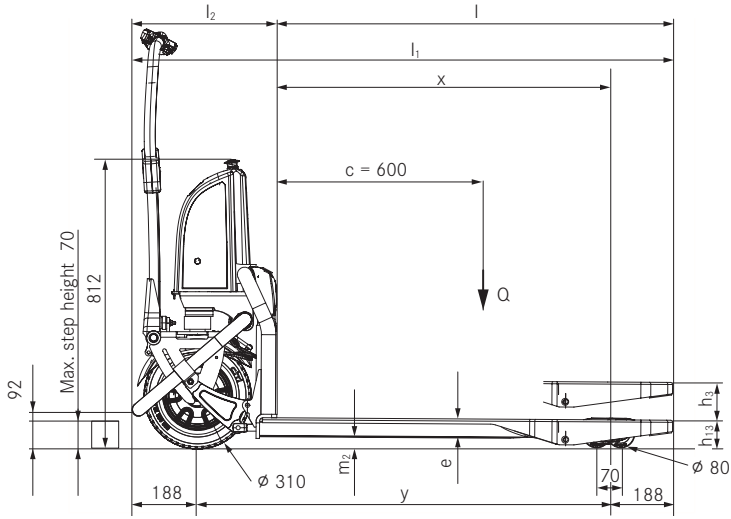
CiTi One Battery power and charging times

Batteries					Maximum charging time	
Capacity	Voltage	Technology	Weight	Operating time	Standard charger	Fast charger
5 Ah	36 V	NiCd	6.4 kg	Up to 45 min	5 h	1 h 40 min
9 Ah	36 V	NiMH	7 kg	Up to 75 min	9 h	3 h
15 Ah	36 V	NiMH	10.5 kg	Up to 120 min	15 h	5 h

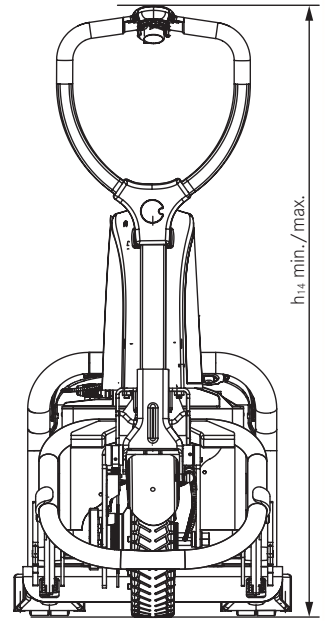
CiTi One Maximum possible step height

Load weight	Step height	Travel speed in km/h (recommended)
150 kg	70 mm	>2 km/h
300 kg	50 mm	>2 km/h
500 kg	45 mm	>2 km/h

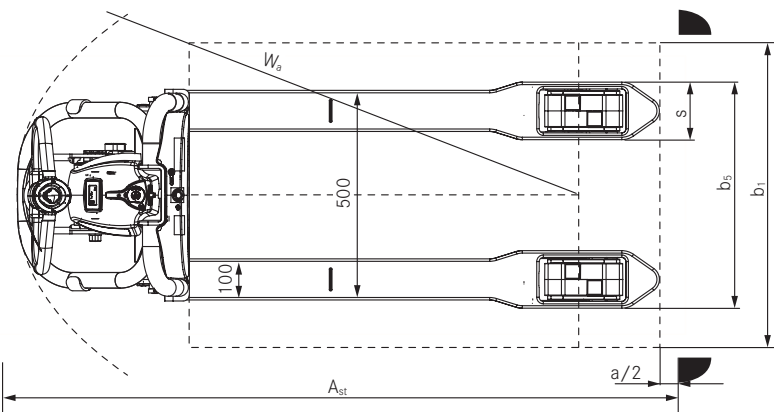
CiTi One Low Lift Pallet Truck
 Technical Drawings



CiTi One side view

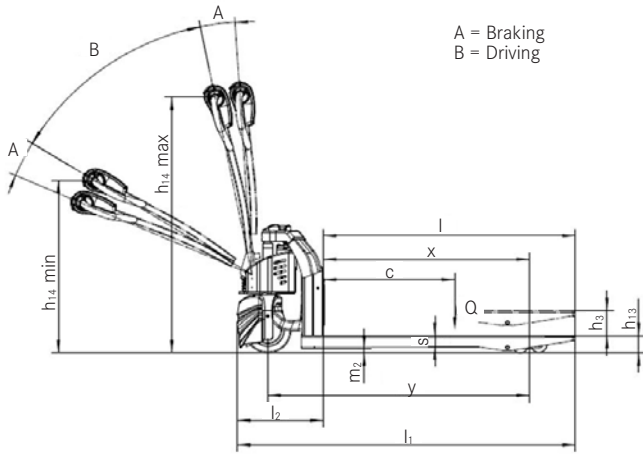


CiTi One rear view

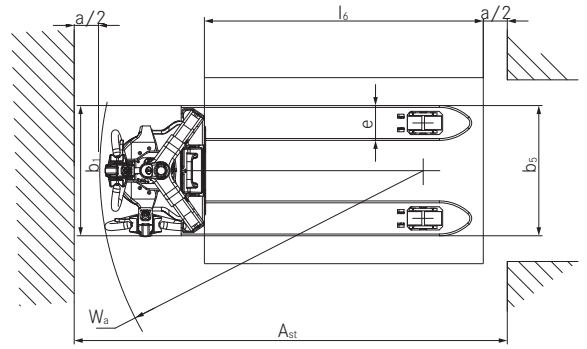


CiTi One top view

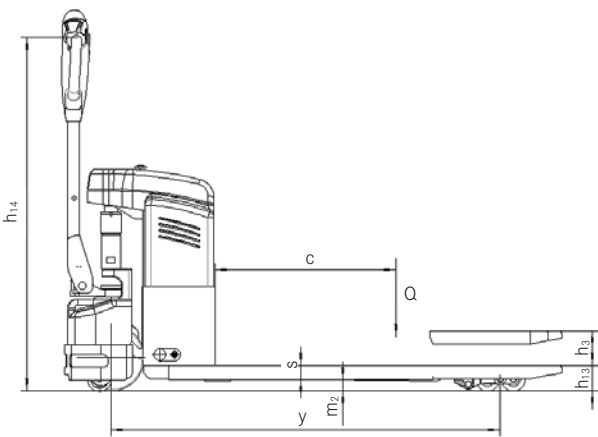
ECH 12 and ECU 15 C Low Lift Pallet Trucks
 Technical Drawings



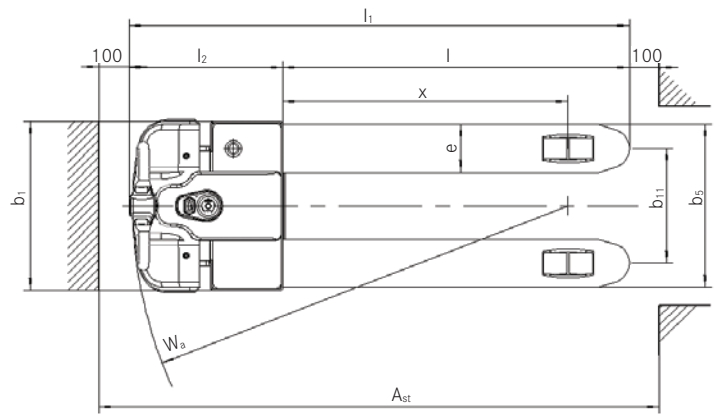
ECH 12 side view



ECH 12 top view



ECU 15 C side view



ECU 15 C top view

CiTl One and ECH 12 Low Lift Pallet Trucks
Detailed Photos



Can be used on any flooring thanks to profiled solid rubber drive wheel ¹



Kerbs and thresholds up to 70 mm are easy to negotiate thanks to the climbing runners ¹



Both operator and environment benefit from extremely quiet operation even on uneven floors ¹



Mobility is ensured in any situation thanks to the emergency running feature ¹



Compact design of a hand pallet truck for working in confined spaces ²



Robust frame design and low chassis frame for maximum operator safety ²

¹ Example shown here is the CiTi One // ² Example shown here is the ECH 12

ECH 12 and ECU 15 C Low Lift Pallet Trucks Detailed Photos



Ultimate availability thanks to a Li-Ion battery with the option of fast interim charging²



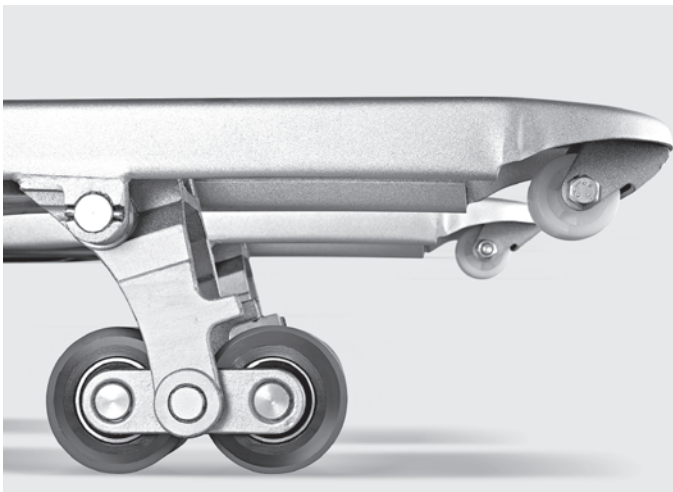
Everything in view at all times: the multi-function display provides information about operating hours, battery status and service information²



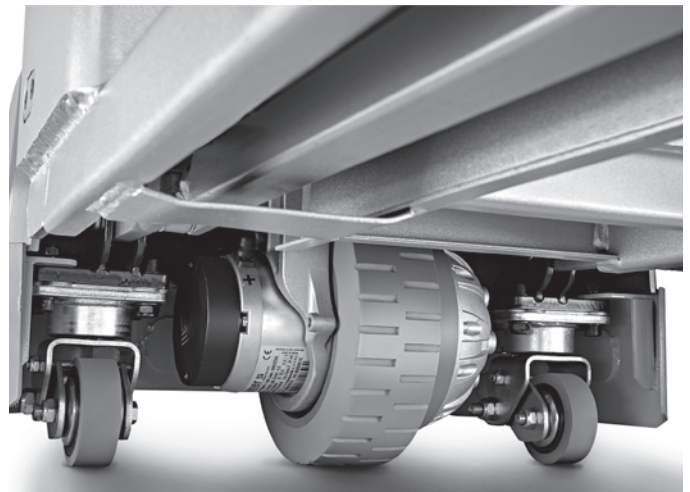
Best performance and view of the forks due to the structure's low height³



Safe on the road: the low chassis ensures maximum operating safety³



Easily pick up pallets crosswise with the standard entry rollers³



Optimum traction and castor wheels for perfect stability³

² Example shown here is the ECH 12 // ³ Example shown here is the ECU 15 C

CiTi One Low Lift Pallet Truck

Innovative for urban goods supply

Kerbs and thresholds up to 70 mm are easy to negotiate thanks to the climbing runners

Can be used on any flooring thanks to profiled solid rubber drive wheel

Both operator and environment benefit from extremely quiet operation



CiTi One

The STILL CiTi One is revolutionising urban goods supply. These electrically powered low lift pallet trucks are ultra-silent and effortlessly move loads weighing up to 500 kg – with a service weight of only 95 kg. The large solid rubber wheel runs with reliability, precision and good tracking on roads, pavements or cobblestones. The CiTi One achieves excellent handling performance, not only tackling uneven floor surfaces with ease, but also traversing steps, kerbs, thresholds and tracks with heights of up to 70 mm. The parking brake ensures

stability on ramps and gradients. As the control lever can be operated with one hand, you always have a firm grip on the compact device. One glance at the multifunctional display provides you with information on the operating hours, the battery charging status and on the weight of the current load if required. All this makes the STILL CiTi One the ideal partner on the last leg of urban goods supply: for market stallholders and tradesmen or in hospitals, administrative buildings and leisure parks.



ECH 12 and ECU 15 C Low Lift Pallet Trucks

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



ECH 12

STILL is setting new set standards 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 1,390 mm it is right at home in narrow aisles and tight storage areas. Its compactness is also an advantage in lorry 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.

Impressive goods handling: 1,500 kg capacity and a particularly low service weight make it possible to take on any transportation task anywhere

Outstanding flexibility: compact size allows for operation even in the most confined spaces

Easy handling: move goods electrically without strain, on-board charger included



ECU 15 C

Be it in industrial applications, retail or logistics – with the ECU 15 C, STILL offers more than only one good reason to dismiss hand pallet trucks into retirement. The low lift power pallet truck scores with a range of quality aspects: driving, lifting and lowering – all this is done electrically and without any physical force by the operator.

Compact and agile, this efficient warehouse helper moves any load weighing up to 1.5 tons – with the truck itself only weighing 200 kg – and that includes the battery. This makes the ECU 15 C an ideal truck for use on intermediate floors, in elevators or on the back of lorries, in particular if the lorry has a lift platform for loading and unloading.

Thanks to the display, the operator will know the current charging level of the battery at all times. Even better: with a power consumption of only 0.39 kW per hour, the truck is not just very energy efficient, but with the on-board charger, the battery can be opportunity charged at any power outlet. Availability and flexibility are the core aspects of the ECU 15 C. In operation, the pedestrian low lift pallet truck scores not only with its comfortable single-handed control which is suitable for left and right handed operators alike, but with rounded fork tips with integrated entry rollers which make stacking pallets more efficient as well as more comfortable. The robust chassis guarantees a long service life, even under tough conditions.



Simply easy

- Fatigue-free operation: easy-grip tiller for left and right-handed operators
- Real-time information: multi-function display shows battery charge status and operating hours



Simply powerful

- Impressive goods handling: lifting capacity of 500 to 1,500 kg
- Always ready for use: additional replacement battery maximises availability
- Durable: sturdy frame construction
- High performance: powerful and low-maintenance drive motor



Simply safe

- Safe operation: impact plate in optimum size and position
- Improved operator health: maintenance-free battery technology means no exhaust emissions
- Quiet operation: PIEK certification confirms low noise emissions – a plus for both operators and the environment



Simply flexible

- Suitable for almost any application thanks to compact dimensions
- Different fork dimensions available for different load carriers



Simply connected

- Seamless interaction: the li-ion batteries with battery management system interact with the truck



CiTi One, ECH 12 and ECU 15 C Low Lift Pallet Trucks Equipment Variants



		CiTi One	ECH 12	ECU 15 C
General	Powerful drive motor	●	●	●
	Easy-grip tiller for ergonomic operation	●	●	●
	Multi-function display	●	●	—
	Various fork lengths	○	○	○
	Stable and robust frame design	●	●	●
	Weighing equipment	○	—	○
	Climbing runners for easy traversing of thresholds and crossings of up to 70 mm	●	—	—
	PIEK certification: for low-noise deliveries of 60 dB	●	—	—
	Ensures mobility thanks to emergency running feature	●	●	—
Tyres	Drive wheel tyres, polyurethane	●	●	●
	Drive wheel tyres, polyurethane, profiled	—	○	○
	Load roller tyres, polyurethane, single	●	●	●
	Load roller tyres, polyurethane, tandem	○	○	○
	Drive wheel tyres, solid rubber	○	—	—
Safety	Easy-to-reach emergency stop button	●	●	●
	Keyless access authorisation	●	●	●
	Sensitive impact plate for high operational reliability in confined spaces	●	●	●
Battery	Li-Ion battery with 20 Ah	—	●	—
	Li-Ion battery with 26 Ah	—	○	—
	Maintenance-free 85 Ah lead gel battery	—	—	●
	Built-in charger	—	—	●
	5 Ah nickel battery and mobile charger with battery charging cable	●	—	—
	9 Ah nickel battery and mobile charger with battery charging cable	○	—	—
	15 Ah nickel battery and mobile charger with battery charging cable	○	—	—
	Additional 5 Ah nickel battery	○	—	—
Various types of power plugs	○	○	○	

● Standard ○ Option — Not available





STILL GmbH
Berzeliusstraße 10
D-22113 Hamburg
Tel.: +49 (0)40/73 39-20 00
Fax: +49 (0)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.



first in intralogistics