

CiTi One Technical Data Low Lift Pallet Truck

CiTi One



CiTi One Low Lift Pallet Truck

Innovative – for urban goods supply

This specification sheet, which conforms to VDI guideline 2198, provides the technical values for the standard equipment only.
Different tyres and the use of accessories, etc. may result in other values.



| | | | | | | | |
|-------------------------|-------------|---|--------------------|----------------------------------|--------------|------------------|------------|
| Distinguishing features | 1.1 | Manufacturer | | | STILL | | |
| | 1.2 | Manufacturer's model designation | | | Citi One | | |
| | 1.3 | Drive | | | Electric | | |
| | 1.4 | Operation | | | Walking | | |
| | 1.5 | Capacity/load | Q | kg | 500 | | |
| | 1.6 | Load centre | c | mm | 600 | | |
| | 1.8 | Load distance | forks up/down | x | mm | 972/906 | 772/706 |
| Weights | 1.9 | Wheel base | y | mm | 1185 | 985 | |
| | 2.1 | Service weight (incl. battery) | 5/9/15 Ah | | kg | 98/99/102 | |
| | 2.2 | Axle load, laden | drive end/load end | | kg | 224/374 | |
| Tyres/chassis | 2.3 | Axle load, unladen | drive end/load end | | kg | 71/27 | |
| | 3.1 | Tyres | | | Solid rubber | | |
| | 3.2 | Tyre size | drive end | | mm | Ø 310 x 85 | |
| | 3.3 | Tyre size | load end | | mm | Tandem Ø 80 x 37 | |
| | 3.5 | Number of wheels (x = driven) | drive end/load end | | | 1x /2 | |
| Dimensions | 3.6 | Tread | drive end/load end | b ₁₀ /b ₁₁ | mm | 0/410 | |
| | 4.4 | Lift | | h ₃ | mm | 125 | |
| | 4.9 | Height of tiller in the drive position | min./max. | h ₁₄ | mm | 650/1170 | |
| | 4.15 | Height, lowered | | h ₁₃ | mm | 85 | |
| | 4.19 | Overall length without load | | l ₁ | mm | 1560 | |
| | 4.20 | Length including fork backs | | l ₂ | mm | 410 | |
| | 4.21 | Total width | | b ₁ | mm | 550 | |
| | 4.22 | Fork dimensions | | s/e/l | mm | 140/55/1150 | 140/55/950 |
| | 4.25 | Overall fork width | | b ₅ | mm | 550 | |
| | 4.32 | Ground clearance, centre of wheel base | | m ₂ | mm | 30/155 | |
| | 4.34 | Working aisle width with 800 x 1200 pallet lengthways (w ₁₂ x l ₆) | | A _{st} | mm | 1815 | |
| | 4.35 | Turning radius | | W _a | mm | 1387/1321 | 1187/1121 |
| | Performance | 5.1 | Travel speed | with/without load | | km/h | 4.5/6.0 |
| 5.2 | | Lifting speed | with/without load | | cm/s | 3.7/5.4 | |
| 5.3 | | Lowering speed | with/without load | | cm/s | 4.9/5.8 | |
| 5.7 | | Gradeability | with/without load | | % | 8 | |
| 5.82 | | Permitted speed at thresholds and transitions | | | km/h | <2 | |
| 5.9 | | Acceleration speed (over 10 m) | with/without load | | s | 7/6 | |
| 5.10 | | Service brake | | | | Electromagnetic | |
| Electric motor | 6.1 | Drive motor, rating S2 = 20 min | | | kW | 0.3 | |
| | 6.2 | Lift motor, rating at S3 = 5% | | | kW | 0.35 | |
| | 6.3 | Battery according to DIN 43531/35/36; A, B, C, no | | | | Nickel battery | |
| | 6.4 | Battery voltage/nominal capacity 5 h | | | V/Ah | 36/9 | |
| | 6.5 | Battery weight | 5/9/15 Ah | | kg | 6.4/7.0/10.5 | |
| | 6.6 | Energy consumption according to VDI cycle | | | kWh/h | 0.06 | |
| Other | 8.1 | Transmission control | | | | AC control | |
| | 8.2 | Sound level | | | dB(A) | <60 | |

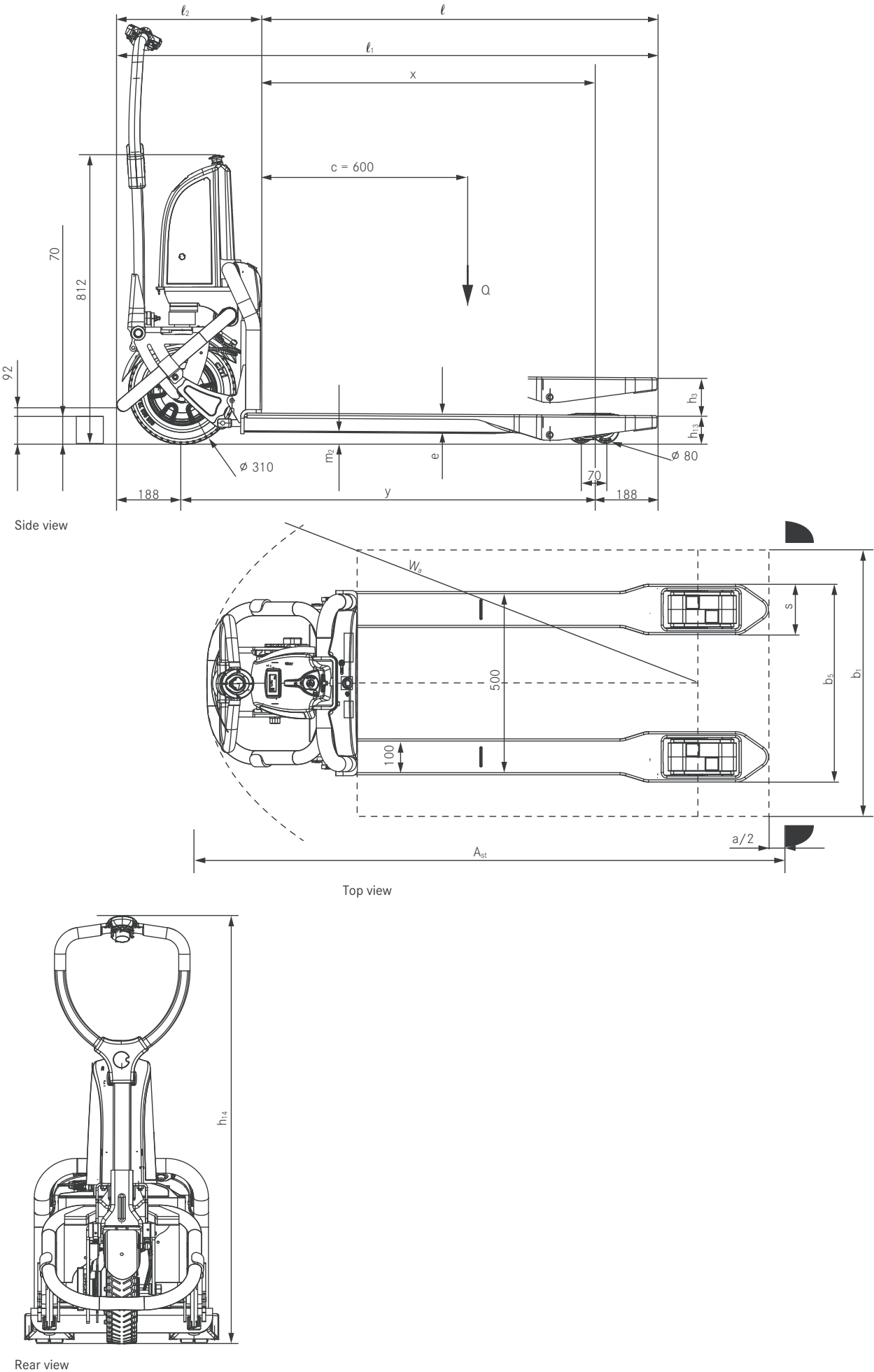
Battery power and charging times

| 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 |

Step height

| 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 |

CiT1 One Low Lift Pallet Truck
 Technical Drawings



CiTi One Low Lift Pallet Truck

Detailed Photos



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



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



Easy-to-use drive and lift functions with ergonomic single-handed control lever



Everything in view, all the time: multifunctional display shows operating hours, warnings, charging status and, optionally, weight



Fully chargeable at all times thanks to the CiTi One's intermediate charging function



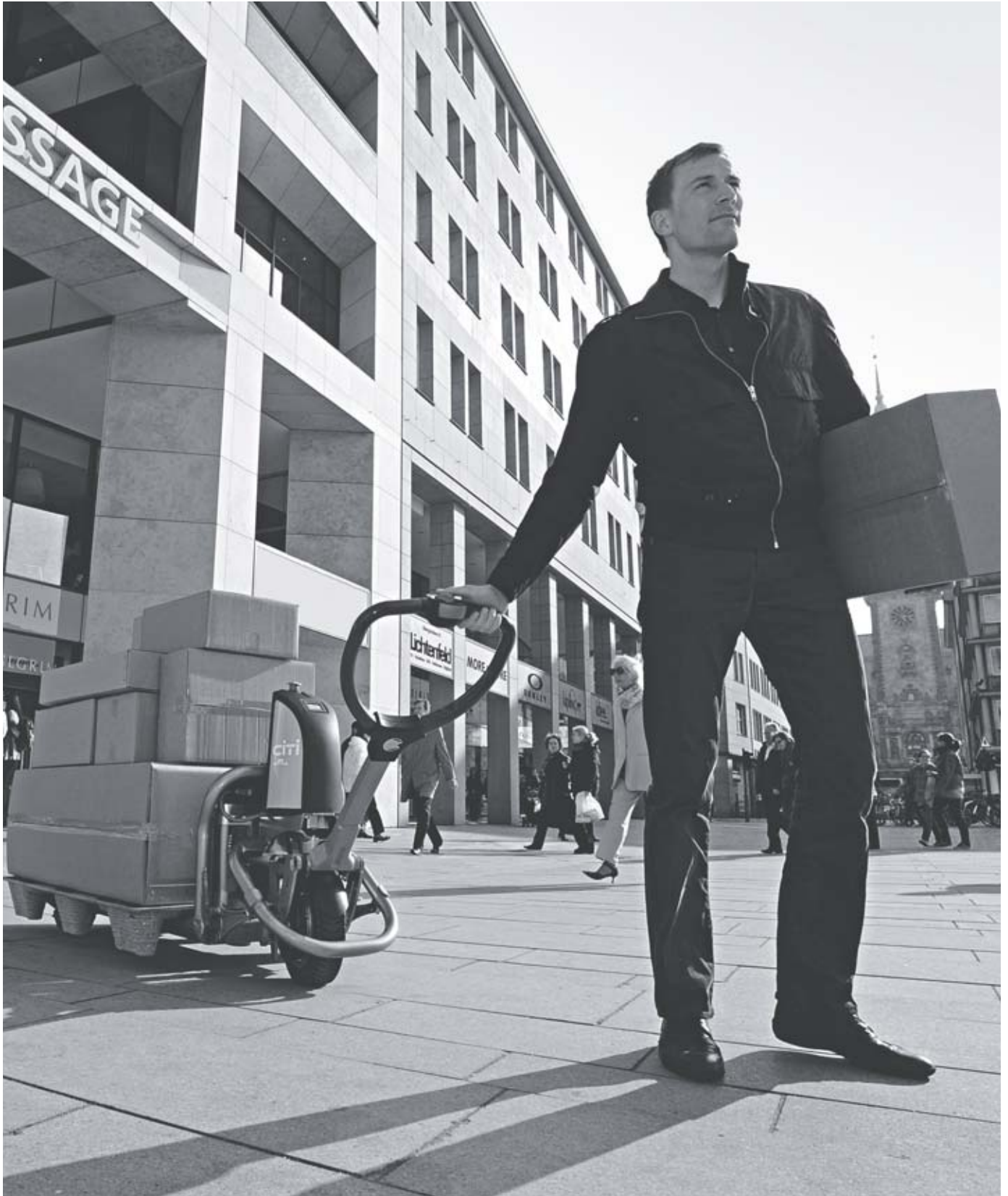
Always ready for use: optional additional battery for extended operating time



The operator and the environment benefit from extremely quiet operation even on uneven floors



Mobility is ensured in every situation thanks to the emergency running feature



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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

The operator and the environment benefit from extremely quiet operation



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: whether 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. The control lever can be operated with one hand, meaning you always have this compact machine under full control. A 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.

Extensive Equipment

Power

- Increased handling performance: loads of up to 500 kg can be transported with ease
- Highly reliable: optional additional battery for even longer operating time
- Optimal drive at all times on any flooring thanks to solid rubber drive wheel

Precision

- Transitions, kerbs and thresholds of up to 70 mm are easy to negotiate thanks to the climbing runners
- Easy to operate with one hand thanks to ergonomic tiller handle and precise single-handed control of driving and lifting functions for optimum performance
- Everything in view, all the time: Multifunctional display shows operating hours, errors, charging status and, optionally, weight of the load

Ergonomics

- Fatigue-free operation thanks to ergonomic tiller
- Electric driving and lifting minimises physical strain placed on operator
- CiTi One is easy to handle thanks to its low service weight

Compactness

- Perfect in confined spaces: extreme manoeuvrability due to short and narrow design

Safety

- Parking brake ensures good handling and stability: optimal combination of electric and mechanical brake
- Even greater operator safety thanks to standard accessories: horn, emergency stop and sensitive impact plate

Environmental Responsibility

- Extremely quiet operation with maximum 60 dB noise emission
- No CO₂ emissions thanks to electric driving and lifting functions
- Over 95% of all materials used are recyclable

CiTi One Low Lift Pallet Truck Equipment Variants



| | | CiTi One |
|----------------|---|----------|
| General | Various fork lengths | ○ |
| | Weighing equipment | ○ |
| | Multifunctional display | ● |
| | Two access keys for access authorisation, emergency stop function and opening the battery compartment | ● |
| | Climbing runners for easy traversing of thresholds and transitions of up to 70 mm | ● |
| | PIEK certification: for low-noise deliveries of 60 dB | ● |
| | For use in areas with temperatures down to -15 °C | ● |
| | Ensures mobility thanks to emergency running feature | ● |
| | Single-handed control lever | ● |
| Drive | Profiled solid rubber drive wheel tyres | ● |
| | Closed wheel-hub drive for maintenance-free deployment | ● |
| Safety | Horn | ● |
| | Sensitive impact plate for high operational reliability in confined spaces | ● |
| | Speed limited to 4 km/h | ○ |
| | Automatic parking brake | ● |
| Battery system | 9 Ah nickel battery and mobile charger with battery charging cable | ● |
| | 15 Ah nickel battery and mobile charger with battery charging cable | ○ |
| | 9 Ah or 15 Ah nickel battery and mobile charger 2 x 3 A with two battery charging cables for simultaneous charging of two batteries | ○ |
| | Additional 5 Ah nickel battery | ○ |
| | Additional charger | ○ |

● Standard ○ Optional — Not available

