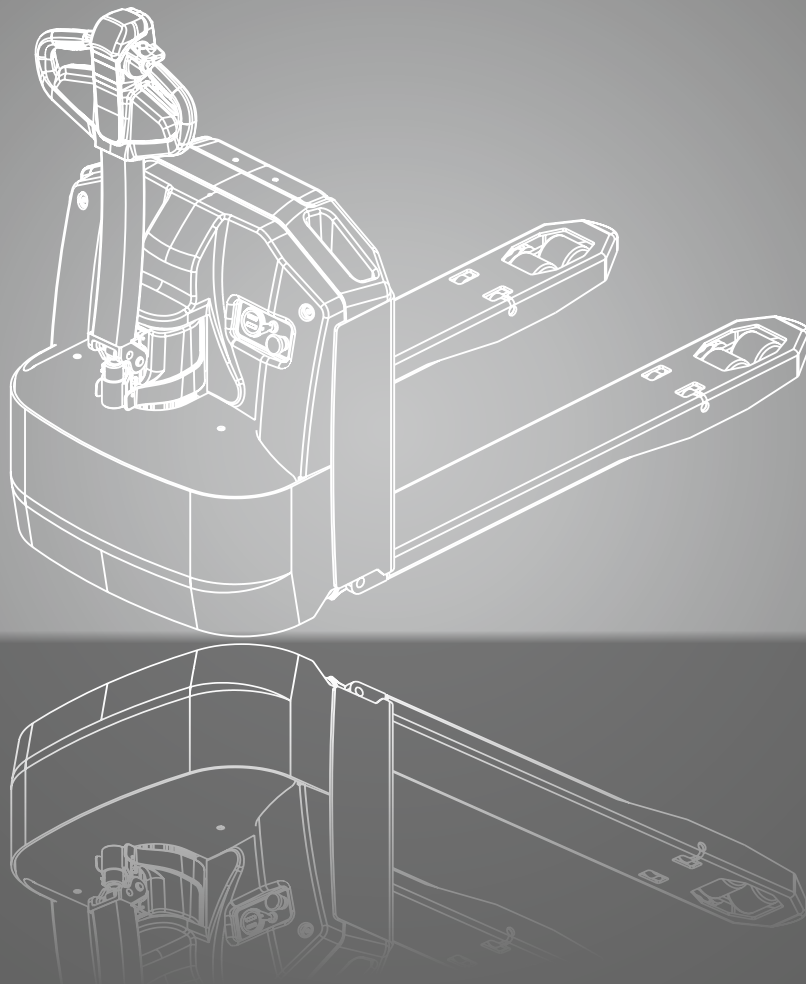


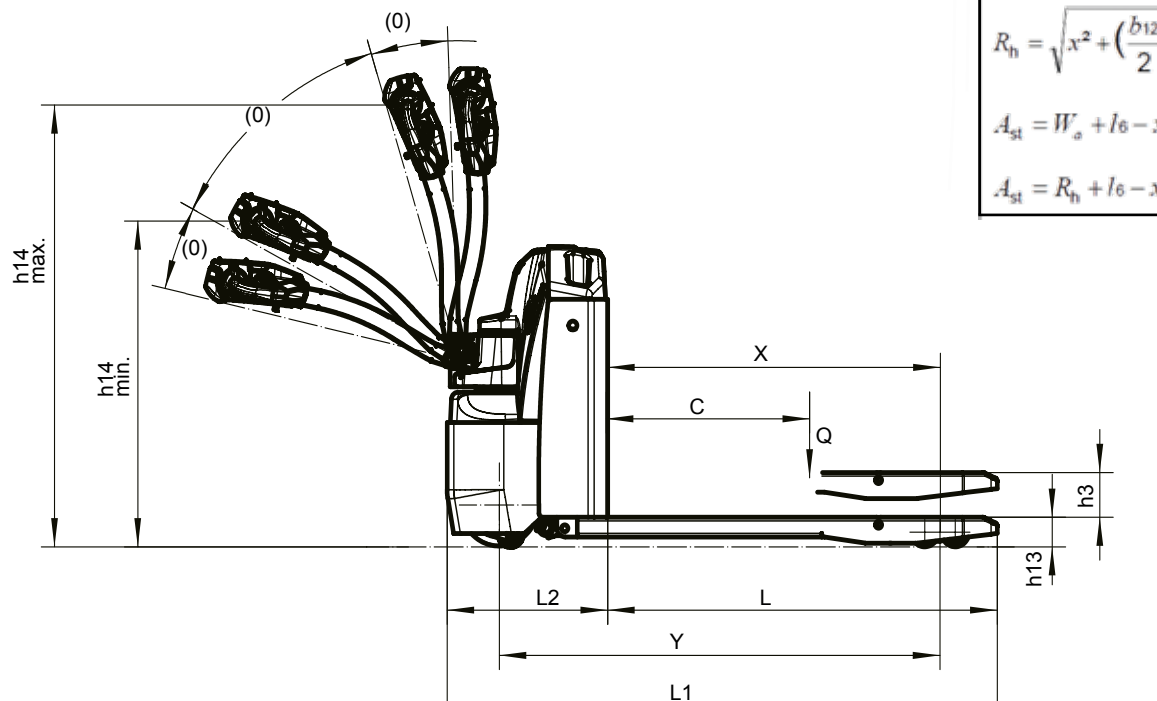
# PWio20

Lithium-Ion Low Lift Pallet Truck  
2000 kg



# DIMENSIONS

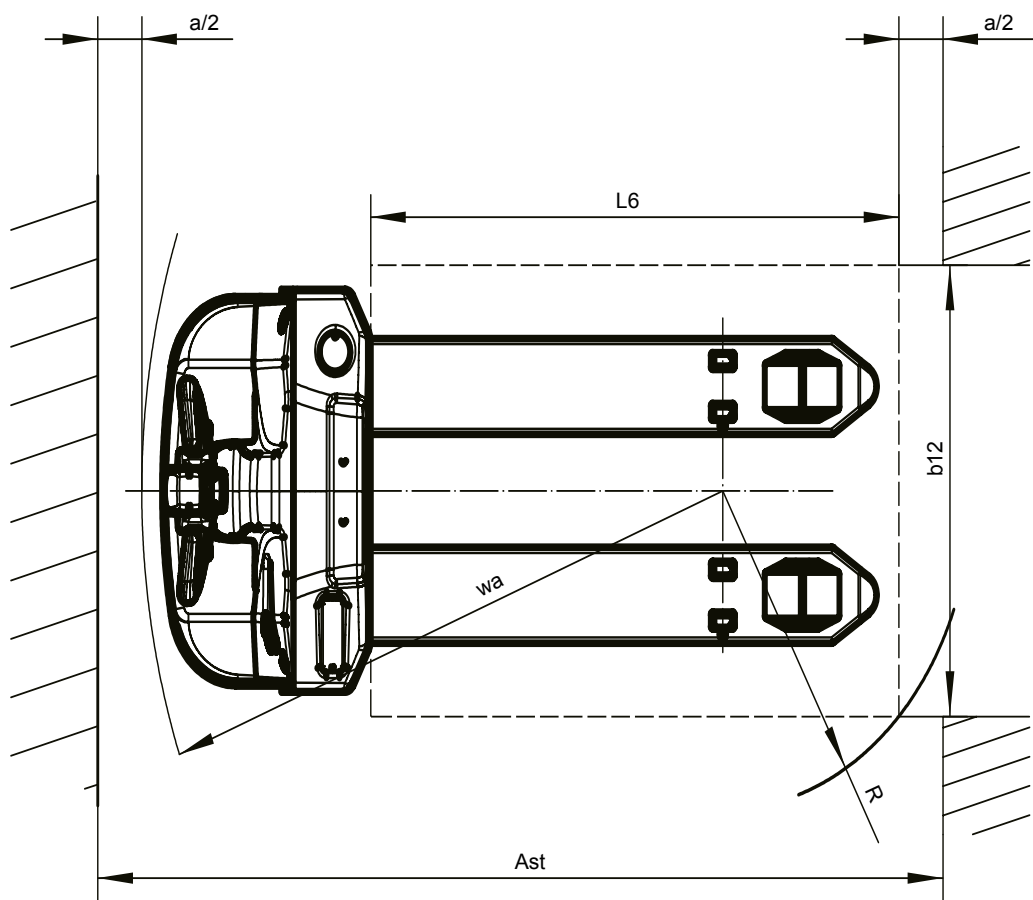
## PWio20



$$R_n = \sqrt{x^2 + \left(\frac{b_{12}}{2}\right)^2}$$

$$A_{st} = W_o + l_6 - x + a \text{ if } R_n < W_o$$

$$A_{st} = R_n + l_6 - x + a \text{ if } R_n > W_o$$



For corresponding data see specification chart.

# SPECIFICATIONS

## Product specification acc. to VDI 2198

1.1 Manufacturer (Abbreviation)		CLARK
Specifications	1.2 Manufacturer's designation	PWio20
	1.3 Drive	24 V Electric
	1.4 Operator type	Pedestrian
	1.5 Rated capacity/rated load	Q (kg) 2000
	1.6 Load centre distance	c (mm) 600
	1.8 Load distance	x (mm) 982
	1.9 Wheelbase	y (mm) 1300
Weight	2.1 Service weight incl. battery (see 6.5)	kg 280
	2.2 Axle loading, laden front/rear	kg 805 / 1475
	2.3 Axle loading, unladen front/rear	kg 235 / 45
Tyres, Chassis	3.1 Tyres	Polyurethane
	3.2 Tyre size, front	Ø 230 x 75
	3.3 Tyre size, rear	Ø 80 x 85
	3.4 Additional wheels (dimensions)	Ø 74 x 30
	3.5 Wheels, number front/rear (x = driven wheels)	1 x 2 / 4
	3.6 Tread, front	b10 (mm) 483
	3.7 Tread, rear	b11 (mm) 370
Dimensions	4.4 Lift h3 (mm)	125
	4.4 Lift height	h3 + h13 (mm) 207,5
	4.9 Height tiller in driving position min./max.	h14 (mm) 900 / 1230
	4.15 Height, lowered	h13 (mm) 82,5
	4.19 Overall length	l1 (mm) 1620
	4.20 Length to face of forks	l2 (mm) 470
	4.21 Overall width	b1 (mm) 714
	4.22 Fork dimensions	s • e • l (mm) 55 x 170 x 1150
	4.25 Distance between fork-arms	b5 (mm) 540
	4.32 Ground clearance, centre of wheelbase	m2 (mm) 27
	4.33 Aisle width for pallets 1.000 x 1.200 sideways	Ast (mm) 2153
4.34 Aisle width for pallets 800 x 1.200 lengthways	Ast (mm) 2080	
4.35 Turning radius	Wa (mm) 1320	
Performance	5.1 Travel speed, laden/unladen	km/h 5,5 / 6
	5.2 Lift speed, laden/unladen	m/s 0,022 / 0,022
	5.3 Lowering speed, laden/unladen	m/s 0,039 / 0,039
	5.8 Max. gradeability, laden/unladen *1	% 8 / 16
	5.10 Service brake	Electro magnetic
Electrics	6.1 Drive motor rating S2 60 min	kW 1,6
	6.2 Lift motor rating at S3 15 %	kW 0,8
	6.3 Battery acc. to DIN 43531/35/36 A, B, C, no	No
	6.4 Battery voltage/nominal capacity (5hr)	V/Ah 24V / 100Ah
	6.5 Battery weight	kg 44
	6.6 Energy consumption acc. to VDI cycle	kWh/h -
	- Battery type	Lithium-ion
8.1 Type of drive unit	AC	
Misc.	10.5 Steering design	Mechanical
	10.7 Sound pressure level at the driver's seat acc. to EN 12053	dB(A) 74

\*1) At friction coefficient  $\mu=0.6$  with 1.6 km/

All data refer to trucks in standard design.

Performance may vary + 5 % and - 10 % due to motor and system efficiency tolerance. The performance shown represents nominal values which may be obtained under typical operating conditions of a machine. CLARK products and specifications are subject to change without notice.

# EQUIPMENT EXTRAS

		<b>PWio20</b>
<b>General</b>	Easy to handle lithium-ion battery (44 kg)	•
	Truck net weight, including battery 280 kg	•
	Internal charger (30 Ah)	•
	Reliable low-maintenance AC traction motor	•
	Electrical drive system, lift and lowering	•
<b>Drive options</b>	Tandem load wheel (polyurethane)	•
	Single load wheel (polyurethane)	x
	Diagnostic indicator	•
	Battery discharge indicator	•
	Load backrest 1220 mm	x
	Load backrest 1525 mm	x
<b>Dimensions</b>	Distance between fork-arms: 540 mm	•
	Distance between fork-arms: 685 mm	x
	Fork length: 1150 mm	•
	Fork length: 900 mm, 1000 mm, 1220 mm, 1450 mm oder 1600 mm	x
<b>Safety</b>	Key switch activation via smart key	•
	Monitored by battery management system	•
	Automatic lift stop at maximum lift	•
	Automatic stop with released tiller	•
	Automatic parking brake	•
	Emergency reverse button	•

• = Standard equipment; x = Option

# FEATURES & ADVANTAGES

## PWio20

### Electrical lifting and lowering

- Sensitive lifting and lowering
- Drive and operating controls in easy reach position
- Automatic braking when the tiller arm is released

### Smart Display

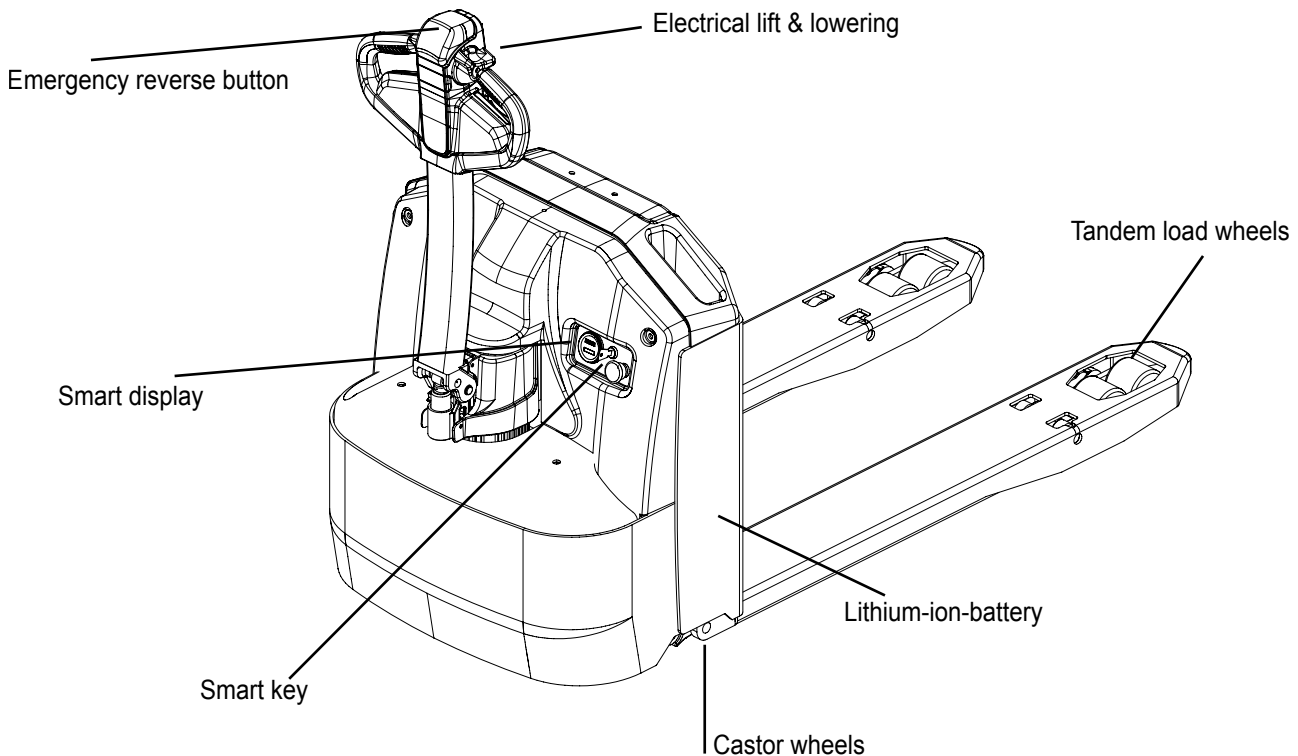
- Battery discharge indicator
- Operating hour counter
- Battery management system
- Diagnostic indicator

### Operator-friendly

- Smart-Key activation
- Easy to use
- Access control
- Suitable for both left- and right-handed users

### Maintenance-friendly

- Proven AC controllers
- On-board diagnostics via error codes
- Easy access to maintenance-relevant components
- Programming of driving parameters



# PRODUCT DESCRIPTION



## PWio20

### The PWio20 - A compact powerhouse

The vehicle with the model designation PWio20 has a load capacity of 2000 kg and is designed for more demanding applications in pedestrian operation. The compactly designed pallet truck is extremely manoeuvrable and shows its capabilities particularly when transporting heavy loads in goods distribution, production or in the warehouse.

The pallet truck is supplied with a long-life and powerful Li-Ion battery and an integrated charger. The Li-Ion battery has a capacity of 24 volts (100 Ah) and can be recharged at any time and within a very short time - for example during breaks - without damaging the battery or shortening its life.

### Versatile and powerful

The PWio20 is equipped with a maintenance-free, encapsulated 1.6 kW three-phase traction motor. This ensures powerful acceleration and a high travel speed of up to 5.5 km/h.

In addition, the low-lift truck scores with its compact design and good manoeuvrability. The turning radius is 1320 mm. Its chassis length measures just 470 mm (L2 dimension) with an overall width of 714 mm and a tare weight of 280 kg. This makes the PWio20 extremely light and compact and ideally suited for use in confined work areas, such as storage zones or sales rooms, or for taking along on the truck.

The battery can be recharged at any 230-volt socket. This gives the pallet truck a high level of availability and means it can also be used for multi-shift operations.

With Li-Ion technology, the operator not only benefits from high productivity, but also saves costs for maintenance, infrastructure and replacement batteries. This makes a Li-Ion vehicle worthwhile for anyone who wants to operate a maintenance-free, long-lasting and fast-charging battery with a high safety standard.

The optimised side support rollers also give the vehicle excellent stability and climbing ability when transporting materials on uneven surfaces and ramps.

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