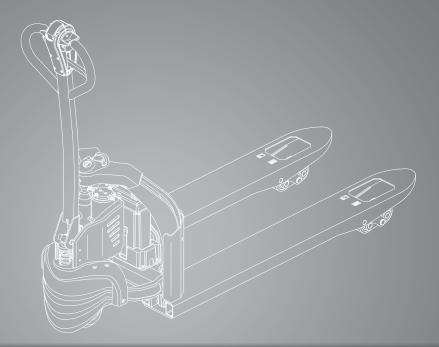


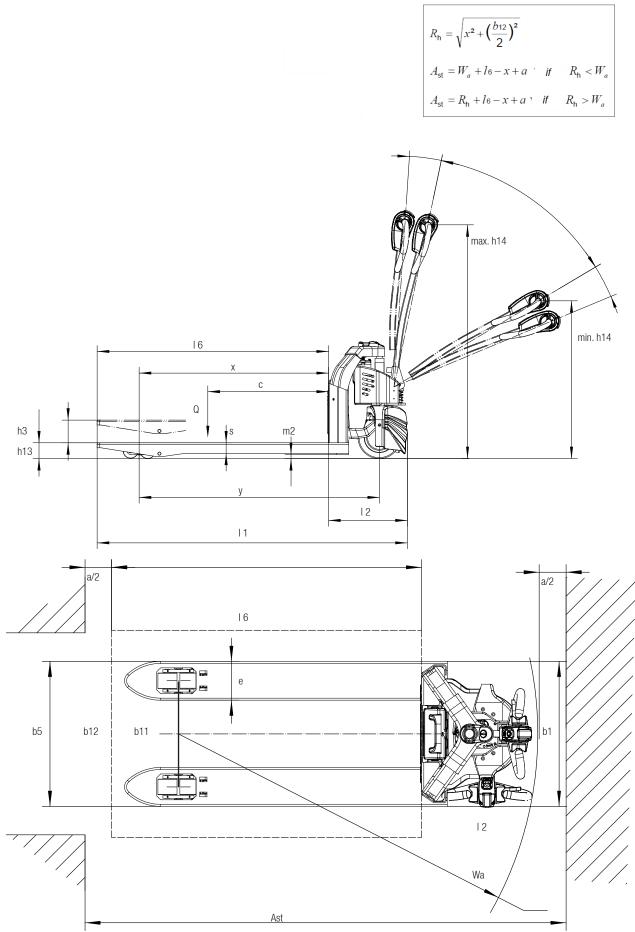
WPio12

Lithium—ion hand pallet truck Electrical lift and electrical drive system 1.200 kg



www.clarkmheu.com

DIMENSIONS



For corresponding data see speci cation chart.

SPECIFICATIONS

Product Specications acc. to VDI 2198

	1.1 Manufacturer (Abbreviation)			CLARK
Specications	1.2 Manufacturer's designation			WPio12
	1.3 Drive		_	24V Electric
	1.4 Operator type			Pedestrian
			$O(l(\alpha))$	1200
	1.5 Rated capacity/rated load		Q (kg)	
Spi	1.6 Load centre distance		c (mm)	600
	1.8 Load distance		x (mm)	950
	1.9 Wheelbase)	y (mm)	1190
Ĕ	2.1 Service weight incl. battery (se	e 6.5)	kg	130
Weight	2.2 Axle loading, laden front/rear		kg	420/910
_	2.3 Axle loading, unladen front/rea	r	kg	110/20
	3.1 Tyres			Polyurethane
0	3.2 Tyre size, front			Ø 210x70
Tyres, Chassis	3.3 Tyre size, rear			Ø80x60
Ch	3.4 Additional wheels (dimensions)			-
/res	3.5 Wheels, number front/rear (x =	driven wheels)		1x / 2 or 4
	3.6 Tread, front	b1	0 (mm)	-
	3.7 Tread, rear	b1	1 (mm)	410
	4.4 Lift		n3 (mm)	115
	4,4 Lift height	h3 + h1		195
	4.9 Height tiller in driving position	min./max. h1	4 (mm)	750/1190
	4.15 Height, lowered		3 (mm)	80
	4.19 Overall length		11 (mm)	1540
SL	4.20 Length to face of forks		I2 (mm)	390
Dimensions	4.21 Overall width		o1 (mm)	560
imer	4.22 Fork dimensions		I (mm)	53x150x1150
	4.25 Distance between fork-arms		5 (mm)	560
	4.32 Ground clearance, centre of w		n2 (mm)	27
	4.32 Aisle width for pallets 1000 x		st (mm)	1640
	4.33 Aisle width for pallets 800 x 12		st (mm)	1840
	4.35 Turning radius		· /	1390
	5,1 Travel speed, laden/unladen	V	/a (mm) km/h	4.0/4.5
ce				
nan	5.2 Lift speed, laden/unladen		m/s	0.02/0.025
Performance	5.3 Lowering speed, laden/unlader		m/s	0.06/0.03
Per	5.8 Max. gradeability, laden/unlade	11 "1	%	4/10
	5.10 Service brake		1.147	Electric
	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 acc. to DIN 43531/35/			No
Electrics	6.4 Battery voltage/nominal capac	ty (5hr)	V/Ah	24 / 20
Elec	6.5 Battery weight		kg	3.7
	6.6 Energy consumption acc. to VE	I cycle	kWh/h	0.25
	- Battery type		Lithium-ion	
	8.1 Type of drive unit			DC
SC.	10.5 Steering design			Mechanical
Misc.	10.7 Sound pressure level at the dri	ver's seat acc. to EN 12053	dB(A)	<64

*1) At friction coeficient $\mu{=}0.6$ with 1.6 km/h

EQUIPMENT EXTRAS

		WPio12
	Easy to handle lithium-ion battery (3,7 kg)	•
General	Truck net weight, including battery 130 kg	•
General	External charger	•
	Electrical lift and electrical drive system	•
	Tandem load wheel (Polyurethane)	•
Drive	Single load wheel (Polyurethane)	Х
Options	Replacement lithium-ion battery	Х
	Battery discharge indicator	•
	Fork length 1000 mm, 1150 mm or 1220 mm	Х
Fork Options	Width across forks 560 mm	•
	Width across forks 685 mm	Х
	Key switch activation via Smart-Key	•
	Monitored by battery management system	•
	Automatic lift stop at maximum lift	•
Safety	Gradient Anti–Roll–Back	•
	Automatic park brake	•
	Belly switch	•

• = Standard Equipment; x = Option

FEATURES & ADVANTAGES

WPio12

Electrical lift and manual lowering

- Sensitive lifting and lowering
- Drive and operating switches with easy reach position
- Automatic lift stop (at maximum lift)

Smart Display

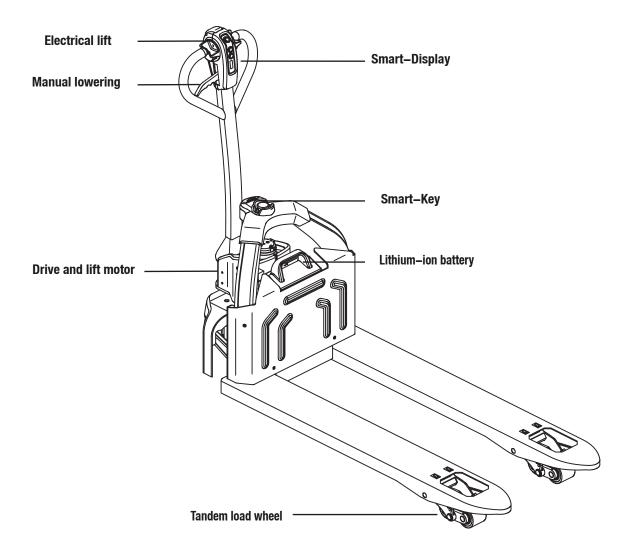
- · Battery discharge indicator
- Operating hour counter
- Battery management system
- On-board diagnostics via error codes

Smart Key

- · Smart-Key activation
- Easy to use
- · Access control

Application

- Specially developed for use on level ground
- · Ideal for slight gradients of maximum 4 degree
- Always usable with the lithium-ion battery from top-up charging
- Quick charging times
- Maneuverability in tight corners
 - Total width (b1) only 560 mm
 - Length to fork face (I2) only 390 mm



PRODUCT DESCRIPTION



WPio12

The WPio12 - an innovative assistant

The WPio12 is an electric hand pallet truck with a lithium-ion battery. It is ideal for transporting all kinds of goods over short distances. In contrast to conventional hand pallet trucks, the WPio12 lifts and moves goods using electrical power. The minimal L2 dimension (length to face of forks) of only 390 mm, makes the WPio12 extremely compact and ideal for use in confined spaces, e.g. in stores and business centres of all types.

Its low service weight of only 130 kg is a further advantage that also allows the WPio12 to be transported in lorries and used on tail lifts. Thanks to the maintenance-free lithium-ion battery and the included charger daily routines stay much the same when a conventional hand pallet truck is replaced with the WPio12. The WPio12 is perfect for light duties in goods distribution, production tasks or warehouse applications – an innovative assistant.

Advantages of lithium-ion technology in the WPio12

High performance in a compact design

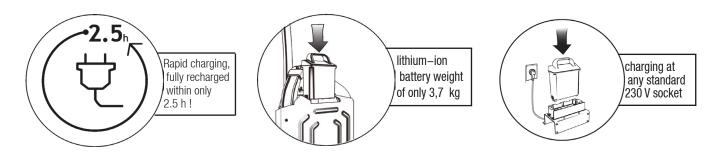
The high energy density of the installed lithium-ion battery provides great travel performance and long operating periods of up to 3 hours. At the same time, the WPio12 is very compact and has a low service weight, which means it consumes up to 30 percent less energy than vehicles with lead-acid batteries.

Fast charging + top-up charging

Top-up charging can be used between full charges without affecting the service life of the battery. The battery can be recharged with any 230–V socket. No costs are incurred for adapting the existing charging infrastructure (e.g. ventilation). After deep discharge cycle, charging to 60% battery capacity takes only 40 minutes and the battery is charged to full capacity after 2.5 hours.

Double service life + maintenance-free battery

The lithium—ion battery has approximately twice the service life of a conventional lead—acid battery (approximately 1,000 charge cycles). Furthermore, it does not require any maintenance with regard to battery acid.



Dealer:

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