



ELECTRIC PALLET JACKS

LI-ION LWio15 | WPio15 | WPio18 | WPio20



**Long Operating Times
Performance
Safety**

ELECTRIC PALLET JACKS

Flexible Storage Assistants

CLARK's compact electric low-lift pallet trucks with load capacities from 1500 to 2000 kg ensure reliable and efficient horizontal goods transport. Even in space-critical applications – such as storage areas or sales rooms in industry, trade or logistics – the pallet trucks impress with their precise manoeuvrability. The range makes light work of hauling loads, allowing workers to move greater distances all while creating a safer work environment.

Regardless of whether you are looking for a pedestrian pallet truck or require a truck with a stand-on platform for longer distances, CLARK offers the right model for nearly every application profile. Our models with powerful Li-Ion batteries can additionally be recharged at any time during breaks. This allows you to extend the operating times without limiting the battery life.



ELECTRIC PALLET JACKS

LWio15



The LWio15 - Compact and cost-efficient warehouse supporter



Small and compact like a manual pallet jack

Reduced strain on operators compared to manual operation

Electric lifting, lowering and moving

The LWio15 is the perfect device to realise light transport tasks in industry, trade and logistics in an extremely cost-efficient way. The vehicle drives and lifts purely electrically. The modern Li-Ion battery technology used provides enough power to reliably carry out operations in goods distribution, production or warehousing.

LWio15LI-ION



Lithium-Ion Hand Pallet Truck
1500 kg

WPio15 | 18LI-ION



Lithium-Ion Low-lift Pallet Truck
1500 | 1800 kg

WPio20LI-ION



Lithium-Ion Low-lift Pallet Truck
2000 kg

Technical data: Hand Pallet Truck with Lithium-Ion Battery LWio15				
				
Load capacity: 1500 kg	Lift height: max. 105 mm	Drive speed: max. 4.5 km/h	Drive motor rating: 0.75 kW	Battery capacity: 24 V / 20 Ah

ELECTRIC PALLET JACKS

WPio15 | WPio18

The WPio15 – Flexible and Efficient
The WPio18 – A Powerful All-rounder



- For Medium-Heavy Applications
- Integrated Chargers for Maximum Flexibility
- Two Castor Wheels on the Sides Ensure Stability While Cornering

The WPio15 and the WPio18 are versatile low-lift trucks with a load capacity of 1.5 or 1.8 tons, suitable for various tasks of daily material transport. The trucks are equipped as standard with integrated chargers and can be charged at any 230 volt socket. Thanks to the mounted castor wheels, the trucks have excellent cornering characteristics, thus ensuring a safe and efficient transport of goods.

Technical data: Pallet Truck with Lithium-Ion Battery WPio15 | WPio18

				
Load capacity: WPio15 1500 kg WPio18 1800 kg	Lift height: max. 195 mm	Drive speed: WPio15 max. 5 km/h WPio18 max. 5.5 km/h	Drive motor rating: WPio15 0.75 kW WPio18 0.9 kW	Battery capacity: WPio15 24 V / 20Ah WPio18 48 V / 20Ah

ELECTRIC PALLET JACKS

WPio20



The WPio20 - Compact powerhouse
for more demanding applications



- For more demanding applications
- 48 V, 30 Ah Li-Ion battery with integrated charger
- Optimised side castor wheels for excellent stability

The WPio20 low lift pallet truck with a load capacity of 2.0 tons is ideal for more demanding applications in pedestrian operation. The WPio20 is extremely manoeuvrable and demonstrates its capabilities particularly when transporting heavier loads. The 48 V 30 Ah Li-ion battery can be recharged at any time via the integrated charger at any 240 V socket within a very short time.

Technical data: Pallet Truck with Lithium-Ion Battery WPio20

				
Load capacity: 2000 kg	Lift height: 140 mm	Drive speed: max. 5.5 km/h	Drive motor rating: 0.75 kW	Battery capacity: 48 V / 30 Ah

SPECIFICATIONS

LWio15 / WPIO15

Product Specification acc. to VDI 2198

Specifications	1.1 Manufacturer (Abbreviation)		CLARK	CLARK
	1.2	Manufacturer's designation	LWio15	WPio15
	1.3	Drive	24 V Electric	24 V Electric
	1.4	Operator type	Pedestrian	Pedestrian
	1.5	Rated capacity/rated load	Q (kg)	1,500
	1.6	Load centre distance	c (mm)	600
	1.8	Load distance	x (mm)	950
	1.9	Wheelbase	y (mm)	1,180
	1.9	Wheelbase	y (mm)	1,200
Weight	2.1	Service weight incl. battery (see 6.5)	kg	120
	2.2	Axle loading, laden front/rear	kg	480 / 1,140
	2.3	Axle loading, unladen front/rear	kg	90 / 30
Tyres, Chassis	3.1	Tyres	Polyurethane	Polyurethane
	3.2	Tyre size, front	Ø 210 x 70	Ø 210 x 70
	3.3	Tyre size, rear	Ø 80 x 60	Ø 80 x 60 / Ø 74 x 88
	3.4	Additional wheels (dimensions)	Ø 74 x 30	Ø 74 x 30
	3.5	Wheels, number front/rear (x = driven wheels)	1 x + 2 / 2	1 x + 2 / 4 / 1 x + 2 / 2
	3.6	Tread, front	b10 (mm)	450
	3.7	Tread, rear	b11 (mm)	535 / 410
Dimensions	4.4	Lift	h3 (mm)	105
	4.4	Lift height	h3 + h13 (mm)	187
	4.9	Height tiller in driving position min./max.	h14 (mm)	750 / 1,190
	4.15	Height, lowered	h13 (mm)	82
	4.19	Overall length (without platform)	l1 (mm)	1,550
	4.20	Length to face of forks (without platform)	l2 (mm)	400
	4.21	Overall width	b1 (mm)	685
	4.22	Fork dimensions	s • e • l (mm)	50 x 150 x 1,150
	4.25	Overall Width	b5 (mm)	695
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	25
	4.33	Aisle width for pallets 1.000 x 1.200 sideways	Ast (mm)	2,160
	4.34	Aisle width for pallets 800 x 1.200 lengthways	Ast (mm)	2,025
	4.35	Turning radius	Wa (mm)	1,360
Performance	5.1	Travel speed, laden/unladen	km/h	4 / 4.5
	5.2	Lift speed, laden/unladen	m/s	0.017 / 0.020
	5.3	Lowering speed, laden/unladen	m/s	0.046 / 0.058
	5.8	Max. gradeability, laden/unladen *1	%	5 / 16
	5.10	Service brake	Electric	Electric
Electrics	6.1	Drive motor rating S2 60 min	kW	0.75
	6.2	Lift motor rating at S3 15 %	kW	0.5
	6.3	Battery acc. to DIN 43531/35/36 A, B, C, no	No	No
	6.4	Battery voltage/nominal capacity (5hr)	V/Ah	24 / 20
	6.5	Battery weight	kg	5
	6.6	Energy consumption acc. to VDI cycle	kWh/h	-
	-	Battery type	Lithium-ion	Lithium-ion
	8.1	Type of drive unit	DC	DC
Misc.	10.5	Steering design	Mechanical	Mechanical
	10.7	Sound pressure level at the driver's seat acc. to EN 12053	dB(A)	<74

*1) At friction coefficient μ=0.6 with 1.6 km/h

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.

SPECIFICATIONS

WPIO18 / WPIO20



Product Specification acc. to VDI 2198

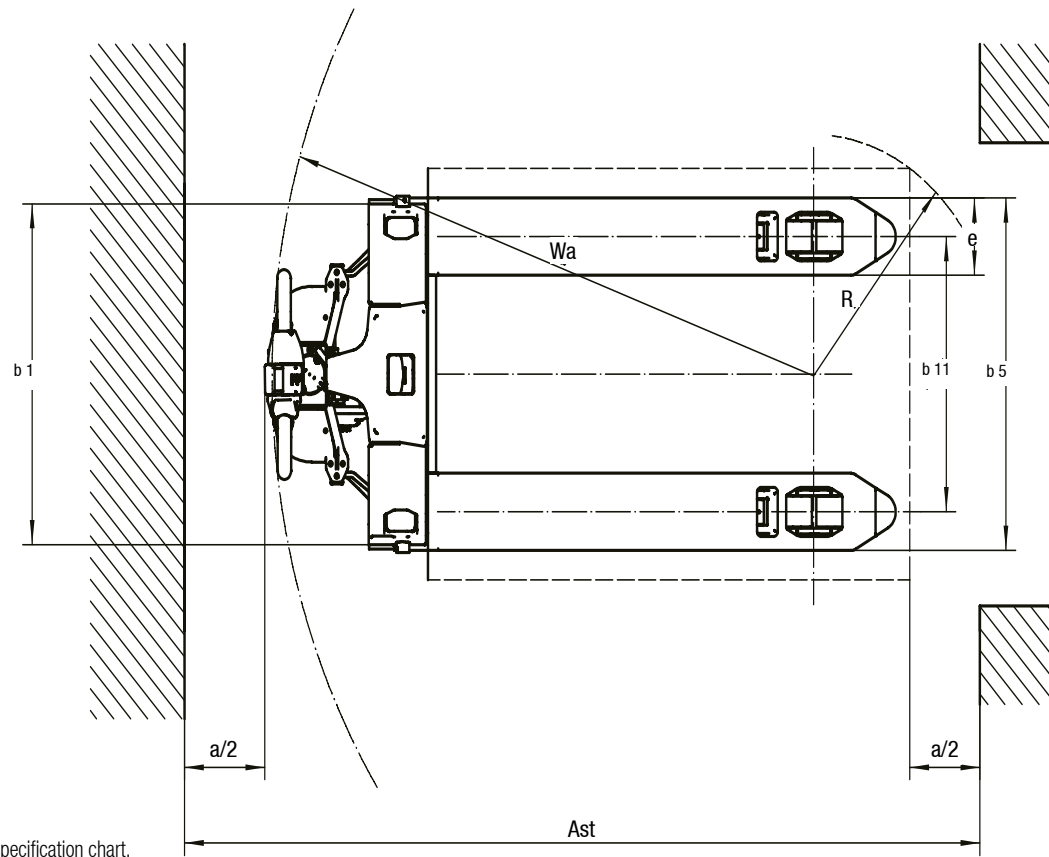
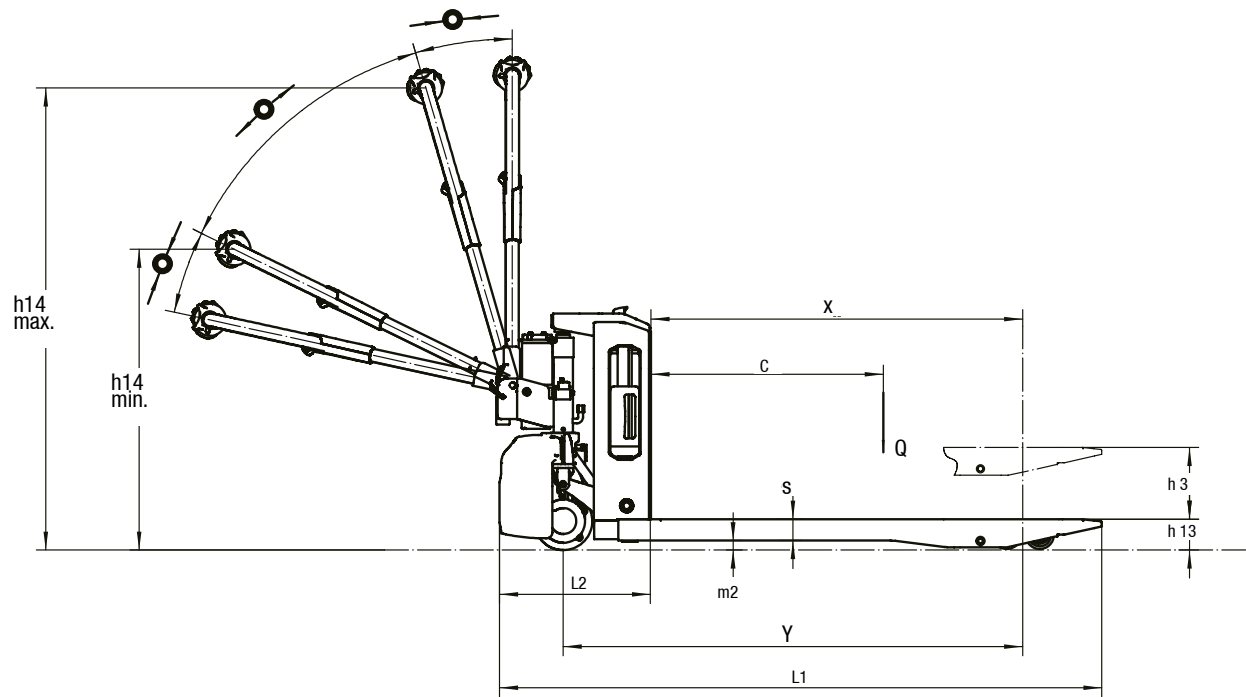
Specifications	1.1 Manufacturer (Abbreviation)		CLARK	CLARK
	1.2	Manufacturer's designation	WPIO18	WPIO20
	1.3	Drive	48 V Electric	48 V Electric
	1.4	Operator type	Pedestrian	Pedestrian
	1.5	Rated capacity/rated load	Q (kg)	1,800
	1.6	Load centre distance	c (mm)	600
	1.8	Load distance	x (mm)	940
	1.9	Wheelbase	y (mm)	1,200
	1.9	Wheelbase	y (mm)	1,268
Weight	2.1	Service weight incl. battery (see 6.5)	kg	170
	2.2	Axle loading, laden front/rear	kg	660 / 1,330
	2.3	Axle loading, unladen front/rear	kg	140 / 30
Tyres, Chassis	3.1	Tyres	Polyurethane	Polyurethane
	3.2	Tyre size, front	Ø 210 x 70	Ø 250 x 102
	3.3	Tyre size, rear	Ø 80 x 60 / Ø 74 x 88	Ø 82 x 85 / Ø 82 x 115
	3.4	Additional wheels (dimensions)	Ø 74 x 30	Ø 74 x 48
	3.5	Wheels, number front/rear (x = driven wheels)	1 x + 2 / 4 / 1 x + 2 / 2	1 x + 2 / 4 / 1 x + 2 / 2
	3.6	Tread, front	b10 (mm)	450
	3.7	Tread, rear	b11 (mm)	390
Dimensions	4.4	Lift	h3 (mm)	115
	4.4	Lift height	h3 + h13 (mm)	195
	4.9	Height tiller in driving position min./max.	h14 (mm)	700 / 1,260
	4.15	Height, lowered	h13 (mm)	80
	4.19	Overall length (without platform)	l1 (mm)	1,550
	4.20	Length to face of forks (without platform)	l2 (mm)	400
	4.21	Overall width	b1 (mm)	695
	4.22	Fork dimensions	s • e • l (mm)	50 x 150 x 1,150
	4.25	Distance between fork-arms	b5 (mm)	685
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	30
	4.33	Aisle width for pallets 1.000 x 1.200 sideways	Ast (mm)	2,145
	4.34	Aisle width for pallets 800 x 1.200 lengthways	Ast (mm)	2,050
	4.35	Turning radius	Wa (mm)	1,330
Performance	5.1	Travel speed, laden/unladen	km/h	5 / 5.5
	5.2	Lift speed, laden/unladen	m/s	0.020 / 0.025
	5.3	Lowering speed, laden/unladen	m/s	0.065 / 0.030
	5.8	Max. gradeability, laden/unladen *1	%	6 / 16
	5.10	Service brake	Electric	Electric
Electrics	6.1	Drive motor rating S2 60 min	kW	0.9
	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	No
	6.4	Battery voltage/nominal capacity (5hr)	V/Ah	48 / 20
	6.5	Battery weight	kg	14
	6.6	Energy consumption acc. to VDI cycle	kWh/h	-
	-	Battery type	Lithium-ion	Lithium-ion
	8.1	Type of drive unit	DC	DC
Misc.	10.5	Steering design	Mechanical	Mechanical
	10.7	Sound pressure level at the driver's seat acc. to EN 12053	dB(A)	74

*1) At friction coefficient μ=0.6 with 1.6 km/h

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.

DIMENSIONS



For corresponding data see specification chart.

ELECTRIC PALLET JACKS
LI-ION



LWio15



WPio18



WPio18



WPio18



WPio15



LWio15



WPio18

HIGHLIGHTS

Equipped with modern Li-Ion batteries, our CLARK pallet trucks offer outstanding performance and efficiency. Below you will find a list of the advantages of using lithium-ion technology in our pallet trucks. However, as not all applications are identical, the use of classic lead-acid batteries can still be advantageous.

If you have any questions about the best choice of battery technology, our expert consultants will be happy to assist you and help you assess your individual requirements.

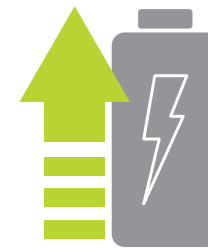
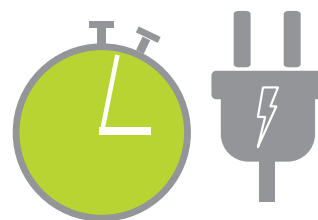


Maintenance costs

Unlike lead-acid batteries, lithium-ion batteries are maintenance-free. There is no need to top up with water, clean or check the acid level. While lead-acid batteries can repeatedly cause injuries due to leaking battery acid and gases or crushing due to improper handling when replacing the battery, this is not the case with lithium-ion batteries. This danger does not exist when using Li-ion batteries.

Opportunity charges:

The Li-ion battery can be recharged during breaks, for example, without causing any loss of capacity or damage to the battery. In contrast, lead-acid batteries lose some of their capacity when not in use, during intermediate charging or when charging is interrupted. This problem does not occur with Li-ion batteries.

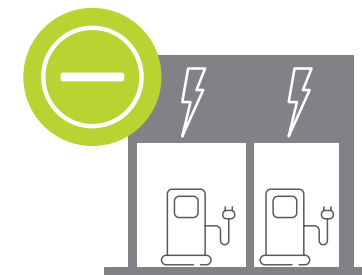


More power:

In Li-ion technology, the energy yield is very high. 90 to 95% of the energy taken from the charger is absorbed by the battery.

Decentralised charging points:

In contrast to the lead-acid battery, the Li-ion battery makes very few demands on the infrastructure: The battery can be charged decentral-ly. The operator does not need complex charging stations, as no gassing occurs during charging. He thus gains valuable storage space.



Long service life:

Li-ion batteries have a significantly longer service life than lead-acid batteries, reduce costs and minimise the ecological footprint. By changing fewer batteries, they contribute to the sustainability of companies, save resources and minimise environmental impact.



No battery change necessary

Thanks to the opportunity charging capability and easy recharging of the battery at the charging station, there is no need to change the battery even in multi-shift use. This not only enables flexible use of the vehicle around the clock, but also means a significant physical relief for the operator and the elimination of further infrastructure that would be necessary for battery replacement.





LOW-LIFT TRUCKS

LWio15 | WPio15 | WPio18 | WPio20

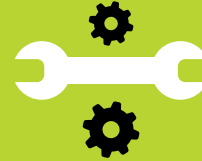


THE FORKLIFT



GLOBAL PRESENCE

CLARK products are in operation all around the world.



RELIABLE SPARE PARTS SERVICE

Over 120,000 items in our Duisburg Spare Parts Centre in Germany.



COMPREHENSIVE DEALER NETWORK

Over 550 sales & distribution partners in more than 90 countries ensure a high level of availability of our products and services.



EXCELLENT QUALITY

CLARK is the forerunner in high-quality standards and innovative product developments.



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Low-Lift Trucks

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