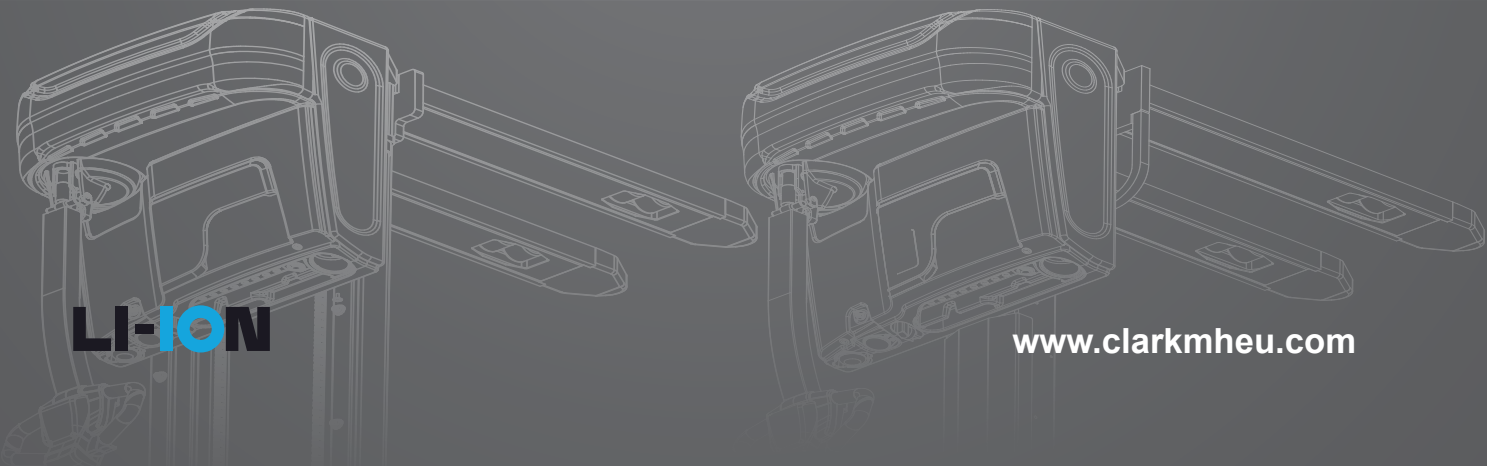
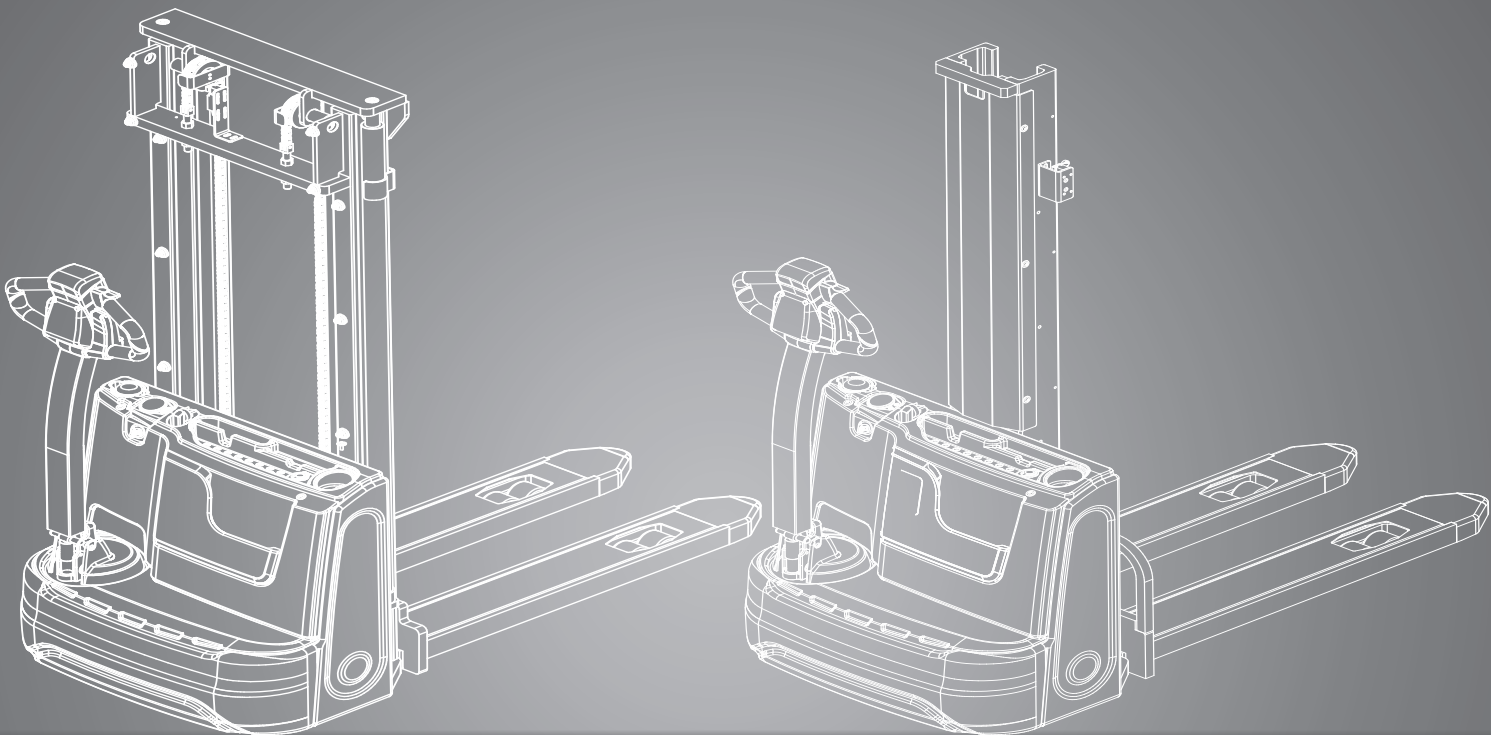


# WS12 WS12M

Electric Stackers Trucks  
1200 kg



**LI-ION**

[www.clarkmheu.com](http://www.clarkmheu.com)

# FEATURES AND BENEFITS

## WS12

### Upright table WS12

Mast type	Lift height (h3+h13)	Mast height lowered (h1)	Mast height extended (h4)	Free lift (h2)
	mm	mm	mm	mm
Standard	2515	1745	2960	90
	2715	1845	3160	90
	3020	1995	3460	90
	3315	2145	3760	90
	3615	2295	4060	90
	3815	2395	4260	90
	3915	2445	4360	90
	4115	2545	4560	90

## WS12M

### Upright table WS12M

Mast type	Lift height (h3+h13)	Mast height lowered (h1)	Mast height extended (h4)	Free lift (h2)
	mm	mm	mm	mm
Mono	1615	1951	1991	1530
	1955	2291	2336	1860

### Application

The WS12 with standard mast has a very high maximum lifting height of up to 4115 mm and can therefore also reach higher storage locations. All models in this series are suitable for light and occasional applications.

### Low truck weight and compact

The compact design of this series enables it to be used in space-critical work areas as well as in very narrow aisles. Only a small amount of force is required to steer the manoeuvrable lift truck. This reduces the operator's workload. Due to the low service weight and the resulting lower floor load, use on intermediate levels is also possible.

### Maintenance-free lithium-ion technology

Thanks to fast charging times with a lithium-ion battery, the WS12/M can be used almost without interruption. The lithium-ion battery (24 V / 100 Ah) can be recharged at any 230 V socket thanks to the integrated charger with 24 V 30

### Mono-upright option WS12M

The WS12 can be equipped with a Mono-upright and can lift goods up to 1955 mm.

Thanks to its high free lift, it is ideal for stacking pallets indoors with low ceilings and in containers.

### Safety

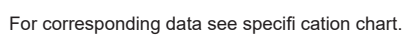
The tiller is suitable for left and right-handed operators and enables precise operation of all drive and lift functions. Due to the large field of vision provided by the mast profiles, the operator always has the forks and the load in view.

The mono masts also provide a good view of the fork tips. This ensures precise positioning of the unit and fast and safe pick-up of loads.

In addition, the WS12 models have deep truck frames to protect the feet of anyone near the truck. The WS12 with standard mast also has a maximum travel speed that depends on the lift height.

# WS12

$$A_{st} = R_h + R + \alpha \text{ if } R_h > W_a$$



# SPECIFICATIONS acc. to VDI 2198

1.1 Manufacturer (Abbreviation)		CLARK	CLARK
Specifications	1.2 Manufacturer's designation	<b>WS12</b>	<b>WS12M</b>
	1.3 Drive	24 V, Electric	24 V, Electric
	1.4 Operator type	Pedestrian	Pedestrian
	1.5 Rated capacity/rated load Q (kg)	1200	1200
	1.6 Load centre distance c (mm)	600	600
	1.8 Load distance x (mm)	808	808
	1.9 Wheelbase y (mm)	1230	1210
Weight	2.1 Service weight incl. battery (see 6.5) kg	700	496
	2.2 Axle loading, laden front/rear kg	750/1150	586/1110
	2.3 Axle loading, unladen front/rear kg	540/160	380/116
Tyres, Chassis	3.1 Tyres	Polyurethane	Polyurethane
	3.2 Tyre size, front	Ø 210 x 70	Ø 214 x 70
	3.3 Tyre size, rear	Ø 80 x 60	Ø 80 x 60
	3.4 Additional wheels (dimensions)	Ø 130 x 55	Ø 130 x 55
	3.5 Wheels, number front/rear (x = driven wheels)	1 x + 1 / 4	1 x + 1 / 4
	3.6 Tread, front b10 (mm)	543	543
	3.7 Tread, rear b11 (mm)	400	400
Dimensions	4.2 Height, mast lowered h1 (mm)	1995	1951
	4.4 Lift h3 (mm)	2930	1530
	4.4 Lift height h3 + h13 (mm)	3020	1620
	4.5 Height, mast extended h4 (mm)	3460	1991
	4.9 Height tiller in driving position min./max. h14 (mm)	760 / 1140	760 / 1140
	4.15 Height, lowered h13 (mm)	90	90
	4.19 Overall length l1 (mm)	1760	1742
	4.20 Length to face of forks l2 (mm)	610	592
	4.21 Overall width b1 (mm)	826	826
	4.22 Fork dimensions s • e • l (mm)	60 x 170 x 1150	60 x 170 x 1150
	4.25 Distance between fork-arms b5 (mm)	570	570
	4.32 Ground clearance, centre of wheelbase m2 (mm)	23	23
	4.33 Aisle width for pallets 1000 x 1200 sideways Ast (mm)	2310	2282
	4.34 Aisle width for pallets 800 x 1200 lengthways Ast (mm)	2240	2212
	4.35 Turning radius Wa (mm)	1480	1452
Performance	5.1 Travel speed, laden/unladen km/h	4 / 4,5	4 / 4,5
	5.2 Lift speed, laden/unladen m/s	0,15 / 0,24	0,15 / 0,25
	5.3 Lowering speed, laden/unladen m/s	0,21 / 0,2	0,19 / 0,14
	5.8 Max. gradeability, laden/unladen *1 %	3 / 10	3 / 10
	5.10 Service brake	Electric	Electric
Electrics	6.1 Drive motor rating S2 60 min kW	0,65	0,65
	6.2 Lift motor rating at S3 15 % kW	3,0	3,0
	6.3 Battery acc. to DIN 43531/35/36 A, B, C, no	Nein	Nein
	6.4 Battery voltage/nominal capacity Ah/5hr	24 V / 88 Ah	24 V / 88 Ah
	6.5 Battery weight kg	2 x 33	2 x 33
	6.6 Energy consumption acc. to VDI cycle kWh/h	-	-
	- Battery type	Bloc batteries (Gel)	Bloc batteries (Gel)
	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) dB(A)	74	74

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

In accordance with VDI Guideline 2198 this specification sheet provides details on the standard truck only. Non-standard tyres, different masts, optional equipment, etc. may result in different values.

# DIMENSIONS

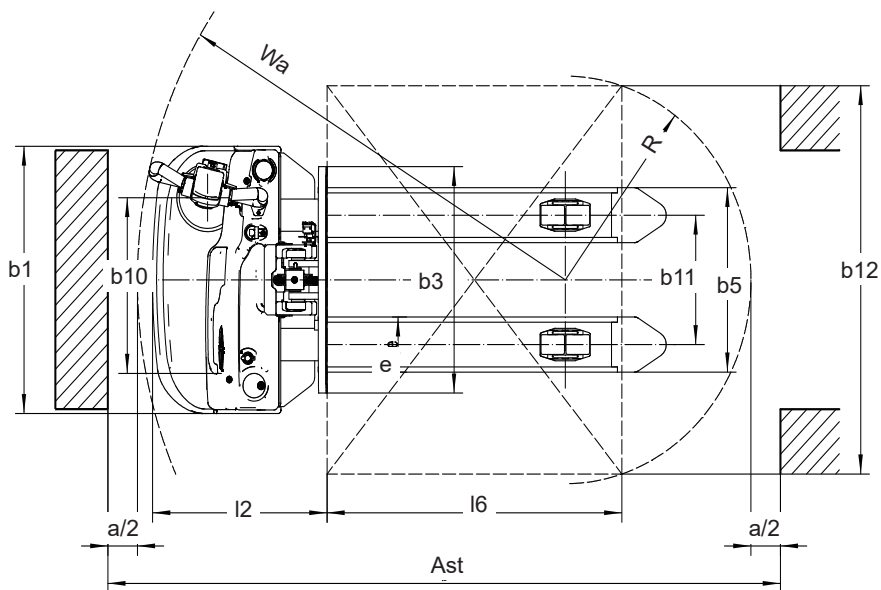
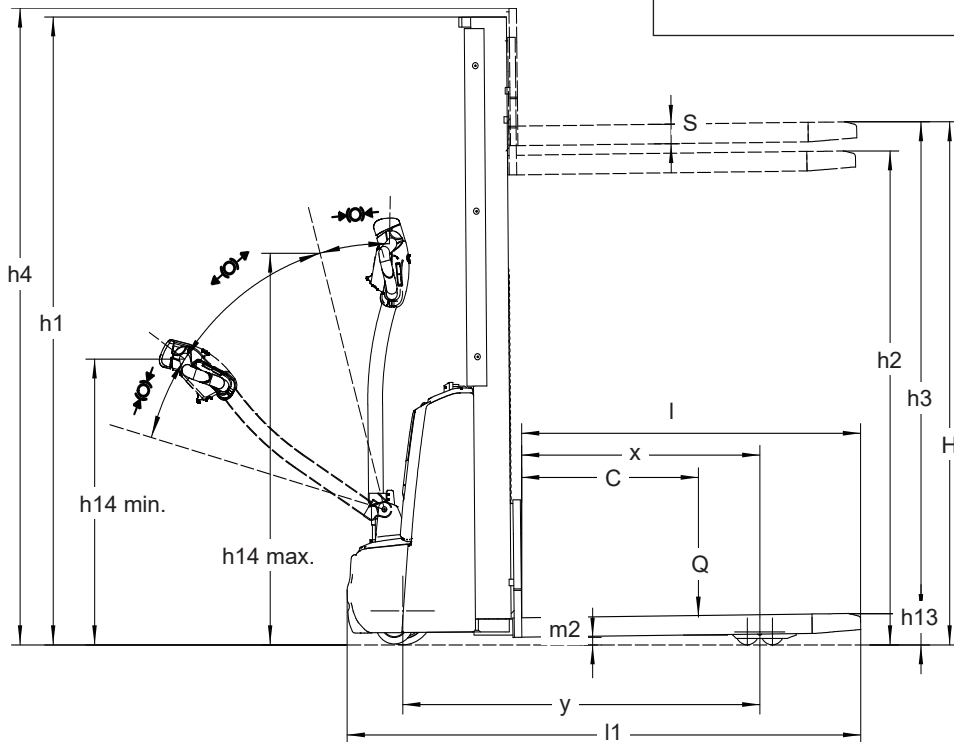
## WS12M

$$R = \sqrt{(l_6 - x)^2 + \left(\frac{b_{12}}{2}\right)^2}$$

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

$$A_{st} = W_a + R + \alpha \text{ if } R_h < W_a$$

$$A_{st} = R_h + R + \alpha \text{ if } R_h > W_a$$



# FEATURES & EQUIPMENT EXTRAS



		WS12	WS12M
General	Traction wheel (Polyurethane)	•	•
	Profiled traction wheel	X	X
	Tandem load wheel (Polyurethane)	•	•
	Automatic lift stop (at max. lift)	•	•
	USB-connector	•	•
Drive and battery	Bloc batteries GEL (88 Ah)	•	•
	Lithium-Ion-Battery (100 Ah)	X	X
	Integrated charger	•	•
	Battery discharge indicator	•	•
Safety	Key activation	•	•
	Mast safety guard: Plexiglas mast screen	•	•
	Push button for operation with vertical tiller	•	•
	Automatic parking brake	•	•
	Comfort and safety tiller	•	•

• = Standard Equipment

x = Option

- = Not available

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Dealer

Valid for Lot-Nr.

WS12: 8332

WS12M: 8333

08/2024