ES14-14WA

ELECTRIC STACKER 1.4T

1400 kg | 5500 mm | 24 V Lead Acid

The ES-WA Series is designed for warehouses, logistics hubs, and distribution centers that require reliable and heavy-duty stackers for medium-to-high racking. With chassis width of just 800 mm and a turning radius as low as 1463 mm, they perform efficiently in confined spaces. Long tiller design ensures safer and more comfortable operation, while proportional lift system (optional) allows smooth and precise load handling.

SPECIFICATION	REF	UNIT	VALUE
Manufacturer			EP
Model designation			ES14-14WA
Battery voltage		V	24
Rated capacity	Q	kg	1400
Load centre distance	c	mm	600
Service weight		kg	1050
Height, mast lowered	h_1	mm	2030
Lift	h_3	mm	2912
Height, mast extended	h_4	mm	3465
Overall length	l_1	mm	1940
Overall width	b_1/b_2	mm	800
Length to face of forks	l_2	mm	790
Fork dimensions	s/e/l	mm	60x190x1150
Turning radius	Wa	mm	1589
Drive			Electric
Operator type			Pedestrian

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Features

Strong and durable build

Equipped with an innovative AC system, high-strength gearbox, and robust hydraulic unit, the ES-WA Series ensures long service life and reliable performance in intensive warehouse environments.

Safe and ergonomic operation

Safety features include emergency reverse button, anti-rollback brake, multiple lifting limit protections, and automatic speed reduction at height. The long tiller design improves visibility and operator comfort.

Flexible mast and battery options

With lift heights ranging from 2.5 m to 5.5 m and battery capacities up to 230Ah, the ES-WA Series adapts to diverse warehouse requirements, from light to heavy-duty stacking cycles.

Efficient and precise load handling

Two-speed lowering and optional proportional lift system give operators greater stability and accuracy when stacking at high levels, ensuring safe and efficient pallet placement.

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VDI Chart

	SPECIFICATION	REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			ES14-14WA
1.3	Drive			Electric
1.4	Operator type			Pedestrian
1.5	Rated capacity	Q	kg	1400
1.6	Load centre distance	c	mm	600
1.8	Load distance, centre of drive axle to fork	x	mm	693
1.9	Wheelbase	y	mm	1305
2.1	Service weight		kg	1050
2.2	Axle loading, laden front/rear		kg	755/1695
2.3	Axle loading, unladen front/rear		kg	715/335
3.1	Tyres			Polyurethane
3.2	Tyre size, front		mm	Φ230x75
3.3	Tyre size, rear		mm	Φ85x70
3.4	Additional wheels (castor wheels)		mm	Φ130x55
3.5	Wheels, number front/rear (x=drive wheels)			1x +1/4
3.6	Tread width, front	b_{10}	mm	538
3.7	Tread width, rear	b_{11}	mm	360/495
4.2	Height, mast lowered	h_1	mm	2030
4.3	Free lift	h_2	mm	100
4.4	Lift	h_3	mm	2912
4.5	Height, mast extended	h_4	mm	3465
4.9	Height drawbar in driving position min./max.	h_{14}	mm	715/1200
4.15	Height, lowered	h_{13}	mm	90
4.18	Width of loading surface			190
4.19	Overall length	l_1	mm	1940
4.20	Length to face of forks	l_2	mm	790
4.21	Overall width	b_1/b_2	mm	800
4.22	Fork dimensions	s/e/l	mm	60x190x1150
4.25	Distance between fork-arms	b_5	mm	550/685
4.32	Ground clearance, centre of wheelbase	m_2	mm	30

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	SPECIFICATION	REF	UNIT	VALUE
4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	2465
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2440
4.35	Turning radius	Wa	mm	1589
5.1	Travel speed, laden/unladen		km/h	5.0/5.5
5.2	Lift speed, laden/unladen		m/s	0.13/0.16
5.3	Lowering speed, laden/unladen		m/s	0.22/0.13
5.8	Max. gradeability, laden/unladen		%	8/16
5.10	Service brake			Electromagnetic
5.11	Parking brake			Electromagnetic
6.1	Drive motor rating S2 60 min		kW	1.6
6.2	Lift motor rating at S3 15%		kW	3.0
6.4.1	Battery voltage		V	24
6.4.2	Battery nominal capacity K5		Ah	210
6.4.3	Battery type			Lead Acid
6.5	Battery weight		kg	190
8.1	Type of drive unit			AC
10.5	Steering design			Mechanical
10.7	Sound pressure level at the driver's seat		dB(A)	74

Subject to modification of specifications and designs without prior notice as part of continuous product improvement. Images and technical data shown may include optional features and are provided for reference only. All dimensions are subject to standard manufacturing tolerances.

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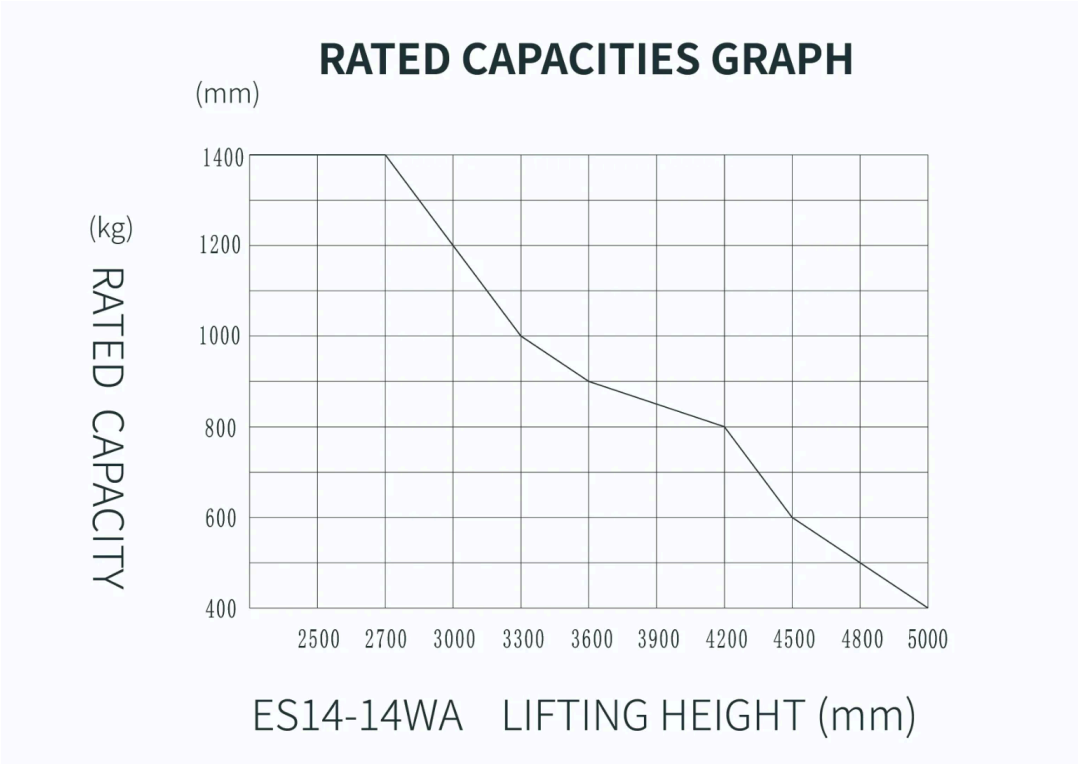
VDI Drawing



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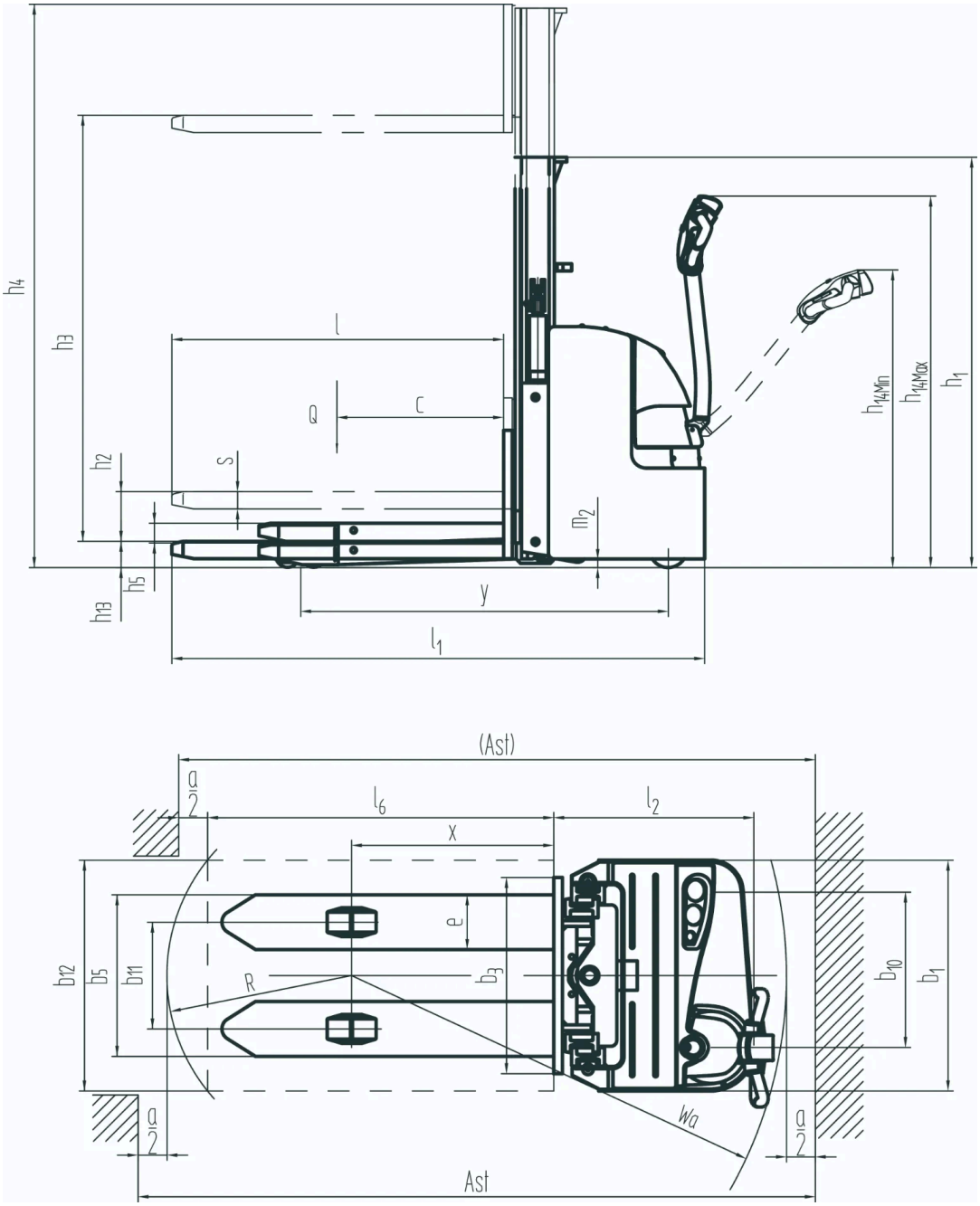

Mast Options

MAST TYPE	LIFT HEIGHT (H3, MM)	MAST LOWERED HEIGHT (H1, MM)	MAST EXTENDED HEIGHT, NO BACKREST (H4, MM)	FREE LIFT HEIGHT, NO BACKREST (H2, MM)
2-Standard Mast	2500	1770	2965	100
2-Standard Mast	2700	1870	3165	100
2-Standard Mast	3000	2020	3465	100
2-Standard Mast2-Standard Mast	3300	2170	3765	100
2-Standard Mast	3600	2320	4065	100

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MAST TYPE	LIFT HEIGHT (H3, MM)	MAST LOWERED HEIGHT (H1, MM)	MAST EXTENDED HEIGHT, NO BACKREST (H4, MM)	FREE LIFT HEIGHT, NO BACKREST (H2, MM)
2-Standard Mast	3900	2470	4365	100
2-Free Mast	-	-	-	-
2-Free Mast	-	-	-	-
2-Free Mast	-	-	-	-
3-Free Mast	4000	1830	4470	1390
3-Free Mast	4500	2030	4970	1590
3-Free Mast	4800	2130	5270	1690
3-Free Mast	5000	2195	5470	1740
3-Free Mast	5500	2360	5970	1910

Options

ITEM	OPTIONS (optional items marked in yellow)
Fork lowered height	90
Load wheel type	Double
Load wheel material	PU
Drive wheel material	PU | Trace PU
Battery capacity	210Ah
Charger	24V-30A external
Battery indicator	With time
Fork length	1150 | 1220
Fork width	550 | 685

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