






ES14-14WA

ELECTRIC STACKER 1.4T

 1400 kg  5500 mm  24 V Lead Acid/Li-ion



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
Battery type			Lead Acid/Li-ion
Battery nominal capacity		Ah	210
Battery voltage		V	24
Load capacity	Q	kg	1400
Load centre distance	c	mm	600
Service weight		kg	1050
Retracted mast height	h_1	mm	2030
Lift height	h_3	mm	2912
Height, mast extended	h_4	mm	3420
Overall length		mm	1940
Overall width	b_1/b_2	mm	800
Length to face of forks	l2	mm	790
Fork dimensions	s/e/l	mm	60x170x1150
Turning radius		Wa	1589
Operator type			Pedestrian
Load distance, centre of drive axle to fork		mm	693

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.





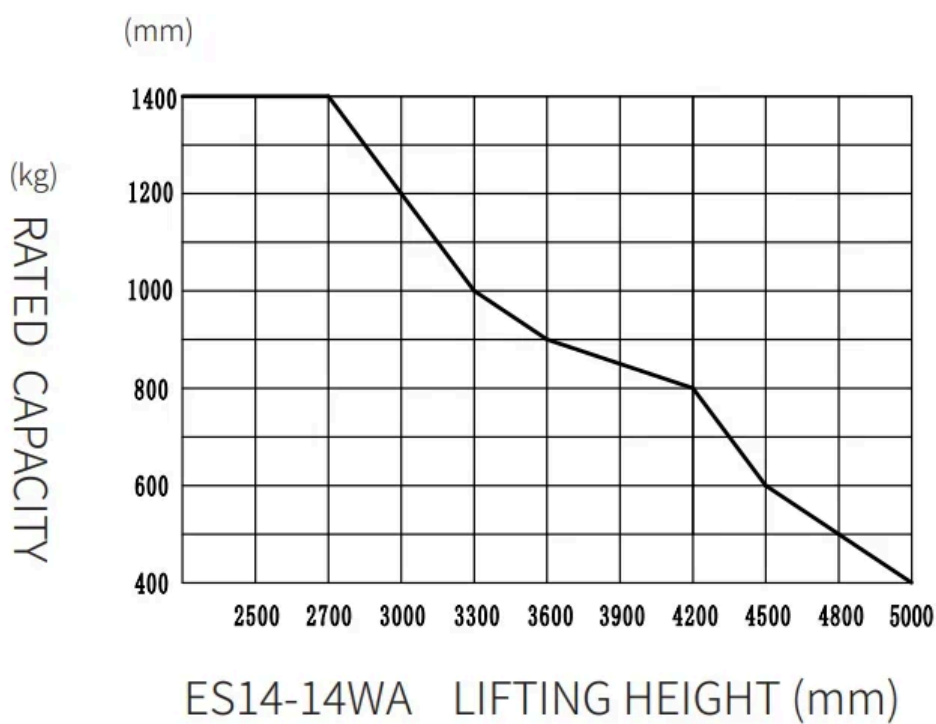
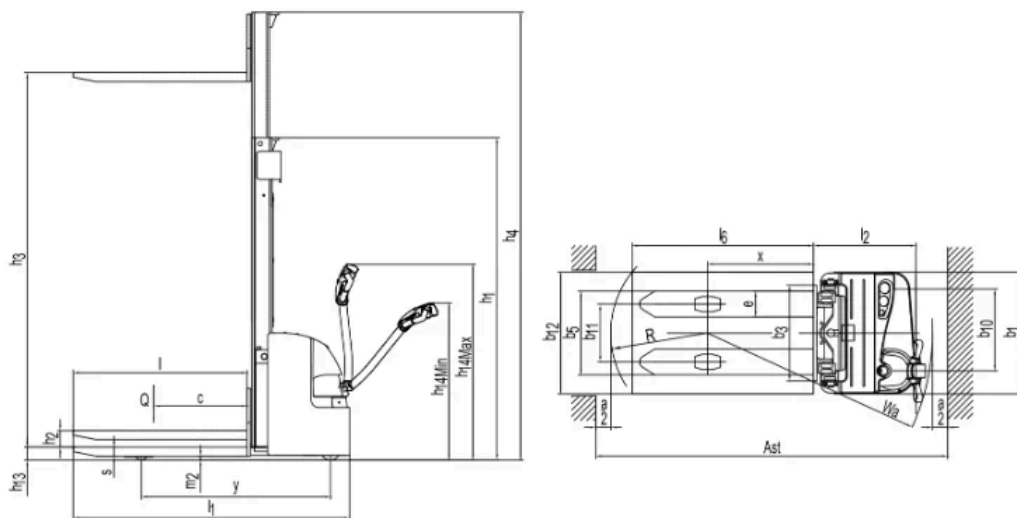
Efficient and precise load handling

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.

VDI Chart

	SPECIFICATION	REF	UNIT	VALUE
1.4	Operator type			Pedestrian
1.5	Load capacity	Q	kg	1400
1.6	Load centre distance	c	mm	600
1.8	Load distance, centre of drive axle to fork		mm	693
1.9	Wheelbase		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	Tyre type			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
3.6.1	Tread width, front	b ₁₀	mm	538
3.7.1	Tread width, rear	b ₁₁	mm	360/495
4.0	Max lift height	H	mm	5500
4.15	Lowered height			88
4.19	Overall length		mm	1940
4.2	Retracted mast height	h ₁	mm	2030
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	60x170x1150
4.24	Fork carriage width		mm	-
4.25	Distance between fork-arms			550/685

SPECIFICATION	REF	UNIT	VALUE	
4.26	Distance between wheel arms/loading surfaces		-	
4.3	Free lift	mm	100	
4.31	Ground clearance, laden, below mast	mm	-	
4.32	Ground clearance, centre of wheelbase	mm	30	
4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	2465	
4.34.2	Aisle width for pallets 800×1200 lengthways	Ast	2440	
4.35	Turning radius	Wa	1589	
4.4	Lift height	h ₃	mm	2912
4.5	Height, mast extended	h ₄	mm	3420
4.6	Initial lift	mm	-	
4.9	Height of tiller handle in drive position min./max.		715/1200	
5.1	Travel speed, laden/unladen	km/h	5.0/5.5	
5.10	Service brake		Electromagnetic	
5.2	Lifting 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	
6.1	Drive motor rating S2 60 min	kW	1.1	
6.2	Lift motor rating at S3 15%	kW	3.0	
6.4	Battery nominal capacity	Ah	210	
6.4	Battery voltage	V	24	
6.4.1	Battery type		Lead Acid/Li-ion	
6.5	Battery weight	kg	190	
8.1	Type of drive control		AC	
10.5	Steering design		Mechanical	
10.7	Sound pressure level at the drivers ear	dB(A)	74	



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

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	3000	2020	3465	100
2-Standard Mast	3300	2170	3765	100
2-Standard Mast	3600	2320	4065	100
2-Standard Mast	3900	2470	4365	100
2-Free Mast	-	-	-	-
2-Free Mast	-	-	--	-
2-Free Mast	-	-	-	-
3-Free Mast	4000	1830	1390	1390
3-Free Mast	4500	2030	1590	1590
3-Free Mast	4800	2130	1690	1690
3-Free Mast	5000	2195	1740	1740
3-Free Mast	5500	2360	1910	1910

Options

ITEM	OPTIONS (optional items marked in yellow)
Fork lowered height	88
Load wheel type	Double
Load wheel material	PU
Drive wheel material	PU Trace PU
Battery capacity	210Ah 230Ah
Charger	24V-30A external
Battery display indicator (BDI)	With time
Fork length	1150 1220
Fork width	550 685