



ES12-12WA

ELECTRIC STACKER 1.2T

 1200 kg  4800 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			ES12-12WA
Battery voltage		V	24
Rated capacity	Q	kg	1200
Load centre distance	c	mm	600
Service weight		kg	955
Height, mast lowered	h_1	mm	1970
Lift	h_3	mm	2912
Height, mast extended	h_4	mm	3420
Overall length	l_1	mm	1826
Overall width	b_1/b_2	mm	800
Length to face of forks	l_2	mm	676
Fork dimensions	s/e/l	mm	60x170x1150
Turning radius	Wa	mm	1463
Drive			Electric
Operator type			Pedestrian

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

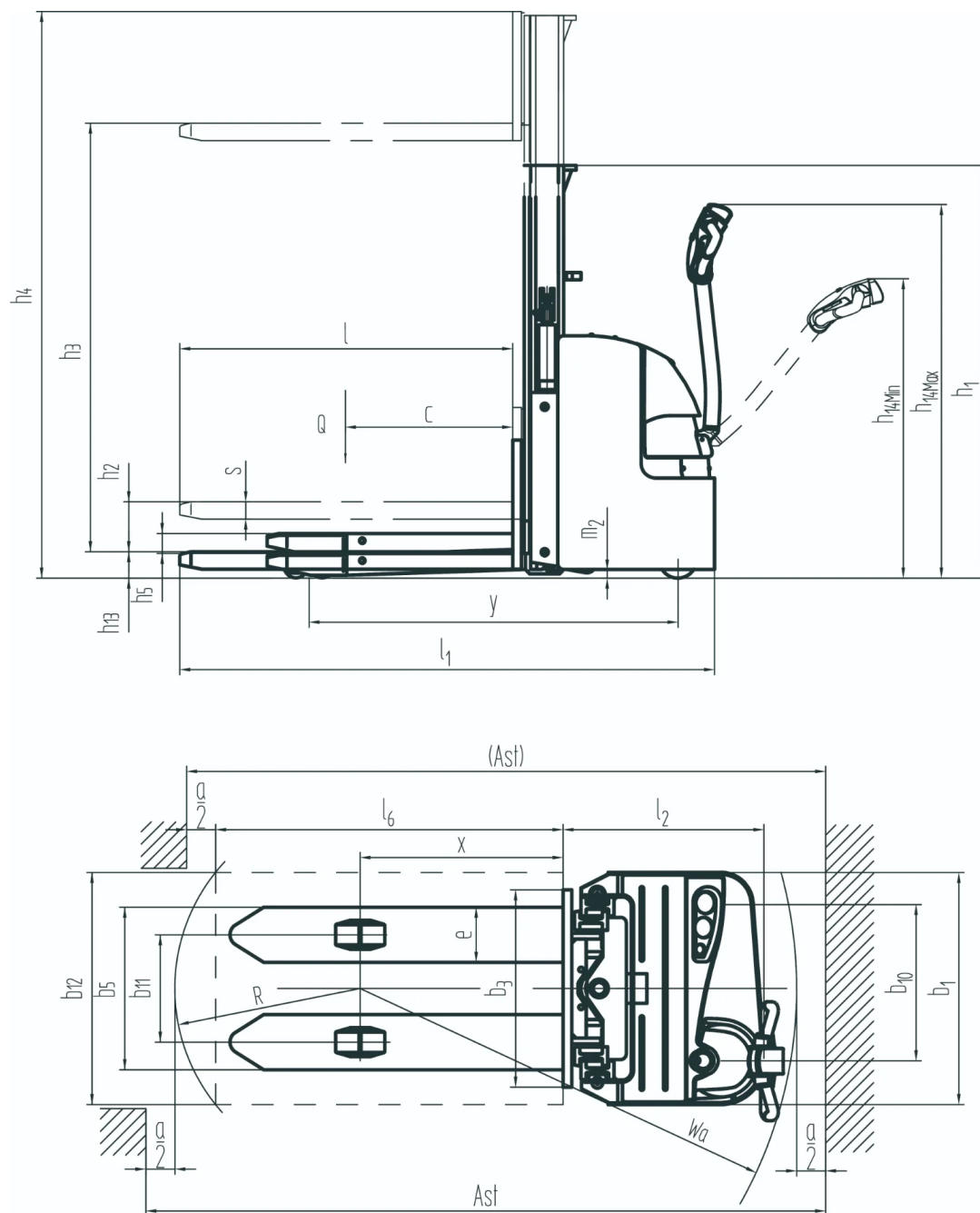
Two-speed lowering and optional proportional lift system give operators greater stability and accuracy when stacking at high levels, ensuring safe and efficient pallet placement.

VDI Chart

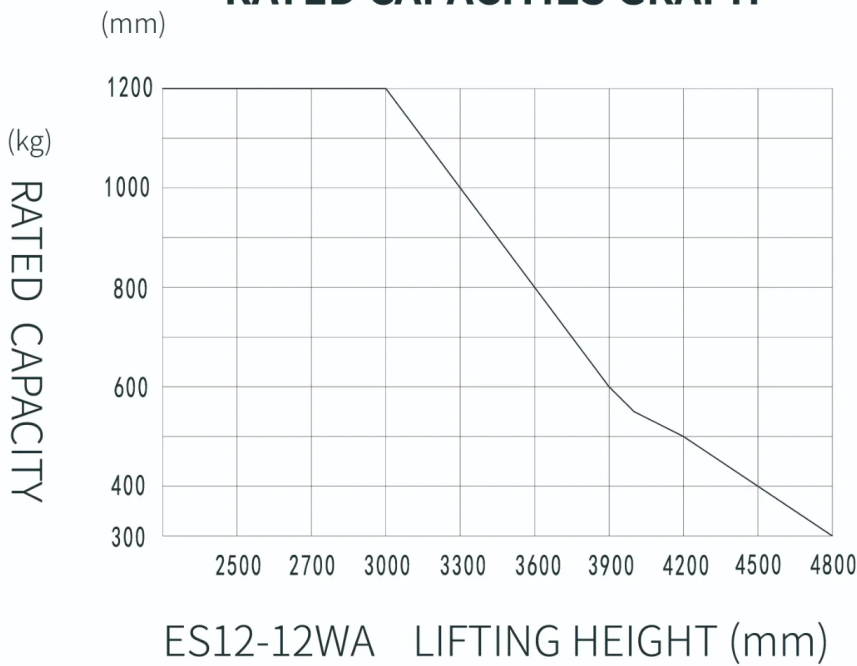
	SPECIFICATION	REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			ES12-12WA
1.3	Drive			Electric
1.4	Operator type			Pedestrian
1.5	Rated capacity	Q	kg	1200
1.6	Load centre distance	c	mm	600
1.8	Load distance, centre of drive axle to fork	x	mm	778
1.9	Wheelbase	y	mm	1315
2.1	Service weight		kg	955
2.2	Axle loading, laden front/rear		kg	715/1440
2.3	Axle loading, unladen front/rear		kg	645/310
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	380/515
4.2	Height, mast lowered	h ₁	mm	1970
4.3	Free lift	h ₂	mm	100
4.4	Lift	h ₃	mm	2912
4.5	Height, mast extended	h ₄	mm	3420
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			170
4.19	Overall length	l ₁	mm	1826
4.20	Length to face of forks	l ₂	mm	676
4.21	Overall width	b ₁ /b ₂	mm	800
4.22	Fork dimensions	s/e/l	mm	60x170x1150
4.25	Distance between fork-arms	b ₅	mm	550/685
4.32	Ground clearance, centre of wheelbase	m ₂	mm	28

SPECIFICATION		REF	UNIT	VALUE
4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	2333
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2303
4.35	Turning radius	Wa	mm	1463
5.1	Travel speed, laden/unladen		km/h	5.0/5.5
5.2	Lift speed, laden/unladen		m/s	0.10/0.16
5.3	Lowering speed, laden/unladen		m/s	0.19/0.18
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	2.2
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.



RATED CAPACITIES GRAPH



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	1720	2900	100
2-Standard Mast	2700	1820	3100	100
2-Standard Mast	3000	1970	3400	100
2-Standard Mast	3300	2120	3700	100
2-Standard Mast	3600	2270	4000	100
2-Standard Mast	3900	2420	4300	100
2-Free Mast	2700	1819	3119	1320
2-Free Mast	3000	1969	3419	1470
2-Free Mast	3300	2119	3719	1620
3-Free Mast	4000	1822	4460	1390
3-Free Mast	4500	2022	4960	1590
3-Free Mast	4800	2122	5260	1690

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