

ES12-12ES

ELECTRIC STACKER 1.2T

 1200 kg  3815 mm  24 V Li-Ion



The ES10-10ES and ES12-12ES are ideal for light-duty stacking in retail stores, workshops, and small warehouses. Their compact design and crawl speed mode make them perfect for operation in confined spaces and narrow aisles. With reinforced chassis, ergonomic tiller design, and low-noise hydraulic system, they deliver a safe and comfortable experience for operators while ensuring reliable daily operation.

SPECIFICATION	REF	UNIT	VALUE
Battery type			Li-Ion
Battery nominal capacity		Ah	85
Battery voltage		V	24
Load capacity	Q	kg	1200
Load centre distance	c	mm	600
Service weight		kg	543
Retracted mast height	h ₁	mm	1940
Lift height	h ₃	mm	1510
Height, mast extended	h ₄	mm	2053
Overall length		mm	1570
Overall width	b ₁ /b ₂	mm	1135/1235/1335/1435
Length to face of forks	l ₂	mm	500
Fork dimensions	s/e/l	mm	35/100/1070
Turning radius		Wa	1329
Operator type			Pedestrian
Load distance, centre of drive axle to fork		mm	850

Features

Compact and agile design

With only 800 mm chassis width and a 1408 mm turning radius, the ES-ES Series can easily maneuver in narrow aisles, making it ideal for backroom logistics and small warehouses.



Reliable Li-ion energy

Powered by a 24V/80Ah Li-ion battery and onboard charger, the trucks provide fast, convenient charging and zero maintenance. The digital display with hour meter adds operational transparency.

Strong and safe mast system

Featuring multiple duplex mast options with lift heights up to 3.6 m, the ES-ES Series ensures stability and residual capacity. Safety features include anti-rollback brakes, mast lowering protection, and belly button reversing switch.





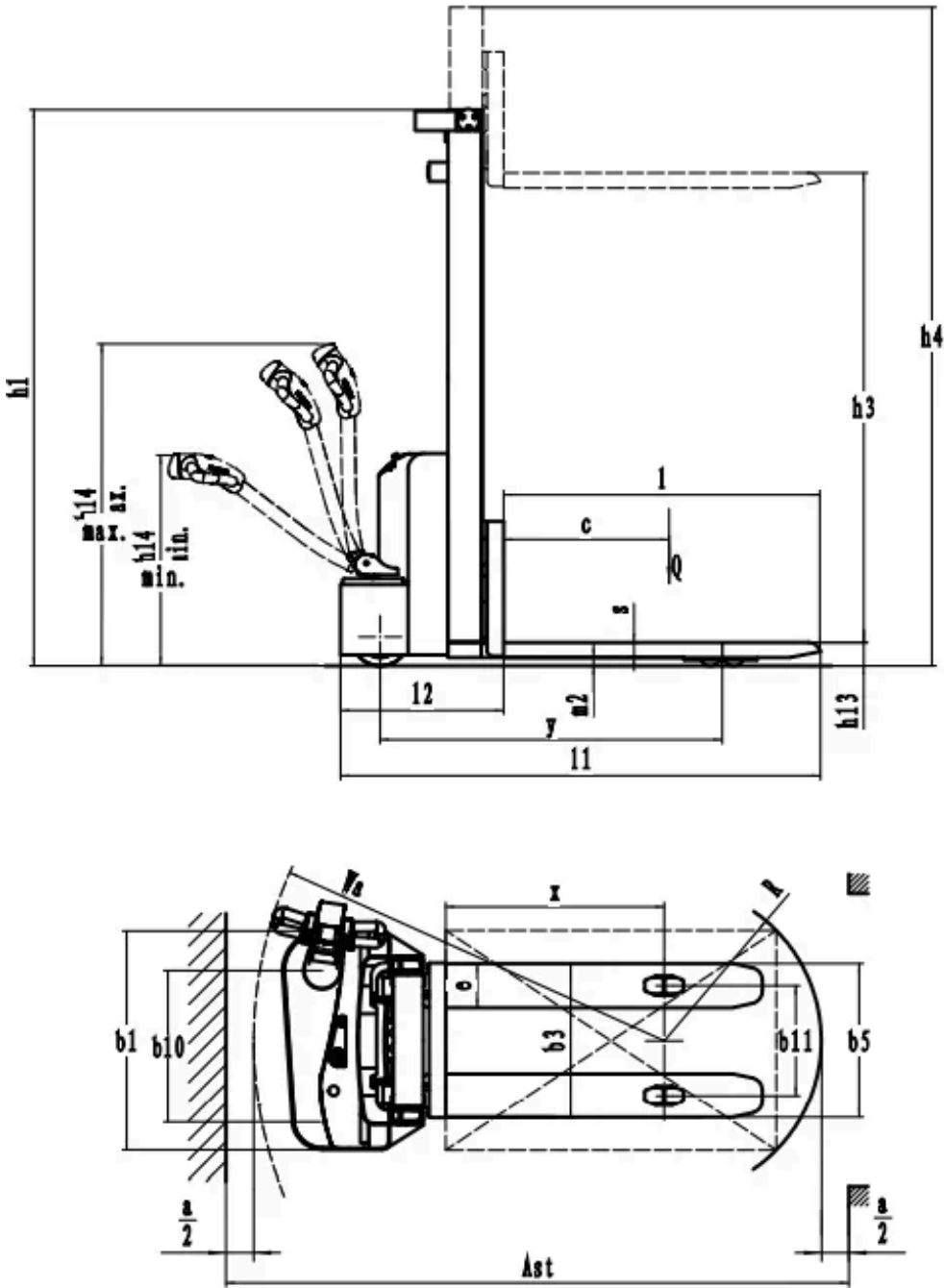
User-friendly and low-maintenance

An ergonomic tiller design with side visibility improves handling, while detachable panels, onboard diagnostics, and a durable hydraulic unit make servicing quick and cost-efficient.

VDI Chart

	SPECIFICATION	REF	UNIT	VALUE
1.4	Operator type			Pedestrian
1.5	Load capacity	Q	kg	1200
1.6	Load centre distance	c	mm	600
1.8	Load distance, centre of drive axle to fork		mm	850
1.9	Wheelbase		mm	1210
2.1	Service weight		kg	543
2.2	Axle loading, laden front/rear		kg	783/960
2.3	Axle loading, unladen front/rear		kg	420/123
3.1	Tyre type			Polyurethane
3.2	Tyre size, front		mm	Φ210x70
3.3	Tyre size, rear		mm	Φ100x50
3.4	Additional wheels (castor wheels)		mm	Φ100x50
3.5	Wheels, number front/rear (x=drive wheels)			1x+ 1/ 4
3.6.1	Tread width, front	b ₁₀	mm	533
3.7.1	Tread width, rear	b ₁₁	mm	1060/1160/1260/1360
4.0	Max lift height	H	mm	3815
4.10	Height of wheel arms		mm	100
4.15	Lowered height			60
4.19	Overall length		mm	1570
4.2	Retracted mast height	h ₁	mm	1940
4.20	Length to face of forks	l ₂	mm	500
4.21	Overall width	b ₁ /b ₂	mm	1135/1235/1335/1435
4.22	Fork dimensions	s/e/l	mm	35/100/1070
4.24	Fork carriage width		mm	780

SPECIFICATION		REF	UNIT	VALUE
4.26	Distance between wheel arms/loading surfaces			100
4.3	Free lift		mm	1407
4.31	Ground clearance, laden, below mast		mm	30
4.32	Ground clearance, centre of wheelbase		mm	40
4.34.1	Aisle width for pallets 1000×1200 crossways		Ast	2175
4.34.2	Aisle width for pallets 800×1200 lengthways		Ast	2000
4.35	Turning radius		Wa	1329
4.4	Lift height	h ₃	mm	1510
4.5	Height, mast extended	h ₄	mm	2053
4.9	Height of tiller handle in drive position min./max.			860/1200
5.1	Travel speed, laden/unladen		km/h	4/4.5
5.10	Service brake			Electromagnetic
5.2	Lifting speed, laden/unladen		m/s	0.12/0.22
5.3	Lowering speed, laden/unladen		m/s	0.12/0.11
5.8	Max. gradeability, laden/unladen		%	3/10
6.1	Drive motor rating S2 60 min		kW	0.65
6.2	Lift motor rating at S3 15%		kW	2.2
6.4	Battery nominal capacity		Ah	85
6.4	Battery voltage		V	24
6.4.1	Battery type			Li-Ion
6.5	Battery weight		kg	2x25
8.1	Type of drive control			DC
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	2515	1772	2991	
2-Standard Mast	2715	1872	3191	
2-Standard Mast	3015	2022	3491	
2-Standard Mast	3315	2172	3791	
1-stage Mast	1205	1575	1595	1100
1-stage Mast	1405	1775	1795	1300
1-stage Mast	1605	1975	1995	1500
1-stage Mast	1705	2075	2095	1600
2-Standard Mast	2015	1656	2521	
2-Standard Mast	2515	1806	3021	
2-Standard Mast	2715	1906	3221	
2-Standard Mast	3015	2056	3521	
2-Standard Mast	3315	2206	3821	
2-Standard Mast	3615	2356	4121	
2-Standard Mast	3815	2456	4321	

Options

ITEM	OPTIONS (optional items marked in yellow)
Fork dimension	570*1150 570*1220 570*1000 570*1070 570*1300 685*1150 685*1220 685*1000 685*1070 685*1300
Fork carriage width option	680 800
Load wheel type	Double
Handle head type	Hands big handle head
Load wheel material	PU
Drive wheel material	PU Trace PU
Battery capacity	105Ah 125Ah 80Ah (Li-ion)
Charger	24V-10A internal 24V-15A internal 24V-30A internal (Li-ion)
Battery display indicator (BDI)	With time
Rearview mirror	No Yes and not customized
Castor wheels	Yes and not customized
Fork width	685mm/600mm
Mast screen	Organic glass