

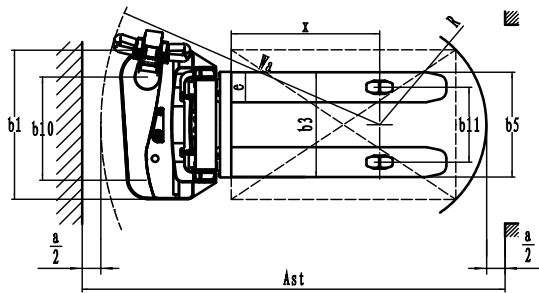
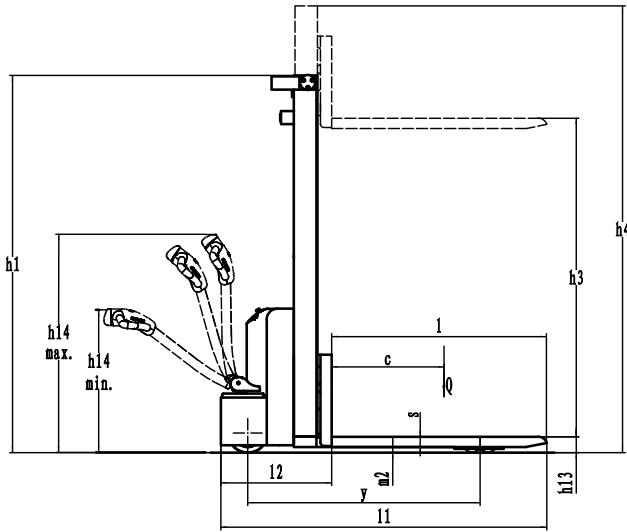
Electric Stacker 1.0/1.2t

ES10-10ES/ES12-12ES

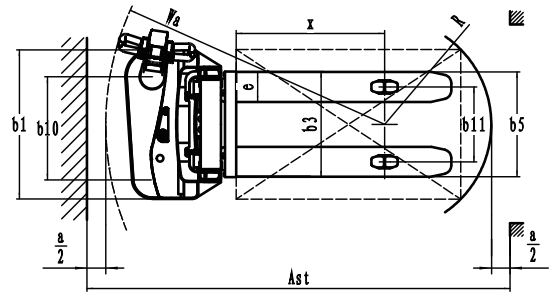
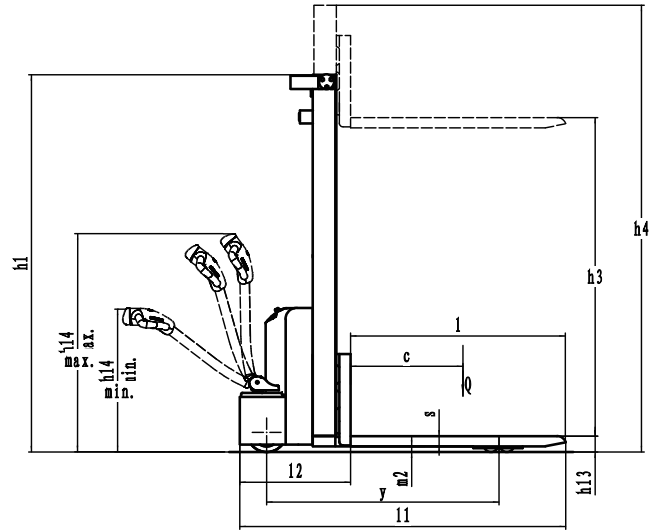
Distinguishing mark	1.1	Manufacturer			EP	EP
	1.2	Model designation			ES10-10ES	ES12-12ES
	1.3	Drive			Electric	Electric
	1.4	Operator type			Pedestrian	Pedestrian
	1.5	Load capacity	Q	kg	1000	1200
	1.6	Load center distance	c	mm	600	600
	1.8	Load distance, centre of drive axle to fork	x	mm	795	795
	1.9	Wheelbase	y	mm	1240	1240
	Service weight	2.1	Service weight		kg	540
2.2		Axle loading, laden front/rear		kg	640/852	845/1016
2.3		Axle loading, unladen front/rear		kg	419/121	536/125
Tyres/chassis	3.1	Tyre type			Polyurethane	Polyurethane
	3.2.1	Tyre size, front		mm	Φ210x70	Φ210x70
	3.3.1	Tyre size, rear		mm	Φ80x60	Φ80x60
	3.4	Additional wheels (castor wheels)		mm	Φ130x55	Φ130x55
	3.5	Wheels, number front/rear (x=drive wheels)		mm	1x+ 1/ 4	1x+ 1/ 4
	3.6.1	Tread width, front	b10	mm	533	533
	3.7.1	Tread width, rear	b11	mm	400	400
Dimensions	4.0	Max. Lift Height	H	mm	3015	3015
	4.2	Retracted mast height	h1	mm	2026	2056
	4.3	Free lift	h2	mm	—	—
	4.4	Lift height	h3	mm	2927	2927
	4.5	Height, mast extended	h4	mm	3491	3521
	4.6	Initial lift	h5	mm	—	—
	4.9	Height of tiller handle in drive position min./max.	h14	mm	860/ 1200	860/ 1200
	4.10	Height of wheel arms	h8	mm	—	—
	4.15	Lowered height	h13	mm	88	88
	4.19	Overall length	l1	mm	1740	1740
	4.20	Length to face of forks	l2	mm	590	590
	4.21	Overall width	b1/b2	mm	800	800
	4.22	Fork dimensions	s/e/l	mm	55/160/1150	60/ 170/ 1150
	4.24	Fork carriage width	b3	mm	600	680
	4.25	Distance between fork-arms	b5	mm	560	570
	4.26	Distance between wheel arms/loading surfaces	b4	mm	—	—
	Performance data	4.31	Ground clearance, laden, below mast	m1	mm	—
4.32		Ground clearance, center of wheelbase	m2	mm	30	30
4.34.1		Aisle width for pallets 1000×1200 crossways	Ast	mm	2225	2225
4.34.2		Aisle width for pallets 800×1200 crossways	Ast	mm	2150	2150
4.35		Turning radius	Wa	mm	1408	1408
5.1		Travel speed, laden/unladen		km/h	4/4.5	4/4.5
5.2		Lifting speed, laden/unladen		m/s	0.12/ 0.22	0.12/ 0.22
5.3		Lowering speed, laden/unladen		m/s	0.12/ 0.11	0.12/ 0.11
5.8		Max. gradeability, laden/unladen		%	3/ 10	3/ 10
5.10		Service brake			Electromagnetic	Electromagnetic
Electric-engine	6.1	Drive motor rating S2 60 min		kW	0.65	0.65
	6.2	Lift motor rating at S3 15%		kW	2.2	2.2
	6.4	Battery voltage/nominal capacity		V/Ah	2x12/105	2x12/105
	6.5	Battery weight		kg	2x30	2x30
Addition data	8.1	Type of drive control			DC	DC
	10.5	Steering design			Mechanical	Mechanical
	10.7	Sound pressure level at the driver's ear		dB(A)	74	74

If there are improvements of technical parameters or configurations, no further notice will be given.
The diagram shown may contain non-standard configurations.

ES10-10ES



ES12-12ES



Mast Option

ES10-10ES/ES12-12ES

Mast types	Lift height h3+h13 (mm)	Height, mast lowered h1 (mm)	Free lift h2 (mm)	Height, mast extended h4 (mm)
2-Standard Mast	2515	1772	—	2991
	2715	1872	—	3191
	3015	2022	—	3491
	3315	2172	—	3791

Mast types	Lift height h3+h13 (mm)	Height, mast lowered h1 (mm)	Free lift h2 (mm)	Height, mast extended h4 (mm)
2-Standard Mast	1205	1575	1120	1575
	1405	1775	1320	1775
	1605	1975	1520	1975
	1705	2075	1705	2075
	2515	1806	—	3021
	2715	1906	—	3221
	3015	2056	—	3521
	3315	2206	—	3821
	3615	2356	—	4121

ES10-10MM/ES12-12MM

Mast types	Lift height h3+h13 (mm)	Height, mast lowered h1 (mm)	Free lift h2 (mm)	Height, mast extended h4 (mm)
2-Standard Mast	1605	1940	1387	2053
	1955	2290	1737	2403

Option

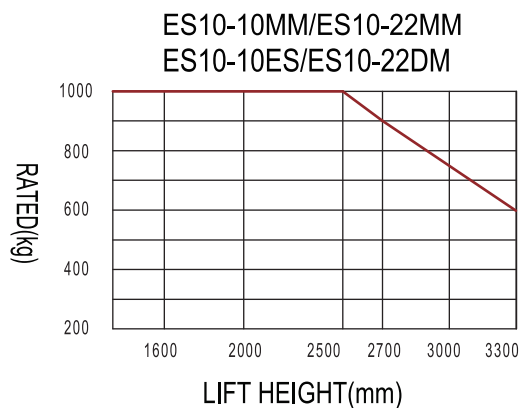
No.	Optional items	ES10-10ES	ES12-12ES
1.1	Fork length	●1150/1220○1000	●1150/1220○1000
1.2	Fork width	●560○685○600	●570○685○600
1.3	Fork lowered height	●88	●88
1.4	Fork carriage width	●600	●800
2.1	Load wheel type	●Double	●Double
2.2	Load wheel material	●PU	●PU
2.3	Drive wheel material	●PU○Trace PU	●PU○Trace PU
2.7	Battery capacity	●105AH○125AH	●105AH○125AH
2.8	Charger	●24V-10A Inside○24V-15A Inside	●24V-10A Inside○24V-15A Inside
2.9	Battery indicator	●With time	●With time
3.2	Fork carriage	●No	●No
3.3	Castor wheels	●Yes and not customized	●Yes and not customized
3.11	Rearview mirror	●No○Yes	●No○Yes
3.16	Vertical handler working	●No○Yes	●No○Yes
4.7	Overhead guard	●No	●No

Note: ●Standard ○Optional - Inconformity

No.	Optional items	ES10-10MM	ES12-12MM
1.1	Fork length	●1150/1220○1000	●1150/1220○1000
1.2	Fork width	●550○685	●550○685
1.3	Fork lowered height	●88	●88
1.4	Fork carriage width	●680	●680
2.1	Load wheel type	●Double	●Double
2.2	Load wheel material	●PU	●PU
2.3	Drive wheel material	●PU○Trace PU	●PU○Trace PU
2.7	Battery capacity	●85AH	●85AH
2.8	Charger	●24V-10A Inside○24V-15A Inside	●24V-10A Inside○24V-15A Inside
2.9	Battery indicator	●With time	●With time
3.2	Fork carriage	●No	●No
3.3	Castor wheels	●Yes and not customized	●Yes and not customized
3.11	Rearview mirror	●No○Yes	●No○Yes
3.16	Vertical handler working	●No○Yes	●No○Yes
4.7	Overhead guard	●No	●No

Note: ●Standard ○Optional - Inconformity

RATED CAPACITIES GRAPH



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