



ES 14-30WA ES 18-40WA Electric Stacker 1.4/1.8t

Straddle Design Improves the Stability of Stacking;
Suitable for Handling and Stacking of Various Non-standardized Pallets.



FEATURE



Performance

- The innovative AC system offers strong power, accurate control, excellent performance.
- High strength vertical gearbox, longer working life.
- Low-noise but durable hydraulic unit, good quality cylinder as well as hose ensure the high reliability of hydraulic system.
- AMP connector and durable electric wires greatly reduce malfunctions of components.
- H shape channel mast improves the strength of the whole truck.
- Staddle design ensures the stability of high lifting.



Safety

- Safe hydraulic system design prevents mast from falling down abruptly when hydraulic pipeline cuts off.
- Emergency reverse belly button protects the operator from getting hurt.
- Emergency disconnecter will cut off power source to avoid accident when truck goes out of control.
- Multiple lifting limit protection ensures safety.
- Automatic switch to lower speed when the fork reaches its setting height.
- Anti-rolling back brake keeps the truck from skidding down when truck is out of control or travelling on ramp.
- Long operational tiller ensures safety distance for operators.

Operation

- With the new design of ergonomical tiller head, all buttons can be reached conveniently & comfortably.
- Long tiller reduces the steering force greatly.
- Adjustable forks, suitable for complicated pallets or cargos.
- Creep speed function: when tiller is in near vertical position, the driving speed will decrease automatically, allowing delicate operation in confined space.
- Side-open battery design for easy battery replacement and various applications.

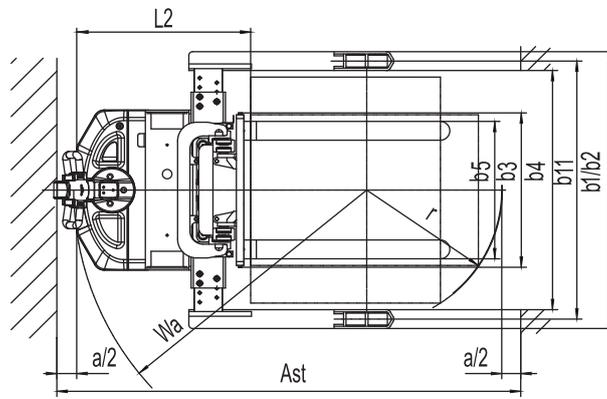
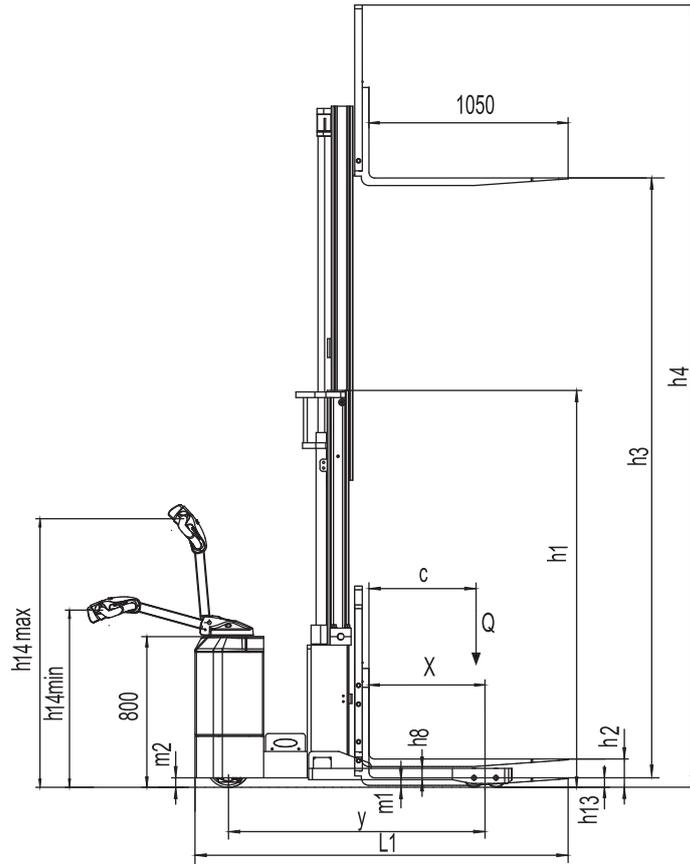
Maintenance

- AC traction motor, maintenance free.
- Hour meter and battery indicator remind the operator of battery charging.
- Easily remove the back cover by only loosening four bolts; Access to all key components for inspection, maintenance and replacement.
- Vertical motor makes the inspection & service much more convenient.
- Control system allows easy trouble-shooting.
- Mast and chassis are assembled together, easy for maintenance.
- Low voltage cut off setting protects batteries.

Electric Stacker 1.4/1.8t ES14-30WA/ES18-40WA

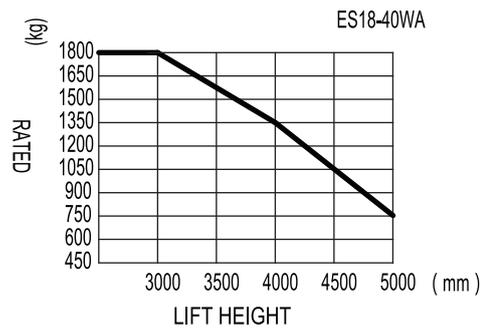
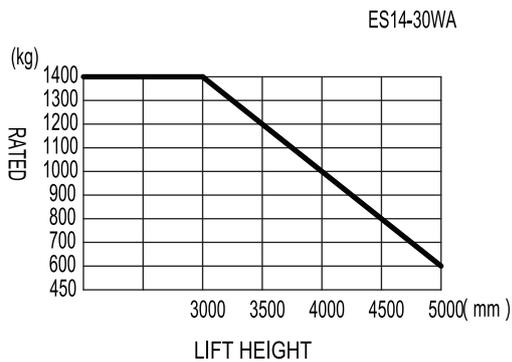
Distinguishing mark	1.1	Manufacturer			EP	EP	
	1.2	Model designation			ES14-30WA	ES18-40WA	
	1.3	Drive			Electric	Electric	
	1.4	Operator type			Pedestrian	Pedestrian	
	1.5	Load capacity	Q	kg	1400	1800	
	1.6	Load center distance	c	mm	600	600	
	1.8	Load distance, centre of drive axle to fork	x	mm	610	610	
	1.9	Wheelbase	y	mm	1350	1455	
	Service weight	2.1	Service weight		kg	1320	1520
2.2		Axle loading, laden front/rear		kg	815/1905	945/2375	
2.3		Axle loading, unladen front/rear		kg	805/515	925/595	
Tyres/chassis	3.1	Tyre type			Polyurethane	Polyurethane	
	3.2.1	Tyre size, front		mm	Φ230x75	Φ230x75	
	3.3.1	Tyre size, rear		mm	Φ102x73	Φ102x73	
	3.4	Additional wheels (caster wheels)		mm	Φ85x48	Φ102x63.5	
	3.5	Wheels, number front/rear (x=drive wheels)		mm	1x+2/4	1x+2/4	
	3.6.1	Tread width, front	b10	mm	580	580	
	3.7.1	Tread width, rear	b11	mm	1170/1270/1370	1170/1270/1370	
Dimensions	4.0	Max. Lift Height	H	mm	3200	3200	
	4.2	Retracted mast height	h1	mm	2118	2118	
	4.3	Free lift	h2	mm	150	150	
	4.4	Lift height	h3	mm	3140	3135	
	4.5	Height, mast extended	h4	mm	4115	4115	
	4.6	Initial lift	h5	mm	—	—	
	4.9	Height of tiller handle in drive position min./max.	h14	mm	990/1500	990/1500	
	4.10	Height of wheel arms	h8	mm	100	100	
	4.15	Lowered height	h13	mm	60	65	
	4.19	Overall length	l1	mm	1987	2092	
	4.20	Length to face of forks	l2	mm	917	1022	
	4.21	Overall width	b1/b2	mm	1270/1370/1470	1270/1370/1470	
	4.22	Fork dimensions	s/e/l	mm	40/100/1070	45/100/1070	
	4.24	Fork carriage width	b3	mm	800	800	
	4.25	Distance between fork-arms	b5	mm	200-760	200-760	
	4.26	Distance between wheel arms/loading surfaces	b4	mm	1070/1170/1270	1070/1170/1270	
	4.31	Ground clearance, laden, below mast	m1	mm	81	81	
	4.32	Ground clearance, center of wheelbase	m2	mm	50	50	
	Performance data	4.34.1	Aisle width for pallets 1000x1200 crossways	Ast	mm	2460	2560
4.34.2		Aisle width for pallets 800x1200 crossways	Ast	mm	2460	2560	
4.35		Turning radius	Wa	mm	1545	1645	
5.1		Travel speed, laden/unladen		km/h	5.5/6.0	4.5/ 5.0	
5.2		Lifting speed, laden/unladen		m/s	0.127/0.23	0.127/0.23	
5.3		Lowering speed, laden/unladen		m/s	0.26/0.20	0.26/0.20	
5.8		Max. gradeability, laden/unladen		%	8/10	6/10	
5.10		Service brake			Electromagnetic	Electromagnetic	
Electric-engine		6.1	Drive motor rating S2 60 min		kW	1.1	1.1
		6.2	Lift motor rating at S3 15%		kW	3.0	3.0
	6.4	Battery voltage/nominal capacity		V/Ah	24/210	24/280	
	6.5	Battery weight		kg	190	250	
	Addition data	8.1	Type of drive control			AC	AC
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.



RATED CAPACITIES GRAPH

RATED CAPACITIES GRAPH



Mast Option

Mast types	Lift height h3+h13 (mm)	Height, mast lowered h1 (mm)	Free lift h2 (mm)	Height, mast extended h4 (mm)
2-Standard Mast	2640	1838	150	3555
	3000	2018	150	3915
	3200	2118	150	4115
	3590	2303	150	4505
2-Free Mast	—	—	—	—
	—	—	—	—
3-Free Mast	4000	1822	907	4915
	4500	2022	1107	5415
	4800	2122	1207	5715
	5000	2187	1272	5915

Option

No.	Optional items	ES14-30WA	ES18-40WA
1.1	Fork length	●1070	●1070
1.2	Fork width	●200-760	●200-760
1.3	Fork lowered height	●60	●65
1.4	Fork carriage width	●800	●800
1.5	Fork carriage height	●915mm	●915mm
2.1	Load wheel type	●Double	●Double
2.2	Load wheel material	●PU	●PU
2.3	Drive wheel material	●PU○Trace PU○Rubber	●PU○Trace PU○Rubber
2.7	Battery capacity	●224Ah	●224Ah
2.8	Charger	●24V-25A Internal	●24V-25A Internal
2.9	Battery indicator	●With time	●With time
2.11	Attachments	○External shifter	○External shifter
3.2	Fork carriage	●	●
3.3	Castor wheels	●	●
3.4	Water auto-filling system	-	-
3.16	Vertical handler working	○	○
4.1	Battery side pull function	○	○
4.2	Cold storage	○	○
4.5	Proportional lift system	●	●
Note: ●Standard ○ Optional - Inconformity			



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