



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

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

EP EQUIPMENT CO.,LTD  
[www.ep-ep.com](http://www.ep-ep.com)



## 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

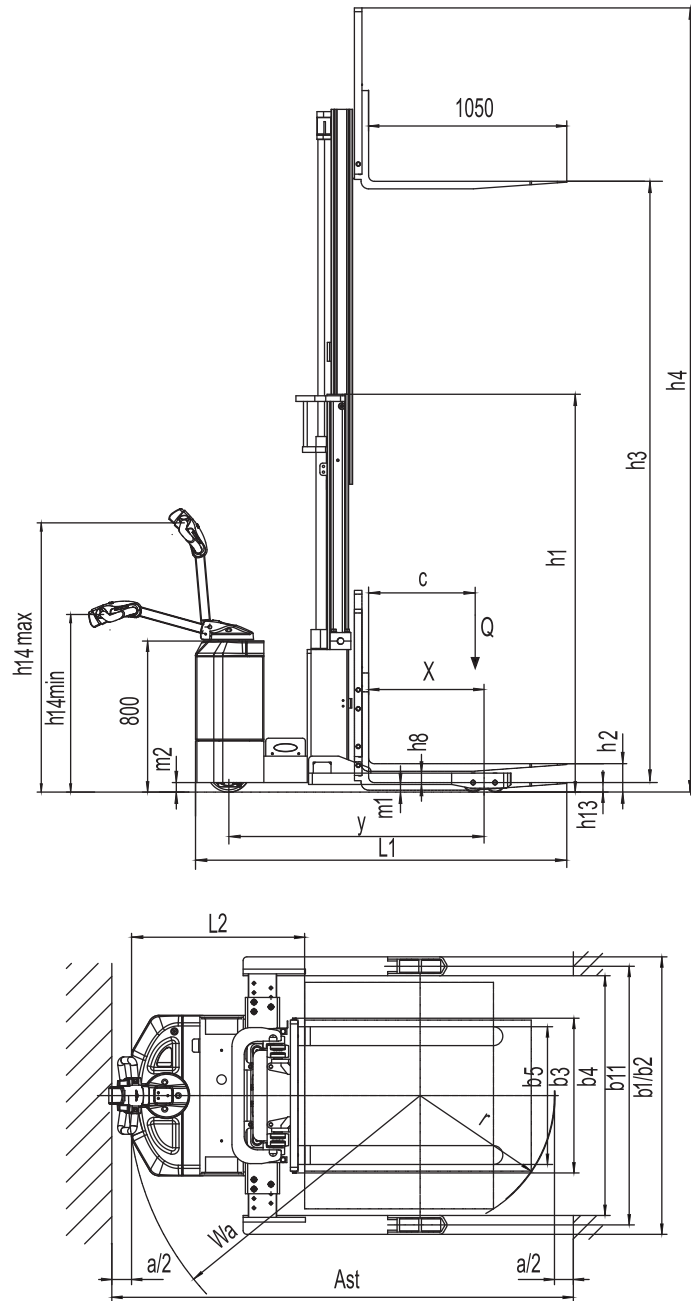
- AC traction motor, maintenance free.
- Hour meter and battery indicator remind the operator of battery charging.
- Easily remove the back cover by only losing four bolts; Access to all key components for inspection, maintenance and replacement.
- Vertical motor makes the inspection & service much more 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

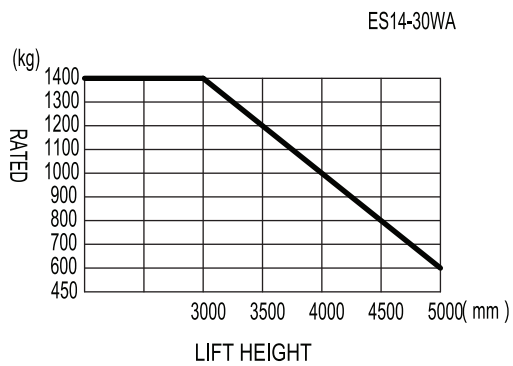
## ES14-30WA/ES18-40WA

Distinguishing mark					
1.1	Manufacturer			EP	EP
1.2	Model designation			ES14-30WA	ES18-40WA
1.3	Drive unit			Electrics	Electrics
1.4	Operator type			pedestrian	pedestrian
1.5	rated 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
Weight					
2.1	Service weight (include battery)		kg	1320	1520
2.2	Axle loading, laden driving side/loading side		kg	815/1905	945/2375
2.3	Axle loading, unladen driving side/loading side		kg	805/515	925/595
Types,Chassis					
3.1	Tyre type Driving wheels/Loading wheels			PU/PU	PU/PU
3.2	Tyre size, driving wheels (diameter×width)		mm	Φ230×75	Φ230×75
3.3	Tyre size, loading wheels (diameter×width)		mm	Φ102×73	Φ102×73
3.4	Tyre size, caster wheels (diameter×width)		mm	Φ85×48	Φ102×63.5
3.5	Wheels, number driving, caster/loading (x=drive wheels)		mm	1x+2/4	1x+2/4
3.6	Track width, front,driving side	b <sub>10</sub>	mm	580	580
3.7	Track width,rear,loading side	b <sub>11</sub>	mm	1170/1270/1370	1170/1270/1370
Dimensions					
4.2	Height, mast lowered	h <sub>1</sub>	mm	2118	2118
4.3	Free lift	h <sub>2</sub>	mm	150	150
4.4	Lift height	h <sub>3</sub>	mm	3200	3200
4.5	Height, mast extended	h <sub>4</sub>	mm	4115	4115
4.9	Height drawbar in driving position min./max.	h <sub>14</sub>	mm	990/1500	990/1500
4.10	Height of wheel arms	h <sub>8</sub>	mm	100	100
4.15	Lowered height	h <sub>13</sub>	mm	60	65
4.19	Overall length	l <sub>1</sub>	mm	1987	2092
4.20	Length to face of forks	l <sub>2</sub>	mm	917	1022
4.21	Overall width	b <sub>1</sub> / b <sub>2</sub>	mm	850 / 1270/1370/1470	850 / 1270/1370/1470
4.22	Fork dimensions	s/ e/ l	mm	40/100/1070	45/100/1070
4.24	Fork carriage width	b <sub>3</sub>	mm	800	800
4.25	Outside width of the forks	b <sub>5</sub>	mm	200-760	200-760
4.26	Ground clearance, laden, below mast	m <sub>1</sub>	mm	1070/1170/1270	970/1070/1270
4.32	Ground clearance, center of wheelbase	m <sub>2</sub>	mm	50	50
4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast	mm	2460	2560
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2460	2560
4.35	Turning radius	Wa	mm	1545	1645
Performance data					
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 type			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	3
6.3	The maximum allowed size battery		mm	800/230/open	800/330/open
6.4	Battery voltage/nominal capacity K5		V/ Ah	24/210	24/280
6.5	Battery weight		kg	190	250
Addition data					
8.1	Type of drive unit			AC	AC
10.5	Steering type			Mechanical	Mechanical
10.7	Sound pressure level at the driver's ear		dB(A)	74	74

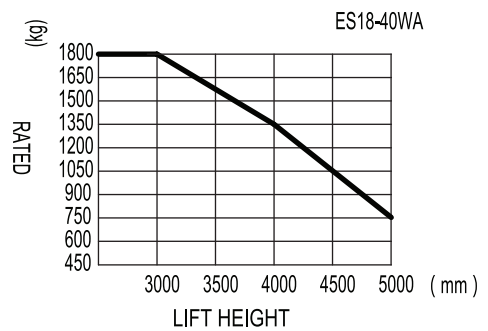
If there are improvements of technical parameters or configurations, no further notice will be given.  
The diagram shown may contain non-standard configurations.



RATED CAPACITIES GRAPH



RATED CAPACITIES GRAPH



## Mast Option

Lift h3+h13 (mm)	mast types	Lowered mast height h1 (mm)	Free lift h2 (mm)	Extended mast height h4 (mm)
2640	Duplex ZT	1838	150	3555
3000		2018	150	3915
3200		2118	150	4115
3590		2303	150	4505
4000	Triplex DZ	1822	907	4915
4500		2022	1107	5415
4800		2122	1207	5715
5000		2187	1272	5915

## Option

Options		ES14-30WA	ES18-40WA
3	Fork length	●1070	●1070
4	Fork width	●200-760(Adjustable)	●200-760(Adjustable)
10	Driving wheel	●PU○Rubber wheel	●PU
11	Balance wheel	●	●
15	cold storage	○	○
16	Mast screen	○	○
17	Battery indicator with hour meter	●	●
18	Battery indicator without hour meter	○	○
19	Battery capacity	○280AH○224AH (Maintenance-free)	○360AH○224AH (Maintenance-free)
20	Lateral change battery	○	○
22	Water auto-filling system	○	○
25	Vertical handler working	○	○
26	Proportional lifting	○	○
27	Height limitation	●	●
30	Side shift	○	○
31	half speed function in turning	—	—
32	Guard arm	—	—
Note: ● standard ○ option — NA			