



ES12-12WAI

Electric Stacker 1.2t/

Carrying Two Pallets at A Time Doubles Working Efficiency;
Extraordinary Traction in Crossing Door and Dock;
Long-tiller Design Makes Operations Easy and Convenient.

EP EQUIPMENT CO.,LTD
www.ep-equipment.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.



Safety

- Safe hydraulic system design prevents mast from falling down abruptly when hydraulic pipeline cuts off.
- Emergency reverse 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.

Operation

- With the new design of ergonomical tiller head, all buttons can be reached conveniently & comfortably.
- Dual pallets lifting doubles working efficiency.
- Creep speed function: when handle in near vertical position, the driving speed will decrease automatically, allowing delicate operation in confined space.
- Long tiller decreases the operation force greatly and makes operations much easier.
- Bias Operation, Greater View.

Maintenance

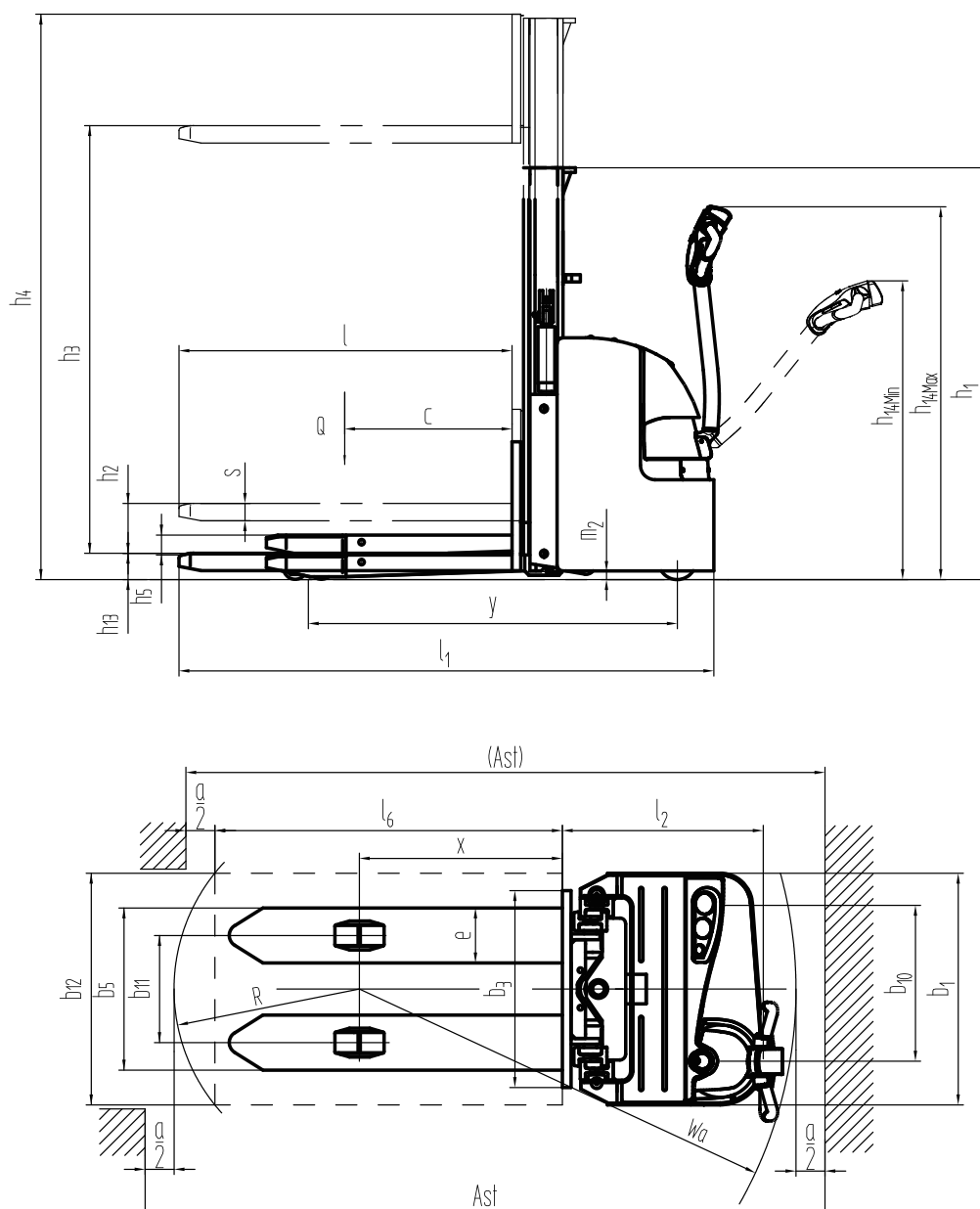
- AC traction motor, maintenance free.
- Hour meter and battery indicator remind the operator of battery charging.
- Easily remove the back cover by only loosening two bolts; Access to all key components for inspection, maintenance and replacement.
- Easy access for battery maintenance.
- Vertical motor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

Electric Stacker 1.2t

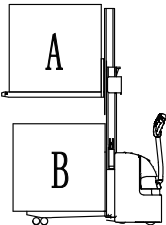
ES12-12WAI

Distinguishing mark	1.1	Manufacturer			EP
	1.2	Model designation			ES12-12WAI
	1.3	Drive			Electric
	1.4	Operator type			Pedestrian
	1.5	Load capacity	Q	kg	2000
	1.5.1	Load capacity load with mast lift	Q ₁	kg	1200
	1.5.2	Load capacity load with support arm lift	Q ₂	kg	2000
	1.6	Load center distance	c	mm	600
	1.8	Load distance, centre of drive axle to fork	x	mm	701
	1.9	Wheelbase	y	mm	1275
Service weight	2.1	Service weight		kg	940
	2.2	Axle loading, laden front/rear		kg	735/1405
	2.3	Axle loading, unladen front/rear		kg	640/300
Tyres/chassis	3.1	Tyre type			Polyurethane
	3.2.1	Tyre size, front		mm	Φ230×75
	3.3.1	Tyre size, rear		mm	Φ85×70
	3.4	Additional wheels (castor wheels)		mm	Φ130×55
	3.5	Wheels, number front/rear (x=drive wheels)		mm	1x+1/4
	3.6.1	Tread width, front	b ₁₀	mm	538
	3.7.1	Tread width, rear	b ₁₁	mm	370
Dimensions	4.0	Max. Lift Height	H	mm	3010
	4.2	Retracted mast height	h ₁	mm	1970
	4.3	Free lift	h ₂	mm	100
	4.4	Lift height	h ₃	mm	2915
	4.5	Height, mast extended	h ₄	mm	3529
	4.6	Initial lift	h ₅	mm	120
	4.9	Height of tiller handle in drive position min./max.	h ₁₄	mm	715/1200
	4.10	Height of wheel arms	h ₈	mm	—
	4.15	Lowered height	h ₁₃	mm	95
	4.19	Overall length	l ₁	mm	1879
	4.20	Length to face of forks	l ₂	mm	729
	4.21	Overall width	b ₁ /b ₂	mm	800
	4.22	Fork dimensions	s×e×l	mm	60×190×1150
	4.24	Fork carriage width	b ₃	mm	680
	4.25	Distance between fork-arms	b ₅	mm	560
	4.26	Distance between wheel arms/loading surfaces	b ₄	mm	—
	4.31	Ground clearance, laden, below mast	m ₁	mm	15
	4.32	Ground clearance, center of wheelbase	m ₂	mm	30
	4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	2410
	4.34.2	Aisle width for pallets 800×1200 lengthways	Ast	mm	2382
Performance data	4.35	Turning radius	Wa	mm	1552
	5.1	Travel speed, laden/unladen		km/h	5.0/5.5
	5.2	Lifting speed, laden/unladen		m/s	0.11/0.16
	5.3	Lowering speed, laden/unladen		m/s	0.19/0.18
	5.8	Max. gradeability, laden/unladen		%	8/16
Electric-engine	5.10	Service 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	Battery voltage/nominal capacity		V/Ah	24/210
	6.5	Battery weight		kg	190
Addition data	8.1	Type of drive control			AC
	10.5	Steering design			Mechanical
	10.7	Sound pressure level at the driver's ear		dB(A)	74
	15.1	Charger output current		A	—

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

		lift Height (mm) 起升高度	Capacity (kg) 额定载荷
	Mast Fork 货叉 A	1600	1200
		2700	1100
		3000	1000
		3300	800
		3600	600
	Support Arm 内叉腿 B	210	$A+B \leq 2000$

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	1600	1270	100	2120
	2700	1820	100	3220
	3000	1970	100	3520
	3300	2120	100	3820
	3600	2270	100	4120
	3900	2420	100	4420

Option

N0.	Optional items	ES12-12WAI
1.1	Fork dimension	● 560*1150
1.3	Fork lowered height	● 94
1.4	Fork carriage width	● No
1.5	backrest height	● No
1.6	Drive cover off the ground	● No
2.1	Load wheel type	● Double
2.2	Load wheel material	● PU
2.3	Drive wheel material	● PU○ Rubber
2.7	Battery capacity	● 210Ah (Lead acid)○ 205Ah (Li-ion)
2.8	Charger	○ 24V-20A External○ 24V-100A External (Li-ion)
2.9	Battery indicator	● With time
3.3	Castor wheels	● Yes and not customized
3.4	Water auto-filling system	● No○ Yes and not customized
3.16	Turtle speed	● Yes and not customized
3.23	Telematics	● No○ Yes and not customized
3.26	Heating system for lithium battery charging	● No○ Yes and not customized
4.1	Battery side pull function	● Yes and not customized
4.2	Cold storage	● No○ Yes and not customized
4.5	Proportional lift system	● Yes and not customized
Note: ●Standard ○ Optional - Inconformity		