



ES 16-RSI

Electric Stacker 1.6t

- Carrying two pallets at a time doubles working efficiency
- Extraordinary traction crossing door and dock
- High strength structure suits high racking applications
- Various options such as foldable platform, protection arm & power steering
- Side positioned drive system, easy to manage stability

EP EQUIPMENT CO.,LTD
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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.
- High speed(Up to 6 km/h unladen), High Efficiency of Material Handling Operations.



Safety

- Safe hydraulic system design prevents mast from falling down abruptly when hydraulic pipeline cuts off.
- Full speed will be only available when protection arms are open, low speed mode will be automatic on otherwise.
- 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.
- Auto-slow down feature on turning (EPS)
- Dual-monitoring power steering system.

Operation

- With the new design of ergonomical tiller head, all buttons can be reached conveniently & comfortably.
- Dual pallets lifting doubles working efficiency.
- Foldable platform reduces vibration which makes operator feel more comfortable when driving.
- When platform is folded, truck can work at low speed in smaller space.
- Ergonomical and durable protection arms guarantee easy operation with , innovative on/off design.
- Electric power steering, smooth & comfortable (EPS).

Maintenance

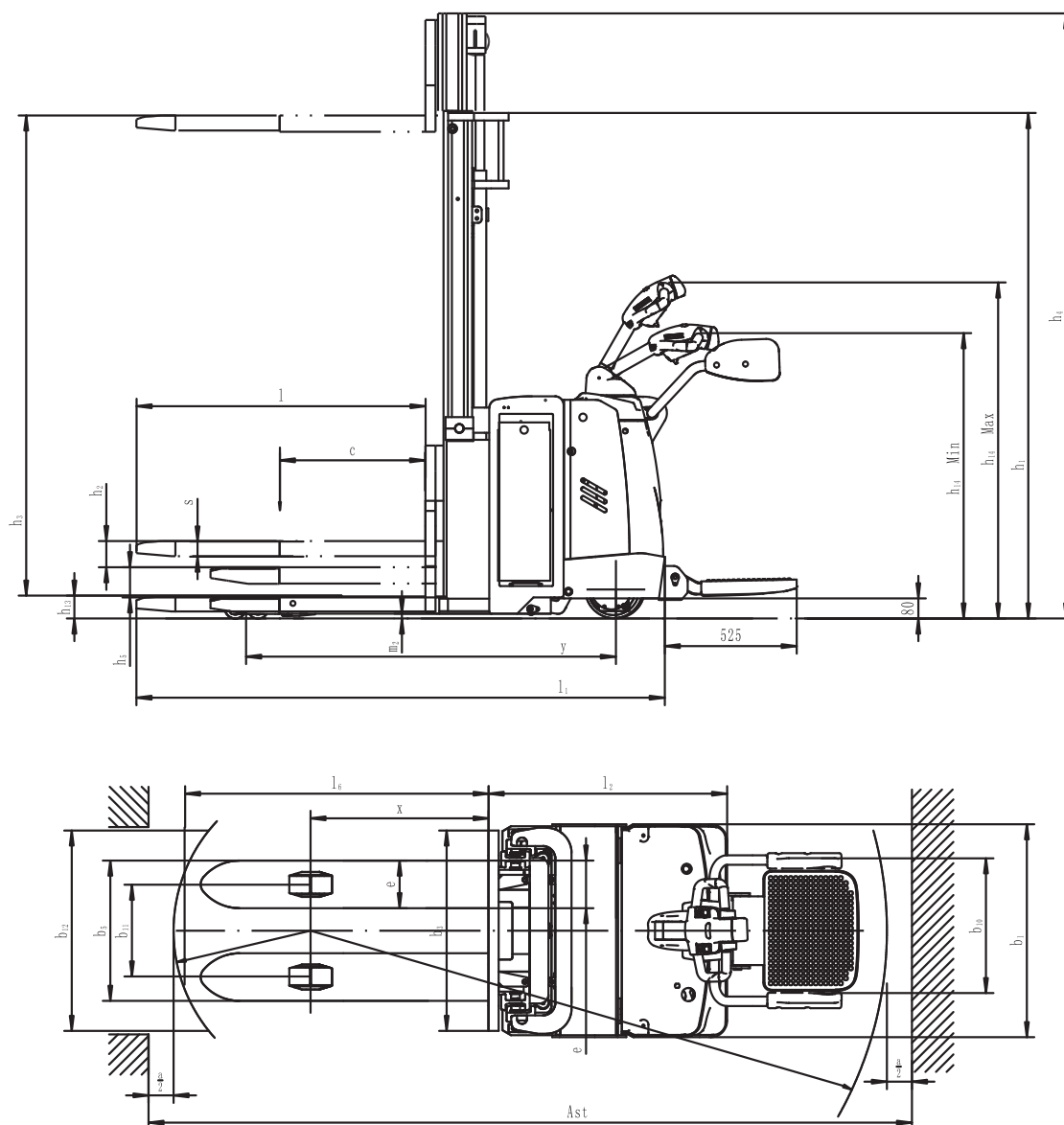
- AC traction motor, maintenance free.
- Hour meter and battery indicator remind the operator of battery charging.
- Remove the back cover by only losing two bolts; Easy access to all key components for inspection, maintenance and replacement.
- Easy access for battery maintenance.
- Vertical motor makes 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.

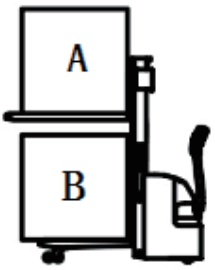
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ES16-RSI

Distinguishing mark	1.1	Manufacturer			EP
	1.2	Model designation			ES16-RSi
	1.3	Drive			Electric
	1.4	Operator type			Standing
	1.5	Load capacity	Q	kg	2000
	1.5.1	Load capacity load with mast lift	Q ₁	kg	1600
	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	710
	1.9	Wheelbase	y	mm	1460
Service weight	2.1	Service weight		kg	1335
	2.2	Axle loading, laden front/rear		kg	1075/1860
	2.3	Axle loading, unladen front/rear		kg	935/400
Tyres/chassis	3.1	Tyre type			Polyurethane
	3.2.1	Tyre size, front		mm	Φ230x75
	3.3.1	Tyre size, rear		mm	Φ85x70
	3.4	Additional wheels (castor wheels)		mm	Φ130x55
	3.5	Wheels, number front/rear (x=drive wheels)		mm	1x+1/4
	3.6.1	Tread width, front	b ₁₀	mm	574
	3.7.1	Tread width, rear	b ₁₁	mm	366
Dimensions	4.0	Max. Lift Height	H	mm	3000
	4.2	Retracted mast height	h ₁	mm	2020
	4.3	Free lift	h ₂	mm	100
	4.4	Lift height	h ₃	mm	2907
	4.5	Height, mast extended	h ₄	mm	3460
	4.6	Initial lift	h ₅	mm	120
	4.9	Height of tiller handle in drive position min./max.	h ₁₄	mm	1150/1480
	4.10	Height of wheel arms	h ₈	mm	—
	4.15	Lowered height	h ₁₃	mm	93
	4.19	Overall length	l ₁	mm	2195
	4.20	Length to face of forks	l ₂	mm	957
	4.21	Overall width	b ₁ /b ₂	mm	850
	4.22	Fork dimensions	s×e×l	mm	60/190/1150
	4.24	Fork carriage width	b ₃	mm	800
	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	20
4.32	Ground clearance, center of wheelbase	m ₂	mm	20	
4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	2665/3092	
4.34.2	Aisle width for pallets 800×1200 lengthways	Ast	mm	2597/3024	
4.35	Turning radius	Wa	mm	1765/2192	
Performance data	5.1	Travel speed, laden/unladen		km/h	5.5/6
	5.2	Lifting speed, laden/unladen		m/s	0.11/0.16
	5.3	Lowering speed, laden/unladen		m/s	0.14/0.12
	5.8	Max. gradeability, laden/unladen		%	8/16
	5.10	Service brake			Electromagnetic
Electric-engine	6.1	Drive motor rating S2 60 min		kW	2.5
	6.2	Lift motor rating at S3 15%		kW	3
	6.4	Battery voltage/nominal capacity		V/Ah	280
	6.5	Battery weight		kg	270
	Addition data	8.1	Type of drive control		
10.5		Steering design			Electronic
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.



		lift Height (mm)	Capacity (kg)
	Mast Fork A	2700	1600
		3000	1500
		3300	1300
		3600	1200
		3900	1000
		4200	800
		4500	700
Support Arm B	5000	600	
		210	A+B≤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	2500	1770	100	2965
	2700	1870	100	3165
	3000	2020	100	3465
	3300	2170	100	3765
	3600	2320	100	4065
	3900	2470	100	4365
	4170	2600	100	4625
3-Free Mast	4000	1822	1390	4460
	4500	2022	1590	4960
	4800	2122	1690	5260
	5000	2187	1740	5460
	5500	2352	1910	5910

Option

N0.	Optional items	ES16-RSi
1.1	Fork dimension	● 560*1150○ 685*1150
1.3	Fork lowered height	● 94
2.1	Load wheel type	● Double
2.2	Load wheel material	● PU
2.3	Drive wheel material	● PU○ Rubber
2.7	Battery capacity	● 280Ah (Lead acid) ○ 205Ah (Li-ion)
2.8	Charger	○ 24V-30A External (Lead acid) ○ 24V-100A External (Li-ion)
2.9	Battery indicator	● With time (bluetooth)
3.3	Castor wheels	● Yes and not customized
3.4	Water auto-filling system	● No○ 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
3.27	Turning deceleration	● Yes and not customized
4.1	Battery side pull function	● Yes and not customized
4.2	Cold storage	● Yes and not customized
5.1	Battery side pull attachment	● No○ Yes and not customized

Note: ●Standard ○ Optional - Inconformity