



ES12-12MMi

Mono Mast Electric Stacker
With Initial Lift 1.2t

- Carrying Two Pallets at A Time Doubles Working Efficiency;
- Long & Aside Tiller Design Makes Operations Easy and Safe;
- Special designed four-bar linkage mechanism

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

FEATURE

Performance:

- Robust Structure;
- Highly specialized drive and hydraulic system ensure excellent driving performance and high reliability;
- Low-noise and durable hydraulic unit, high quality cylinder as well as hose ensure high reliability of hydraulic system;
- AMP connector and durable electric wires greatly reduce malfunctions of components;
- C shape mast channel mast improves the strength of the whole truck;
- Dual pallets lifting doubles working efficiency.



Safety:

- Safety hydraulic design prevents mast from falling down abruptly when oil pipes cut off;
- Belly button prevents truck from hitting operator;
- By simply pressing emergency disconnect, power supply will be immediately interrupted;
- Multi lifting limited switch ensures travel safety;
- Truck automatically switches to low speed mode, when lifting height is higher than setting height;
- Anti-rolling back braking device ensures trucks don't roll back on ramps;
- Aside positioned long tiller make operator stay safe distance away from truck body.

Operation:

- Ergonomic tiller head for effortless and comfortable operations;
- Tiller with long arm for smooth steering;
- Compact chassis design offers smallest turning radius needed;
- Side operating ensures excellent visibility;
- On-board Charger.

Maintenance:

- Maintenance-free Battery;
- Battery display indicator with hour meter, reminds operator of charging on time (optional);
- Easy Maintenance — detachable rear panel;
- Self-Diagnostics signal on the digital display allows easy trouble-shooting;
- Easy Access of Hand Set;
- Low-voltage Cut-off Protection.

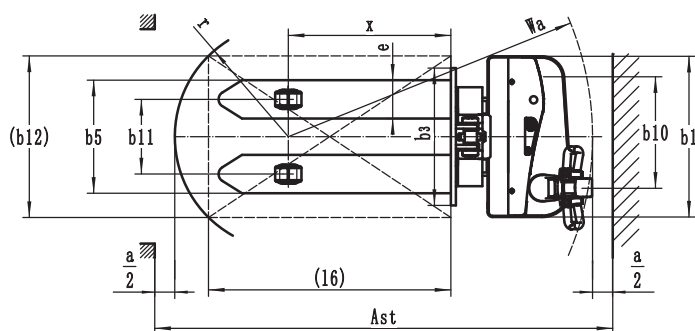
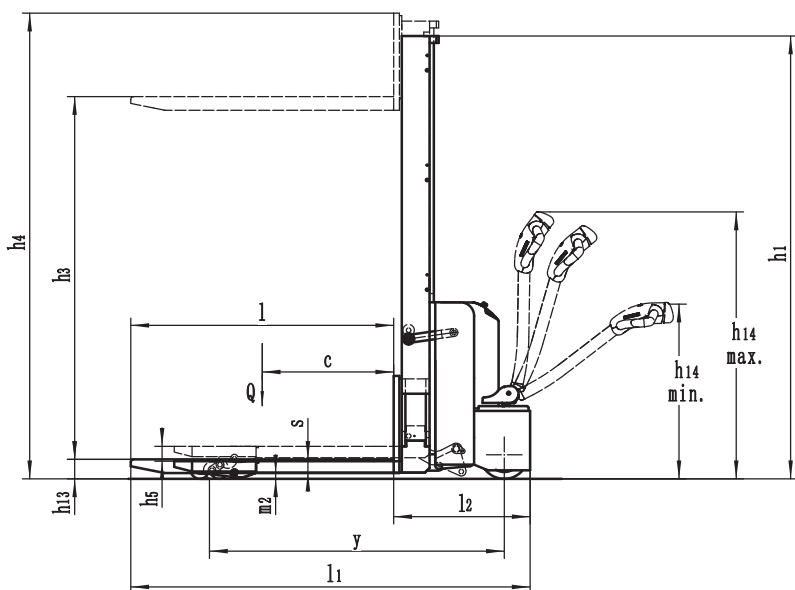
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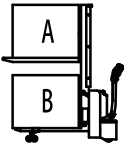
Distinguishing mark				
1.1	Manufacturer			EP
1.2	Model designation			ES12-12MMi
1.3	Drive unit			Electric
1.4	Operator type			pedestrian
1.5	rated capacity	Q	kg	1200
1.6	Load center distance	c	mm	600
1.8	Load distance, centre of drive axle to fork	x	mm	805
1.9	Wheelbase	y	mm	1260
Weight				
2.1	Service weight (include battery)		kg	520
2.2	Axle loading, laden driving side/loading side		kg	560/1160
2.3	Axle loading, unladen driving side/loading side		kg	350/170
Types,Chassis				
3.1	Tyre type Driving wheels/Loading wheels			PU/PU
3.2	Tyre size, driving wheels (diameter×width)		mm	Ø210×70
3.3	Tyre size, loading wheels (diameter×width)		mm	Ø80×60
3.4	Tyre size, caster wheels (diameter×width)		mm	Ø130×55
3.5	Wheels, number driving, caster/loading (x=drive wheels)		mm	1x +1/4
3.6	Track width, front,driving side	b ₁₀	mm	533
3.7	Track width,rear,loading side	b ₁₁	mm	370
Dimensions				
4.1	Tilt of mast/fork carriage forward/backward	α/ β	°	
4.2	Height, mast lowered	h ₁	mm	1940
4.3	Free lift	h ₂	mm	1480
4.4	Lift height	h ₃	mm	1520
4.5	Height, mast extended	h ₄	mm	2090
4.6	Initial lift	h ₅	mm	115
4.9	Height drawbar in driving position min./max.	h ₁₄	mm	860/ 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	1750
4.20	Length to face of forks	l ₂	mm	600
4.21	Overall width	b ₁	mm	796
4.22	Fork dimensions	s/ e/ l	mm	60/190/1150
4.24	Fork carriage width	b ₃	mm	680
4.25	Outside width of the forks	b ₅	mm	560
4.26	Distance between wheel arms	b ₄	mm	
4.31	Ground clearance, laden, below mast	m ₁	mm	
4.32	Ground clearance, center of wheelbase	m ₂	mm	26
4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast	mm	2340
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2260
4.35	Turning radius	Wa	mm	1500
Performance data				
5.1	Travel speed, laden/ unladen		km/ h	4/4.5
5.2	Lifting speed, laden/ unladen		m/ s	0.10/0.14
5.3	Lowering speed, laden/ unladen		m/ s	0.10/0.07
5.8	Max. gradeability, laden/unladen		%	3/10
5.10	Service brake type			Electromagnetic
Electric-engine				
6.1	Drive motor rating S2 60 min		kW	0.65
6.2	Lift motor rating at S3 15%		kW	2.2
6.3	The maximum allowed size battery		mm	300x180x230
6.4	Battery voltage/nominal capacity K20		V/ Ah	2x12/85
6.5	Battery weight		kg	2x25
Addition data				
8.1	Type of drive unit			
10.5	Steering type			Mechanical
10.7	Sound pressure level at the driver's ear		dB(A)	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

(Lifting Support Arm and Mast Fork)

		Lift Height (mm)	Capacity (kg)
	Mast Fork A	1600	1000
		2000	1000
	Support Arm B	210	A+B ≤ 1200

Mast Option

mast types	Lift h3+h13 (mm)	Lowered mast height h1 (mm)	Free lift h2 (mm)	Extended mast height h4 (mm)
Duplex ZT	1605	1940	1606	2011
	1955	2290	1936	2361

Option

Options	ES12-12MMi
Fork width	● 560mm
Battery capacity	○ 85AH/105AH/120AH
Special backrest	—
Battery indicator with hour meter	○
Driving wheel	○ PU wheel with Pattern
half speed function in turning	—
Mast screen	○ organic glass/Mast bending plate
Height limitation	○
Note: ● standard ○ option — NA	