



IMOW

EST101

Electric Stacker 1.0T

- **More Convenient:** Electric control system under module design; the cancelation of side roller in lifting system;
- **Wider View:** Unique single chain structure for wider view .
- **More Reliability:** Same control system and driving system as EST, proved fore more than 10 years !

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

Distinguishing mark				
1.1	Manufacturer			EP
1.2	Model designation			EST101
1.3	Drive unit			Battery
1.4	Operator type			pedestrian
1.5	rated capacity	Q	kg	1000
1.6	Load center distance	c	mm	600
1.8	Load distance, centre of drive axle to fork	x	mm	795
1.9	Wheelbase	y	mm	1160
Weight				
2.1	Service weight (include battery)		kg	526
2.2	Axle loading, laden driving side/loading side		kg	708/1012
2.3	Axle loading, unladen driving side/loading side		kg	420/100
Types,Chassis				
3.1	Tyre type Driving wheels/Loading wheels			PU/ PU
3.2	Tyre size, driving wheels (diameter×width)		mm	Φ210×70
3.3	Tyre size, loading wheels (diameter×width)		mm	Φ74×70
3.4	Tyre size, caster wheels (diameter×width)		mm	Φ80×61
3.5	Wheels, number driving, caster/loading (x=drive wheels)		mm	1x+ 1/ 4
3.6	Track width, front,driving side	b ₁₀	mm	550
3.7	Track width,rear,loading side	b ₁₁	mm	400
Dimensions				
4.1	Tilt of mast/fork carriage forward/backward	α/ β	°	
4.2	Height, mast lowered	h1	mm	2080
4.3	Free lift	h2	mm	0
4.4	Lift height	h3	mm	2920
4.5	Height, mast extended	h4	mm	3545
4.6	Initial lift	h5	mm	
4.9	Height drawbar in driving position min./max.	h14	mm	750/ 1340
4.10	Height of wheel arms	h8	mm	
4.15	Lowered height	h13	mm	86
4.19	Overall length	l1	mm	1656
4.20	Length to face of forks	l2	mm	506
4.21	Overall width	b1	mm	800
4.22	Fork dimensions	s/ e/ l	mm	60/ 170/ 1150
4.24	Fork carriage width	b3	mm	680
4.25	Distance between fork-arms	b5	mm	570
4.26	Distance between wheel arms	b4	mm	
4.31	Ground clearance, laden, below mast	m1	mm	
4.32	Ground clearance, center of wheelbase	m2	mm	26
4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast	mm	2225
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2150
4.35	Turning radius	Wa	mm	1408
Performance data				
5.1	Travel speed, laden/ unladen		km/ h	3.5/4
5.2	Lifting speed, laden/ unladen		m/ s	0.12/0.22
5.3	Lowering speed, laden/ unladen		m/ s	0.12/0.11
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	260x170x210
6.4	Battery voltage/nominal capacity K20		V/ Ah	2x12/85
6.5	Battery weight		kg	2x22.5
Addition data				
8.1	Type of drive unit			DC
10.5	Steering type			Mechanical
10.7	Sound pressure level at the driver's ear		dB (A)	74-80

