



EST152

Electric Stacker 1.5T

- Strong chassis
- Rigid mast
- Easy operation
- Efficient hydraulic system

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www.imowshop.com



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iMOW

NO.121 Yonghua Street, Shiqiao Road, Xia Cheng Qu, Hangzhou, China 86-571-28035665

86-571-28035656/28878695

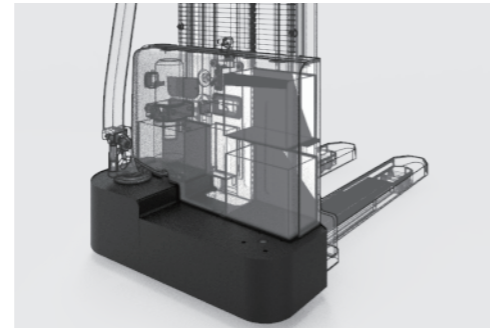
www.imowshop.com

info@imowshop.com

PRODUCT FEATURES

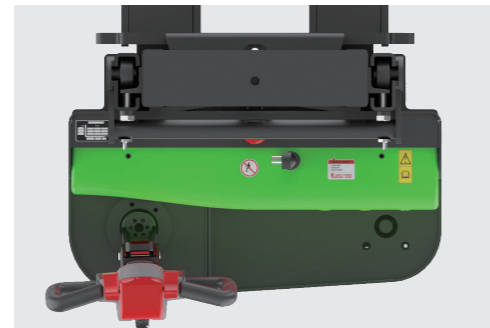
■ Strong chassis

The side impact beam, plates, and boxes make the chassis stronger and can greatly reduce stress and deformation caused by heavy load.



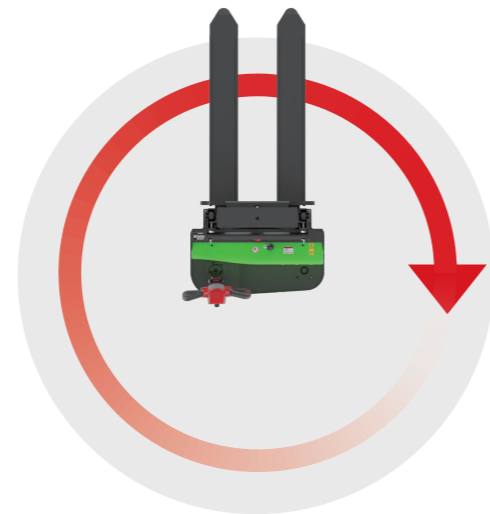
■ Rigid mast

The rigidity of the mast is greatly improved by its beam structure to provide smooth lifting and stacking for daily operation.



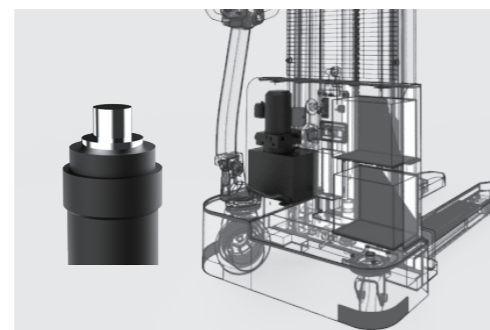
■ Easy operation

The extra-long and offset tiller with the crawl speed button provides EST152 a better visibility and nimble maneuverability when operating in tight space.



■ Efficient hydraulic system

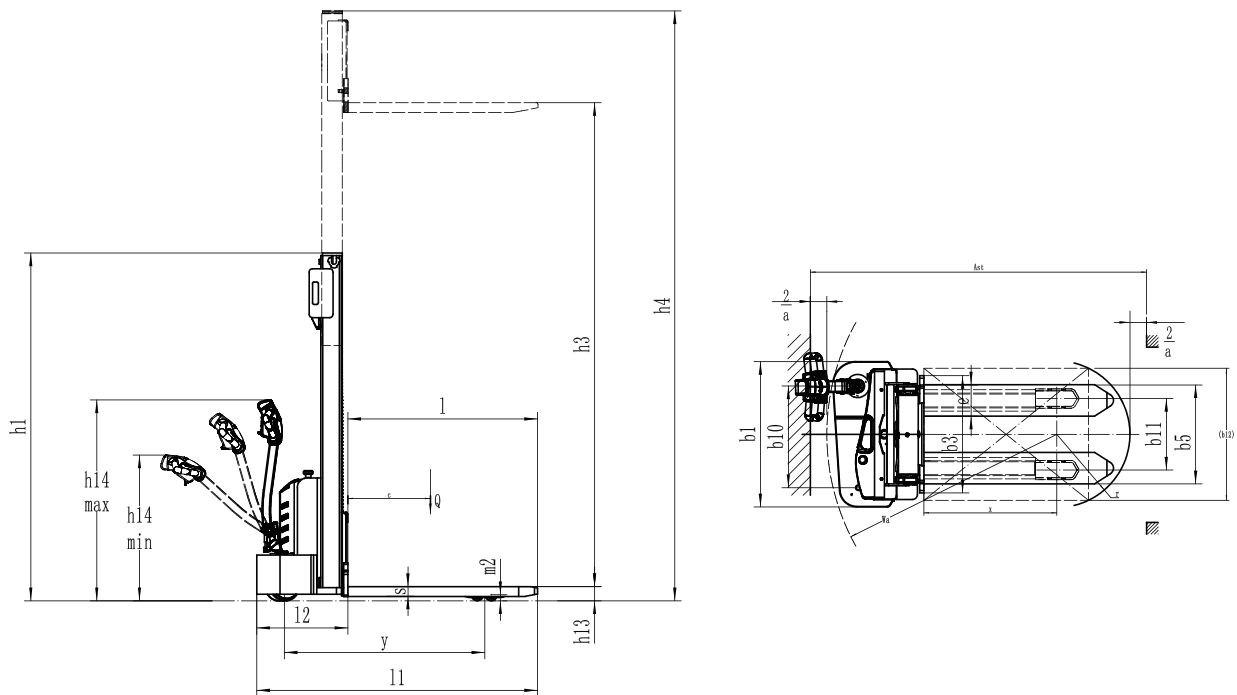
High quality hydraulic pump ensures very little noise, maximum efficiency, durability and shortens lifting time.



PRODUCT PARAMETERS

Distinguishing mark	1.1	Manufacturer			iMOW
	1.2	Model designation			EST152
	1.3	Drive			Electric
	1.4	Operator type			Pedestrian
Service weight	1.5	Load capacity	Q	kg	1500
	1.6	Load center distance	c	mm	500
	1.8	Load distance, centre of drive axle to fork	x	mm	798
Tyres/chassis	1.9	Wheelbase	y	mm	1212
	2.1	Service weight		kg	595
	2.2	Axle loading, laden front/rear		kg	825/1270
	2.3	Axle loading, unladen front/rear		kg	450/145
	3.1	Tyre type			Polyurethane
	3.2	Tyre size, front		mm	Ø210×70
	3.3	Tyre size, rear		mm	Ø74×72
Dimensions	3.4	Additional wheels (castor wheels)		mm	Ø130×55
	3.5	Wheels, number front/rear (x=drive wheels)		mm	1x, 1/4
	3.6	Tread width, front	b10	mm	531
	3.7	Tread width, rear	b11	mm	405
	4.0	Max. Lift Height	H	mm	—
	4.2	Retracted mast height	h1	mm	1856
	4.3	Free lift	h2	mm	—
	4.4	Lift height	h3	mm	2430
	4.5	Height, mast extended	h4	mm	3071
	4.6	Initial lift	h5	mm	—
	4.9	Height of tiller handle in drive position min./max.	h14	mm	760/1140
	4.10	Height of wheel arms	h8	mm	—
	4.15	Lowered height	h13	mm	85
	4.19	Overall length	l1	mm	1713
	4.20	Length to face of forks	l2	mm	563
	4.21	Overall width	b1/b2	mm	792
	Performance data	4.22	Fork dimensions	s/e/l	mm
4.24		Fork carriage width	b3	mm	680
4.25		Distance between fork-arms	b5	mm	570
4.26		Distance between wheel arms/loading surfaces	b4	mm	—
4.31		Ground clearance, laden, below mast	m1	mm	—
4.32		Ground clearance, center of wheelbase	m2	mm	25
4.34.1		Aisle width for pallets 1000×1200 crossways	Ast	mm	2290
4.34.2		Aisle width for pallets 800×1200 crossways	Ast	mm	2225
4.35		Turning radius	Wa	mm	1458
5.1		Travel speed, laden/unladen		km/h	4.2/4.5
5.2	Lifting speed, laden/unladen		m/s	0.08/0.14	
5.3	Lowering speed, laden/unladen		m/s	0.10/0.10	
5.8	Max. gradeability, laden/unladen		%	3/10	
5.10	Service brake			Electromagnetic	
Electric-engine	6.1	Drive motor rating S2 60 min		kW	0.75
	6.2	Lift motor rating at S3 15%		kW	2.2
	6.4	Battery voltage/nominal capacity		V/Ah	24/85
	6.5	Battery weight		kg	2x24
Addition data	8.1	Type of drive control			DC
	10.5	Steering design			Mechanical
	10.7	Sound pressure level at the driver's ear		dB(A)	74

LINE GRAPH



MAST OPTION

Mast types	Lift	$h3+h13$	Lowered mast height	$h1$	Free lift	$h2$	Extended mast height	$h4$
Duplex ZT		2520	1856		—		3071	
		2720	1956		—		3271	
		3020	2106		—		3571	
		3320	2256		—		3871	

RATED CAPACITY

RATED CAPACITIES GRAPH

