



## EST152

### Electric Stacker 1,5 T

- **Compact duplex mast stacker for light duty application**
- **Rigid frame and lateral drive for high stability**
- **Simple design, made with industry-proven components**
- **Turtle button to operate in narrow spaces**
- **Easy charging trough integrated charger**



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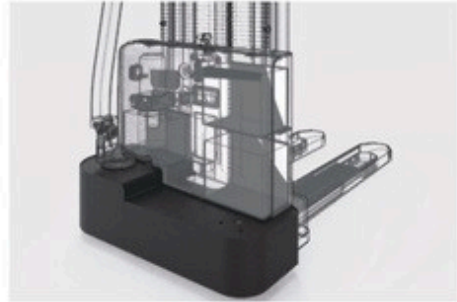
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## PRODUCT FEATURES

### ■ 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.



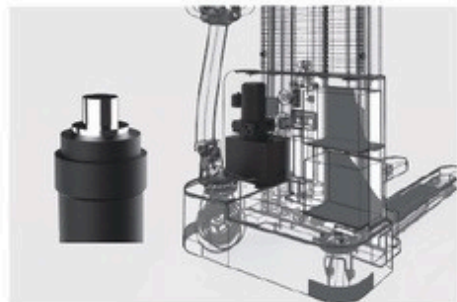
### ■ Easy operation

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

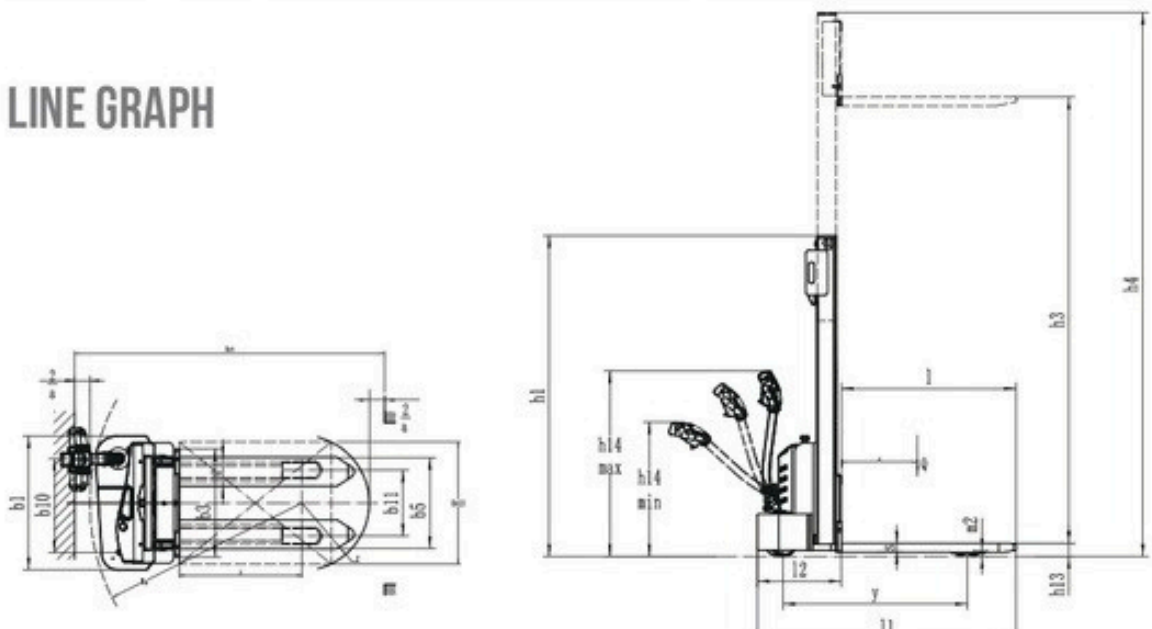
High quality hydraulic pump ensures very little noise, maximum efficiency, durability and shortens lifting time.



# PRODUCT PARAMETERS

Distinguishing mark				
1.1	Manufacturer			IMOW
1.2	Model designation			EST152
1.3	Drive unit			electrics
1.4	Operator type			pedestrian
1.5	rated capacity	Q	t	1.5
1.6	Load center distance	c	mm	500
1.8	Load distance, centre of drive axle to fork	x	mm	798
1.9	Wheelbase	y	mm	1212
Weight				
2.1	Service weight (include battery)		kg	595
2.2	Axle loading, laden driving side/loading side		kg	825/1270
2.3	Axle loading, unladen driving side/loading side		kg	450/145
Types, Chassis				
3.1	Tyre type Driving wheels/Loading wheels			P/U/P/U
3.2	Tyre size, driving wheels (diameter*width)		mm	Ø210×70
3.3	Tyre size, loading wheels (diameter*width)		mm	Ø74×72
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	b10	mm	531
3.7	Track width, rear, loading side	b11	mm	405
Dimensions				
4.2	Height, mast lowered	h1	mm	1956
4.4	Lift height	h3	mm	2630
4.5	Height, mast extended	h4	mm	3271
4.9	Height drawbar in driving position min./max.	h14	mm	750/ 1340
4.15	Lowered height	h13	mm	85
4.19	Overall length	l1	mm	1713
4.2	Length to face of forks	l2	mm	563
4.21	Overall width	b1	mm	792
4.22	Fork dimensions	s/ e/ l	mm	60/ 170/ 1150
4.24	Fork carriage width	b3	mm	680/770
4.25	Distance between fork-arms	b5	mm	570/685
4.32	Ground clearance, center of wheelbase	m2	mm	25
4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast	mm	2224
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2158
4.35	Turning radius	Wa	mm	1390
Performance data				
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	0.11/0.10
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	0.75
6.2	Lift motor rating at S3 15%		kW	2.2
6.3	The maximum allowed size battery		mm	260x165x210
6.4	Battery voltage/nominal capacity K20		V/ Ah	2x12/85
6.5	Battery weight		kg	2x24
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

# 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

