

# 2020

## iMOW PRODUCT OVERVIEW



# iMOW

by EP



### MINI EPL153

- Capacity 1.5T
- Fork Width 560/685mm
- Fork Length 1150mm
- 24V/20Ah
- Travel Speed 4/4.5km/h
- DC Controller

LIST



### MINI EPE151

- Capacity 1.5T
- Fork Width 560/685mm
- Fork Length 1150mm
- 2\*12V/65Ah
- Travel Speed 4/4.5km/h
- DC Controller



### MINI EPL163

- Capacity 1.6T
- Fork Width 560/685mm
- Fork Length 1150mm
- 24V/30Ah
- Travel Speed 4.5/5.0km/h
- DC Controller

LIST



### MINI EST101

- Capacity 1.0T
- Fork Width 506mm
- Fork Length 1150mm
- 2\*12V/85Ah
- Travel Speed 4/4.5km/h
- DC Controller

## Introduction

iMOW is the new brand of EP Group, offering a wide range of entry level products to an international network of dealers. With iMOW, every dealer has the opportunity to buy directly from the factory without any extra costs or intermediaries. iMOW offers pallet trucks and stackers at very competitive prices with state of the art components and after-sales service platforms to create a maximum in efficiency and serviceability.

**iMOW**  
by EP



**iMOW**  
by EP

## EPE151

Electric Pallet Truck 1.5T

- Robust
- Simple
- No Trouble



## PRODUCT FEATURES

### ■ Robust and durable

All-metal Protection, Better strength;  
Using Mechanical spring to replace air spring  
in handle movement, which lengthen the service  
life.

### ■ Simple

Open the front cover plate to realize easy  
maintenance.

### ■ No Trouble

Built-in charger and maintenance free AGM  
Battery.



## ANGLE VIEW

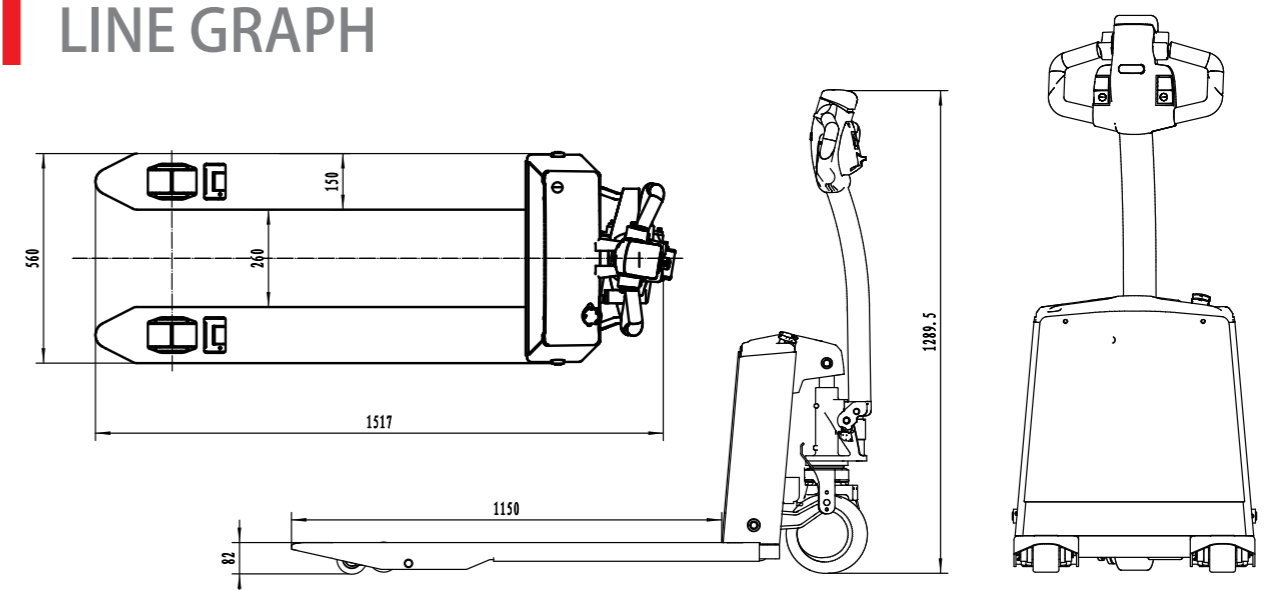


\*Pictures shown are for reference only. Actual product may vary due to product enhancement.

## PRODUCT PARAMETERS

Distinguishing mark			
1.1	Manufacturer		EP
1.2	Model designation		EPE151
1.3	Drive unit		Electrics
1.4	Operator type		pedestrian
1.5	rated capacity	Q	kg
1.6	Load center distance	c	mm
1.8	Load distance	x	mm
1.9	Wheelbase	y	mm
Weight			
2.1	Service weight (include battery)		kg
2.2	Axle loading, laden driving side/loading side		kg
2.3	Axle loading, unladen driving side/loading side		kg
Types,Chassis			
3.1	Tyre type driving wheels/loading wheels		PU/ PU
3.2	Tyre size, driving wheels (diameter×width)		mm
3.3	Tyre size, loading wheels (diameter×width)		mm
3.4	Tyre size, caster wheels (diameter×width)		mm
3.5	Wheels, number driving, caster/loading (x=drive wheels)		mm
3.6	Track width, front,driving side	b <sub>10</sub>	mm
3.7	Track width,rear,loading side	b <sub>11</sub>	mm
Dimensions			
4.4	Lift height	h <sub>3</sub>	mm
4.9	Height drawbar in driving position min./max.	h <sub>14</sub>	mm
4.15	Lowered height	h <sub>13</sub>	mm
4.19	Overall length	l <sub>1</sub>	mm
4.20	Length to face of forks	l <sub>2</sub>	mm
4.21	Overall width	b <sub>1</sub> / b <sub>2</sub>	mm
4.22	Fork dimensions	s/ e/ l	mm
4.25	Outside width of the forks	b <sub>5</sub>	mm
4.32	Ground clearance, center of wheelbase	m <sub>2</sub>	mm
4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast	mm
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm
4.35	Turning radius	Wa	mm
Performance data			
5.1	Travel speed, laden/ unladen	km/ h	km/h
5.2	Lifting speed, laden/ unladen		m/ s
5.3	Lowering speed, laden/ unladen		m/ s
5.8	Max. gradeability, laden/unladen		%
5.10	Service brake type		Electromagnetic
Electric-engine			
6.1	Drive motor rating S2 60 min		kW
6.2	Lift motor rating at S3 15%		kW
6.3	The maximum allowed size battery		mm
6.4	Battery voltage/nominal capacity K20		V/ Ah
6.5	Battery weight		kg
Addition data			
8.1	Type of drive control		DC
10.5	Steering type		Mechanical
10.7	Sound pressure level at the driver's ear		dB (A)

## LINE GRAPH



**iMOW**  
by EP



**iMOW**  
by EP

## EPL153

Electric Pallet Truck 1.5T

- Smart Lithium Battery;
- Newly Designed Handle Head;
- Pass market tests of safety and reliability.

## PRODUCT FEATURES



### Smart Lithium Battery

The EPL 153 is equipped with a Li-Ion battery and an integrated charger for flexibility in the warehouse. The truck can be charged at any standard power outlet with no need for special charging rooms.



### Newly Designed Handle Head

With its ergonomically designed tiller head, the EPL 153 can lift electrically and lower manually for a maximum in control and sensitivity.



### Components tested in the market

The EPL 153 runs on standard components, proven by the market since over ten years.



## ANGLE VIEW

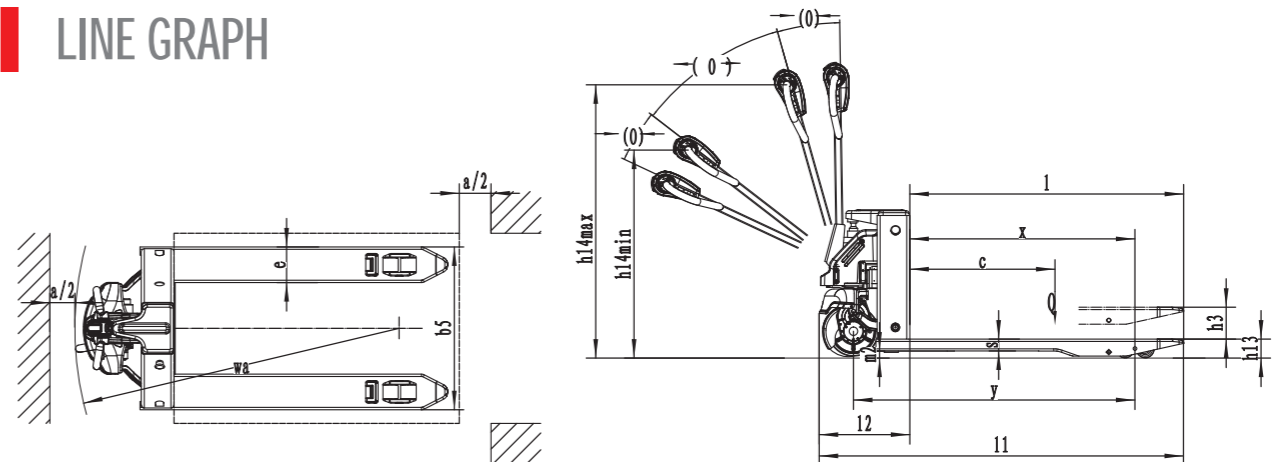


\*Pictures shown are for reference only. Actual product may vary due to product enhancement.

## PRODUCT PARAMETERS

Distinguishing mark			
1.1	Manufacturer		EP
1.2	Model designation		EPL153
1.3	Drive unit		Battery
1.4	Operator type		Pedestrian
1.5	rated capacity	Q	kg 1500
1.6	Load center distance	c	mm 600
1.8	Load distance	x	mm 950(880)
1.9	Wheelbase	y	mm 1190(1120)
Weight			
2.1	Service weight (include battery)		kg 115
2.2	Axle loading, laden driving side/loading side		kg 540/1070
2.3	Axle loading, unladen driving side/loading side		kg 100/15
Types, Chassis			
3.1	Tyre type driving wheels/loading wheels		PU
3.2	Tyre size, driving wheels (diameterxwidth)		mm $\Phi$ 210x70
3.3	Tyre size, loading wheels (diameterxwidth)		mm $\Phi$ 210x70
3.4	Tyre size, caster wheels (diameterxwidth)		mm $\Phi$ 80x60( $\Phi$ 74x88)
3.5	Wheels, number driving, caster/loading (x=drive wheels)		mm 1x/4(1x/2)
3.6	Track width, front, driving side	b10	mm
3.7	Track width, rear, loading side	b11	mm
Dimensions			
4.4	Lift height	h3	mm 115
4.9	Height drawbar in driving position min./max.	h14	mm 750/1190
4.15	Lowered height	h13	mm 80
4.19	Overall length	l1	mm 1550
4.20	Length to face of forks	l2	mm 400
4.21	Overall width	b1	mm 560(685)
4.22	Fork dimensions	sxexl	mm 50x150x1150
4.25	Distance between fork-arms	b5	mm 560(685)
4.32	Ground clearance, center of wheelbase	m2	mm 30
4.34.1	Aisle width for pallets 1000 x 1200 crossways	Ast	mm 1650
4.34.2	Aisle width for pallets 800 x 1200 lengthways	Ast	mm 1850
4.35	Turning radius	Wa	mm 1390
Performance data			
5.1	Travel speed, laden/ unladen	km/ h	km/h 4/4.5
5.2	Lifting speed, laden/ unladen		m/ s 0.017/0.024
5.3	Lowering speed, laden/ unladen		m/ s 0.09/0.06
5.8	Max. gradeability, laden/unladen		% 6/16
5.10	Service brake type		electric
Electric-engine			
6.1	Drive motor rating S2 60 min		kW 0.75
6.2	Lift motor rating at S3 15%		kW 0.5
6.3	The maximum allowed size battery		mm 230x260x85
6.4	Battery voltage/nominal capacity K5		V/Ah 24/20
6.5	Battery weight		kg 5
Addition data			
8.1	Type of drive control		DC
10.5	Steering type		mechanical
10.7	Sound pressure level at the driver's ear		dB (A) <74

## LINE GRAPH





**iMOW**  
by EP



**iMOW**  
by EP

## EST101

Electric Stacker 1.0T

- Simple stacker solution
- Wider view and lower chassis
- Reliable components

## PRODUCT FEATURES

### Standard drive control

The EST 101 stacker is equipped with a standard control head used in 100.000 trucks annual production. It comes with controls for both left and right handed operator.



### Wider view

Due to the low chassis and the wide mast design, the visibility of this stacker is optimised.



### Reliable

The EST 101 uses long term tested components to ensure a long lifetime and reliability.



## ANGLE VIEW



\*Pictures shown are for reference only. Actual product may vary due to product enhancement.

## PRODUCT PARAMETERS

Distinguishing mark				
1.1	Manufacturer		EP	
1.2	Model designation		EST101	
1.3	Drive unit		Electric	
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	505/535
2.2	Axle loading, laden driving side/loading side		kg	600 905/610 925
2.3	Axle loading, unladen driving side/loading side		kg	405 100/425 110
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	Φ74×72
3.4	Tyre size, caster wheels (diameter×width)		mm	Φ80×61
3.5	Wheels, number driving, caster/loading (x=drive wheels)		mm	1x+ 1/2
3.6	Track width, front, driving side	b <sub>10</sub>	mm	550
3.7	Track width, rear, loading side	b <sub>11</sub>	mm	400
Dimensions				
4.1	Tilt of mast/fork carriage forward/backward	α/ β	°	
4.2	Height, mast lowered	h <sub>1</sub>	mm	1900/2200
4.3	Free lift	h <sub>2</sub>	mm	0
4.4	Lift height	h <sub>3</sub>	mm	2630/3230
4.5	Height, mast extended	h <sub>4</sub>	mm	3215/3815
4.6	Initial lift	h <sub>5</sub>	mm	
4.9	Height drawbar in driving position min./max.	h <sub>14</sub>	mm	750/ 1340
4.10	Height of wheel arms	h <sub>8</sub>	mm	
4.15	Lowered height	h <sub>13</sub>	mm	86
4.19	Overall length	l <sub>1</sub>	mm	1656
4.20	Length to face of forks	l <sub>2</sub>	mm	506
4.21	Overall width	b <sub>1</sub>	mm	800
4.22	Fork dimensions	s/ e/ l	mm	60/ 170/ 1150
4.24	Fork carriage width	b <sub>3</sub>	mm	680/795
4.25	Distance between fork-arms	b <sub>5</sub>	mm	570/685
4.26	Distance between wheel arms	b <sub>4</sub>	mm	
4.31	Ground clearance, laden, below mast	m <sub>1</sub>	mm	
4.32	Ground clearance, center of wheelbase	m <sub>2</sub>	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	1342
Performance data				
5.1	Travel speed, laden/ unladen		km/h	4.0/4.5
5.2	Lifting speed, laden/ unladen		m/ s	0.11/0.21
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

## LINE GRAPH

