



# PBP20EA / PBP25EA

Electric Pallet Truck 2.0 / 2.5t

---

# PBP20EA / PBP25EA

## Electric Pallet Truck 2.0 / 2.5t

Distinguishing mark						
1.1	Model designation			PBP20EA		PBP25EA
1.2	Drive unit			Electric		Electric
1.3	Type of operation			Pedestrian		Pedestrian
1.4	Rated capacity	Q	kg	2000		2500
1.5	Load center distance	c	mm	600		600
1.6	Load distance	x	mm	916/982	937/1003	916/982 937/1003
1.7	Wheelbase	y	mm	1418	1488	1418 1488
Weight						
2.1	Service weight (include battery)		kg	535		565
2.2	Axle loading, laden driving side/loading side		kg	955/1580		1070/1995
2.3	Axle loading, unladen driving side/loading side		kg	430/105		445/120
Types, Chassis						
3.1	Tyre type driving wheels/loading wheels			polyurethane / polyurethane		polyurethane / polyurethane
3.2	Tyre size, driving wheels (diameter×width)		mm	Φ230×75		Φ230×75
3.3	Tyre size, loading wheels (diameter×width)		mm	Φ85×70 / Φ83×115		Φ85×70 / Φ83×115
3.4	Tyre size, caster wheels (diameter×width)		mm	Φ85×48		Φ85×48
3.5	Wheels, number driving - caster/loading (x=drive wheels)		mm	1x + 2/4 / 1x + 2/2		1x + 2/4 / 1x + 2/2
3.6	Track width, front, driving side	b <sub>10</sub>	mm	498		498
3.7	Track width, rear, loading side	b <sub>11</sub>	mm	370/430/515		370/430/515
Dimensions						
4.1	Lift height	h <sub>3</sub>	mm	120		120
4.2	Height drawbar in driving position min./max.	h <sub>14</sub>	mm	715/1200		715/1200
4.3	Lowered height	h <sub>13</sub>	mm	85		85
4.4	Overall length	l <sub>1</sub>	mm	1748	1818	1748 1818
4.5	Length to face of forks	l <sub>2</sub>	mm	621		598
4.6	Overall width	b <sub>1</sub>	mm	710		710
4.7	Fork dimensions	s/ e/ l	mm	50/170/1150 55/170/1220		50/170/1150 55/170/1220
4.8	Distance between fork-arms	b <sub>2</sub>	mm	540/600/685		540/600/685
4.9	Ground clearance, center of wheelbase	m <sub>2</sub>	mm	30		30
4.10	Aisle width for pallets 1000 × 1200 crossways	Ast	mm	2419		1815
4.11	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2667		2015
4.12	Turning radius	Wa	mm	1619		1595
Performance data						
5.1	Travel speed, laden/ unladen	km/ h	km/h	5/5.5		5/5.5
5.2	Lifting speed, laden/ unladen		m/ s	0.051/0.060		0.051/0.060
5.3	Lowering speed, laden/ unladen		m/ s	0.032/0.039		0.032/0.039
5.4	Max. gradeability, laden/unladen			8/16		6/16
5.5	Service brake type			Electromagnetic		Electromagnetic
Electric-engine						
6.1	Drive motor rating S2 60 min		kW	1.1		1.1
6.2	Lift motor rating at S3 15%		kW	0.84		0.84
6.3	The maximum allowed size battery		mm	680×205×600		680×205×600
6.4	Battery voltage/nominal capacity K5		V/Ah	24/210		24/240
6.5	Battery weight		kg	190		220
Addition data						
7.1	Type of drive control			AC		AC
7.2	Steering type			Mechanical		Mechanical
7.3	Sound pressure level at the driver's ear			74		74

Note: For detailed customization, features and benefits of the truck, please contact your local dealership for more information.  
Improvement made to truck may result in changes to the truck parameters.

# EXCEED your limits to BOOST efficiency & OPTIMIZE results

Introducing the **BRAZOS** highest turnaround performance truck model, the **heavy duty PBP-EA series** offers great variants to adapt quickly to conform and handle variant applications. This series is an ideal pallet mover that transfer loads from point to point with an **extended working duration** and **eliminates space constraints** challenges thanks to its exquisite **short turning radius**, and **180 degree per way steering capability**.

With the addition of the **auto power shutdown feature**, it helps to prevent excessive power draining when the truck is left idle for a limited time. Experience the latest heavy duty series that **lasts to perform, and always perform to delight** end users.



## ✓ Improved Reliability & Maintenance

- **Hassle free access** to the internal key components for quick inspection, maintenance, and replacement works
- **Adjustable forks linkages** to ensure smooth lifting of the forks
- **Plug in diagnostics** shortens the time required for troubleshooting
- **IP54 ZAPI AC controller** offers better protection against water ingress
- **LED display with battery discharge indicator** (\*Indicates operating hours, battery level and error code)
- **AMP connectors and durable electrical harnesses** enhances truck reliability



## ✓ Reliable AC Performance

- **Maintenance free AC electric traction motors** delivers powerful load handling performance
- **Multifunctional control handle** allows precise load handling while multitasking both lifting/lowering of the forks while travelling
- **Crawl speed mode** automatically reduce the truck travel speed when the tiller arm is tilted at near neutral position

## ✓ Quick Battery Change

- **Battery drop down design** facilitates changing of battery more proficiently and also with easy access to the battery water refilling point

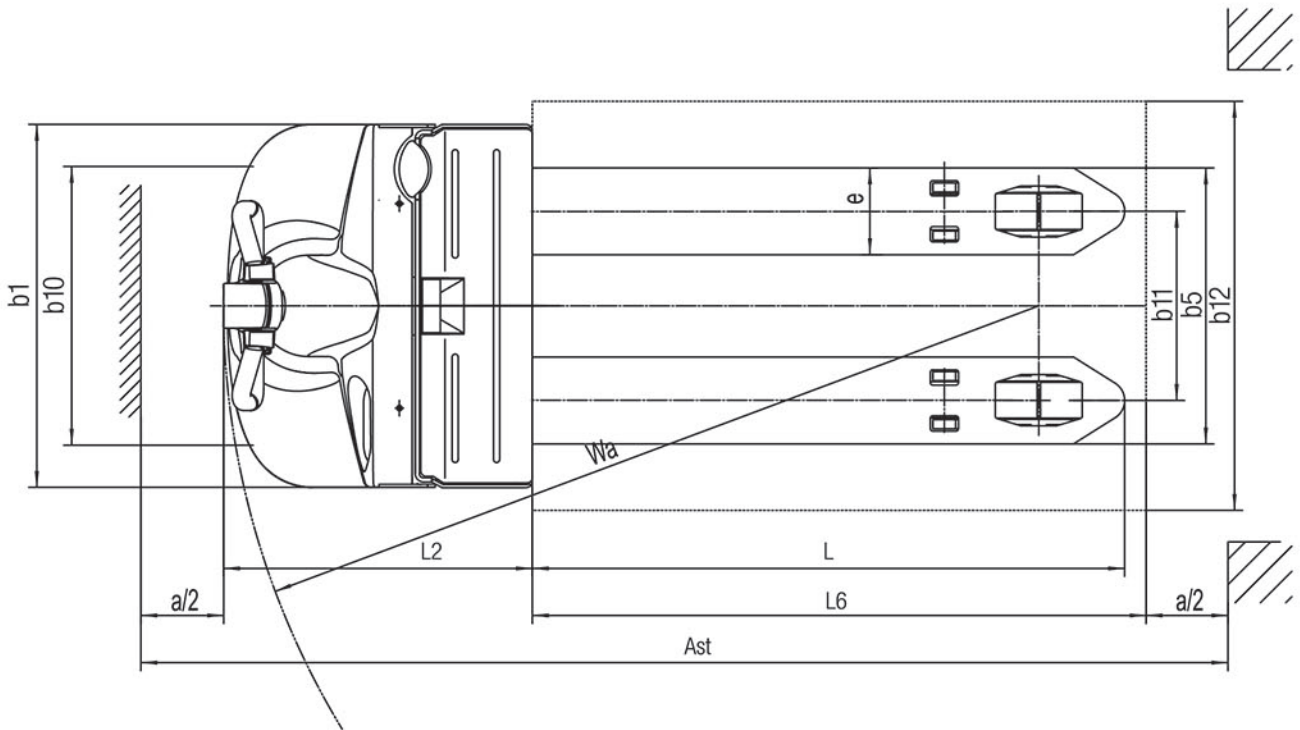
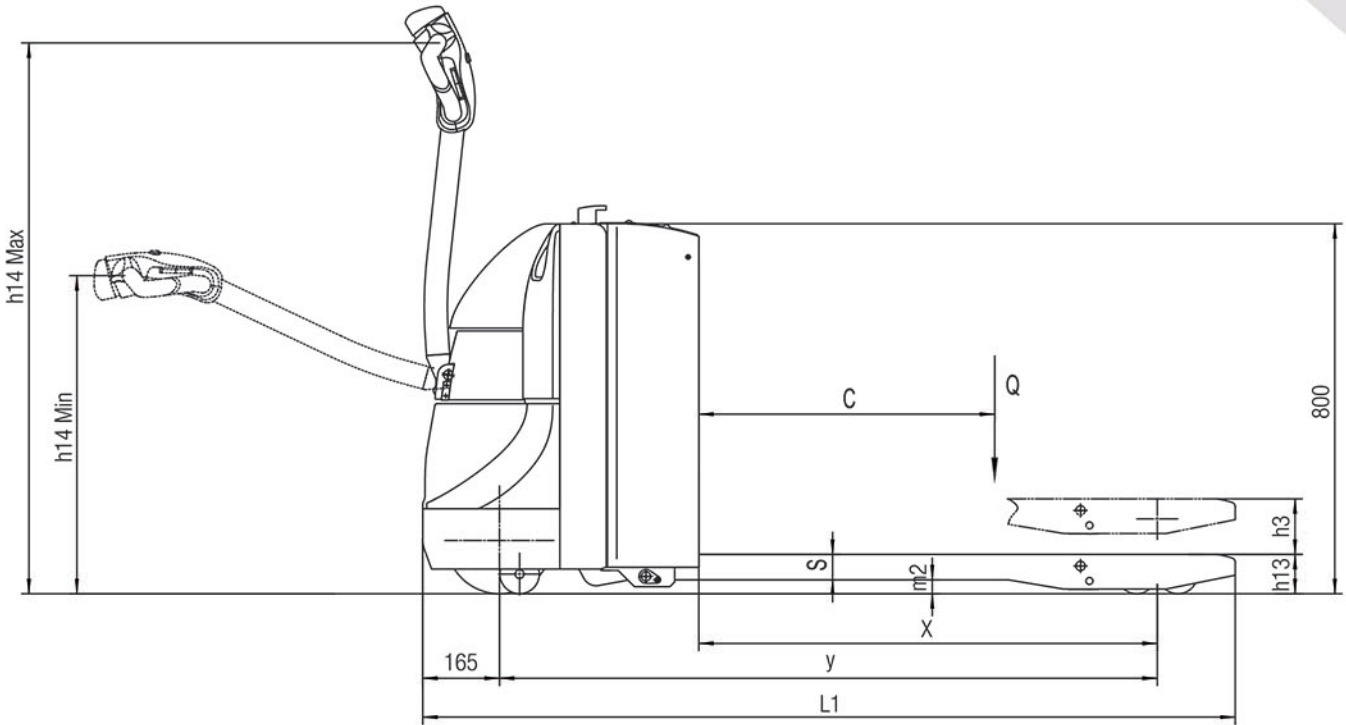
## ✓ Operator Safety

- **Reverse belly button** changes the travelling direction immediately upon contact helps to protect the operator from any imminent impact
- **Full electromagnetic brakes** provides enhanced braking effect with anti-rollback function even when travelling and stopping on steep ramps
- **Automatic limit performance** when the remaining power hits critical 20% or below battery charge
- **Low bottom frame design** helps to keep operator foot out of the undercarriage and avoid injury
- **Standard Pin-Code entry** with second level password setting limits unauthorized usage of truck

## KEY productivity Options:

- Long fork length: Only available up to 2400mm (\*For PBP20EA/PBP25EA only)
- Wheels: Non-marking tire / Pattern drive tire / Single or Dual load wheels
- Cold room package
- High capacity battery: 280Ah/360Ah
- Vertical working handler
- Battery side loading transfer





2020 by MLAP, All Rights Reserved.  
 All Trademarks are the property of their respective owners.  
 Printed in Singapore.  
 FML00006 (09/20)