



# PBV20EAL / PBV20EAHL

Electric Pallet Truck 2.0t

---

# PBV20EAL / PBV20EAHL

## Electric Pallet Truck 2.0t

Distinguishing mark							
1.1	Model designation			PBV20EAL		PBV20EAHL	
1.2	Drive unit			Electric		Electric	
1.3	Operator type			Standing		Standing	
1.4	Rated capacity	Q	kg	2000		2000	
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	1438	1418	1438
Weight							
2.1	Service weight (include battery)		kg	630		630	
2.2	Axle loading, laden driving side/loading side		kg	1020/1610		1020/1610	
2.3	Axle loading, unladen driving side/loading side		kg	500/130		500/130	
Types, Chassis							
3.1	Tyre type driving wheels/loading wheels			polyurethane / polyurethane		polyurethane / polyurethane	
3.2	Tyre size, driving wheels (diameter×width)		mm	Φ230x75		Φ230x75	
3.3	Tyre size, loading wheels (diameter×width)		mm	Φ85x70 / Φ83x115		Φ85x70 / Φ83x115	
3.4	Tyre size, caster wheels (diameter×width)		mm	Φ130x55		Φ130x55	
3.5	Wheels, number driving, caster/loading (x=drive wheels)	b <sub>10</sub>	mm	1x + 2/4 / 1x + 2/2		1x + 2/4 / 1x + 2/2	
3.6	Track width, front, driving side	b <sub>11</sub>	mm	510		510	
3.7	Track width, rear, loading side		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	1150/1470		1150/1470	
4.3	Lowered height	h <sub>13</sub>	mm	85		85	
4.4	Overall length	l <sub>1</sub>	mm	1860	1930	1860	1930
4.5	Length to face of forks	l <sub>2</sub>	mm	710		710	
4.6	Overall width	b <sub>1</sub>	mm	730		730	
4.7	Fork dimensions	s/e/l	mm	55/170/1150	55/170/1220	55/170/1150	55/170/1220
4.8	Distance between fork-arms	b <sub>5</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 x 1200 crossways	Ast	mm	2523		2523	
4.11	Aisle width for pallets 800 x 1200 lengthways	Ast	mm	2372		2372	
4.12	Turning radius	Wa	mm	1700		1700	
Performance data							
5.1	Travel speed, laden/unladen	km/h	km/h	5.5/6		9.0/12.0	
5.2	Lifting speed, laden/unladen		m/s	0.050/0.054		0.050/0.054	
5.3	Lowering speed, laden/unladen		m/s	0.067/0.054		0.067/0.054	
5.4	Max. gradeability, laden/unladen		%	8/16		8/16	
5.5	Service brake type			Electromagnetic		Electromagnetic	
Electric-engine							
6.1	Drive motor rating S2 60 min		kW	1.6		2.5	
6.2	Lift motor rating at S3 15%		kW	2.2		2.2	
6.3	The maximum allowed size battery		mm	550x190x500		550x190x500	
6.4	Battery voltage/nominal capacity K5		V/Ah	24/210		24/210	
6.5	Battery weight		kg	70		70	
Addition data							
7.1	Type of drive control			AC		AC	
7.2	Steering type			Electronic		Electronic	
7.3	Sound pressure level at the driver's ear		dB (A)	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.

# MISSION CRITICAL truck, SOPHISTICATED functions, lasting performance

The **MLIFT PBV20EAL / PBV20EAHL** forklift truck is a **superb turnaround performance truck**, designed to be **highly versatile across various applications**. The series boasts a **compact turning radius and 180-degree steering control**, allowing it to **navigate tight workspaces with ease**. It has perfect utility for **performing heavy-duty loading and unloading tasks**.

**PBV20EAL** equipped with a **powerful 1.5kw drive motor**, this truck achieves a **top speed of 6km/h**, allowing operators to perform long-distance shuttling without hitches. Using the latest **integrated Li-ion battery technology**, quick charging and electric power steering are standard features, with **additional high speed options** available for upgrade.



## Enhanced Operational Accuracy

- Powerful AC electric traction motors produce efficient results in load-handling
- Smart speed control limits truck performance when battery level falls below 10% to conserve battery life
- In-built battery alarms will sound when the battery levels fall below 10%, reducing maximum truck speed to 24% to maximise operational duration
- Automatic speed adjustments are enforced when handrails are put away, lowering maximum travel speed to 50% to protect operators

## Heavy Duty Mechanics

- IP54 ZAPI AC controller provides extra resistance against water regression
- Extended fork lengths of up to 2000mm enable increased load capacity
- Heavy-duty batteries of 210Ah allow for longer operating hours
- Wheel options include pattern driver tire and single or dual load wheels for optimum grip and endurance

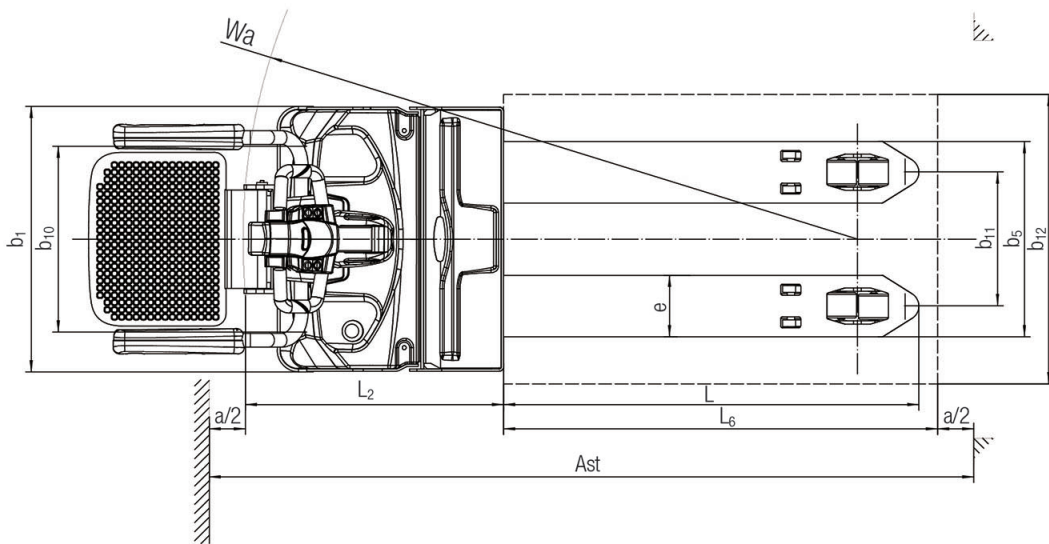
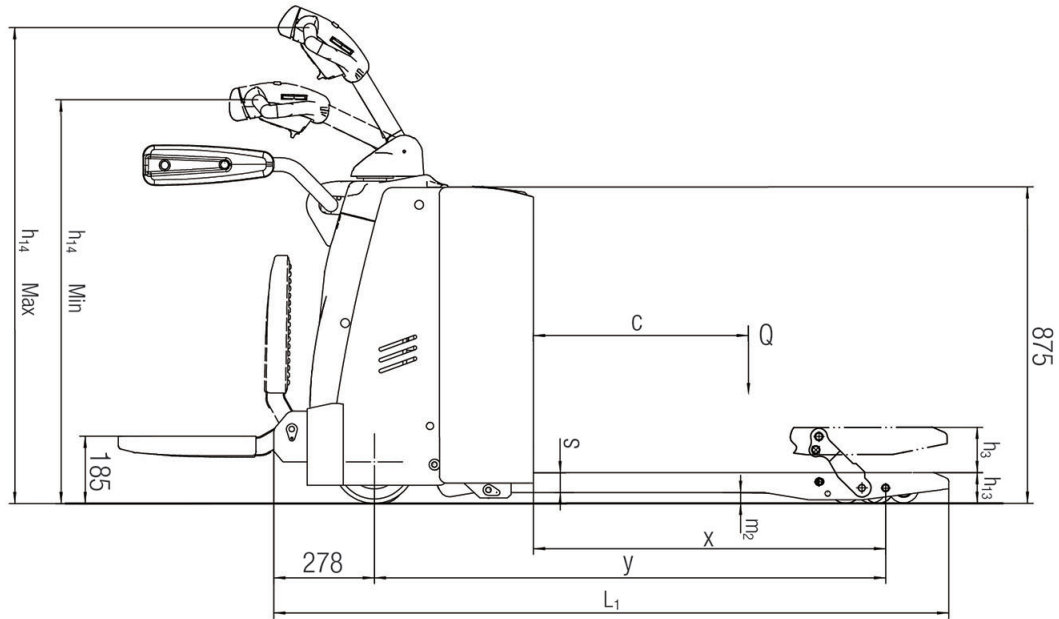
## Improved Load Stability

- Electromagnetic brakes ensure secure braking and prevent rollback on steep surfaces
- Low bottom frame keeps objects out of the way and prevents foot injuries
- Sophisticated control handle maintains precise load handling while managing fork movements on a mobile truck
- AMP connectors and electrical harnesses remain tough against wear-and-tear to boost truck resilience
- Low-profile pallet forks for improved visibility when handling smaller loads



## Hassle Free Maintenance

- LED display screen indicates operating hours, battery level and error code in a clear and concise manner
- Side-loading option for batteries facilitate convenient replacement and exchange
- Plug-in diagnostics optimize troubleshooting to reduce truck downtime
- Easy access to internal parts enables fuss-free inspection, maintenance and repairation



### Mast Option

Optional items	PBV20EAL / PBV20EAHL
Fork length	o1150/1220mm
Fork width	o540/600/685mm
Double load wheel	●
Single load wheel	●
Driving wheel	●PU
Balance wheel	●
Lateral Battery Change	o210AH
Half speed function in turning	●
Guard arm	●
Fork lowered height	●85mm
Special backrest	o1220mm (48in)/1520mm (60in)
Note:	● standard o option — NA