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NOBLELIFT

ATOM **3** **THIRD
GENERATION**

PTE15Q3-B

1500 kg Capacity



Why choose between price and quality **WHEN YOU CAN HAVE BOTH!**

HIGHLIGHTS

- ▶ The steel plate thickness throughout the vehicle is no less than 4mm.
- ▶ Gradeability under full load is $\geq 7\%$.
- ▶ Multiple braking methods.
- ▶ Compact body design + upright walking capability.
- ▶ Standard maintenance-free lithium iron phosphate battery.
- ▶ Plug-and-play charging with no specific sequence required.
- ▶ Optional truck charger for convenient on-site charging.
- ▶ Integrated installation of electronic control components and pump station unit ensures high maintainability.



ATOM

PTE15Q3-B

1500 kg Capacity

The newly upgraded ATOM lithium powered pallet truck showcases nimble performance with lighter weight, Providing an ideal solution for material handling in supermarkets, workshop internal logistics, and other occasions.

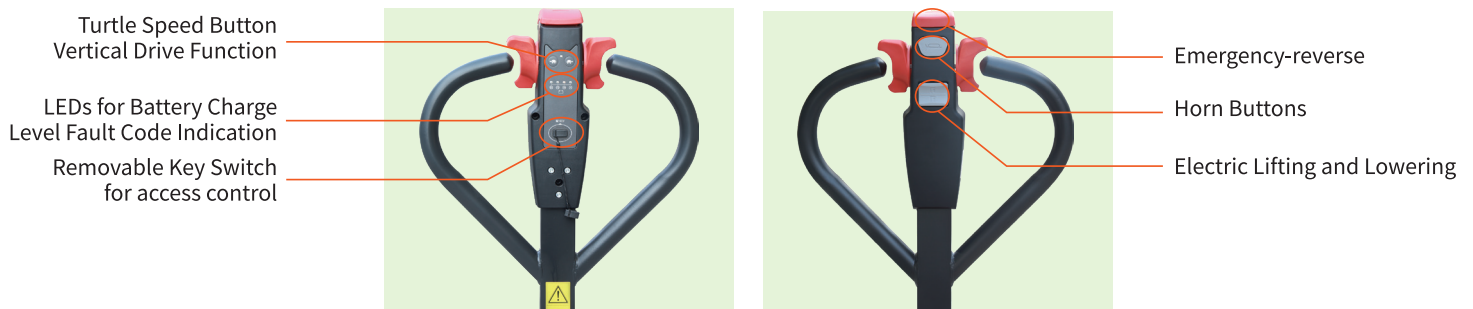
The battery is equipped with lithium iron phosphate as standard, which can be quickly replaced and used or charged at anytime.

Equipped with a high-power drive motor for responsive performance. It easily handles common obstacles such as surface protrusions and depressions, and ensures stable operation with a gradeability of no less than 7% even under full load. Its robust and reliable power output is engineered specifically for material handling, ramp climbing, and complex, mixed operating conditions.

Ergonomic & Smart Tiller

The tiller integrates multiple functions and is easy to operate. The standard power display and fault display make the status of truck clear at a glance, and also make management of truck much safer. All ergonomic switches and buttons are designed in the best accessible position for convenient operation.

Compact body design combined with upright travel capability enables efficient operation in confined spaces such as truck trailers, shipping containers, freight elevators, small warehouses, and supermarket aisles.

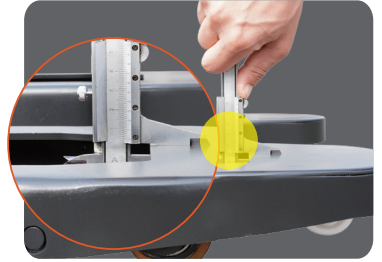


Grade ability & Robustness

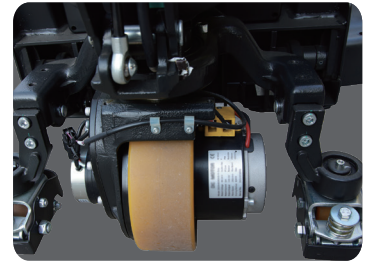
- ▶ The covering parts outside the frame not only provide a novel and unique shape for the product, but also play a good role in protecting the main components.



- ▶ The body structure utilizes steel plates with a minimum thickness of 4mm throughout, forming an industry-leading collision and torsion-resistant frame. This delivers a leap forward in strength and durability.



- ▶ A high-power core motor delivers robust performance, making light work of slopes and obstacles. With a laden gradeability of $\geq 7\%$, it easily handles warehouse ramps and loading docks. Ample power reserve ensures confident performance across diverse operating conditions.



Selected polyurethane wheels tackle demanding surfaces with ease, offering smooth and quiet operation that contributes to a better work environment.

Easy Maintenance & Smart Controlling System



- ▶ Easy Maintenance. Maintenance can be easily done just by removing the cover. And without removing the cover, you can only use the external programming port to diagnose faults.
- ▶ Multiple braking methods: Pressing the handle to brake, Pressing the emergency stop switch to prevent collisions with vehicles or pedestrians in emergencies, The belly switch protects the operator from injury, ensuring safety; The vehicle's braking performance is reliable, preventing rollback during slope operations.
- ▶ The controllers and pump station unit feature an integrated installation for enhanced maintainability; a tubeless design improves service convenience; the external programming port enables rapid fault diagnosis.

Smart & Replaceable Batteries for Pallet Trucks

Optional different battery capacities for various applications

The batteries of the Atom series are equipped with maintenance-free lithium iron phosphate batteries as standard, and its capacity can be selected according to different usage requirements.

Due to the fast charging and on-the-go characteristics of the lithium battery, the working time of the truck is significantly extended.



PTE15Q3-B



24V/20Ah

24V/40Ah



- ▶ Upgrade the battery's BMS functionality. Enhanced protection, foolproof operation, no charging sequence required, and battery switch upgrade.
- ▶ Optional Charger: For more convenient charging directly on the truck.
- ▶ Quick Battery Swap & Safety: Features a long-arm handle for easy battery replacement and rapid emergency power cutoff.



Min. **2~3** hours charge | Excellent Working Time

Optional Features

The form of the tail cover can be selected according to protection and pass-ability.



Steering wheels are optional.



Introduction of battery anti-theft function. (Optional lock)



Wider load wheels

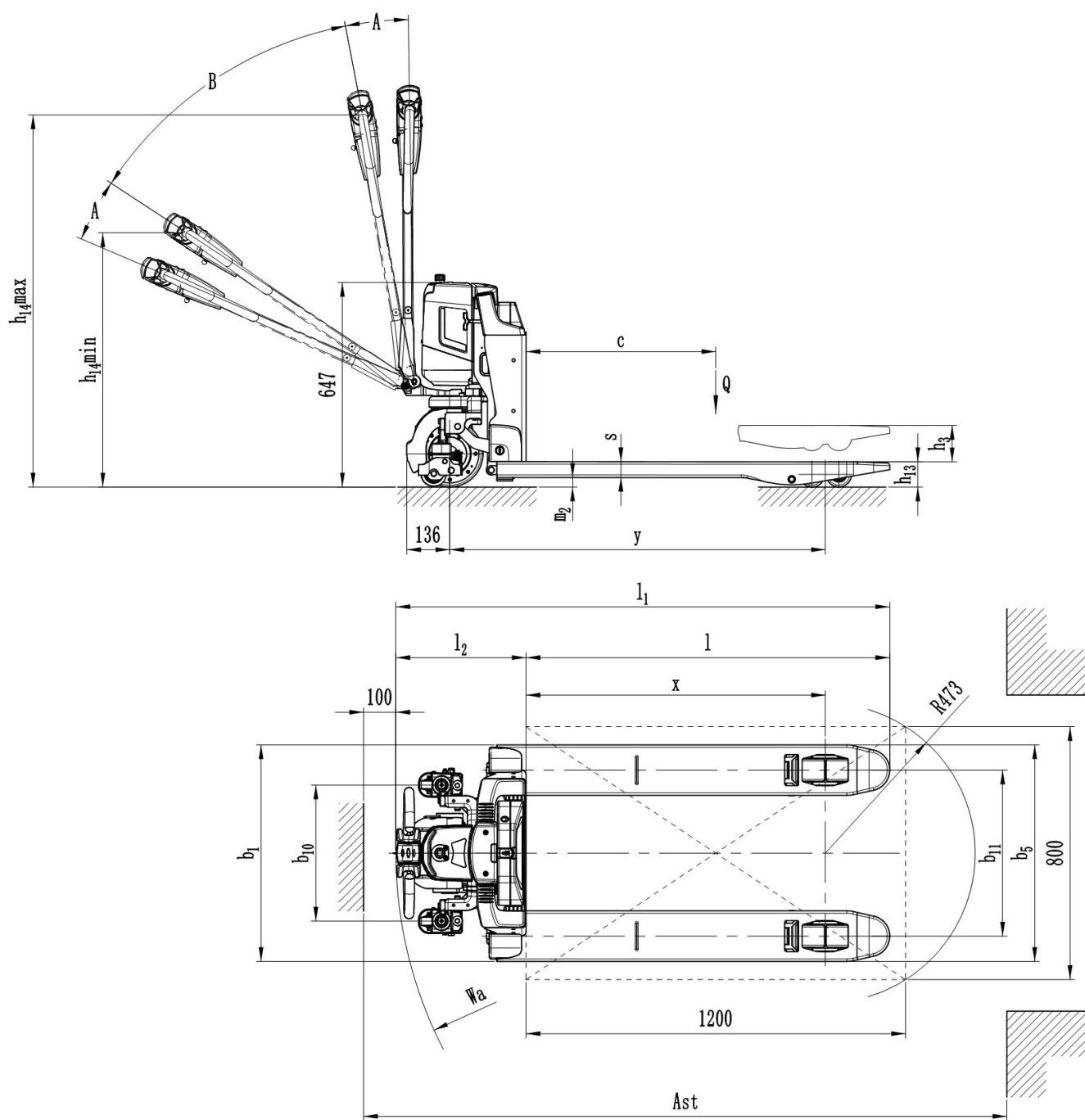


ATOM



Structural Diagram

PTE15Q3-B



Type sheet for industrial truck acc. to VDI 2198

NO.20260114

Distinguishing mark

1.2	Manufacturer' s type designation		PTE15Q3-B	
1.3	Drive: electric (battery type, mains, ...), diesel, petrol, fuel gas		Battery	
1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Pedestrian	
1.5	Rated capacity/ rated load	Q (t)	1.5	
1.6	Load centre distance	c (mm)	600	
1.8	Load distance, centre of drive axle to fork	x (mm)	947	
1.9	Wheelbase	y (mm)	1189	

Weight

2.1	Service weight	kg	122	126
2.2	Axle loading, laden front/ rear	kg	622/1000	611/1015
2.3	Axle loading, unladen front/ rear	kg	91/31	96/30

Tyres, chassis

3.1	Tires		Polyurethane (PU)	
3.2	Tire size, front	Øxw (mm)	Ø 210×75	
3.3	Tire size, rear	Øxw (mm)	Ø 80×70 (Ø 80×93)	
3.4	Additional wheels (dimensions)	Øxw (mm)	-/Ø 80×30	
3.5	Wheels, number front/ rear(x=driven wheels)		1x/ 2(1x/ 4) 或 1x+2/ 2(1x+2/ 4)	
3.6	Tread, front	b10 (mm)	-/430	
3.7	Tread, rear	b11 (mm)	380	525

Dimensions

4.4	Lift	h3 (mm)	115	
4.9	Height drawbar in driving position min./ max.	h14 (mm)	804/1177	
4.15	Height, lowered	h13 (mm)	80	
4.19	Overall length	l1 (mm)	1562	
4.20	Length to face of forks	l2 (mm)	412	
4.21	Overall width	b1 (mm)	540	685
4.22	Fork dimensions DIN ISO 2331	s/e/l (mm)	50 / 160 / 1150	
4.25	Fork spread	b5 (mm)	540	685
4.32	Ground clearance, centre of wheelbase	m2 (mm)	30	
4.34	Aisle width predetermined load dimensions	Ast (mm)	2034	
4.35	Turning radius	Wa (mm)	1358	

Performance

5.1	Travel speed, laden/ unladen	km/h	4.2/4.5	
5.2	Lift speed, laden/ unladen	m/s	0.012/0.021	
5.3	Lowering speed, laden/ unladen	m/s	0.05 / 0.035	
5.8	Max. gradeability, laden/ unladen	%	7/16	
5.10	Service brake		Electromagnetic	

Electric- engine

6.1	Drive motor rating S2 60min	kW	0.75	
6.2	Lift motor rating at S3 10%	kW	0.80	
6.3	Battery acc. to DIN 43531/35/36 A, B, C, no		No	
6.4	Battery voltage/ nominal capacity K5	V / Ah	24/20;24/40	
6.5	Battery weight	kg	5.4/8.5	
6.6	Energy consumption acc. to DIN EN 16796	kWh/h	/	

Addition data

8.1	Type of drive unit		DC	
8.4	Sound pressure level at driver' s seat	dB(A)	<70	

All specifications and figures are subject to change without notice for improvement.

A GLOBAL LEADER

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