



NOBLELIFT

Material Handling

ATOM

**ATOM Lithium
Powered Pallet truck**

ATOM PTE33Q Electric Pallet Truck



NOBLELIFT INTELLIGENT EQUIPMENT CO., LTD

www.noblelift.com

Ergonomic & Smart Tiller Design

The design of the tiller of PTE33Q trucks is based on the performance of the trucks, and it can fulfill all the set functions.

The tiller integrated with a variety of functions is portable to operate. The LCD displays the battery charge level and the fault code, which makes the truck condition clear at a glance and the truck management safer. All the switch buttons are integrated in the ergonomic touch position and can be easily reached by operators.



PTE33Q Standard Configuration



The structure of the truck is more compact than the traditional manual and semi-electric products, and is more efficient. It provides customers with a new solution that can replace manual and semi-electric products. More importantly, it can greatly reduce the physical damage to the operators caused by the long-term drag or lifting and lowering operation comparing to the traditional manual products. The light weight of the truck, without sacrificing the strength of frame, is very suitable for the spaces where the truck's weight is required.

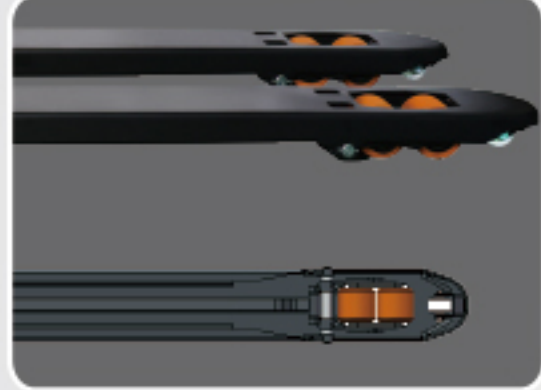


Gradeability performance & Robustness

The frame of the PTE33Q truck is surrounded and made from high quality steel giving the truck structural integrity to ensure longevity while protecting the components.



Forks of the truck with special shape for easy entrance and exit from pallets. Full length double sided C-shape reinforcements of forks significantly increase the strength and rigidity of the chassis.



Strong steel apron protects the operator's feet during work and secures the truck's components from collisions.



Robust & Smart Design of Chassis

Strong and compact structure of chassis helps to ensure long life-time of the truck, without sacrificing the truck's weight or putting under question the strength of frame.

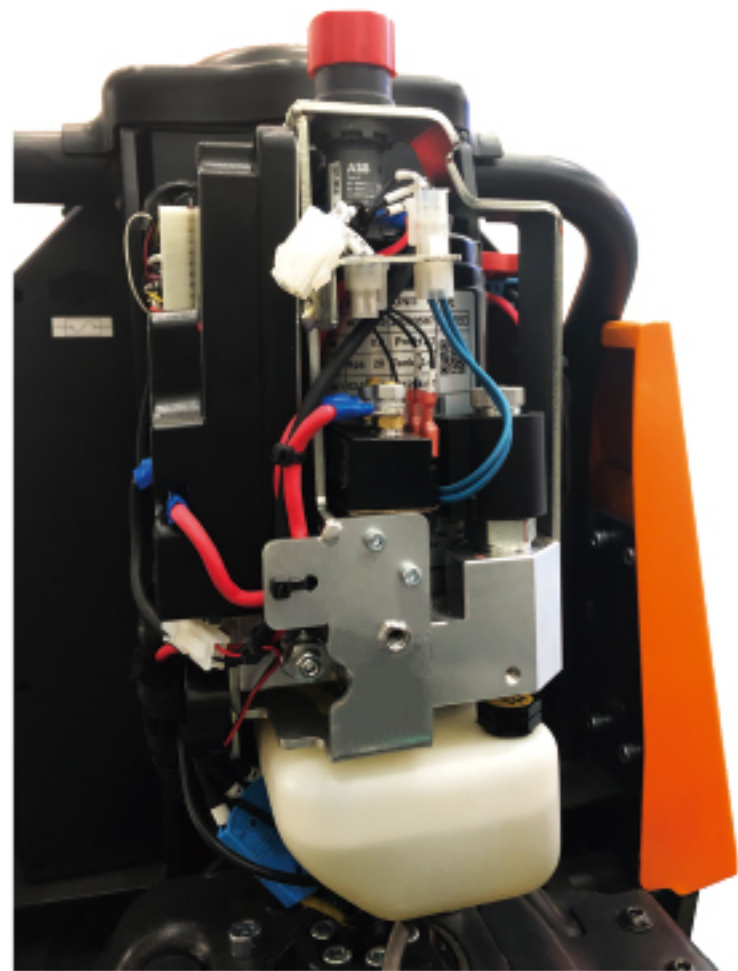


Capacity up to 3300 lbs and ability to overcome ramps up to 6/16% (laden/unladen) makes the truck suitable for work in loading docks and on delivery operations in different conditions.



Maintenance Friendly

Drive Motor with Intelligent Control



There are no hoses or pipes used in the hydraulic lifting circuit which significantly improves reliability and reduces the amount of potential problems related to leakages through connectors or their seals.

The truck is equipped with CAN-bus technology making diagnostic and troubleshooting easier.

Each battery can be diagnosed via CAN connection with the help of special software tool, the software can provide information about the battery condition.

CAN-bus



Optional stability casters for great stability for fragile goods transportation.



Smart & Replaceable Batteries for Pallet Trucks

Optional different battery capacities from 20Ah to 40Ah for various applications.

The PTE33Q trucks are equipped with maintenance-free Li-ion batteries, and optional capacities for various applications are available. With its fast charging and opportunity charging features (charge wherever you want and as long as time allows), the operation time can be extended significantly. All pallet trucks' batteries are located in battery compartments securely, any possibility of movements is excluded, therefore, the reliability of power supply is guaranteed.

The light weight of the battery makes it easy for a fast battery replacement for any operator.



Smart battery positioning and lock for great fixation and safety

Manage Productivity by Swapping out the Battery.



Socket on battery case for easy battery charging without necessity to take the battery out.

The PTE15Q trucks will automatically cut off the power supply, while the charger is connected with the battery charging socket, even if the charger is disconnected from the power outlet. Therefore, the safety is ensured and the possibility to damage the charger is excluded.



Min. 2 hours charge | Excellent Working Time

Optional

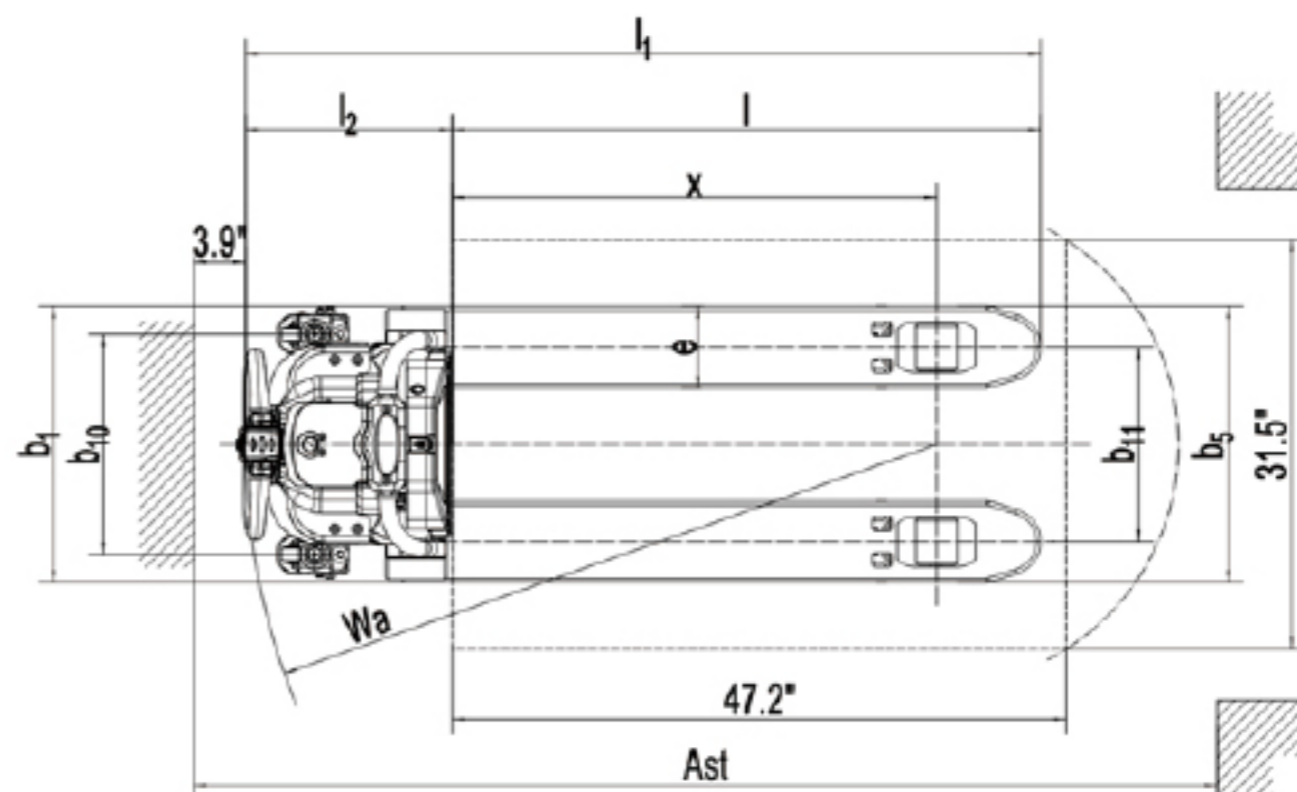
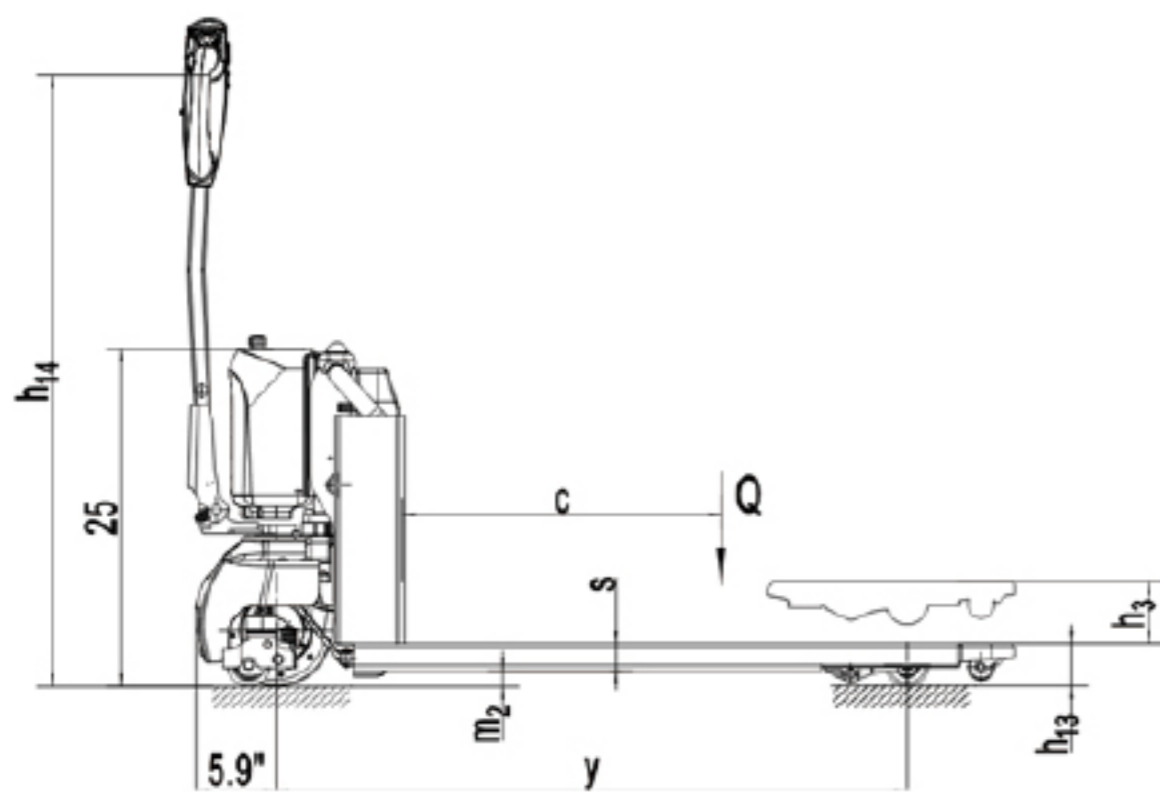
All Li-ion batteries are equipped with on-board Battery Management System (BMS), which provides mandatory control of all important parameters of the battery during charging and operation. With this control, the safety of Li-ion battery during the whole life-cycle is guaranteed. The Li-ion batteries are certified according to international safety transportation (by sea and by air) and operation standards. The BMS communicates with control system of the truck via CAN, the support of the CAN protocols allows to monitor the condition of the battery and make its diagnosis with help of special software which is available for our partners.



PTE33Q

● 3300Lbs Capacity **Li-ion**

- Perfect for light-duty applications.
- Compact and robust design.
- Light service weight.
- Fast-charging Li-ion batteries.
- Ideal for use on retail stores and lorries.
- Easy-battery replacement.



Type Sheet for Industrial Truck acc. To VDI 2198

Distinguishing mark

1.2	Manufacturer's type designation		PTE33Q
1.3	Drive		Battery
1.4	Operator type		Pedestrian
1.5	Load Capacity / rated load	Q (lbs)	3300
1.6	Load centre distance	c (in)	23.6
1.8	Load distance ,centre of drive axle to fork	x (in)	37.3
1.9	Wheelbase	y (in)	46.8

Weight

2.1	Service weight	lbs	258	269
2.2	Axle loading, laden front/rear	lbs	1067 / 2491	1073 / 2496
2.3	Axle loading, unladen front/rear	lbs	214 / 44	215 / 54

Tyres, chassis

3.1	Tires		Polyurethane (PU)	
3.2	Tire size, front	φ x w (in)	φ 8.66×2.76	
3.3	Tire size, rear	φ x w (in)	φ 3.15×3.66	
3.4	Additional wheels(dimensions)	φ x w (in)	-/ φ 3.15×1.18	
3.5	Wheels, number front/rear(x=driven wheels)		1x/ 2 or 1x +2/ 2	
3.6	Tread, front	b10 (in)	-/16.93	
3.7	Tread, rear	b11 (in)	14.96	20.67

Dimensions

4.4	Lift	h3 (in)	4.53	
4.9	Height of tiller in drive position min./ max.	h14 (in)	29.33 / 45.67	
4.15	Height, lowered	h13 (in)	3.15	
4.19	Overall length	l1 (in)	61.18	
4.20	Length to face of forks	l2 (in)	15.47	
4.21	Overall width	b1 (in)	21	27
4.22	Fork dimensions	s/e/l (in)	1.97 / 6.3 / 45.28	
4.25	Width Across Forks	b5 (in)	21	27
4.32	Ground clearance, centre of wheelbase	m2 (in)	1.18	
4.34	Aisle width for pallets31.5X47.2" lengthways (7.8" safe distance)	Ast (in)	79.25	
4.35	Turning radius	Wa (in)	52.76	

Performance data

5.1	Travel speed, laden/ unladen	mph	2.67/3.04	
5.2	Lift speed, laden/ unladen	fpm	2.95/4.33	
5.3	Lowering speed, laden/ unladen	fpm	9.84 / 5.07	
5.8	Max. gradeability, laden/ unladen	%	6/ 16	
5.10	Service brake		Electromagnetic	

Electric- engine

6.1	Drive motor rating S2 60min	HP	1.02	
6.2	Lift motor rating at S3 10%	HP	0.68	
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	lbs	14	
6.6	Energy consumption acc. to VDI cycle	kWh/h	0.25	

Addition data

8.1	Type of drive control		DC speed Control	
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The background of the top half of the page is a photograph of a Noblelift ATOM Lithium powered electric pallet truck. The truck is orange and black, with a red handle. It is positioned in a warehouse or industrial setting with a high ceiling and skylights. The truck is shown from a side-rear perspective, highlighting its compact design and the handle. The text is overlaid on an orange semi-transparent banner that covers the top half of the image.

Introduction

The new ATOM Lithium powered electric pallet truck is designed under the current industrial trend of light duty and Lithium power solution. It continues the concept of the Edge series pallet trucks with compact and smart design but with a target to minimize the cost in manufacturing to offer a more affordable powered light duty material handling solution to the end users.

The Atom continues to offer the function and solution usually for high-end electric pallet trucks including Can-bus Communication, Fault Code, Battery Discharging Indicator, Drive with the tiller in vertical position, Electric lift and lower control etc., make it the perfect solution for the material handling for retail, small warehouse and so on.

Smart lithium battery for fast charging and opportunity charging, no maintenance needed.

AUTHORIZED DEALER

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