PTE15Q/PTE20Q

ATOM Lithium Powered Pallet truck

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.

Ergonomic&Smart Tiller Design

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 humanized touch position and can be easily reached by operators.

ATOM 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.

Turning Radius:

1340MM

The truck can safely turn in confined areas.

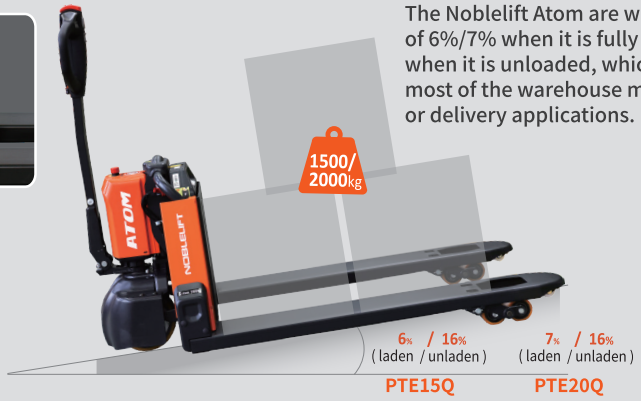
Grade ability & Robustness

The frame of the PTE15Q truck is surrounded by steel covers making the truck looking different and also ensuring the protection of components.

Forks with double sided C-shape reinforcements and at the fork tips significantly increase strength and rigidity of the frame.

The Noblelift Atom adopts the PMM (Permanent magnet motors) motors of 24V for 1500kg version PTE15Q and 48V for 2000kg version PTE20Q, with its advantages such as quiet, compact, affordable and more efficient. 210 mm wheel diameter, strong ability to pass over obstacles.

The Noblelift Atom are with grade-ability of 6%/7% when it is fully loaded, 16% when it is unloaded, which is applicable to most of the warehouse material handling or delivery applications.

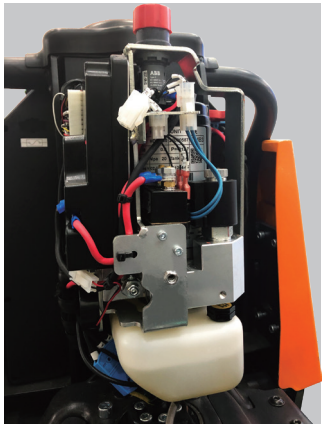


Robust & Smart Design of Chassis

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.

Maintenance Friendly

Drive Motor with Intelligent Control



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

The truck is equipped with intelligent controller and CAN-bus technology makes the diagnostic and troubleshooting easier.

CAN-bus

ATOM

- 1.5T/2.0T 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.

Smart & Replaceable Batteries for Pallet Trucks

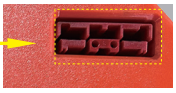
Optional different battery capacities from 20Ah to 40Ah for various applications.PTE20Q is equipped with the 48V20Ah Lithium-iron battery.

ATOM is equipped with maintenance-free Lithium Iron Phosphate battery with optional different capacities for various applications. With its fast charging and opportunity charging features, the service time of the truck is greatly improved.

Light weight of the battery and the easiest way of fast battery replacement allows even a female operator to replace.

Manage Your Working Time with Selection of Different Batteries and Charges.

PT E15-20Q2-A



PTE15-20Q2-B

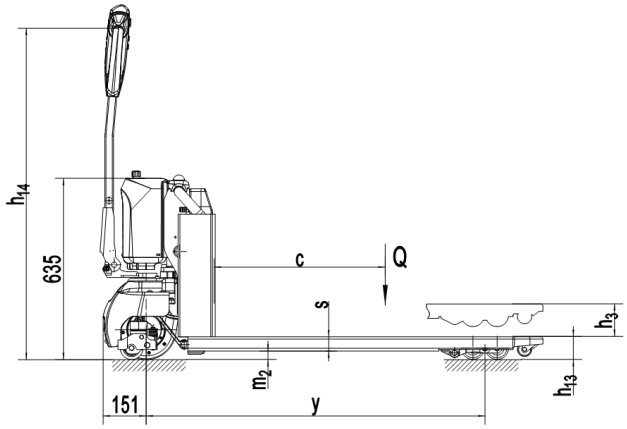
Socket on battery case for easy battery charging without necessity to take the battery out.

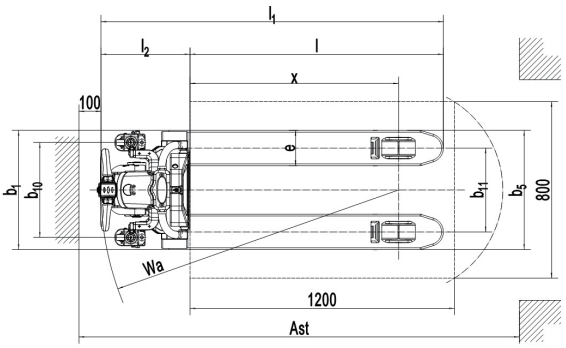
100% Min. 2~3 hours charge | Excellent Working Time

Optional big strong steel apron will not only protect the operators' feet but also protect the internal components.

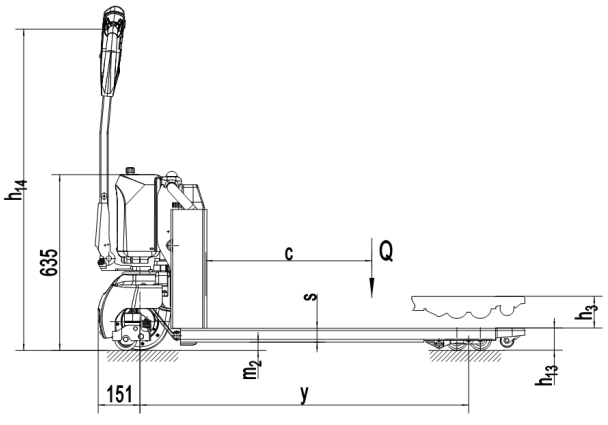
Optional stability casters for great stability for fragile good transportation.

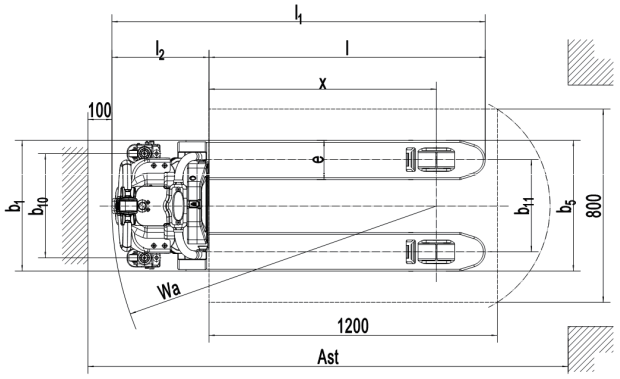
PTE15-20Q-A





PTE15-20Q-B





Type sheet for industrial truck acc. to VDI 2198

Distinguishing mark										
1.2	Manufacturer's type designation		PTE15Q-A		PTE20Q-A		PTE15Q-B		PTE20Q-B	
1.3	Drive: electric (battery type, mains, ...), diesel, petrol, fuel gas		Battery				Battery			
1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Pedestrian				Pedestrian			
1.5	Rated capacity/ rated load	Q (t)	1.5		2.0		1.5		2.0	
1.6	Load centre distance	c (mm)	600				600			
1.8	Load distance, centre of drive axle to fork	x (mm)	947				947			
1.9	Wheelbase	y (mm)	1189				1189			
Weight										
2.1	Service weight	kg	115	120	130	135	117	122	132	137
2.2	Axle loading, laden front/ rear	kg	483/1132	486/1134	492/1638	494/1641	485/1132	488/1134	494/1638	496/1641
2.3	Axle loading, unladen front/ rear	kg	93/22	96/24	100/30	102/33	97/20	98/24	102/30	104/33
Tyres, chassis										
3.1	Tires		Polyurethane (PU)				Polyurethane (PU)			
3.2	Tire size, front	Øxw (mm)	Ø 210×75				Ø 210×75			
3.3	Tire size, rear	Øxw (mm)	Ø 80×70 (Ø 80×93)				Ø 80×70 (Ø 80×93)			
3.4	Additional wheels (dimensions)	Øxw (mm)	-/Ø 80×30				-/Ø 80×30			
3.5	Wheels, number front/ rear(x=driven wheels)		1x/ 2(1x/ 4) or 1x +2/ 2(1x +2/ 4)				1x/ 2(1x/ 4) or 1x +2/ 2(1x +2/ 4)			
3.6	Tread, front	b10 (mm)	-/430				-/430			
3.7	Tread, rear	b11 (mm)	380	525	380	525	380	525	380	525
Dimensions										
4.4	Lift	h3 (mm)	115				115			
4.9	Height drawbar in driving position min./ max.	h14 (mm)	745 / 1160				745 / 1160			
4.15	Height, lowered	h13 (mm)	80				80			
4.19	Overall length	l1 (mm)	1543				1543			
4.20	Length to face of forks	l2 (mm)	393				393			
4.21	Overall width	b1 (mm)	540	685	540	685	540	685	540	685
4.22	Fork dimensions DIN ISO 2331	s/e/l (mm)	50 / 160 / 1150				50 / 160 / 1150			
4.25	Fork spread	b5 (mm)	540	685	540	685	540	685	540	685
4.32	Ground clearance, centre of wheelbase	m2 (mm)	30				30			
4.34	Aisle width predetermined load dimensions	Ast (mm)	2013				2013			
4.35	Turning radius	Wa (mm)	1340				1340			
Performance										
5.1	Travel speed, laden/ unladen	km/h	4.3/4.9		4.9/4.9		4.3/4.9		4.9/4.9	
5.2	Lift speed, laden/ unladen	m/s	0.015/0.022		0.016/0.019		0.015/0.022		0.016/0.019	
5.3	Lowering speed, laden/ unladen	m/s	0.05/0.026		0.052/0.02		0.05/0.026		0.052/0.023	
5.8	Max. gradeability, laden/ unladen	%	6/16		7/16		6/16		7/16	
5.10	Service brake		Electromagnetic				Electromagnetic			
Electric- engine										
6.1	Drive motor rating S2 60min	kW	0.75		1.0		0.75		1.0	
6.2	Lift motor rating at S3 10%	kW	0.50		0.8		0.50		0.8	
6.3	Battery acc. to DIN 43531/35/36 A, B, C, no		No				No			
6.4	Battery voltage/ nominal capacity K5	V / Ah	24/20; 24/30; 24/50		48/20		24/20; 24/40		48/20	
6.5	Battery weight	kg	6.3		8.1		6.5		9.0	
6.6	Energy consumption acc. to DIN EN 16796	kWh/h	0.17		0.25		0.17		0.25	
Addition data										
8.1	Type of drive unit		DC				DC			
8.4	Sound pressure level at driver's seat	dB(A)	<70				<70			