

Type Sheet for Industrial Truck acc. To VDI 2198

Distinguishing mark				
1.2	Manufacturer's type designation		PTE15Q	
1.3	Drive		Battery	
1.4	Operator type		Pedestrian	
1.5	Load 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	127	131
2.2	Axle loading, laden front/rear	kg	626 / 1001	629 / 1002
2.3	Axle loading, unladen front/rear	kg	99 / 28	102 / 29
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) 0r 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 of tiller in drive position min./ max.	h14 (mm)	655 / 1160	
4.15	Height, lowered	h13 (mm)	80	
4.19	Overall length	l1 (mm)	1543	
4.20	Length to face of forks	l2 (mm)	393	
4.21	Overall width	b1 (mm)	540	685
4.22	Fork dimensions	s/e1 (mm)	50 / 160 / 1150	
4.25	Width Across Forks	b5 (mm)	540	685
4.32	Ground clearance, centre of wheelbase	m2 (mm)	30	
4.34	Aisle width for pallets800X1200 lengthways (200mm safe distance)	Ast (mm)	2013	
4.35	Turning radius	Wa (mm)	1340	
Performance data				
5.1	Travel speed, laden/ unladen	km/h	4.3/4.9	
5.2	Lift speed, laden/ unladen	m/s	0.015/0.022	
5.3	Lowering speed, laden/ unladen	m/s	0.05 / 0.026	
5.8	Max. gradeability, laden/ unladen	%	6/ 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	0.50	
6.3	Battery acc. to DIN 43531/ 35/ 36 A, B, C, no		No	
6.4	Battery voltage, nominal capacity K5	V / Ah	24 / 23(24 /46)	
6.5	Battery weight	kg	6.5	
6.6	Energy consumption acc. to VDI cycle	kWh/h	0.25	
Addition data				
8.1	Type of drive control		DC speed Control	
8.4	Sound level at driver's ear acc. to EN 12053	dB(A)	<70	

## 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 perfecta solution for the material handling for retail, small warehouse and so on.

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

**LOADSURFER**  
THE PROFESSIONAL PALLET MOVER

Material Handling

**ATOM**

**ATOM Lithium  
Powered Pallet truck**

ATOM PTE15Q Electric Pallet Truck



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## 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.

### PTE15Q 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.



## 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.

Using 24V DC permanent magnet motor technology, mute. 210 mm wheel diameter, strong ability to pass over obstacles.

### 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 1500kg 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 Curtis 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 Curtis controller and CAN-bus technology makes the diagnostic and troubleshooting easier.



### PTE15Q • 1.5T 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

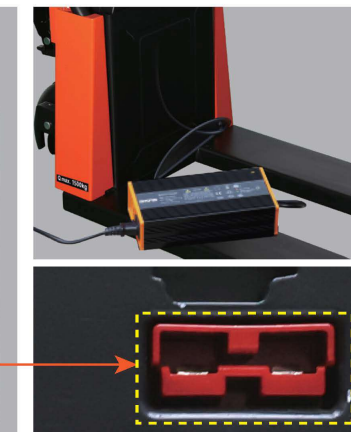
### Optional different battery capacities from 23Ah to 46Ah for various applications.

PTE15Q 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.



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.

