

# PTE18L

## Economic Long-tiller Electric Pallet Truck

### INTRODUCTION

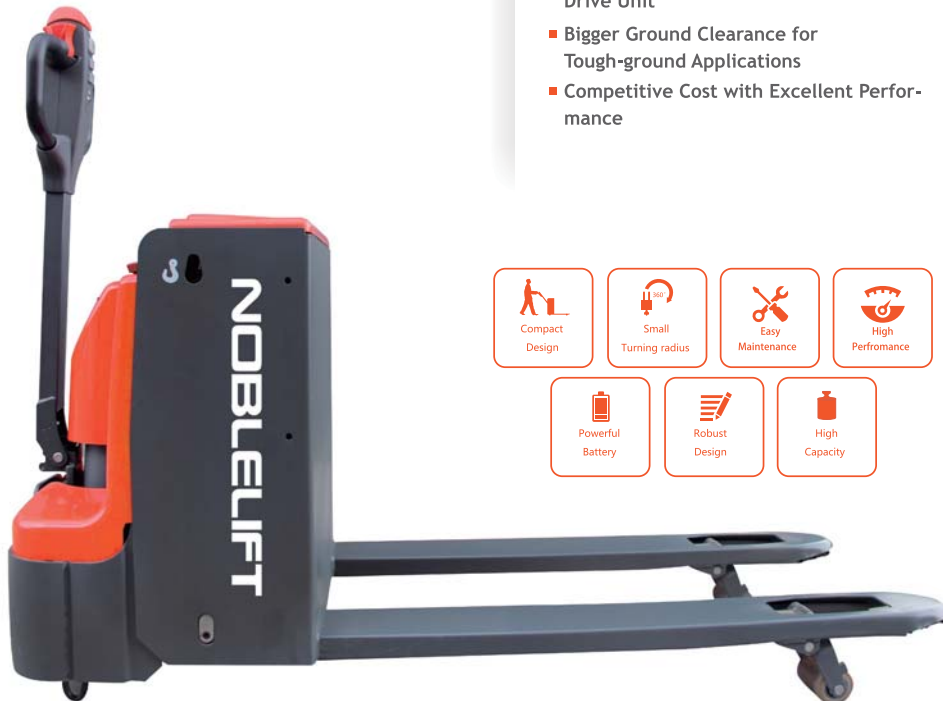
The PTE18L Electric Pallet Truck is the ideal choice for material transportation in short-distance or trailer loading/unloading. It is developed based on PT20L targeting to markets such as North American market. It is equipped with AC drive unit, Curtis Controller and maintenance-free battery and built-in charger, competitive in cost with attractive price comparing to counterparts in the industry.

**WITH HIGH PRICE/  
PERFORMANCE RATIO**

- Continuous work of 7 hours
- Adapt to any conditions

### ADVANTAGE:

- Ergonomic, Compact and Safe Long Tiller Design
- High Performance Maintenance-free AC Drive Unit
- Bigger Ground Clearance for Tough-ground Applications
- Competitive Cost with Excellent Performance



#### Creep Button

Creep/Slow speed button for safe and easy operation esp. in confined spaces such as steering in the trailer.



#### Built-in Charger

The built-in charger is located above the battery, easy charging after opening the battery cover.



#### Bigger ground clearance

Bigger ground clearance, for easy operation for uneven grounds with potholes or small obstacles such as small thresholds or on trailers with lifting gates.



#### Robust and Reliable Design

The robust chassis with the strong 8mm thick apron protects the truck and the components against mechanical battery cover ensures the battery well protected. IP54 protection for the controller for safe operation for delivery applications where the dust and water droplets is common.

Pallet Truck

### Big capacity Maintenance-free Battery

Equipped with 160Ah maintenance-free battery, with working time 12 hours according to the VDI calculation, or for continuous work of 7 hours.

There are many advantages comparing to lead-acid battery:

No acid refilling maintenance;

Less cable corrosion with the connection pile head;

More protection on over-charging;

Bigger initiating current;

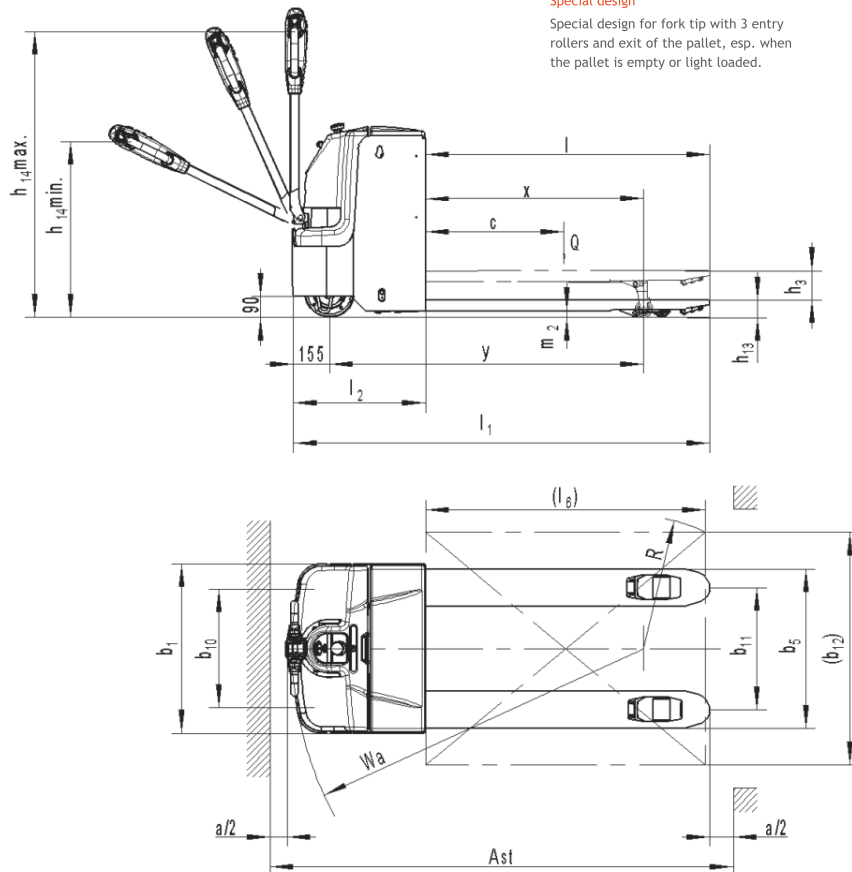
Longer electricity storage time;

More environment-friendly.



#### Special design

Special design for fork tip with 3 entry rollers and exit of the pallet, esp. when the pallet is empty or light loaded.



### Type sheet for industrial truck acc. to VDI 2198

<b>Distinguishing mark</b>	1.2	Manufacturer's type designation		PTE18L
	1.3	Drive		Battery
	1.4	Operator type		Pedestrian
	1.5	Load Capacity / rated load	Q (t)	1.8
	1.6	Load centre distance	c (mm)	600
<b>Weight</b>	1.8	Load distance ,centre of drive axle to fork	x (mm)	948 <sup>1)</sup>
	1.9	Wheelbase	y (mm)	1360 <sup>1)</sup>
	2.1	Service weight	kg	415
	2.2	Axle loading, laden front/rear	kg	785/1430
	2.3	Axle loading, unladen front/rear	kg	335/80
<b>Tires, chassis</b>	3.1	Tires		Polyurethane (PU)
	3.2	Tire size, front	$\varnothing \times w$ (mm)	$\varnothing 210 \times 70$
	3.3	Tire size, rear	$\varnothing \times w$ (mm)	$\varnothing 74 \times 100$
	3.4	Additional wheels (dimensions)	$\varnothing \times w$ (mm)	/
	3.5	Wheels, number front/rear (x=driven wheels)		1x +2
	3.6	Tread, front	$b_{10}$ (mm)	560
	3.7	Tread, rear	$b_{11}$ (mm)	525
<b>Dimensions</b>	4.4	Lift	$h_3$ (mm)	120
	4.9	Height of tiller in drive position min./ max.	$h_{14}$ (mm)	770/1230
	4.15	Height, lowered	$h_{13}$ (mm)	75
	4.19	Overall length	$l_1$ (mm)	1790
	4.20	Length to face of forks	$l_2$ (mm)	570
	4.21	Overall width	$b_1$ (mm)	729
	4.22	Fork dimensions	s/e/l (mm)	50/160/1220(1150)
	4.25	Width across forks	$b_5$ (mm)	685
	4.32	Ground clearance, centre of wheelbase	$m_2$ (mm)	25
	4.34	Aisle width for pallets 800x1200 lengthways (200mm safe distance)	$Ast$ (mm)	2270
	4.35	Turning radius	$Wa$ (mm)	1525 <sup>1)</sup>
<b>Performance data</b>	5.1	Travel speed, laden/ unladen	km/h	5.0/5.2
	5.2	Lift speed, laden/ unladen	m/s	0.025/0.030
	5.3	Lowering speed, laden/ unladen	m/s	0.030/0.025
	5.8	Max. gradeability, laden/ unladen	%	8/12
	5.10	Service brake		Electromagnetic
<b>Electric- engine</b>	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		/
	6.4	Battery voltage, nominal capacity K5	V / Ah	24/160
	6.5	Battery weight	kg	145
	6.6	Energy consumption acc. to VDI cycle	kWh/h	0.30
<b>Additional data</b>	8.1	Type of drive control		DC speed Control
	8.4	Sound level at driver's ear acc. to EN 12053	dB(A)	69

1) Load section lowered: +62mm