

# PT 16L / PT 20L / PT 25L

Electric Pedestrian Power Pallet Truck  
with capacities of 1600/ 2000/ 2500kg

NEW!

- Ergonomic, Compact and Safe Long Tiller Design
- Reliable and Strong Chassis
- Powerful, Maintenance Free German AC Power Train
- Core Components from Top Quality Brands

## INTRODUCTION

The PT16L- 25L series is the first choice for truck loading and unloading as well for universal transportation on short distances with capacities from 1600kg up to 2500kg.

With the short chassis length (PT 16L) the truck is tailored to operate in confined areas.

With its high- quality and state of the art top-brand components and technologies, the truck competes with leading well- known brands in the market.



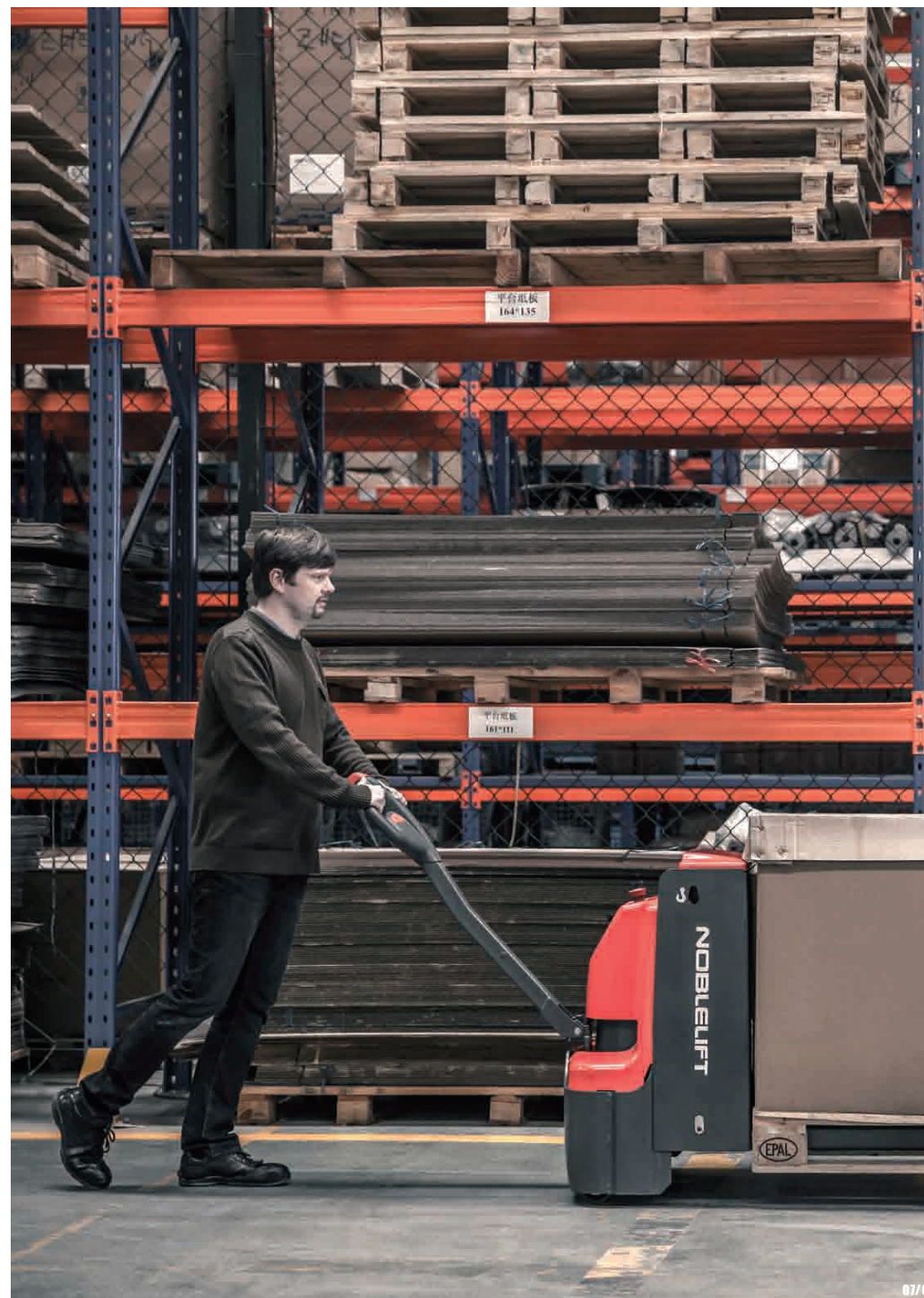
PT 16L

### Top brand qualified components

Using high quality core components:

- Reliable multifunctional REMA tiller with ergonomic contactless rocker- switches
- Top quality Schabmueller AC drive motor
- Kordel gearbox
- Intorque brake
- Wicke drive wheel
- Zapi controller

The used parts reduce high service costs and give you the performance and reliability which is required for the most demanding harsh loading- and unloading operations.





**Robust and reliable design**

The robust chassis with the strong 8mm thick apron protects the truck and the components against mechanical impacts from the outside.

In combination with the strong metal battery cover, the truck is well- equipped to reduce service work and damages to a minimum.

Dirty floor environments have less influence to the vertical AC motor design as the components and the brake are out of the reach of direct impacts. IP 54 protected controller, safe against dust and splash water.

**German AC drive technology**

The powerful German Schabmueller maintenance free AC Drive motor in combination with the German Kordel gearbox, Intorque brake and Wicke drive wheel give best performance, efficiency and reliability to reduce the running costs! Whatever desired, the AC Drive gives always the right response: gentle or fast acceleration.



**Long tiller design for ergonomics and safety**



In particular through the long tiller design the operator can always keep a safe distance to the truck during proceeding the work very ergonomically. The design ensures lower operational forces than trucks with a short tiller. The tillers operating height is naturally positioned to ergonomic, operator friendly controlling positions.

**CANBUS technology**

The CANBUS technology is due to less wiring more reliable. For maintenance the CANBUS technology makes analysis and adjustments easier so that the downtime is lower than for trucks without CANBUS. Digital signals further makes parts longer lasting than analogue signals.

**CAN-BUS**

**Maintenance friendly**



The trucks design and the used components are tailored to make service and maintenance easy. All components are easy to reach when removing the main cover only with 2 screws, drive- and castor wheel are easy to exchange without craning the truck.

**Long lasting battery capacities**

With the PT-L series for every application the right battery:

- PT 16L with 165 Ah 2VBS battery with very short truck length and maneuverability for restricted operating areas.
- PT 20L with 210 Ah DIN 2PzS battery
- PT 25L with 350 AH DIN 3PzS battery and as standard with sideways battery exchange for long operations and multi- shifts.

Optional sideways battery exchange compartment for PT20L with 210 Ah battery.



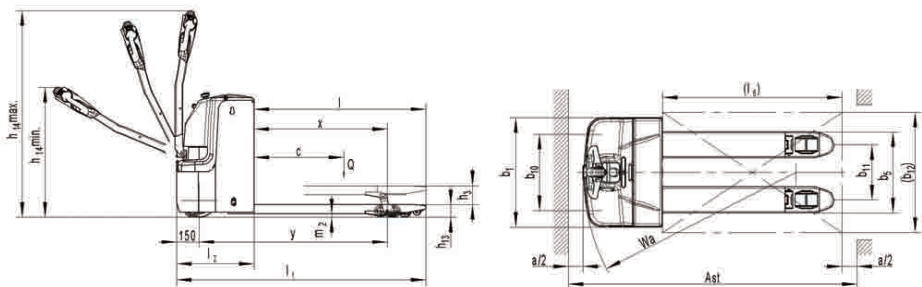
**PT 25L**

**Various options**

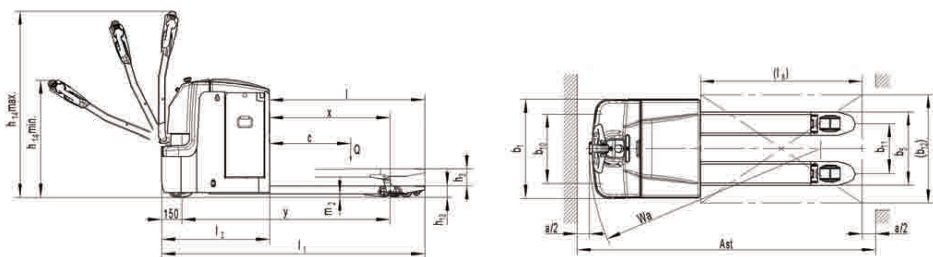
- Load backrest
- Sideways battery exchange
- Different fork-versions on request

Entry rollers as standard.

## PT 16/20L



## PT 25L



Type sheet for industrial truck acc. to VDI 2198 1tKG=2.2tLb 1INCH=25.4MM

			PT 16L	PT 20L	PT 25L	
<b>Distinguishing mark</b>	1.2	Manufacturer's type designation		Battery		
	1.3	Power (battery, diesel, petrol, gas, manual)		Pedestrian		
	1.4	Operator type				
	1.5	Load Capacity / rated load	Q(t)	1.6	2.0	2.5
	1.6	Load centre distance	c(mm)		600	
	1.8	Load distance, centre of drive axle to fork	x(mm)		892	
1.9	Wheelbase	Y(mm)	1261	1327	1541	
<b>Weight</b>	2.1	Service weight	kg	445	535	720
	2.2	Axle loading, laden front/rear	kg	715/1330	855/1680	1040/2200
	2.3	Axle loading, unladen front/rear	kg	345/100	415/120	540/200
<b>Tires, chassis</b>	3.1	Tires		Polyurethane (PU)		
	3.2	Tire size, front	Øxw (mm)	Ø230x70		
	3.3	Tire size, rear	Øxw (mm)	Ø84x84		
	3.4	Additional wheels (dimensions)	Øxw (mm)	Ø100x40		
	3.5	Wheels, number front/rear(x=driven wheels)		1x+2/4		
	3.6	Track, front	b10mm	510		
	3.7	Track, rear	b11 (mm)	367/512		
<b>Dimensions</b>	4.4	Lift height	h3 (mm)	125		
	4.9	Height of tiller in drive position min./ max.	h14mm	800/1335		
	4.15	Height, lowered t	h13mm	85		
	4.19	Overall length	l1mm	1670	1735	1950
	4.20	Length to face of forks	l2mm	520	595	810
	4.21	Overall width	b1mm	729		
	4.22	Fork dimensions	s/e/l (mm)	60/173/1150		
	4.25	Distance between fork-arms	b5 (mm)	540/685		
	4.32	Ground clearance, centre of wheelbase	m2mm	25		
	4.33	Aisle width for pallets 1000X1200 crossways	Ast (mm)	1885	1955	2175
	4.34	Aisle width for pallets 800X1200 lengthways	Ast (mm)	1935	2005	2225
4.35	Turning radius	Wa (mm)	1440	1490	1750	
<b>Performance</b>	5.1	Travel speed, laden/ unladen	km/h	5.7/6.0		
	5.2	Lift speed, laden/ unladen	m/s	0.025/0.035	0.022/0.030	0.035/0.045
	5.3	Lowering speed, laden/ unladen	m/s	0.035/0.030	0.035/0.035	0.040/0.040
	5.8	Max. gradeability, laden/ unladen	%	8/15		
	5.10	Service brake		Electromagnetic		
<b>Motors</b>	6.1	Drive motor rating S2 60min	kW	1.3	1.7	
	6.2	Lift motor rating at S3 4.5%	kW	0.8	2.2	
	6.3	Battery acc. to DIN 43531/35/36 A, B, C, no		2VBS	2PzS	3PzS
	6.4	Battery voltage, nominal capacity K5	V/Ah	160	210	350
	6.5	Battery weight (minimum)	kg	150	215	285
	6.6	Energy consumption acc. to VDI cycle	KWh/h	0.44	0.39	0.92
8.1	Type of drive control		AC-Speed Control			
8.4	Sound level at driver's ear acc. to EN 12053	dB(A)	67	69	65	