

PT16L - PT20L - PT25L

Electric walkie pallet truck with load capacities of 1600, 2000 and 2500 kg



INTRODUCTION

The PT L range of pallet trucks, thanks to its design incorporating top-of-the-range components, is at the cutting edge of technology, placing it in the 'premium' segment of the electric pallet truck market.

// ADVANTAGES

- Ergonomic, compact and manoeuvrable
- High-performance and robust
- Powerful, maintenance-free AC motor
- Key components sourced from premium brands



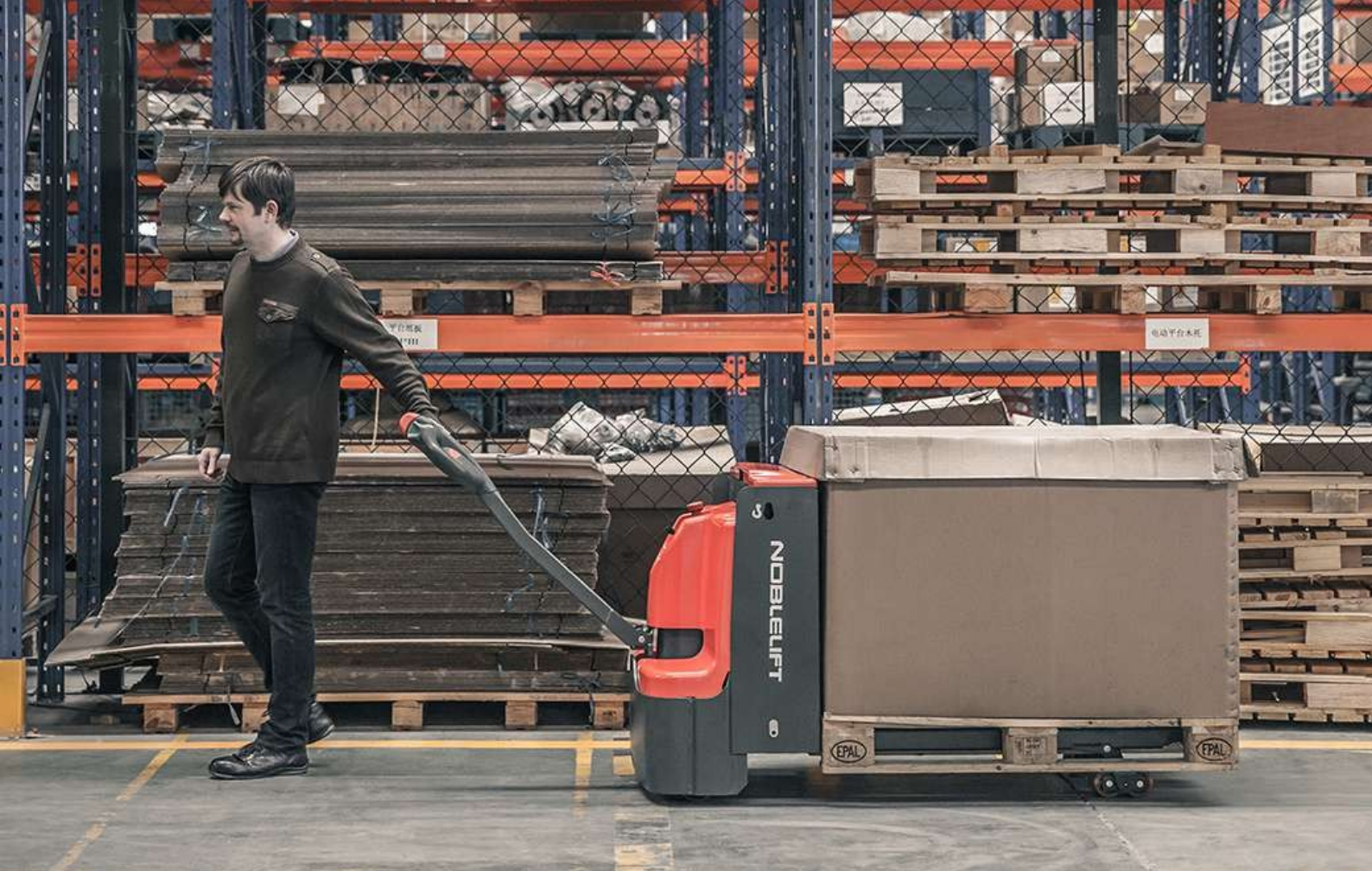
PT16L



PT20L



PT25L



German AC drive motor

The power of the German Schabmüller AC motor, combined with the German Kordel gearbox, the Intorq brake and Wicke steering wheels, is the perfect combination of performance, safety and flexibility, capable of adapting to all operating conditions.



Long tiller for improved ergonomics and safety

A long tiller allows the user to maintain an ideal safety distance from the pallet truck. Its design ensures less effort is required compared to other pallet trucks fitted with a short tiller. The height of the tiller provides greater ergonomics and comfort. Thanks to its ergonomic tiller, the operator can easily access all the pallet truck's controls.



CAN-BUS technology

The CAN-BUS (multiplexing) technology used enhances the reliability of the equipment and reduces downtime during routine maintenance operations.

CAN-BUS

Ease of Maintenance

The pallet truck's design and the components used have been devised to facilitate maintenance and servicing by technicians.

All components are easily accessible by removing the cover, which is secured by just two screws. The wheels and rollers are easy to replace without having to tilt the pallet truck.



Long-lasting and high-capacity

Each PT L is fitted with a battery suited to a specific application:

- The PT16L is fitted with a 2 VBS, 160 Ah battery for short, manoeuvrable pallet trucks used in confined spaces;
- The PT20L is fitted with a 2 PzS DIN 210 Ah battery;
- The PT25L is fitted with a 3 PzS DIN 350 Ah battery with side-extraction as standard for long-term and across multiple shifts.



Robust and reliable design

The PT L range of pallet trucks features an extremely robust thick chassis.

The battery cover is made of steel to minimise maintenance costs and potential damage.

By design, the drive motor and brake are very well protected.

The Zapi drive unit (IP 54) is protected against dust and water splashes. Furthermore, thanks to this drive unit, the PT20L range is fully configurable and adaptable to the needs of each user.

Options

- Load backrest
- Fork dimensions available on request
- Centralised charging



PT20L

HIGH-END COMPONENTS



Rema multi-function tiller with ergonomic touch-free switches
(German)

Schabmüller AC traction motor
(German)



Kordel gearbox
(German)

Intorq brakes
(German)



Wicke steering wheels
(German)

Zapi speed controller or CURTIS
(Italian)



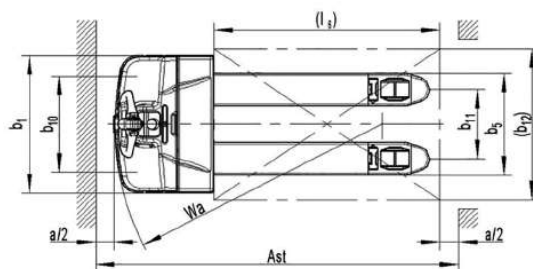
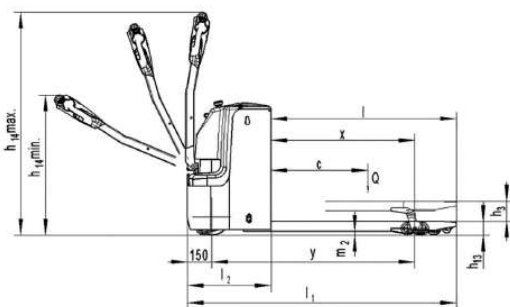
Schaltbau contactors and **Pepperl+Fuchs**
(German)

SPE or **ATIB** chargers
(Italian)



The components used reduce maintenance costs and guarantee the performance and reliability required for the most demanding tasks.

3. Electric pallet trucks



Technical specifications in accordance with VDI 2198

Specifications	1.2	Part number - Model		PT16L	PT20L	PT25L
	1.3	Drive type		electric		
	1.4	Drive type		accompanying		
	1.5	Rated capacity	Q (t)	1.6	2	2.5
	1.6	Centre of gravity	c (mm)	600	600	600
	1.8	Distance from the apron to the roller centreline	x (mm)	892	892	892
	1.9	Wheelbase	y (mm)	1261	1327	1541
Weight	2.1	Weight with batteries	kg	445	535	720
	2.2	Axle load with front/rear load	kg	715 / 1330	855 / 1680	1040 / 2200
	2.3	Axle load without front/rear load	kg	345 / 100	415 / 120	540 / 200
Wheels Chassis	3.1	Wheels		polyurethane (PU)		
	3.2	Drive wheel dimensions	Ø x w (mm)	Ø 230 x 70	Ø 230 x 70	Ø 230 x 70
	3.3	Front roller dimensions	Ø x w (mm)	Ø 84 x 84	Ø 84 x 84	Ø 84 x 84
	3.4	Dimensions of stabiliser wheels	Ø x w (mm)	Ø 100 x 40	Ø 100 x 40	Ø 100 x 40
	3.5	Number of front/rear wheels (x = drive wheel)		1 x + 2 / 4	1 x + 2 / 4	1 x + 2 / 4
	3.6	Wheelbase	b10 (mm)	510	510	510
	3.7	Rear wheel track	b11 (mm)	367 / 512	367 / 512	367 / 512
Dimensions	4.4	Standard stroke	h3 (mm)	125	125	125
	4.9	Drawbar height in minimum/maximum driving position	h14 (mm)	800 / 1335	800 / 1335	800 / 1335
	4.15	Minimum fork height	h13 (mm)	85	85	85
	4.19	Overall length	l1 (mm)	1670	1735	1950
	4.20	Length without forks	l2 (mm)	520	595	810
	4.21	Overall width	b1 (mm)	729	729	729
	4.22	Fork dimensions	s / e / l (mm)	60 / 173 / 1150	60 / 173 / 1150	60 / 173 / 1150
	4.25	Outer fork width	b5 (mm)	540 / 685	540 / 685	540 / 685
	4.32	Ground clearance	m ² (mm)	25	25	25
	4.33	Aisle width with 1000 x 1200 mm pallet placed crosswise	Ast (mm)	1885	1955	2175
	4.34	Aisle width with 800 x 1200 mm pallet in longitudinal position	Ast (mm)	1935	2005	2225
Performance	4.35	Turning radius	Wa (mm)	1440	1490	1750
	5.1	Travel speed without / with load	km/h	6 / 5.7	6 / 5.7	6 / 5.5
	5.2	Lifting speed without / with load	mm/s	35 / 25	30 / 22	45 / 35
	5.3	Lowering speed without / with load	mm/s	30 / 35	35 / 35	40 / 40
	5.8	Permissible gradient without / with load	%	15/ 8	15/8	15/8
Electrical system	5.10	Service brake		electromagnetic		
	6.1	Traction motor, S2 power rating for 60 minutes	kW	1.3	1.3	1.7
	6.2	Lifting motor, S3 power 10%	kW	0.8	0.8	2.2
	6.3	Batteries in accordance with DIN 43531 / 35 / 36 A, B, C, No		2 VBS	2 PzS	3 PzS
	6.4	Battery voltage / rated capacity K5	V / Ah	24 / 160	24 / 210	24 / 350
	6.5	Battery weight	kg	150	215	285
Miscellaneous	6.6	Energy consumption according to VDI cycle	kWh/h	0.44	0.39	0.92
	8.1	Transmission type		AC – speed control		
	8.4	Noise level at the driver's ear in accordance with EN 12053	dB (A)	67	69	65