# 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.

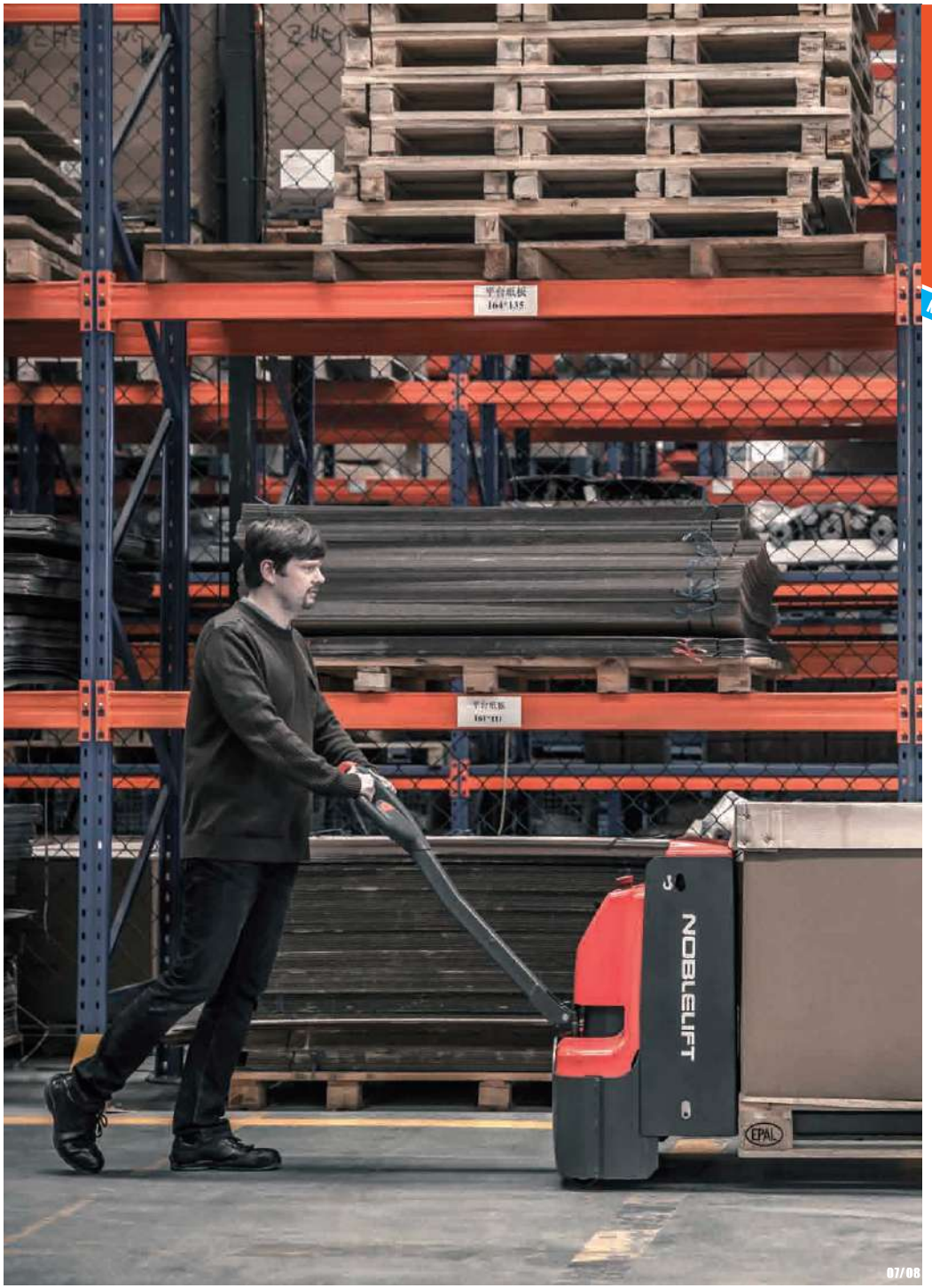

### PT 16L

**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, Intorqe 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.

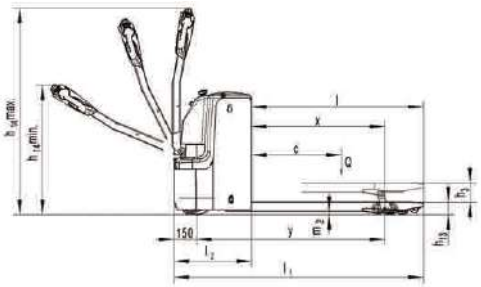

## Various options

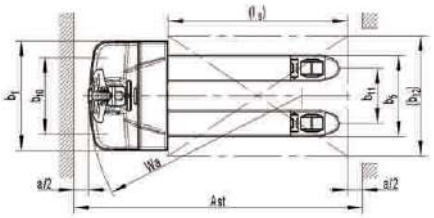
- Load backrest
- Sideways battery exchange
- Different fork-versions on request

Entry rollers as standard.

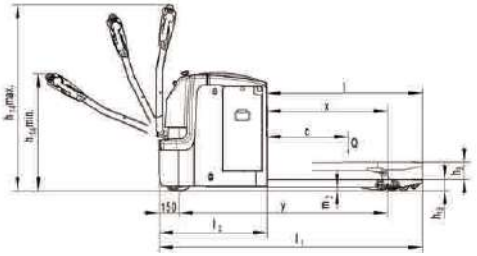
**PT 25L**

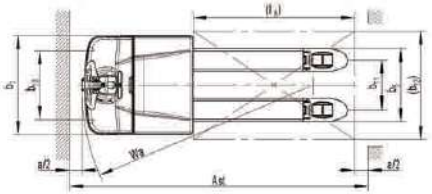
# PT 16/20L





# PT 25L





## Ttype sheet for industrial truck acc. to VDI 2198 1KG=2.2LB 1INCH=25.4MM

| | | | | | | |
|---|---|---|---|---|---|---|
| Distinguishing mark | 1.2 | Manufacturer's type designation | | PT 16L | PT 20L | PT25L |
| | 1.3 | Power (battery ,diesel, petrol, gas, manual) | | | Battery | |
| | 1.4 | Operator type | | | Pedestrian | |
| | 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 |
| Weight | 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 |
| Tires, chassis | 3.1 | Tires | | | Polyurethane (PU) | |
| | 3.2 | Tire size, front | Øx w (mm) | | Ø230×70 | |
| | 3.3 | Tire size, rear | Øx w (mm) | | Ø84×84 | |
| | 3.4 | Additional wheels(dimensions) | Øx w (mm) | | Ø100×40 | |
| | 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 | |
| Dimensions | 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 |
| Performance | 5.1 | Travel speed, laden/ unladen | km/h | | 5.7/6.0 | 5.5/6.0 |
| | 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 | |
| Motors | 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 |