

PT16L/PT20L/PT25L

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

- Ergonomic, Compact and Safe Long Tiller Design
- Reliable Strong Chassis
- German AC Drive Unit
- Core Components from Highest Quality Brands

Introduction

With capacities from 1.6t to 2.5t the PT16L-25L series is the first choice for truck loading and unloading as well as for pallet transportation over moderate distances.

With a short chassis length these trucks are suited to operate in confined areas.

With high-quality, state of the art components and technologies the truck competes with all leading international brands.

PT16L/PT20L/PT25L

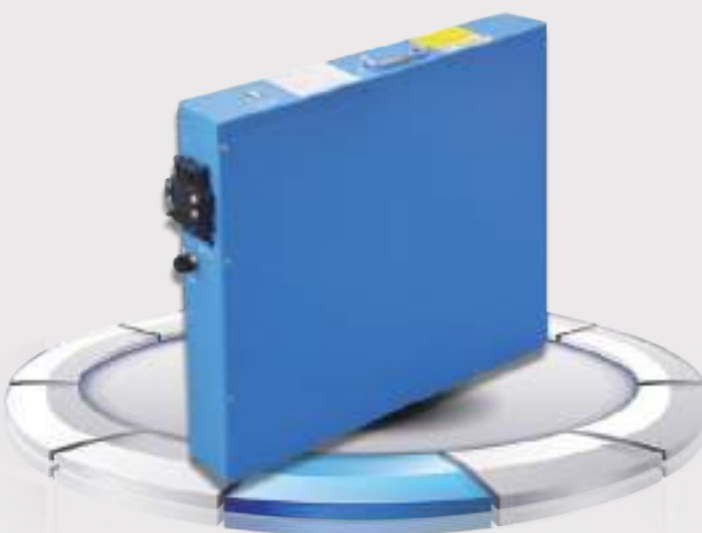
Using High Quality Core Components:

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

The parts used reduce service costs and give owners the performance and reliability which is required for even the most demanding operations.

Lithium Battery Pack

Clean, safe, environmentally-friendly Lithium battery pack, no risk of acid leakage, ideal for food, chemical, or pharmaceutical industries that require a clean environment. Additionally the fast charge and long life cycle dramatically improves productivity.



NOBLELIFT



PT16L/PT20L/PT25L

ELECTRIC PEDESTRIAN POWER PALLET TRUCK WITH CAPACITIES OF 1600/2000/2500KG OPTIONAL LITHIUM BATTERY



ADVANTAGES

- Ergonomic, Compact and Safe Long Tiller Design
- Reliable Strong Chassis
- German AC Drive Unit
- Core Components from Highest Quality Brands

NFM Forklift

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NFM Forklift

AUTHORISED DEALER

Distinguishing mark

| | | | | | |
|-----|---|-------|-------|------------|-------|
| 1.2 | Manufacturer`s type designation | | PT16L | PT20L | 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(kg) | | 600 | |
| 1.8 | Load distance, centre of drive axle to fork | X(kg) | | 892 | |
| 1.9 | Wheelbase | Y(kg) | 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 | 412/120 | 540/200 |

Tires, chassis

| | | | | | |
|-----|---|---------|--|-------------------|--|
| 3.1 | Tires | | | Polyurethane (PU) | |
| 3.2 | Tire size, front | XW(mm) | | 230X70 | |
| 3.3 | Tire size, rear | XW(mm) | | 84X84 | |
| 3.4 | Additional wheels (dimensions) | XW(mm) | | 100X40 | |
| 3.5 | Wheels, number front/ rear(x=driven wheels) | | | 1X+2/4 | |
| 3.6 | Tread, front | b10(mm) | | 510 | |
| 3.7 | Tread, rear | b11(mm) | | 367/512 | |

Dimensions

| | | | | | |
|------|--|-----------|------|-------------|------|
| 4.4 | Lift height | h3(mm) | | 125 | |
| 4.9 | Height of tiller in drive position min. / max. | h14(mm) | | 800/1335 | |
| 4.15 | Height, lowered | h13(mm) | | 85 | |
| 4.19 | Overall length | l1(mm) | 1670 | 1735 | 1950 |
| 4.20 | Length to face of forks | l2(mm) | 520 | 595 | 810 |
| 4.21 | Overall width | b1(mm) | | 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 | m2(mm) | | 25 | |
| 4.33 | Aisle width for pallets 1000X1200 crossways | Ast(mm) | 1885 | 1955 | 2175 |
| 4.34 | Aisle width for pallets 800X1200 lengways | 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 | 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 |

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 industry leading performance, efficiency and reliability. Whenever required the AC Drive always gives the right response for gentle or fast acceleration.



Maintenance Friendly

The trucks design and components combine to make service and maintenance easy. All components are easy to reach with the main cover removed. Drive-and castor wheel are easy to exchange without hoisting the truck.



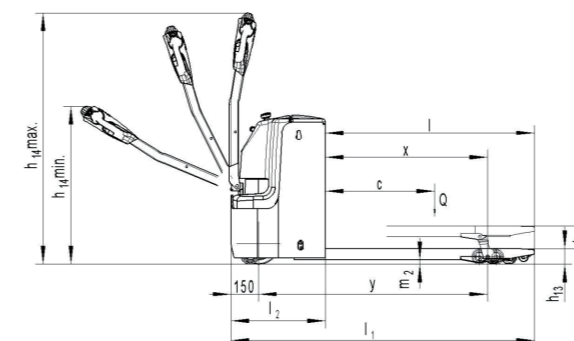
Long Tiller Design for Ergonomics and Safety

With the long tiller design the operator can always work comfortably and keep a safe distance from the truck. This design requires lower operator physical force than trucks with a short tiller. The tiller working height is always naturally positioned to deliver the most ergonomic operational control.

Various options

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

Pallet entry rollers are standard



CANBUS Technology

CANBUS technology uses less wiring and is more reliable than alternative systems. CANBUS technology makes analysis and adjustments easier so that downtime is lower than for trucks without CANBUS. Using digital signals extends parts useful life lasting longer than analogue systems.

CAN-BUS



Robust and Reliable Design

The robust chassis with strong 8mm thick steel apron protects the truck and the components against impact.

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

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

Long Lasting Battery Capacities

The PT-L series has the right battery for every application, Led Acid or optional Lithium Ion:

- PT 16L with battery with very short truck length and manoeuvrability 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.

