

# PT16L/PT20L/PT25L

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

- 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 (PT16L) 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.

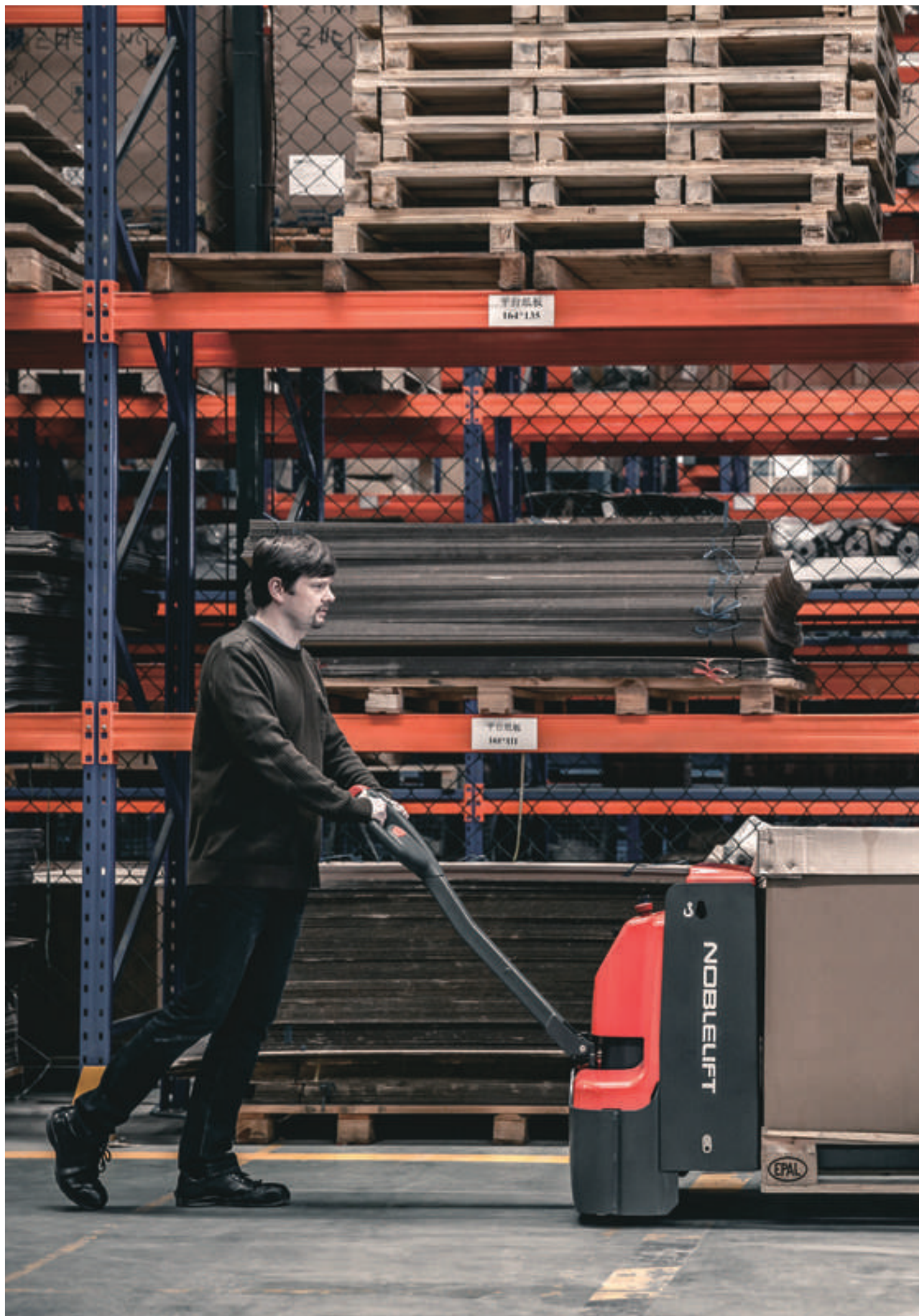


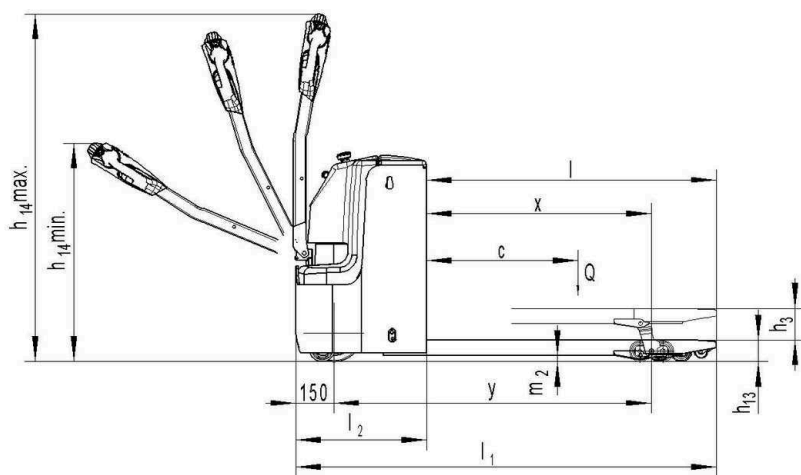
#### Top brand qualified components

Using high quality core components:

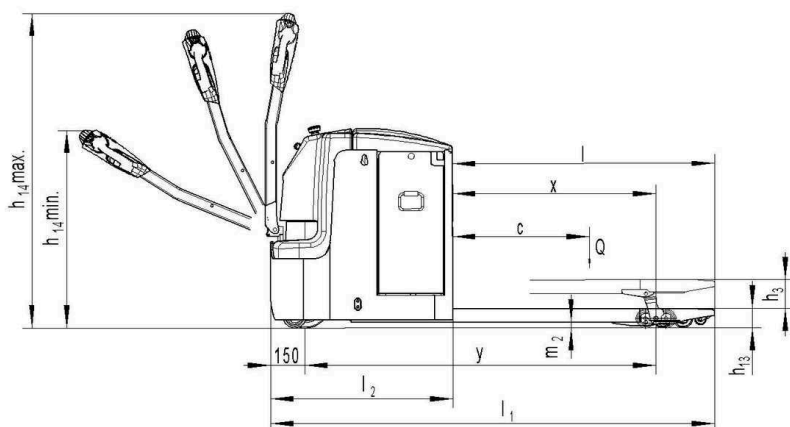
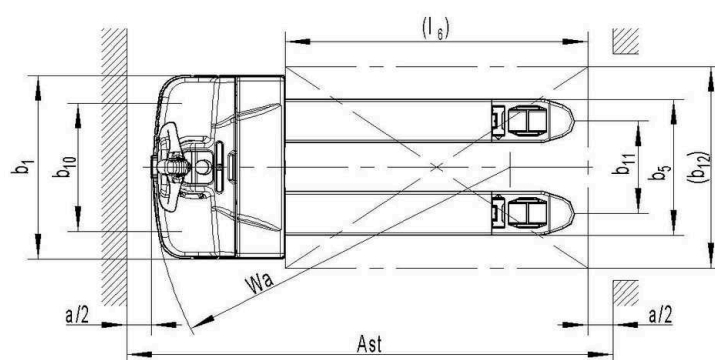
- Reliable multifunctional REMA tiller with ergonomic contactless rocker-switches
- Top quality Schabmueller AC drive motor
- Kordel gearbox
- Intorque brake
- Wicke drive wheel
- Zapi controller

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

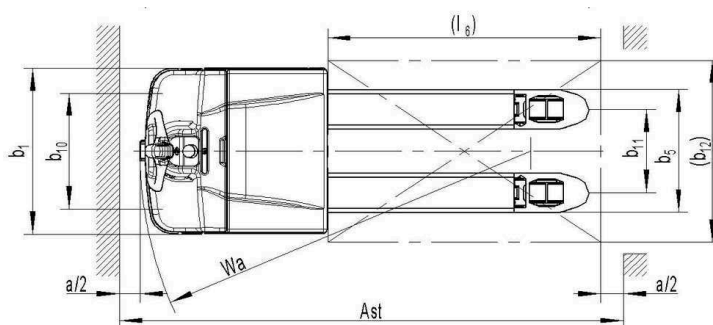




**PT 16/20L**



**PT 25L**



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

### Identification

|     |                                             |        |       |            |       |
|-----|---------------------------------------------|--------|-------|------------|-------|
| 1.2 | Manufacturer's type designation             |        | PT16L | PT20L      | PT25L |
| 1.3 | Drive                                       |        |       | 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  |

### Weights

|     |                                  |    |          |          |           |
|-----|----------------------------------|----|----------|----------|-----------|
| 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   |

### Wheels- 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 | Tread, front                              | b10 (mm)  |  | 510               |  |
| 3.7 | Tread, rear                               | b11 (mm)  |  | 367/512           |  |

### Basic Dimensions

|      |                                               |            |      |             |      |
|------|-----------------------------------------------|------------|------|-------------|------|
| 4.4  | Lift                                          | h3 (mm)    |      | 120         |      |
| 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 | Width across forks                            | b5 (mm)    |      | 540/685     |      |
| 4.32 | Ground clearance, centre of wheelbase         | m2 (mm)    |      | 25          |      |
| 4.33 | Aisle width for pallets1000X1200 crossways    | Ast (mm)   | 1885 | 1955        | 2175 |
| 4.34 | Aisle width for pallets800X1200 lengthways    | Ast (mm)   | 1935 | 2005        | 2225 |
| 4.35 | Turning radius                                | Wa (mm)    | 1440 | 1490        | 1750 |

### Performance Data

|      |                                   |      |             |                 |             |
|------|-----------------------------------|------|-------------|-----------------|-------------|
| 5.1  | Travel speed, laden/ unladen      | km/h | 5.7/6.0     | 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 |             |

### E-Motor

|     |                                               |        |      |      |      |
|-----|-----------------------------------------------|--------|------|------|------|
| 6.1 | Drive motor rating S2 60min                   | kW     | 1.3  | 1.3  | 1.7  |
| 6.2 | Lift motor rating at S3 10%                   | kW     | 0.8  | 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                                | kg     | 150  | 215  | 285  |
| 6.6 | Energy consumption acc. to VDI cycle          | kWh/h  | 0.44 | 0.39 | 0.92 |

### Other Details

|     |                                              |       |    |                  |    |
|-----|----------------------------------------------|-------|----|------------------|----|
| 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 |

1)、Load section lowered:+62mm;