



# PT20/25/30PLUS

## Ride-on Speed Electric Pallet Truck

PT20/25/30PLUS is developed under the request of the logistic industry, with its strong and robust chassis, the truck and operator is well protected for mechanical impacts. With its high speed of 7.5/9.0km/h(laden/unladen), and the fixed ride-on platform which can be entered from both sides, the truck delivers the best performance and efficiency requested by the large logistic centers.



## DESIGN FOR LOGISTICS CONVENIENT AND EFFICIENT

- Ergonomic Design with Ride-on Platform
- High Performance Maintenance-free AC Drive Unit
- Core Components from Top Quality Brands
- High Speed for High Efficiency and Performance



Fixed Platform

|                           |                      |                        |                         |
|---------------------------|----------------------|------------------------|-------------------------|
| <br>High Capacity Battery | <br>Easy Maintenance | <br>High Performance   | <br>Adjustable Backrest |
| <br>Robust and Reliable   | <br>Capacity 2000Kg  | <br>CAN-BUS Technology |                         |

### ADVANTAGE:

- High Efficiency
- Auto-slow down for steering
- Noblelift AC Drive Unit
- EPS-Electric Steering System
- Sideway Battery Replacement
- Safety Configuration
- Adjustable Backrest
- Robust and Reliable Design



Foldable Platform



#### Noblelift AC Drive Unit

Maintenance-free AC drive unit for high performance, efficiency and stability and at the same time reducing running cost.



#### EPS-Electric Steering System

The EPS supports the operator during the whole day and makes operations more effortless.



### CAN-BUS

#### Safety Configuration

Emergency Switch, Reverse Switch on the handle, horizontal position stop and more Safety configuration ensure the safety of the operation.

#### Adjustable Backrest

Equipped with adjustable backrest makes the operator more comfortable by reducing the operation fatigues.

#### Sideway Battery Replacement

Sideway battery replacement and light battery weight allows easy and fast replacement battery, ideal for multi-shift operations. Battery do not lift, so the efficiency increased a lot.





#### High Efficiency

With its highest speed of 9km/h(unladen), the truck delivers the high efficiency, ideal for applications for large logistic centers.

#### Auto-slow down for steering

When the truck is steering, the speed will slow down automatically so that there is no risk of slip or rollover, so that the safety is guaranteed.

#### 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. The steel battery cover ensures the battery well protected.



#### Foldable platform

Foldable platform for higher flexibility in narrow spaces.

## Foldable Platform



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

|                            |      |  | PT 20(25)PLUS |                       | PT 30PLUS              |           |
|----------------------------|------|--|---------------|-----------------------|------------------------|-----------|
|                            |      |  | Fixed         | Foldable              |                        |           |
| <b>Distinguishing mark</b> | 1.2  | Manufacturer's type designation                |               |                       |                        |           |
|                            | 1.3  | Power(battery,diesel,petrol,gas,manual)        |               | Battery               | Battery                |           |
|                            | 1.4  | Operator type                                  | Stand         | Pedestrian/ Stand     | Stand                  |           |
|                            | 1.5  | Load Capacity / rated load                     | Q (t)         | 2.0(2,5)              | 3.0                    |           |
|                            | 1.6  | Load centre distance                           | c (mm)        | 600                   | 600                    |           |
|                            | 1.8  | Load distance, centre of drive axle to fork    | x(mm)         | 911                   | 911                    |           |
| <b>Weight</b>              | 1.9  | Wheelbase                                      | y(mm)         | 1475                  | 1475                   |           |
|                            | 2.1  | Service weight (incl. battery)                 | kg            | 840(880)              | 820(860)               | 930       |
|                            | 2.2  | Axle loading, laden front/rear                 | kg            | 1100/1740(1240/2140)  | 1100/1720 ( 1240/2120) | 1380/2550 |
| <b>Tyres, chassis</b>      | 2.3  | Axle loading, unladen front/ rear              | kg            | 650/160(715/165)      | 660/160 ( 695/165)     | 760/170   |
|                            | 3.1  | Tyres  |               | Polyurethane (PU)     |                        |           |
|                            | 3.2  | Tire size, front                               | ø x w         | ø250X80               |                        |           |
|                            | 3.3  | Tire size, rear                                | ø x w         | ø84X84                |                        |           |
|                            | 3.4  | Additional wheels (dimensions)                 | ø x w         | ø124X60               |                        |           |
|                            | 3.5  | Wheels, number front/ rear(x=driven wheels)    |               | 1x+2/4                |                        |           |
|                            | 3.6  | Tread, front                                   | b10 (mm)      | 510                   |                        |           |
| <b>Dimensions</b>          | 3.7  | Tread, rear                                    | b11 (mm)      | 387/512               |                        |           |
|                            | 4.4  | Lift height                                    | h3 (mm)       | 120                   |                        |           |
|                            | 4.9  | Height of tiller in drive position min. / max. | h14 (mm)      | 1100/1400             |                        |           |
|                            | 4.15 | Height, lowered                                | h13 (mm)      | 85                    |                        |           |
|                            | 4.19 | Overall length                                 | l1 (mm)       | 2592                  | 2150                   | 2592      |
|                            | 4.20 | Length to face of forks                        | l2 (mm)       | 1442                  | 1000                   | 1442      |
|                            | 4.21 | Overall width                                  | b1 (mm)       | 790                   |                        |           |
|                            | 4.22 | Fork dimensions                                | s/e/l         | 60/173/1150           |                        |           |
|                            | 4.25 | Distance between fork-arms                     | b5 (mm)       | 560/685               |                        |           |
|                            | 4.32 | Ground clearance, centre of wheelbase          | m2 (mm)       | 25                    |                        |           |
| <b>Performance data</b>    | 4.33 | Aisle width for pallets 1000 x 1200 crossways  | Ast(mm)       | 3165                  | 2725                   | 3165      |
|                            | 4.34 | Aisle width for pallets 800X1200 lengthways    | Ast(mm)       | 3050                  | 2610                   | 3050      |
|                            | 4.35 | Turning radius                                 | Wa (mm)       | 2355                  | 1825                   | 2355/1825 |
| <b>Performance data</b>    | 5.1  | Travel speed, laden/ unladen                   | km/h          | 7/9(6/7) / 9/12(8/11) |                        |           |
|                            | 5.2  | Lift speed, laden/ unladen                     | m/s           | 0,040/0,055           |                        |           |
|                            | 5.3  | Lowering speed, laden / unladen                | m/s           | 0.045/0.025           |                        |           |
|                            | 5.8  | Gradeability, laden/ unladen                   | %             | 6/12                  |                        |           |
|                            | 5.10 | Service brake                                  |               | Electromagnetic       |                        |           |
| <b>Electric- Motor</b>     | 6.1  | Drive motor rating                             | kW            | 1,6/2,9               |                        |           |
|                            | 6.2  | Lift motor rating                              | kW            | 2,2                   |                        |           |
|                            | 6.3  | Battery acc. to DIN 43531 /35 / 36 A, B, C, no |               | 3PzS                  |                        |           |
|                            | 6.4  | Battery voltage, nominal capacity              | V/Ah          | 210(270)              |                        |           |
|                            | 6.5  | Battery weight                                 | kg            | 195(235)              |                        |           |
|                            | 6.6  | Energy consumption acc. to VDI cycle           | KWh/h         | 0,4                   |                        |           |
| <b>Additional data</b>     | 8.1  | Type of drive control                          |               | AC-speed control      |                        |           |
|                            | 8.4  | Sound level at driver's ear acc. to EN 12053   | dB(A)         | 69                    |                        |           |

