

PS 14RP

High Performance Straddle-leg Reach Stacker with Pantograph for Various Stacking Operations

INTRODUCTION

The PS 14RP series comes with a variety of advantages to make the operations effortless and faster to save logistics costs and to increase the handling capacity.

Using the example of the high performance AC drive system, the electric steering or that all lifting operations are controlled by the tiller shows how many advantages are combined in this truck to increase the logistics performance.

The optional available foldable platform is the best choice if the truck is used in larger warehouses with longer travelling distances.

ADVANTAGES

- Capacity of 1363mm/3000lbs.
- Reach Pantograph with fork tilting.
- Noblelift AC drive system.
- Electric steering.
- Lifting functions controller ergonomically and effortlessly from the tiller.
- Proportional lift.
- Sideways exchange battery compartment for 4PzS.



Electric Stacker



CAN-BUS tiller

Lifting operations from the tiller with this CAN-BUS tiller all the functions are easiest to operate. Stacking operations become more precise and quicker.

Proportional lift

The proportional lift functions ensure very precise positioning of fragile loads.

Noblelift AC drive system

The AC drive system gives high performance, ensures low maintenance costs and its high efficiency saves energy for longer operations.



Sideways battery exchange

During long or multi shifts the sideways exchange battery compartment reduces the downtime to a minimum.



Control elements

Key-switch, emergency switch and battery discharge indicator.

Storage tray

The robust battery cover to with storage areas for utilities or packaging- and stretch foil.

Electric steering

The electric steering makes the operating effortless. Maneuvering in narrow spaces becomes with the electric steering easiest.



Straddle leg and optional bigger load wheel

The straddle leg for high residual capacities and for several applications. Optional larger single load wheel with 230mm/9.1" diameter.

Robust design

Solid straddle legs in combination with the very robust chassis and mast makes.

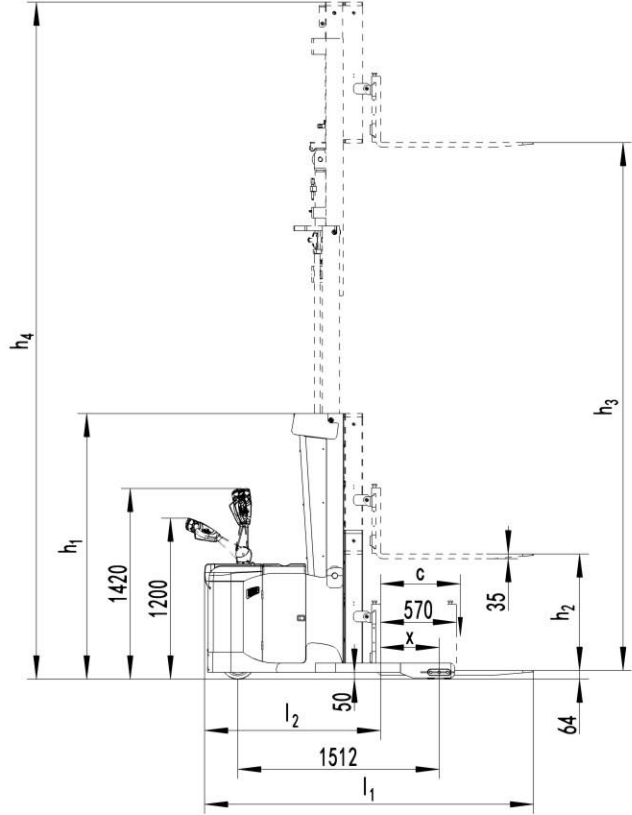


Optional suspension foldable platform with sideways protective arms. The ergonomically designed foldable platform in combination with its sideways protective arms makes operations faster and safer.

 **PART
MACHINE**
Quality You Can Rely On



| Mast table PS 14RP | | | | | |
|-------------------------|------------------------------|------------------------------|-------------------------|----------------------------------|----------------------------------|
| Designation | Lowered mast height mm | Free lift height h2 mm | Lift height h3 mm | Extended mast height h4 mm | Lift+fark height h3+h13 mm |
| PS 14RP | | | | | |
| Two-stage mast | 1982 | - | 2836 | 3952 | 2900 |
| | 2132 | - | 3136 | 4252 | 3200 |
| | 2332 | - | 3536 | 4652 | 3600 |
| Three-stage mast FFL | 1982 | 870 | 3936 | 5052 | 4000 |
| | 2182 | 1070 | 4536 | 5652 | 4600 |
| | 2322 | 1210 | 4936 | 6052 | 5000 |
| | 2482 | 1370 | 5436 | 6552 | 5500 |



| Technical data sheet for industrial truck acc. to VDI 2198 1KG=2.2LB 1INCH=25.4MM | | | | | | |
|---|------|--|------------|-----------|-------------------|-----------|
| Distinguishing mark | 1.2 | Manufacturer's type designation | | 2900 | PS 14RP | 4000 |
| | 1.3 | Power (battery ,diesel,petrol gas,manual) | | | Battery | |
| | 1.4 | Operator type | | | Pedestrian | |
| | 1.5 | Load Capacity / rated load | Q (t) | | 1.4 | |
| | 1.6 | Load centre distance | C (mm) | | 600 | |
| | 1.8 | Load distance ,centre of drive axle to fork | X (mm) | 410 | | 441 |
| Weight | 1.9 | Wheelbase | Y (mm) | | 1512 | |
| | 2.1 | Service weight | kg | 2240 | | 2430 |
| | 2.3 | Axle loading, unladen front/rear | kg | 1430/810 | | 1560/870 |
| | 2.4 | Axle loading, fork advanced, laden front/rear | kg | 665/2975 | | 885/2945 |
| Tyres, chassis | 2.5 | Axle loading, fork retracted, laden front/rear | kg | 1260/2380 | | 1415/2415 |
| | 3.1 | Tires | | | Polyurethane (PU) | |
| | 3.2 | Tire size, front | Ø x w (mm) | | Ø254×82 | |
| | 3.3 | Tire size, rear | Ø x w (mm) | | Ø102×70(Ø230×80) | |
| | 3.5 | Wheels, number front/rear(x=driven wheels) | | | 1x+/-2; -/4 | |
| | 3.6 | Tread, front | b10 (mm) | | - | |
| Dimensions | 3.7 | Tread, rear | b11 (mm) | | 971-1376 | |
| | 4.1 | Tilt of mast/fork carriage forward/backward | ° | | 2/4 | |
| | 4.2 | Lowered mast height | h1 (mm) | | 1982 | |
| | 4.3 | Free Lift height | h2 (mm) | - | | 870 |
| | 4.4 | Lift | h3 (mm) | 2836 | | 3936 |
| | 4.5 | Extended mast height | h4 (mm) | 3952 | | 5052 |
| | 4.9 | Height of tiller in drive position min./ max. | h14 (mm) | | 1200/1420 | |
| | 4.15 | Height, lowered | h13 (mm) | | 64 | |
| | 4.19 | Overall length | l1 (mm) | 2585 | | 2554 |
| | 4.20 | Length to face of forks | l2 (mm) | 1434 | | 1404 |
| | 4.21 | Overall width | b1/b2 (mm) | | 920 / (1077/1482) | |
| | 4.22 | Fork dimensions | s/e/l (mm) | | 35/100/1150 | |
| | 4.25 | Distance between fork- arms | b5 (mm) | | 200-760 | |
| | 4.28 | Reach distance | l4 (mm) | | 570 | |
| | 4.32 | Ground clearance, centre of wheelbase | m2 (mm) | | 50 | |
| Performance data | 4.33 | Aisle width for pallets 1000X1200 crossways | Ast (mm) | 2812 | | 2791 |
| | 4.34 | Aisle width for pallets 800X1200 lengthways | Ast (mm) | 2856 | | 2828 |
| | 4.35 | Turning radius | Wa (mm) | | 1770 | |
| | 5.1 | Travel speed, laden/ unladen | km/h | | 7.0/7.0 | |
| | 5.2 | Lift speed, laden/ unladen | m/s | | 0.12/0.19 | |
| | 5.3 | Lowering speed, laden/ unladen | m/s | | 0.17/0.15 | |
| | 5.4 | Reaching speed, laden/unladen | m/s | | 0.15/0.16 | |
| Electric- Motor | 5.8 | Max. gradeability, laden/ unladen | % | | 6/10 | |
| | 5.10 | Service brake | | | Electromagnetic | |
| | 6.1 | Drive motor rating S2 60min | kW | | 1.6 | |
| | 6.2 | Lift motor rating at S3 15% | kW | | 4.0 | |
| | 6.3 | Battery acc. to DIN 43531/ 35/ 36 A, B, C, no | | | A, 4Pzs | |
| | 6.4 | Battery voltage, nominal capacity K5 | V/Ah | | 24/400 | |
| Additional data | 6.5 | Batteryweight | kg | | 380 | |
| | 6.6 | Energy consumption acc. to VDI cycle | kWh/h | | 2.12 | |
| | 8.1 | Type of drive control | | | AC-Speed Control | |
| | 8.4 | sound level at driver's ear acc.to EN 12053 | dB(A) | | 69 | |

