



PS 14RP

High Performance Straddle-leg Reach Stackers 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 1400kg.
- Reach Pantograph with fork tilting.
- Noblift AC drive system.
- Electric steering.
- Lifting functions controller ergonomically and effortlessly from the tiller.
- Proportional lift.
- Sideways exchange battery compartment for 4PzS.

Type sheet for industrial truck acc. to VDI 2198

1KG=2.2LB 1INCH=25.4MM

Distinguishing mark	1.2	Manufacturer's type designation		PS 14RP
	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)	441
	1.9	Wheelbase	y (mm)	1512
Weight	2.1	Service weight	kg	2430
	2.3	Axle loading, unladen front/rear	kg	1560/870
	2.4	Axle loading, fork advanced, laden front/rear	kg	886/2944
	2.5	Axle loading, fork retracted, laden front/rear	kg	1413/2417
Tyres, chassis	3.1	Tires		Polyurethane (PU)
	3.2	Tire size, front	Øx w (mm)	Ø254 × 75
	3.3	Tire size, rear	Øx w (mm)	Ø102 × 70
	3.5	Wheels, number front/rear(x=driven wheels)		1x+/-2; -/4
	3.6	Tread, front	b10 (mm)	-
	3.7	Tread, rear	b11 (mm)	971/1376
	Dimensions	4.1	Tilt of mast/fork carriage forward/backward	
4.2		Lowered mast height	h1 (mm)	1982
4.3		Free Lift height	h2 (mm)	870
4.4		Lift	h3 (mm)	2840 / 3140 / 3540 / 3940 / 4540 / 4940 / 5440
4.5		Extended mast height	h4 (mm)	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)	2554
4.20		Length to face of forks	l2 (mm)	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
4.33		Aisle width for pallets 1000X1200 crossways	Ast (mm)	2791
4.34		Aisle width for pallets 800X1200 lengthways	Ast (mm)	2828
Performance data		4.35	Turning radius	Wa (mm)
	5.1	Travel speed, laden/ unladen	km/h	6.0/6.0
	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
	5.8	Max. gradeability, laden/ unladen	%	6/10
Electric- Motor	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
	6.5	Batteryweight	kg	380
Additional data	6.6	Energy consumption acc. to VDI cycle	kWh/h	3.24
	8.1	Type of drive control		AC-Speed Control
	8.4	Sound level at driver's ear acc.to EN	dB(A)	< 70

KEY FEATURES



- 1 Lifting operations from the tiller
With this CAN-BUS tiller all the functions are easiest to operate. Stacking operations become more precise and quicker.
- 2 Proportional lift
The proportional lift functions ensures very precise positioning of fragile loads.
- 3 Noblelift AC drive system
The AC drive system gives high performance, ensures low maintenance costs and its high efficiency saves energy for longer operations.



- 4 Reach Pantograph
With the reach pantograph it is possible to enter into more deeper storage areas without moving a more heavier mast. This reduces maintenance costs.

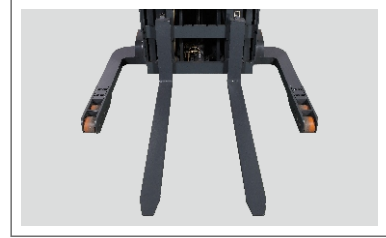


- 5 Sideways battery exchange
During long or multi shifts the sideways exchange battery compartment reduces the downtime to a minimum.



- 6 Key-switch, emergency switch and battery discharge indicator.
- 7 The robust battery cover to with storage areas for utilities or packaging- and stretch foil.

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



- 9 Straddle leg
The straddle leg for high residual capacities and for several applications.

- 10 Robust design
Solid straddle legs in combination with the very robust chassis and mast makes.



- 11 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.

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