

PS14RP

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 operations effortless and faster, this saves logistic costs and increases the handling capacity.

Using the high performance AC drive system as an example, the electric power steering and all functions are controlled by the tiller, this shows how many advantages are simplified in this truck to increase overall logistic performance.

The optional foldable platform is the best choice if the truck is used in large warehouses with longer traveling distances.

ADVANTAGES:

- Capacity of 1400kg.
- Reach Pantograph with fork tilting.
- Noblelift AC drive system.
- Electric power steering.
- Lifting functions controled ergonomically and effortlessly from the tiller.
- Proportional lift.
- Sideway battery exchange compartment for 4PzS.



CANBUS 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 ensures 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 safes energy for longer operations.



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.



Sideway 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.

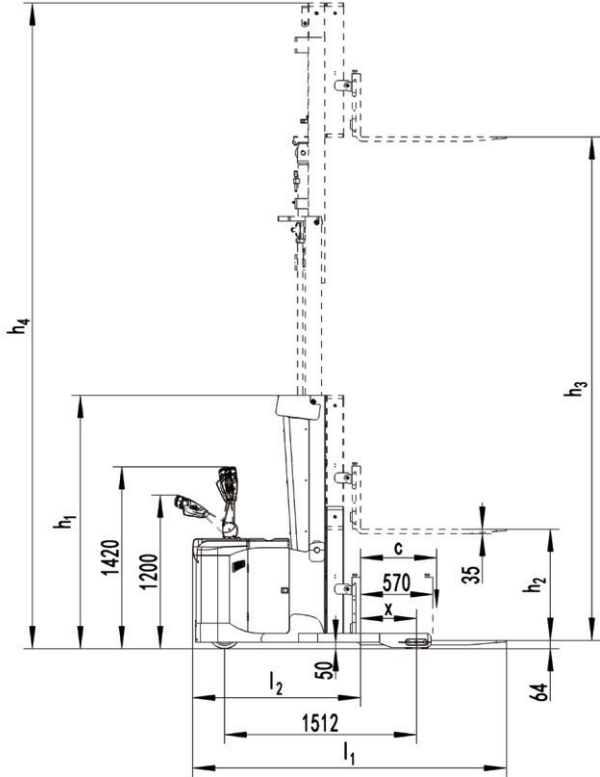
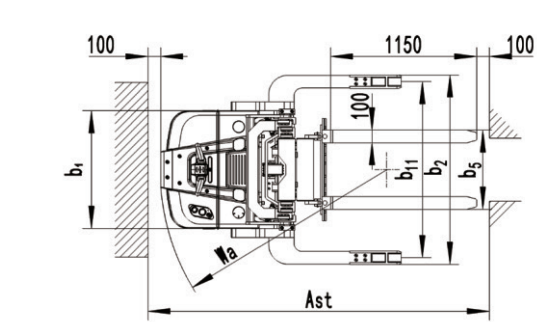


Optional backrest

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



Mast table PS 14RP					
Designation	Lowered mast height h ₁ (mm)	Free lift height h ₂ (mm)	Lift height h ₃ (mm)	Extended mast height h ₄ (mm)	Total lifting height h ₃ +h ₁₃ (mm)
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



Type sheet for industrial truck acc. to VDI 2198 1KG=2.2LB 1INCH=25.4MM					
Distinguishing mark	1.2	Manufacturer's type designation		2900	PS14RP
	1.3	Power(battery ,diesel,petrol gas>manual)			Battery
	1.4	Operator type			Pedestrian
	1.5	Load Capacity / rated load	Q(kg)	1400	
	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
	2.5	Axle loading,fork retracted,laden front/rear	kg	1260/2380	1415/2415
Tyres, chassis	3.1	Tires		Polyurethane (PU)	
	3.2	Tire size, fron	Øxw (mm)	Ø 250 ×82	
	3.3	Tire size, rear	Øxw (mm)	Ø 102×70 (Ø 230×80)	
	3.5	Wheels, number front/rear (x=driven wheels)		1x+/-2; -/4	
	3.6	Tread, front	b ₁₀ (mm)	-	
	3.7	Tread, rear	b ₁₁ (mm)	971/1376	
Dimensions	4.1	Tilt of mast/fork carriage forward/backward	α/β(°)	2/4	
	4.2	Lowered mast heigh	h ₁ (mm)	1982	
	4.3	Free Lift height	h ₂ (mm)	-	
	4.4	Lift	h ₃ (mm)	2836	3936
	4.5	Extended mast height	h ₄ (mm)	3952	5052
	4.9	Height of tiller in drive position min./ max.	h ₁₄ (mm)	1090/1340	
	4.15	Height, lowered	h ₁₅ (mm)	64	
	4.19	Overall length	l ₁ (mm)	2585	2554
	4.20	Length to face of forks	l ₂ (mm)	1435	1404
	4.21	Overall width	b ₁ /b ₂ (mm)	920/ (1077/1482)	
	4.22	Fork dimensions	s/e/l(mm)	35/100/1150	
	4.25	Distance between fork- arms	b ₅ (mm)	200/760	
	4.28	Reach distance	l ₄ (mm)	570	
	4.32	Ground clearance, centre of wheelbase	m ₂ (mm)	50	
	4.33	Aisle width for pallets 1000X1200 crossways	Ast(mm)	2812	2791
Performance data	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	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	
Electric- engine	5.4	Reaching speed,laden/unladen	m/s	0.15/0.16	
	5.8	Max. gradeability, laden/ unladen	%	6/10	
	5.10	Service brake		Electromagnetic	
	6.1	Drive motor rating	kw	2.6	
	6.2	Lift motor rating	kw	4.0	
	6.3	Battery acc. to DIN 43531/ 35/ 36 A, B, C, no		A,4PzS	
Additional data	6.4	Battery voltage, nominal capacity	V/Ah	24 / 400	
	6.5	Battery weight	kw	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	