

PS12/16/18CB

New electric counterweight stacker

The rated load capacity of PS12/16/18CB series electric counterbalanced stacker is from 1200kg to 1800kg, and the maximum lifting height is 4500mm.

The main feature of this series of stacker is the compact structure, which provides you with an excellent operating experience while ensuring a high configuration.

ADVANTAGES:

- Compact design: small wheelbase and small turning radius; requirements for small aisle, practical and applicable.
- Fast driving speed, full load 7km/h, no load 8km/h, high efficiency. Other similar products from China are generally below 6km/h.
- It adopts the overall mast forward and backward structure, which is high in stability and safer. (most of other Chinese manufacturers use the structure of the fork forward and backward)
- The side battery extraction structure is adopted, and the battery replacement efficiency is fast and convenient.
- The hydraulic system with full proportional lifting can realize precise positioning during lifting and lowering.

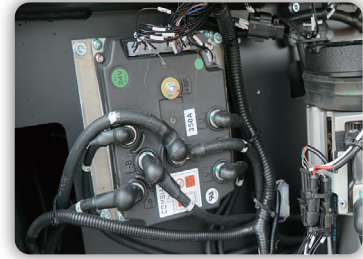




Powerful AC drive: AC drive motor designed and manufactured by Schabmuller, KORDEL gearbox, vehicle speed up to 8km/h. In addition, Rader Vogel or Wicke drive wheels imported from Germany ensure the service life of the PU.



The standard electric power steering system used in other Noblift stackers can quickly and accurately control the position of the steering wheel, while meeting the standards, with high reliability and safety.



The Italian Zapi drive controller and steering controller are used to provide customers with reliable and flexible high-performance control system solutions.



German REMA handle with reliable and ergonomic control system. In addition, the non-contact lifting and lowering rocker switch extends the life of the handle.



The multi-function instrument can display the vehicle working status, battery power, working time, driving speed and steering angle. When the vehicle fails, the outer ring aperture of the instrument will change from green to red, and the fault code will be displayed. USB charging port provides power for more devices.



Standard side battery extraction, through a special trailer, battery replacement efficiency is high, the operator can operate the vehicle multiple shifts.



The integrated foldable ride-on platform and protective arm, as well as the new internal structure of the body, make the overall length of the stacker truck as short as possible, and achieve a smaller turning radius in the same industry. In addition, the floating structure of the ride-on platform makes the operation more comfortable.



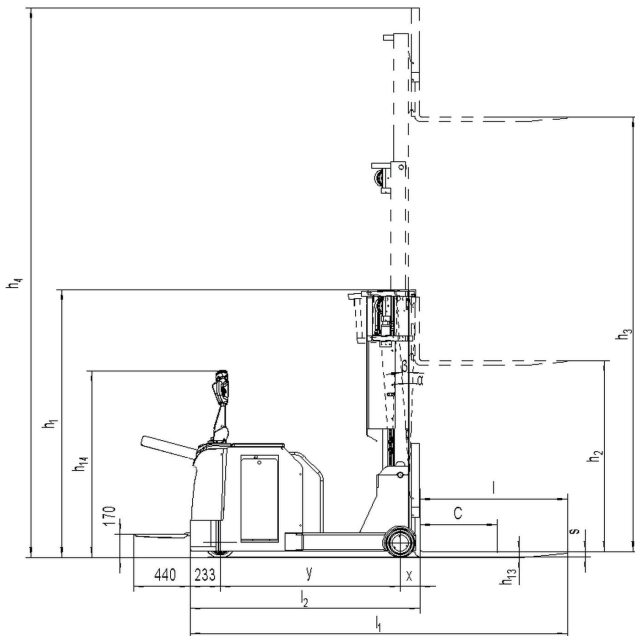
The thickness of the enclosure is 8 mm to ensure the strength of the car body, and there will be no problem even if it is hit. The use of an iron cover for the battery cover also plays a protective role.



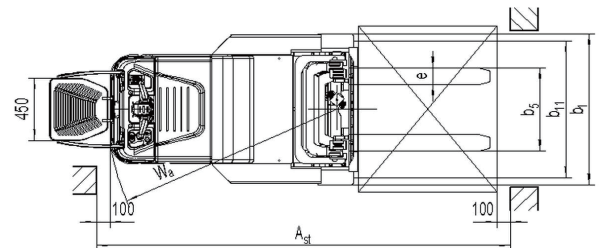
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PSxxCB

Characteristics	Lowered mast height h1 (mm)	Free lift height h2 (mm)	Lift height h3 (mm)	Extended mast height h4 (mm)	Total lifting height h3+h13 (mm)
Single mast	2196	-	1540	2400	1600
Double masts	1850	-	2440	3300	2500
	2100	-	2940	3800	3000
	2200	-	3140	4000	3200
	2400	-	3540	4400	3600
	2600	-	3940	4800	4000
Three masts Full freedom	1800	1200	3540	4400	3600
	1935	1330	3940	4800	4000
	2035	1430	4240	5100	4360
	2100	1500	4440	5300	4500



PSCB



Optional Pin Panel Access, you can manually enter the password, also supports RFID card swiping to start. This function greatly simplifies the process of authorized operation, especially when multiple personnel can operate the vehicle.



Optional French HPI hydraulic system for proportional lift helps to ensure accurate positioning of the fork during lifting and lowering. The acceleration and deceleration of the fork are smoother, and fragile items can be operated.



Lithium battery can be selected. Lithium battery has fast charging, maintenance-free, environmental protection and intelligent display functions. At the same time, the cost is very low from the perspective of long-term ownership and maintenance.



The vehicle can be equipped with an automatic filling system to quickly refill the lead-acid battery.

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

Identification

1.2	Manufacturer's type designation			PSCB	
			PS12CB	PS16CB	PS18CB
1.3	Drive			Electric	
1.4	Operator type			pedestrian/Standing	
1.5	Load Capacity / rated load	Q (t)	1.2	1.6	1.8
1.6	Load centre distance	c (mm)		500	
1.8	Load distance ,centre of drive axle to fork	x (mm)		135	
1.9	Wheelbase	y (mm)	1350	1450	1700

Weights

2.1	Service weight	kg	2075	2185	2450
2.2	Axle load at full load, drive side/load side	kg	410 /2865	360 /3425	565 /3725
2.3	Axle load at no load, drive side/load side	kg	960 /1115	1030 /1155	1238 /1212

Wheels- Chassis

3.1	Tires			Polyurethane wheel	
3.2	Tire size,front	Øx w (mm)		Ø 250×82	
3.3	Tire size,rear	Øx w (mm)		Ø 230×100	
3.5	Wheels,number front/rear(x=driven wheels)			1x / 2	
3.6	Tread, front	b10 (mm)		/	
3.7	Tread, rear	b11 (mm)		/	

Basic Dimensions

4.1	Tilt of mast/fork carriage forward/backward	$\alpha/\beta(^{\circ})$		1.5 / 4	
4.2	Lowered mast height	h1(mm)		2100	
4.3	Free Lift height	h2(mm)		1500	
4.4	Lift	h3(mm)		4400	
4.5	Extended maximal height	h4(mm)		5300	
4.9	Height of tiller in drive position min./ max.	h14 (mm)		970 / 1370	
4.15	Height, lowered	h13 (mm)		60	
4.19	Overall length	l1 (mm)	2670	2770	3040
4.20	Length to face of forks	l2 (mm)	1740	1840	1990
4.21	Overall width	b1 (mm)		1090	
4.22	Fork dimensions	s/e/l (mm)	35 / 100 / 950		40 / 120 / 1070
4.25	Width across forks	b5 (mm)		220-760	
4.32	Ground clearance, centre of wheelbase	m2 (mm)		52	
4.33	Aisle width for pallets1000X1200 crossways	Ast (mm)	3110	3210	3360
4.34	Aisle width for pallets800X1200 lengthways	Ast (mm)	3220	3320	3470
4.35	Turning radius	Wa (mm)	1605	1705	1855

Performance Data

5.1	Travel speed, laden/ unladen	km/h	7 / 8		6 / 7
5.2	Lift speed, laden/ unladen	mm/s	140 / 200	120 / 200	100 / 200
5.3	Lowering speed, laden/ unladen	mm/s	250 / 200	300 / 200	320 / 200
5.8	Max. gradeability, laden/ unladen	%		6/15	
5.10	Service brake			Electromagnetic	

E-Motor

6.1	Drive motor rating S2 60min	kW		2.6	
6.2	Lift motor rating at S3 10%	kW		3.2	
6.3	Battery acc. to DIN 43531/ 35/ 36 A, B, C, no			DIN	
6.4	Battery voltage, nominal capacity K5	V / Ah	24 / 270	24 / 270	24 / 350
6.5	Battery weight	kg	235	235	288
6.6	Energy consumption acc. to VDI cycle	kWh/h	1.80	1.88	1.90

Other Details

8.1	Type of drive control			AD	
8.4	Sound level at driver's ear acc. to EN 12053	dB(A)		68	