

# PS12/16/18CB

New electric counterweight stacker



electric counterweight stacker



High Speed  
& Efficiency



High  
Maneuverability



Best  
Cost-Performance Ratio

NEW / *Noblelift Products*  
ARRIVAL

**NOBLELIFT INTELLIGENT EQUIPMENT CO., LTD**



**ELEVEX™**  
Material Handling Solutions

# PS12/16/18CB New electric counterweight stacker

The rated load capacity of PSxxCB 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.

## Advantage

- 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.



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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.



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.



## OPTIONS AND FLEXIBILITIES



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.

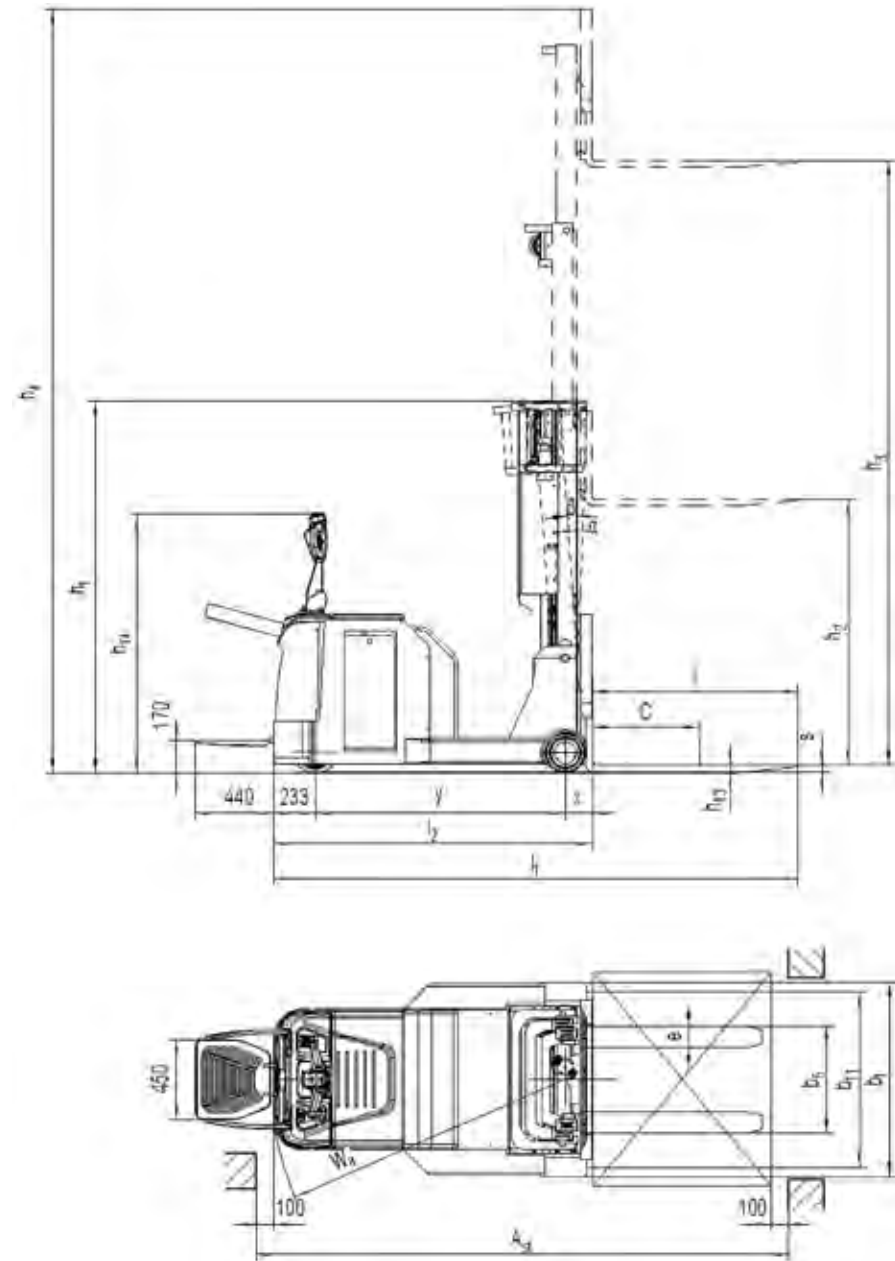


Lithium battery can be selected. Lithium battery has fast charging, maintenance-free, environmental protection and intelligent display functions. At the same time, the cost is very low from the perspective of long-term ownership and maintenance.



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

# PSCB



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	-	1600	2450	1660
	1850	-	2500	3350	2560
	2100	-	3000	3850	3060
	2200	-	3200	4050	3260
	2400	-	3600	4450	3660
Double masts	2600	-	4000	4850	4060
	1800	1200	3600	4450	3660
	1935	1330	4000	4850	4060
	2035	1430	4300	5150	4360
Three masts Full freedom	2100	1500	4500	5350	4560

## List of types of industrial vehicles according to VDI 2198

characteristics			PS12CB	PS16CB	PS18CB
1.2	Model			PSCB	
	Manufacturer's type designation		PS12CB	PS16CB	PS18CB
1.3	Power (electric, diesel, gasoline, LPG, electrical)			Electric	
1.4	Driving method (manual, pedestrian, standing, driving, picking)			pedestrian/standing	
1.5	Load Capacity	Q (t)	1200	1600	1800
1.6	Load Center Distance	c (mm)		500	
1.8	Front overhang	x (mm)		150	
1.9	Wheelbase	y (mm)	1350	1450	1700
Weight					
2.1	Dead weight (including battery)	kg	2165	2265	2350
2.2	Axle load at full load, drive side/load side	kg	420 / 2945	381 / 3484	505 / 3685
2.3	Axle load at no load, drive side/load side	kg	985 / 1180	1082 / 1182	1138 / 1212
Wheel					
3.1	Tires			Polyurethane wheel	
3.2	Wheel size, drive side	x w (mm)		Ø 250×82	
3.3	Wheel size, load bearing side	x w (mm)		Ø 230×100	
3.5	Number of wheels (x = drive wheels) drive side / load-bearing side			1x / 2	
3.6	Wheelbase (front), drive side	b10 (mm)		/	
Dimensions					
4.1	Mast/fork frame tilt angle, forward/backward tilt	$\alpha / \beta (^{\circ})$		1.5 / 3.5	
4.2	Lowered mast height	h1 (mm)		2100	
4.3	Free lift height	h2 (mm)		1500	
4.4	Lift height	h3 (mm)		4500	
4.5	Extended mast height	h4 (mm)		5395	
4.9	Height of tiller in drive position min./max.	h14 (mm)		970 / 1370	
4.15	Lowered height	h13 (mm)		60	
4.19	Overall length	l1 (mm)	2690	2790	3060
4.20	Length to face of forks	l2 (mm)	1760	1840	1990
4.21	Overall width	b1 (mm)		1090	
4.22	Fork dimensions	s/e1 (mm)		35 / 100 / 950	40 / 120 / 1070
4.25	Distance between fork-arms	b5 (mm)		220-760	
4.32	Ground clearance, center of wheelbase	m2 (mm)		52	
4.33	Aisle width for pallets 1000*1200(crossways)	Ast (mm)	3110	3210	3360
4.34	Aisle width for pallets 800*1200(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	
Electric-engine					
6.1	Drive motor rating S2 60min	kW		2.6	
6.2	Lift motor rating at S3 10%	kW		3.0/3.2	
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 / 350
6.5	Battery weight +/-5%	kg		285	315
6.6	Energy consumption acc. to VDI cycle	kWh/h	1.80	1.88	1.90
Additional data					
8.1	Type of drive control			AD	
8.4	Sound level at driver's ear	dB(A)		68	

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