



List of types of industrial vehicles according to VDI 2198

characteristics		PS 12CB-C	PS 15CB-C
1.2	Manufacturer's type designation	PS 12CB-C	PS 15CB-C
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) 1.2	1.5
1.6	Load Center Distance	c (mm) 500	
1.8	Front overhang	x (mm) 135	
1.9	Wheelbase	y (mm) 1410	1550
Weight			
2.1	Dead weight (including battery)	kg 1850	2130
2.2	Axle load at full load, drive side/load side	kg 400/2650	450/3180
2.3	Axle load at no load, drive side/load side	kg 900/950	1020/1110
Wheel			
3.1	Tires	Polyurethane wheel	
3.2	Wheel size, drive side	x w (mm) Ø 230×82	
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	$\alpha / \beta$ (°) /	1.5/4
4.2	Lowered mast height	h1 (mm) 2400	2100
4.3	Free lift height	h2 (mm) 0	1500
4.4	Lift height	h3 (mm) 3600	4500
4.5	Extended mast height	h4 (mm) 4200	5395
4.9	Height of tiller in drive position min./max.	h14 (mm) 923/1358	
4.15	Lowered height	h13 (mm) 40	
4.19	Overall length	l1 (mm) 2790	2927
4.20	Length to face of forks	l2 (mm) 1840	1977
4.21	Overall width	b1 (mm) 1090	
4.22	Fork dimensions	s/e/l (mm) 35 / 100 / 950	
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) 2991	3125
4.34	Aisle width for pallets 800*1200(lengthways)	Ast (mm) 3076	3210
4.35	Turning radius	Wa (mm) 1738	1872
Performance data			
5.1	Travel speed,laden/unladen	km/h 5,5/6	
5.2	Lift speed,laden/unladen	mm/s 95/135	100/200
5.3	Lowering speed,laden/unladen	mm/s 100/100	180/180
5.8	Max. gradeability,laden/unladen	% 6/15	
5.10	Service brake	Electromagnetic	
Electric-engine			
6.1	Drive motor rating S2 60min	kW 1.6	
6.2	Lift motor rating at S3 10%	kW 2.2	3.0
6.3	Battery acc.to Din 43531/35/36 A,B,C no	DIN	
6.4	Battery voltage,nominal capacity K5	V / Ah 24/210	24 / 270
6.5	Battery weight +/-5%	kg 195	235
6.6	Energy consumption acc.to VDI cycle	kWh/h	
Additional data			
8.1	Type of drive control	AD	
8.4	Sound level at driver's ear	dB(A) 68	

PSCB					
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
Double masts	2200	-	3200	4050	3260
	2400	-	3600	4450	3660
	2600	-	4000	4850	4060
Three masts	1800	1200	3600	4450	3660
	1935	1330	4000	4850	4060
	2035	1430	4300	5150	4360
Full freedom	2100	1500	4500	5350	4560

We promise, We deliver



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**PS 12/15CB-C**

**Electric Counterbalanced Stacker**



**NEW** / *Noblelift Products*  
**ARRIVAL**

# PS 12/15CB-C Electric Counterbalanced Stacker

PS12/15CB-C is an electric counterbalanced stacker that is suitable for versatile applications. It optional to have the rider platform or not, with rated capacity up to 1500kg.

Low energy consumption with long working hours, suitable for loading and unloading goods from factories, warehouses, lorries etc.

## Advantage:

- Ergonomic smart handle.
- Powerful AC vertical drive system.
- Electric power steering.
- Foldable platform and protective arms.

## CAN-BUS

### CAN-BUS Technology

CAN-BUS not only reduces the number of wiring, but also improves the reliability of the system.

Canbus technology allows for quicker troubleshooting and helps to reduce maintenance time comparing to trucks without.

Compared with traditional analog signals, digital signals have higher reliability and are not easily to be interfered with.



**Multi-function handle**  
Multi-functional handle with Canbus technology has combined lifting and tilting function, which allows for easy operation and effective stacking. Canbus helps to simplify the wiring thus improves the reliability of the truck. Pin-code panel with indication of battery power and working hours makes operation much easier. The combination of emergency reverse switch, turtle speed switch and variable speed control helps to ensure the safety of operation.



**Quality industrial lead acid battery**  
long operating time, suitable for factories, warehouses, trucks and other places, especially for the loading and unloading of cargo in narrow space. PS12BCB-C comes with 24v/210Ah battery and PS15CB-C with 24v270Ah battery (optional 350Ah).



**Foldable platform**  
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.



**Emergency switch**  
Emergency switch ensures the safety of driving.



**Storage tray**  
The robust battery cover comes with a storage area for tools and stretch film used for packaging.



Optional integral front and rear tilting structure of the mast, which is more stable and safer. (Other Chinese manufacturers use the structure of the front and rear tilting of the fork.)



**Powerful AC vertical drive system**  
AC vertical drive system increases performance, reduces maintenance cost and improves working efficiency.

**Electric power steering**  
Electric power steering makes the operating effortless. Maneuvering in narrow spaces becomes a lot easier with electric power steering.



**High performance pump**  
The high performance pump ensures the accurate positioning of the fork during the lifting and lowering process, which makes the acceleration/deceleration more stable and safer.



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

