

ELECTRIC STACKER

PS12/16/18CB

Electric Counterbalance Stacker

NOBLELIFT

Built for better.

OVERVIEW

BUILT FOR BETTER.

Where straddle legs get in the way, the PS12/16/18CB keeps working. Its counterbalanced design keeps the area beneath the forks clear, so operators can handle closed-base pallets, stillages and cage pallets, and work right up against racking, benches and walls. Capacities from 1,200 to 1,800 kg and lift heights up to 4,500 mm cover everyday stacking and racking. A short wheelbase and tight turning radius keep it nimble in narrow aisles. The fold-down ride-on platform lets operators cover longer runs at up to 8 km/h, then tucks away for compact work.



Key Features

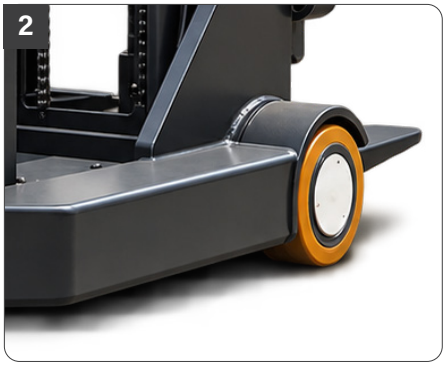
1



Powerful AC drive

A Schabmüller AC drive motor and KORDEL gearbox deliver strong, efficient travel at up to 8 km/h, with German-made drive wheels for long PU wheel life.

2



Electric power steering

Standard electric power steering gives quick, accurate, effortless control of the steering wheel, with high reliability and safety.

3



Proportional lift and lowering

A full-proportional hydraulic system gives smooth, precise control when raising and lowering, for accurate load positioning at height.

4



German REMA handle

An ergonomic German REMA control handle with a non-contact lifting/lowering rocker switch makes operation intuitive and reliable, and extends handle life.

5



Italian Zapi controllers

Italian Zapi drive and steering controllers provide reliable, flexible, high-performance control.

6



Overall mast forward-and-backward design

The whole mast reaches forward and back rather than just the forks, giving greater stability and safer load handling up high.



INTELLIGENT SAFE AND RELIABLE.

NOBLELIFT
Built for better.

Well-designed, safe and easy to maintain.



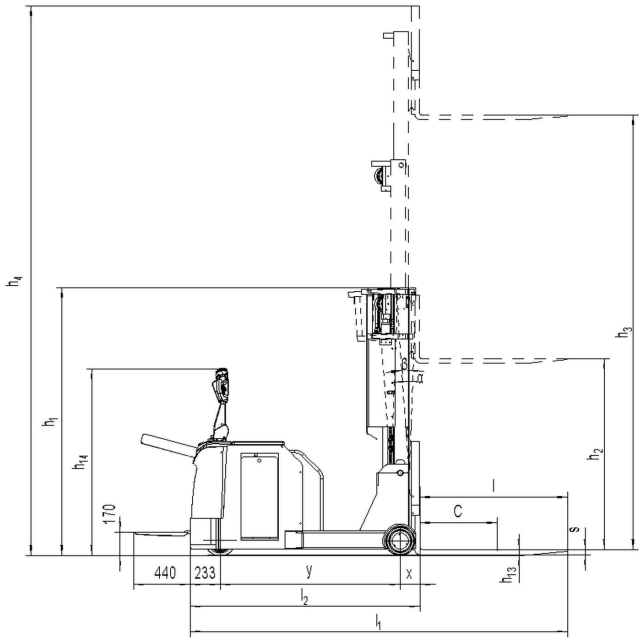
FEATURE	
Compact design	A small wheelbase and tight turning radius suit narrow aisles and confined spaces.
Fast travel speed	Full-load 7 km/h and no-load 8 km/h keep throughput high across the shift.
Multi-function display	Shows working status, battery power, hours, travel speed and steering angle; the outer ring changes green to red with a fault code if a problem arises, and a USB port powers extra devices.
Side battery extraction	The battery slides out to the side via a trailer for fast changeovers across multiple shifts.
Foldable ride-on platform	An integrated folding platform and protective arm keep the truck short and manoeuvrable, with a floating platform for a more comfortable ride.

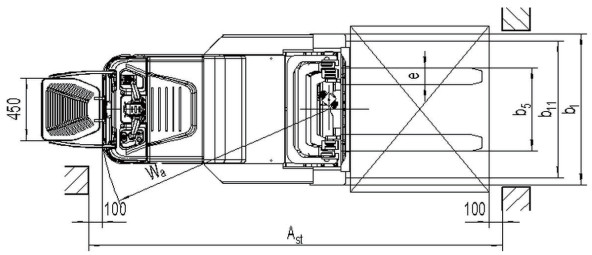
Type sheet acc. to VDI 2198- PS12CB/16CB/18CB

Identification				
Manufacturer's type designation		PS12CB	PS16CB	PS18CB
Drive		Electric	Electric	Electric
Operator type		pedestrian / Standing	pedestrian / Standing	pedestrian / Standing
Load capacity / rated load	Q (t)	1.2	1.6	1.8
Load centre distance	c (mm)	500	500	500
Load distance, centre of drive axle to fork	x (mm)	135	135	135
Wheelbase	y (mm)	1350	1450	1700
Weights				
Service weight	kg	2075	2185	2450
Axle load at full load, drive side / load side	kg	410 / 2865	360 / 3425	565 / 3725
Axle load at no load, drive side / load side	kg	960 / 1115	1030 / 1155	1238 / 1212
Wheels Chassis				
Tyres		Polyurethane wheel	Polyurethane wheel	Polyurethane wheel
Tyre size, front	Øxw (mm)	Ø 250×82	Ø 250×82	Ø 250×82
Tyre size, rear	Øxw (mm)	Ø 230×100	Ø 230×100	Ø 230×100
Wheels, number front / rear (x=driven)		1x / 2	1x / 2	1x / 2
Tread, front	b10 (mm)	/	/	/
Tread, rear	b11 (mm)	/	/	/
Tread, rear	b11 (mm)	455		455
Track width, rear	b11(mm)	920		920
Dimensions				
Tilt of mast / fork carriage forward / backward	α/β (°)	1.5 / 4	1.5 / 4	1.5 / 4
Lowered mast height	h1 (mm)	2100	2100	2100
Free lift height	h2 (mm)	1500	1500	1500
Lift	h3 (mm)	4400	4400	4400
Extended maximal height	h4 (mm)	5300	5300	5300
Height of tiller in drive position min / max	h14 (mm)	970 / 1370	970 / 1370	970 / 1370
Height, lowered	h13 (mm)	60	60	60
Overall length	l1 (mm)	2670	2770	3040
Length to face of forks	l2 (mm)	1740	1840	1990
Overall width	b1 (mm)	1090	1090	1090
Fork dimensions	s/e/l (mm)	35 / 100 / 950	40 / 120 / 1070	40 / 120 / 1070
Width across forks	b5 (mm)	220-760	220-760	220-760
Ground clearance, centre of wheelbase	m2 (mm)	52	52	52
Aisle width for pallets 1000×1200 crossways	Ast (mm)	3110	3210	3360
Aisle width for pallets 800×1200 lengthways	Ast (mm)	3220	3320	3470
Turning radius	Wa (mm)	1605	1705	1855
Performance Data				
Travel speed, laden / unladen	km/h	7 / 8	7 / 8	6 / 7
Lift speed, laden / unladen	mm/s	140 / 200	120 / 200	100 / 200
Lowering speed, laden / unladen	mm/s	250 / 200	300 / 200	320 / 200
Max. gradeability, laden / unladen	%	6 / 15	6 / 15	6 / 15
Service brake		Electromagnetic	Electromagnetic	Electromagnetic
E-Motor				
Drive motor rating S2 60 min	kW	2.6	2.6	2.6
Lift motor rating at S3 10%	kW	3.2	3.2	3.2
Battery acc. to DIN 43531/35/36 A, B, C, no		DIN	DIN	DIN
Battery voltage, nominal capacity K5	V/Ah	24 / 270	24 / 270	24 / 350
Battery weight	kg	235	235	288
Energy consumption acc. to VDI cycle	kWh/h	1.80	1.88	1.90
Other				
Type of drive control		AC	AC	AC
Sound level at driver's ear acc. to EN 12053	dB(A)	68	68	68

Mast options

Designation	Lowered mast h1 (mm)	Free lift h2 (mm)	Lift height h3 (mm)	Extended mast h4 (mm)	Lift + fork h3+h13 (mm)
Single-stage mast	2196	-	1540	2400	1600
	908	1060	1213	1365	1518
Two-stage mast	1850	-	2440	3300	2500
	1305	1458	1615	1765	1917
	2100	-	2940	3800	3000
	185	185	185	185	185
	2200	-	3140	4000	3200
	2400	-	3540	4400	3600
	230				
	2600	-	3940	4800	4000
Three-stage mast, full free lift	1800	1200	3540	4400	3600
	1935	1330	3940	4800	4000
	2035	1430	4240	5100	4360
	2100	1500	4440	5300	4500







NOBLELIFT

Built for better.



LITHIUM BATTERY

LONG LASTING AND SAFE LITHIUM POWER.

NOBLELIFT uses LiFePO4 chemistry — the longest-lasting and safest lithium battery chemistry available. Every battery is equipped with a Battery Management System (BMS), a thermal management system, and an intelligent control system. The BMS monitors all charging and discharging data to keep the battery safe throughout its life cycle.

Our lithium battery packs are backed by a 5-year / 10,000 hour warranty.

Advantages of Lithium Power

	LEAD-ACID BATTERY	LITHIUM BATTERY
PRODUCTIVITY	Lower fleet availability — work is interrupted because the battery must be fully charged before next use.	100% fleet availability — opportunity charging tops the battery up between use.
SERVICE LIFE	Periodic battery replacement.	Lasts up to 3 times longer and doesn't need replacing.
ONGOING MAINTENANCE	Outsourced or in-house maintenance personnel required.	No maintenance cost.
CHARGE DURATION	8–10 hours — 2 or more batteries per machine.	2–3 hours — 1 battery per machine.
BATTERY ROOM	Requires an expensive, ventilated battery room.	No battery room needed.
SAFETY	Releases hydrogen while charging (explosion risk); acid burns possible during maintenance.	No dangerous substances.
POWER SAVINGS	Power loss.	No power loss — reduces energy consumption by up to 35%.



NOBLELIFT
Built for better.

SERVICING, PARTS & SUPPORT.

At Noblelift, we understand that reliable servicing and maintenance are essential to keeping your operation running smoothly. That's why we offer comprehensive support tailored to the needs of your Noblelift fleet. With our commitment to excellence and customer satisfaction, you can trust us to keep your equipment operating at peak performance.

Through our nationwide New Zealand network we can provide:

NATIONAL TECHNICAL SUPPORT

Help by phone or on site, nationwide.

FULLY STOCKED PARTS

Genuine parts held in stock across NZ.

MAINTENANCE & SERVICE CONTRACTS

Flexible plans built around your operation.

DEDICATED SERVICE TEAM

Factory-trained technicians with the product knowledge and diagnostic tools to keep your fleet running.

GENUINE PARTS & ACCESSORIES

A full inventory of genuine Noblelift parts, ready when you need them.

BACK-UP MACHINERY

A rental and support fleet on standby to keep you moving through any downtime.

CUSTOMER TRAINING & SUPPORT

Hands-on operator and maintenance training so your team works safely and efficiently.

SCHEDULED MAINTENANCE PROGRAMS

Proactive, tailored servicing that catches issues early and prevents costly breakdowns.

24/7 EMERGENCY SUPPORT

Round-the-clock help to get you back up and running fast.



NOBLELIFT

Built for better.

Talk to our team for sales and enquires

enquiries@noblelift.nz

09 956 5992

Noblelift New Zealand.