

ELECTRIC STACKER

PSE06BCB

Electric Counterbalance Stacker

NOBLELIFT

Built for better.

OVERVIEW

BUILT FOR BETTER.

The PSE06BCB is a mini counterbalanced stacker lifting 600kg to 3,200mm, designed from the ground up to be light and compact. A small turning radius and slim body let it work tight aisles and confined spaces, while its optimised low self-weight makes it ideal for mezzanine work — it slips easily into a cargo lift. A counterbalanced design with twin parallel loading wheels adapts to most pallets, and strong gradeability with quick travel keeps it productive. A long tiller and CAN-bus multi-function handle make it safe, comfortable and simple to operate, with a built-in charger for go-anywhere convenience.



Key Features



Versatile application

A compact, light design with a small turning radius, increased ground clearance and a counterbalanced twin loading-wheel layout lets it work confined aisles, rough floors and mezzanines, and fit easily into a cargo lift.



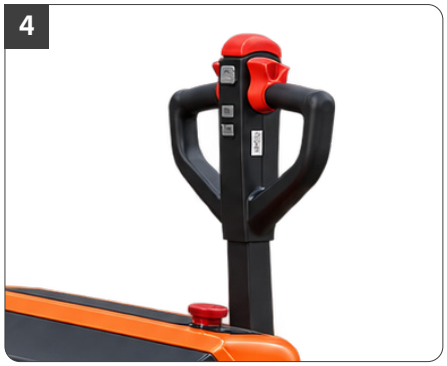
Strong power

A simple, low-loss hydraulic system and strong gradeability with fast travel keep it working hard and moving quickly.



Easy operation

An extremely narrow body gives broad vision and a clear view of the load, while a built-in charger makes recharging simple and keeps the truck working where you need it.



Long tiller arm

A long tiller keeps the operator at a safe, comfortable distance with lighter, easier steering than a short tiller, and clear sightlines for fast, efficient stacking.



Multi-function handle

A CAN-bus multi-function handle simplifies wiring for greater reliability and puts lifting, lowering, butterfly-style thumb drive controls, turtle (creep) speed, emergency reverse, horn, power/hours display and a smart PIN lock all at the operator's fingertips.

Intelligent, safe, reliable.



FEATURE	
Multi-function handle	Butterfly-style thumb drive, electric lift and lower, creep speed, emergency reverse and horn, a smart PIN code, and a battery/ hours display with on-board diagnostics.
Long tiller	Keeps the operator at a safe distance with light, easy steering and a clear view for stacking.
Built-in charger	An on-board charger lets the truck run more autonomously and widens its working range.
Mezzanine & cargo-lift ready	A compact, light design that fits easily into cargo lifts for mezzanine work.
Counterbalanced twin loading wheels	Adjustable forks and a twin parallel loading-wheel layout adapt to most pallets.
Increased ground clearance	Extra clearance for confident work on rough or uneven floors.

Specifications - PSE06BCB

Identification		
Manufacturer's type designation		PSE06BCB
Drive		Battery
Operator type		Pedestrian
Load capacity / rated load	Q (t)	0.6
Load centre distance	c (mm)	500
Load distance, centre of drive axle to fork	x (mm)	110
Wheelbase	y (mm)	845
Weights		
Service weight	kg	1175
Axle loading, laden front / rear	kg	300 / 1474
Axle loading, unladen front / rear	kg	740 / 435
Wheels Chassis		
Tyres		Polyurethane (PU)
Tyre size, front	Øxw (mm)	Ø230×75
Tyre size, rear	Øxw (mm)	Ø84×70
Additional wheels (dimensions)	Øxw (mm)	/
Wheels, number front / rear (x=driven)		1x/4
Tread, front	b10 (mm)	/
Tread, rear	b11 (mm)	602
Dimensions		
Lowered mast height	h1 (mm)	2110
Lift	h3 (mm)	3200
Extended maximal height	h4 (mm)	3695
Height of tiller in drive position min / max	h14 (mm)	750 / 1165
Height, lowered	h13 (mm)	65
Overall length	l1 (mm)	2165
Length to face of forks	l2 (mm)	1245
Overall width	b1 (mm)	802
Fork dimensions	s/e/l (mm)	35 / 100 / 920
Width across forks	b5 (mm)	252-700
Ground clearance, centre of wheelbase	m2 (mm)	55
Aisle width for pallets 1000×1200 crossways	Ast (mm)	2630
Aisle width for pallets 800×1200 lengthways	Ast (mm)	2740
Turning radius	Wa (mm)	1175
Performance Data		
Travel speed, laden / unladen	km/h	4.5
Lift speed, laden / unladen	m/s	0.11 / 0.14
Lowering speed, laden / unladen	m/s	0.14 / 0.13
Max. gradeability, laden / unladen	%	5 / 8
Service brake		Electromagnetic
E-Motor		
Drive motor rating S2 60 min	kW	0.75
Lift motor rating at S3 10%	kW	2.2
Battery acc. to DIN 43531/35/36 A, B, C, no		/
Battery voltage, nominal capacity K5	V/Ah	24 / 60 Li
Battery weight	kg	17
Energy consumption acc. to VDI cycle	kWh/h	0.47
Other		
Type of drive control		DC
Sound level at driver's ear acc. to EN 12053	dB(A)	<70



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%.

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

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Talk to our team for sales and enquires

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Noblelift New Zealand.