

ELECTRIC STACKER

PSE 12NSL

Walkie Straddle Stacker

NOBLELIFT

Built for better.

OVERVIEW

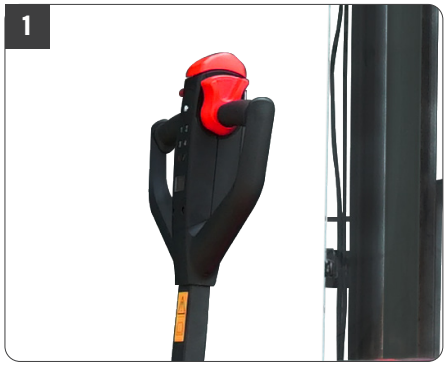
BUILT FOR BETTER.

The PSE12NSL is a compact, lithium-powered straddle-leg stacker built for light-duty stacking in tight spaces. It lifts 1,200kg loads to 3.5 metres, with adjustable straddle legs that adapt to a range of pallet sizes and a footprint small enough to turn in just 1,345mm. An ergonomic EDGE tiller gives smooth, intuitive control — right down to driving in the upright position for safe work in confined aisles — while a robust steel-and-glass-fibre build keeps it working shift after shift. Nimble, sturdy and easy to maintain, it's an ideal everyday stacker for mezzanines and light operations.



Key Features

1



Ergonomic EDGE tiller

An intuitive head puts everything at the operator's thumbs: dual butterfly driving controls, electric lift and lower, a creep-speed button and emergency reverse, plus keyless PIN-code access and on-board diagnostics with a battery indicator and hour counter.

2



Drive upright in tight spaces

The tiller can be driven in the vertical position for safe work in confined areas, with an air spring returning it smoothly to upright and automatic speed reduction through turns.

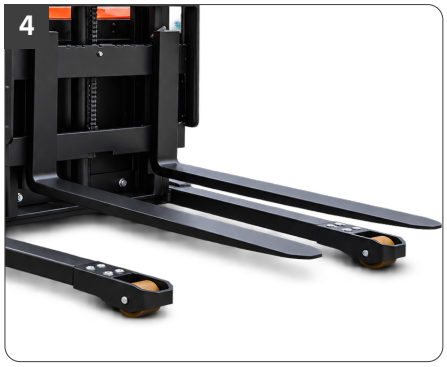
3



Compact and manoeuvrable

A compact footprint turns in just 1,345mm, making light work of tight aisles and doorways.

4



Adjustable straddle legs

Multi-position straddle legs adjust to suit a range of pallet sizes, for stable, flexible loading.

5



Lifts 1,200kg to height

Handles 1,200kg with strong residual capacity right up to its full 3.5m lift height.

6



Easy to maintain

Fast access to every component with no special tools, and CAN communication for simple, reliable diagnostics.



INTELLIGENT SAFE AND RELIABLE.

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Well-designed, safe and easy to maintain.



FEATURE	
Clear fork visibility	A wide mast gives an uninterrupted view of the forks — no sightlines blocked by mast sections, cylinders or chains — for safer, more accurate stacking.
Glass-fibre tiller	A tiller moulded from 30% glass-fibre PA6 for high strength.
Welded forks	Welded forks for robust, long-lasting strength.
Steel cover	A 2.0mm steel main cover stands up to knocks and daily wear.
Real mast profiles	Genuine mast profiles — no cheap bent sections — maintain performance across the truck's life.

Specifications - PSE 12NSL

Identification		
Manufacturer's type designation		PSE12NSL
Drive		Battery
Operator type		Pedestrian
Load capacity / rated load	Q (t)	1.2
Load centre distance	c (mm)	600
Load distance, centre of drive axle to fork	x (mm)	674
Wheelbase	y (mm)	1111
Weights		
Service weight	kg	825
Axle load at full load, drive side / load side	kg	745 / 1280
Axle load at no load, drive side / load side	kg	625 / 200
Wheels Chassis		
Tires		Polyurethane
Tire size, front	Øxw (mm)	Ø210×75
Tire size, rear	Øxw (mm)	Ø84×93
Additional wheels (dimensions)	Øxw (mm)	Ø100×40
Wheels, number front / rear (x=driven)		1x+2/2
Tread, front	b10 (mm)	520
Dimensions		
Lowered mast height	h1 (mm)	2290
Free lift height	h2 (mm)	-
Lift	h3 (mm)	3514
Extended maximal height	h4 (mm)	4064
Height of tiller in drive position min / max	h14 (mm)	710 / 1150
Height, lowered	h13 (mm)	50
Overall length	l1 (mm)	1790
Length to face of forks	l2 (mm)	640
Overall width	b1 (mm)	800 / (1181/1231/1281/1381/1481)
Fork dimensions	s/e/l (mm)	40 / 100 / 1150
Width across forks	b5 (mm)	252-800
Ground clearance, centre of wheelbase	m2 (mm)	40
Aisle width for pallets 1000×1200 crossways	Ast (mm)	2228
Aisle width for pallets 800×1200 lengthways	Ast (mm)	2206
Turning radius	Wa (mm)	1345
Performance Data		
Travel speed, laden / unladen	km/h	4.2 / 4.5
Lift speed, laden / unladen	mm/s	0.11 / 0.14
Lowering speed, laden / unladen	mm/s	0.13 / 0.11
Max. gradeability, laden / unladen	%	4 / 10
Service brake		Electromagnetic
E-Motor		
Drive motor rating S2 60 min	kW	0.65
Lift motor rating at S3 10%	kW	2.2
Battery acc. to DIN 43531/35/36 A, B, C, no		No
Battery voltage, nominal capacity K5	V/Ah	24 / 60 Li
Battery weight	kg	17
Energy consumption acc. to VDI cycle	kWh/h	0.6
Other		
Type of drive control		DC
Sound level at driver's ear acc. to EN 12053	dB(A)	<70

Mast options

Designation	1940	1514	1514	2064	1564
Single-stage mast	2340	1914	1914	2464	1964
	1790	-	2514	3064	2564
Two-stage mast	1940	-	2814	3364	2864
	2090	-	3114	3664	3164
	2290	-	3514	4064	3564
	2308	1760	3510	4080	3560



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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%.



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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.



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Talk to our team for sales and enquires

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Noblelift New Zealand.