PSE13NPRO

NEW!

GARANTIE 100% QUALITÉ PREMIUM

"EDGE

Lithium electric stacker with a load capacity of 1300 kg

INTRODUCTION

The new PSE13NPRO "EDGE" electric stacker is at the cutting edge of innovation. It's the perfect combination of compactness and efficiency. All powered by a 100Ah lithium-ion battery.

ADVANTAGES

- Capacity 1.3 tonnes
- Large free lift
- Proportional lifting
- Compact and lightweight
- Easy to handle
- New ergonomic 90° drawbar
- 24V / 100Ah Li-ion battery
- 5-hour operating time
- SmartView mast
- PIN code / RFID start-up
- USB port

Ergonomic, intelligent drawbar

RFID access card

RFID cards offer faster access to equipment and are ideal for applications where a stacker needs to be used by different operators.

A highly manoeuvrable stacker

The drawbar is fitted with a gas strut as standard. To enhance operating comfort and safety on trucks, the PSE13N PRO features automatic speed reduction on bends.

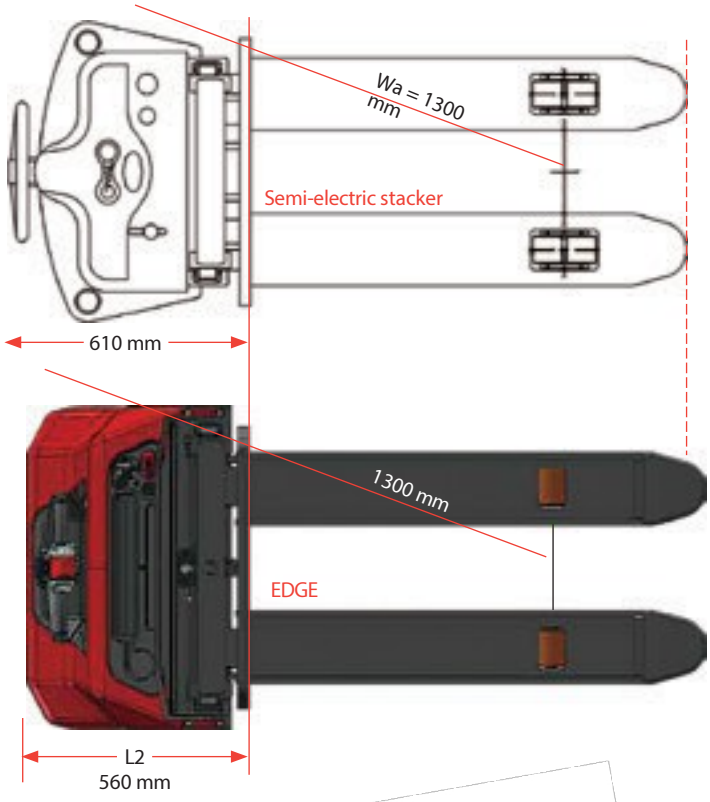
Vertical drawbar

Driving with the tiller in the upright position makes it easier to work in confined areas without compromising safety.

Robust chassis with innovative design

Robust and compact are the words that best characterize the chassis of the new EDGE. Everything has been thought out to increase the robustness of the equipment.

Model	Length L2	Radius of gyration
PSE13NPRO	560 mm	1300 mm



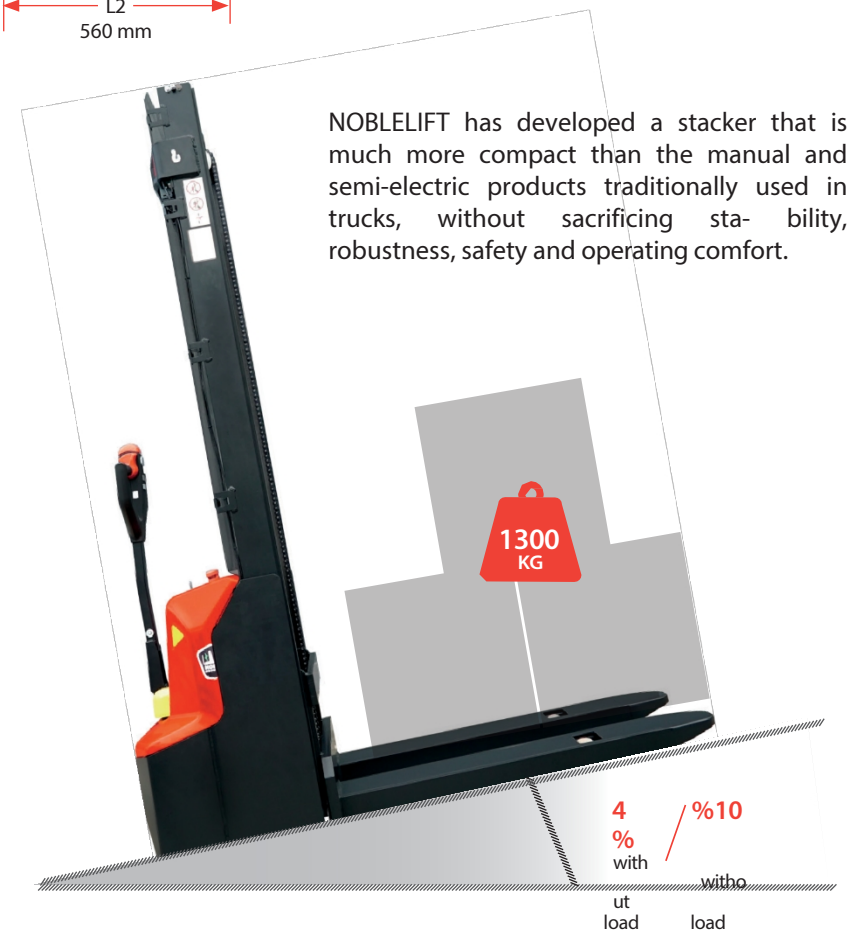
Steel hood

The main cover is made of 1.5 mm-thick steel.

Drawbar

The drawbar's robustness is due to the fact that it is made of 65% fiberglass.

NOBLELIFT has developed a stacker that is much more compact than the manual and semi-electric products traditionally used in trucks, without sacrificing sta- bility, robustness, safety and operating comfort.



Model	Maximum slope with load	Maximum slope no-load
PSE13NPRO	4 %	10 %

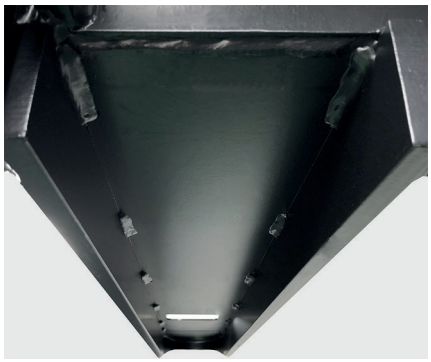
High residual capacities

- 1200 kg at 2500 mm
- 1000 kg at 2900 mm
- 800 kg at 3200 mm
- 600 kg at 3600 mm

Central drawbar and "smart view" mast

The new EDGE stackers are equipped with a central tiller arm for enhanced maneuverability and operator comfort.

The "smart view" mast system allows the operator to see up to 60% of the fork length, giving him a very wide range of visibility.



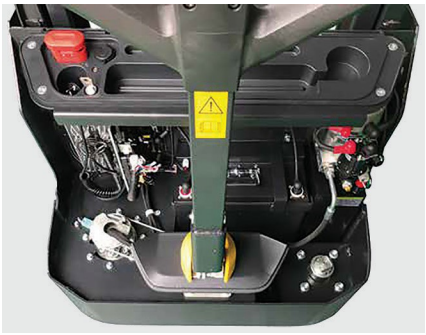
Heavy-duty forks

The thickness of the steel used, and the fully automated design and manufacture of the forks, guarantee their unfailing robustness.

Easy maintenance

Fast, convenient access to any stacker component, with no parts located in hard-to-reach areas. No special tools required.

The battery's BMS (Battery Managing System) monitors charging and discharging parameters, operating temperature and short-circuits. Communication with BMS and software settings is possible via CAN-BUS.



CURTIS

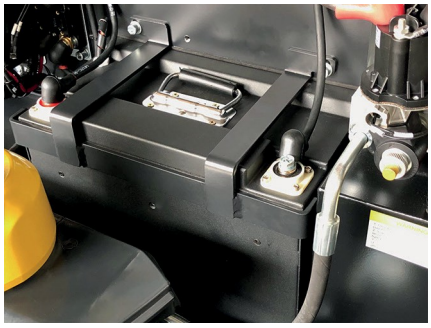
CAN-BUS

The electrical system uses the CAN-BUS communication protocol, increasing system reliability.

Dashboard with USB port

Lithium battery

24 V 100 Ah lithium **LifePO4** battery with **BMS**. Lithium battery with screw terminals inside steel housing.

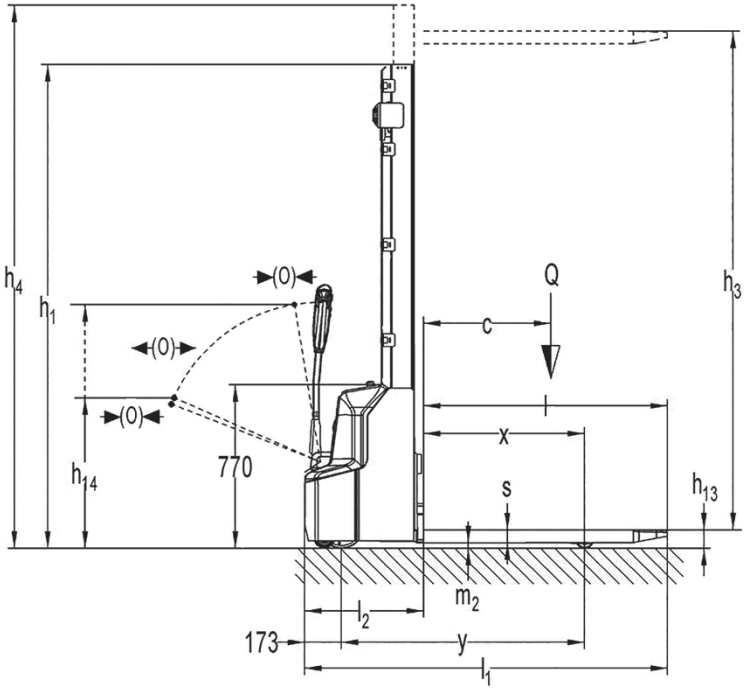


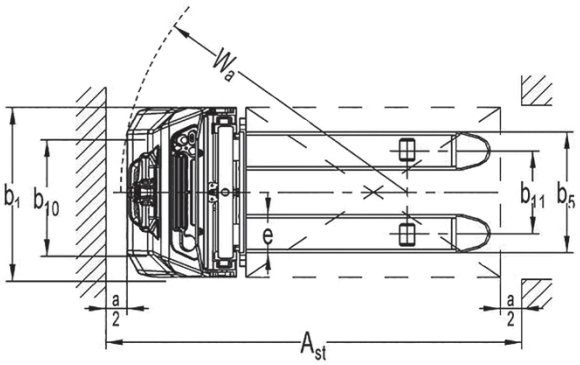
The PSE13NPRO stacker is equipped with a maintenance-free 24 V / 100 Ah **LifePO4** Li-ion battery and a very high number of charge/discharge cycles over its lifetime.

SAFETY

Photos and technical specifications are not contractual. The manufacturer reserves the right to make changes without notice.

PSE13NPRO





Stockman reference	Mast	Lowered mast height *h1 (mm)*	Free lift *h2 (mm)*	Standard lift *h3 (mm)*	Deployed mast height *h4 (mm)*	Weight *(kg)*
PSE13NPRO						
PSE13NPRO2900	**Duplex**	1930	1450	2810	3290	639
PSE13NPRO3600		2280	1800	3510	3990	670

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Technical data to VDI 2198					
Features	1.2	Reference ◆ Model		PSE13NPRO2900	PSE13NPRO3600
	1.3	Propulsion mode		electric	
	1.4	Drive type		companion	
	1.5	Rated capacity	Q (t)	1,3	1,3
	1.6	Center of gravity	c (mm)	600	600
	1.8	Distance from deck to roller centerline	x (mm)	710	710
	1.9	Wheelbase	y (mm)	1097	1097
Weight	2.1	Weight with batteries	kg	639	670
	2.2	Axle load with front/rear load	kg	560 / 1410	560 / 1410
	2.3	Axle load without front/rear load	kg	480 / 190	480 / 190
Wheels Chassis	3.1	Wheels		polyurethane (PU)	
	3.2	Drive wheel dimensions	Ø x w (mm)	Ø 210 x 75	Ø 210 x 75
	3.3	Front roller dimensions	Ø x w (mm)	Ø 84 x 93	Ø 84 x 93
	3.4	Stabilizer wheel dimensions	Ø x w (mm)	Ø 100 x 50	Ø 100 x 50
	3.5	Number of wheels front / rear (x = drive wheel)		1 x + 1 / 2	1 x + 1 / 2
	3.6	Frame spacing	b10 (mm)	550	550
	3.7	Rear wheel center distance	b11 (mm)	400 / 515	400 / 515
Dimensions	4.2	Lowered mast height	h1 (mm)	1930	2280
	4.3	Free lift	h2 (mm)	1450	1800
	4.4	Standard lift	h3 (mm)	2810	3510
	4.5	Extended mast height	h4 (mm)	3290	3990
	4.9	Height of drawbar in min/max running position	h14 (mm)	710 / 1150	710 / 1150
	4.15	Minimum fork height	h13 (mm)	90	90
	4.19	Overall length	l1 (mm)	1710	1710
	4.20	Length without forks	l2 (mm)	560	560
	4.21	Overall width	b1 (mm)	800	800
	4.22	Fork dimensions	s / e / l (mm)	60 / 180 / 1150	60 / 180 / 1150
	4.25	Outside fork width	b5 (mm)	570 / 685	570 / 685
	4.32	Ground clearance	m2 (mm)	24	24
	4.33	Aisle width with pallet 1000 x 1200 mm crosswise	Ast(mm)	2167	2167
	4.34	Aisle width with pallet 800 x 1200 mm longitudinal	Ast(mm)	2133	2133
	4.35	Radius of gyration	Wa (mm)	1300	1300
Performance	5.1	Travel speed with/without load	km / h	4,2/ 4,5	4,2/ 4,5
	5.2	Lift speed with/without load	mm / s	100 / 140	100 / 140
	5.3	Lowering speed with / without load	mm / s	110 / 130	110 / 130
	5.8	Permissible slope with/without load	%	4 / 10	4 / 10
	5.10	Service brake		electromagnetic	
Electrical system	6.1	Traction motor, power S2 60 min	kW	0,65	0,65
	6.2	Elevation motor, power S3 10	kW	2,2	2,2
	6.3	Batteries to DIN 43531 / 35 / 36 A, B, C, No		no	no
	6.4	Battery voltage / rated capacity K5	V / Ah	24 / 100 Li-ion	24 / 100 Li-ion
	6.5	Battery weight	kg	26	26
	6.6	Energy consumption according to VDI cycle	kWh / h	0,6	0,6
Miscellaneous	8.1	Transmission type		DC	DC
	8.4	Driver's ear noise level to EN 12053	dB (A)	< 70	< 70

RESIDUAL CAPACITIES

SX ◆ Simplex
DX ◆ Duplex
TX ◆ Triplex
SL ◆ Framing spars
FFL ◆ Large free lift

LI ◆ Initial lift
LP ◆ Proportional lifting
DA ◆ Power steering
SC ◆ Integrated weighing **CP** ◆ Pin code

PSE13NPRO

PSE13NPRO2900
PSE13NPRO3600

PSE13NPRO2900

h3 (mm)	Q (kg)		
2900	900	700	
2500	1200	1000	
cdg (mm)	600	700	

PSE13NPRO3600

h3 (mm)	Q (kg)		
3600	700	500	
3200	800	600	
2900	1000	800	
2500	1200	1000	
cdg (mm)	600	700	