PSE13NPRO
PSE13NPRO LI

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 is the perfect combination of compactness and efficiency. All powered by a 100Ah lithium-ion battery.

BENEFITS

- 1.3 tonne capacity
- Large free lift
- Semi-proportional lifting
- Initial lifting (PSE13NPROLI)
- Compact and lightweight
- Highly manoeuvrable
- New ergonomic 90° drawbar
- 24V / 100Ah Li-ion battery
- 5-hour autonomy
- SmartView mast
- PIN code / RFID start-up
- USB port

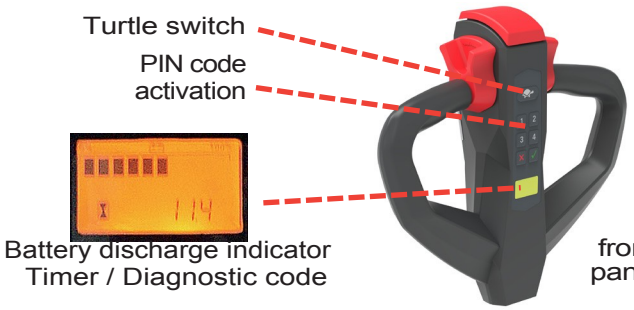
PSE13NPRO

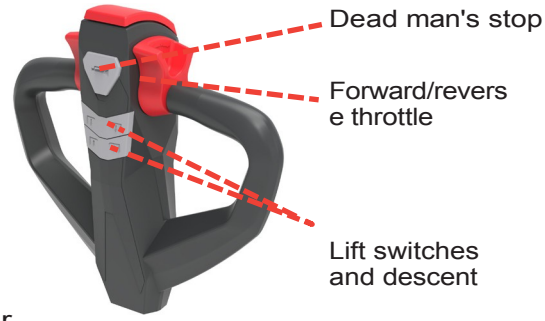
ONLY 1762 MM LONG

LARGE FREE LIFT

METAL COVER

Ergonomic and intelligent drawbar





RFID access card

The RFID card offers faster access to equipment and is ideal for applications where a stacker needs to be used by different operators.

A highly manoeuvrable stacker

The tiller arm is fitted with a gas strut as standard. To enhance operating comfort and safety on trucks, the PSE13N PRO is equipped with an automatic speed reduction function when cornering.

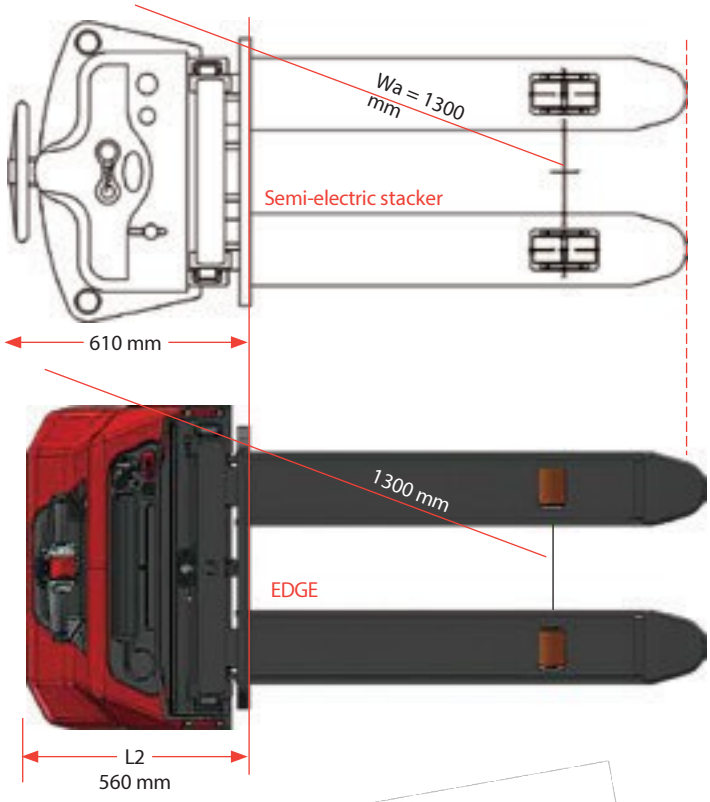
Vertical drawbar

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 characterise 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

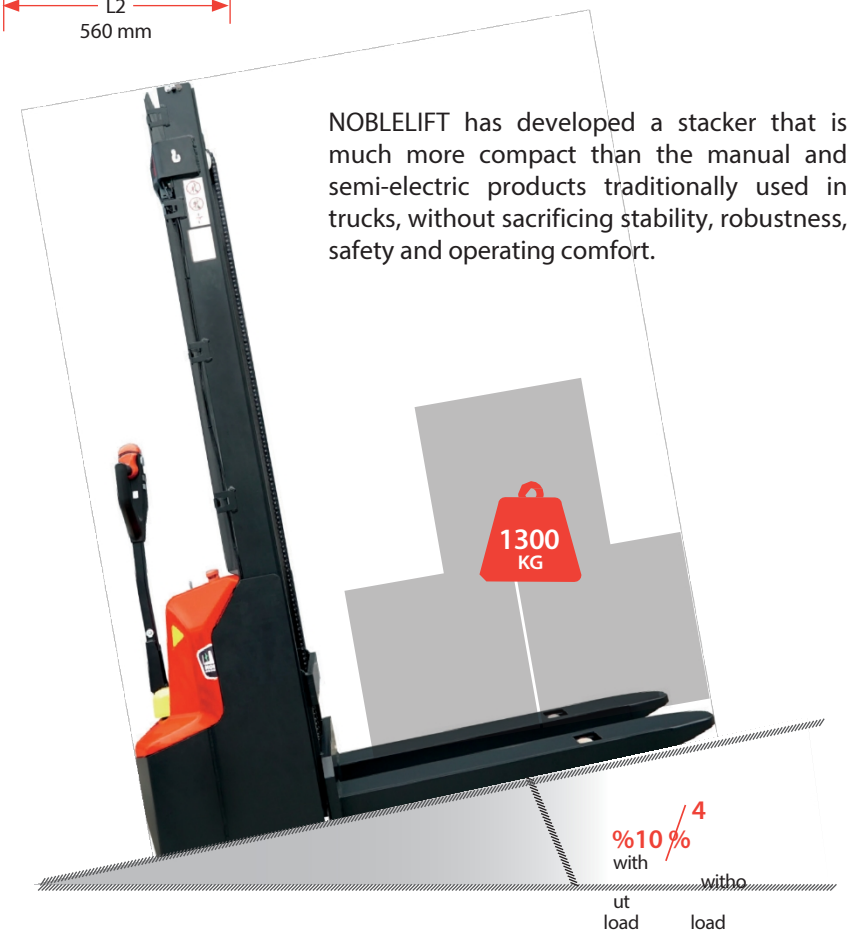


Steel cover

The main bonnet is made of 1.5 mm thick steel.

Drawbar

The robustness of the drawbar is due to the fact that it is made from 65% fibreglass.



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

Model	Maximum gradient with load	Maximum gradient without charge
PSE13NPRO	4 %	10 %

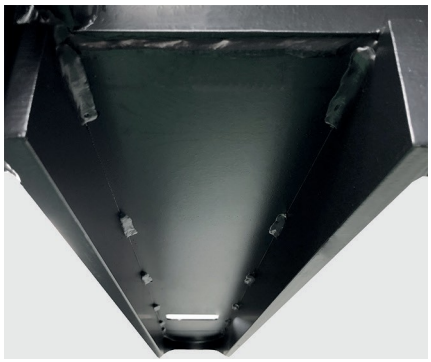
High residual capacities

- 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 improved manoeuvrability and operator comfort.

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



Robust forks

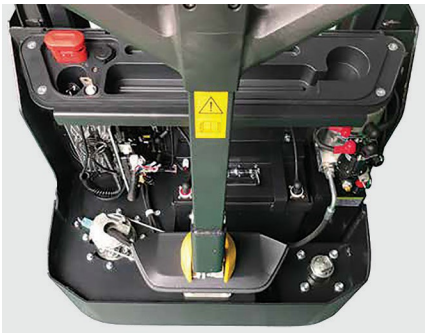
The thickness of the steel used, and the fully automated design and manufacture of the forks, ensure they will stand up to any test.

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

Easy maintenance

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

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



CURTIS

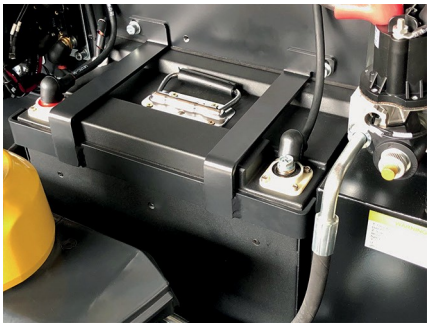
CAN-BUS

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 casing.

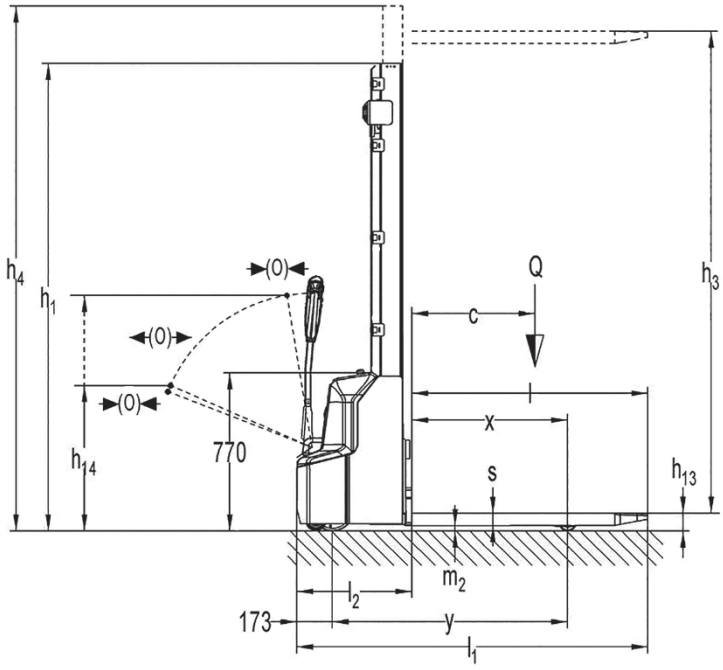


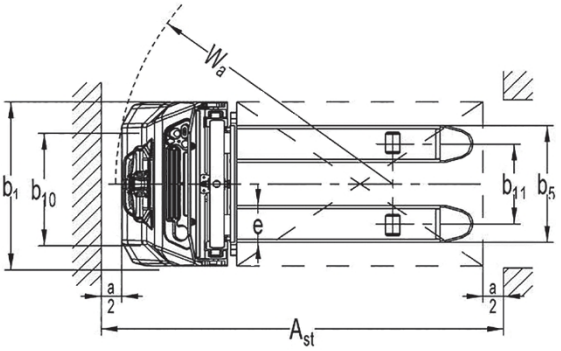
The PSE13NPRO stacker is equipped with a maintenance-free 24 V / 100 Ah **LifePO4** Li-ion battery and a very high number of charge/discharge cycles over its lifetime.

SAFETY

PSE13NPRO

PSE13NPROLI





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	670
PSE13NPRO3600		2280	1800	3510	3990	670
PSE13NPRO2900LI		1970	1450	2810	3330	745
PSE13NPRO3600LI		2320	1800	3510	4030	745

Technical data in accordance with VDI 2198					
	1.2	Part number ◆ Model		PSE13NPRO2900	PSE13NPRO3600
	1.3	Propulsion mode		electric	
	1.4	Type of driving		companion	
Features	1.5	Rated capacity	Q (t)	1,3	1,3
	1.6	Centre of gravity	c (mm)	600	600
	1.8	Distance from deck to roller axis	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	Dimensions front rollers	Ø x w (mm)	Ø 84 x 93	Ø 84 x 93
	3.4	Stabiliser 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 centre distance	b11 (mm)	400 / 515	400 / 515
Dimensions	4.2	Height of lowered mast	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 width of forks	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 gradient 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	Lift 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
Various	8.1	Transmission type		DC	DC
	8.4	Driver's ear noise level to EN 12053	dB (A)	< 70	< 70

Technical data in accordance with VDI 2198					
	1.2	Part number ◆ Model		PSE13NPRO2900LI	PSE13NPRO3600LI
	1.3	Propulsion mode		electric	
	1.4	Type of driving		companion	
Features	1.5	Rated capacity	Q (t)	1,3	1,3
	1.6	Centre of gravity	c (mm)	600	600
	1.8	Distance from deck to roller axis	x (mm)	769	769
	1.9	Wheelbase	y (mm)	1198	1198
Weight	2.1	Weight with batteries	kg	745	745
	2.2	Axle load with front/rear load	kg	650 / 1395	650 / 1395
	2.3	Axle load without front/rear load	kg	520 / 225	520 / 225
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	Dimensions front rollers	Ø x w (mm)	Ø 84 x 93	Ø 84 x 93
	3.4	Stabiliser 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 centre distance	b11 (mm)	400 / 515	400 / 515
Dimensions	4.2	Height of lowered mast	h1 (mm)	2320	2320
	4.3	Free lift	h2 (mm)	1800	1800
	4.4	Standard lift	h3 (mm)	3510	3510
	4.5	Extended mast height	h4 (mm)	4030	4030
	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)	1762	1762
	4.20	Length without forks	l2 (mm)	612	612
	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 width of forks	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)	2244	2244
	4.34	Aisle width with pallet 800 x 1200 mm longitudinal	Ast(mm)	2190	2190
	4.35	Radius of gyration	Wa (mm)	1401	1401
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	130 / 110	130 / 110
	5.8	Permissible gradient 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	Lift 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	0,69	0,69
Various	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
PSE13NPRO2900LI
PSE13NPRO3600LI

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

PSE13NPRO2900LI

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

PSE13NPRO3600LI

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