

The EDGE Smart Design

Pallet Stackers



EDGE Stacker
- EU Standard (Fork-over)
PSE12B/N



EDGE Stacker - Initial Lift
PSE12BD/ND



EDGE Stacker - Straddle Leg
PSE12BSL/NSL



EDGE Stacker-Mono-Mast
PSE12BM/NM



EDGE Stacker-Mono-Mast
PSE12BMD/PSE12NMD



EDGE Stacker-Mono-Mast
PSE12BMSL/PSE12NMSL

PSE12B/BD/BSL/BM/BMD/BMSL

- 1.2T Capacity **AGM**

- Perfect for light-duty applications.
- Compact & light service weight
- High maneuverability
- Maintenance-free Lead-acid Battery
- Integrated on-board 12A charger
- Ideal for use on mezzanines

PSE12N/ND/NSL/NM/NMD/NMSL

- 1.2T Capacity **Li-ion**

- Perfect for light-duty applications.
- Compact & light service weight
- High maneuverability
- Fast-charging Li-ion batteries.
- Integrated on-board 25A charger
- Ideal for use on mezzanines
- Ultimate solution for light duty operations

Smart and Ergonomic Tillers



Vertical Driving in Confined Space



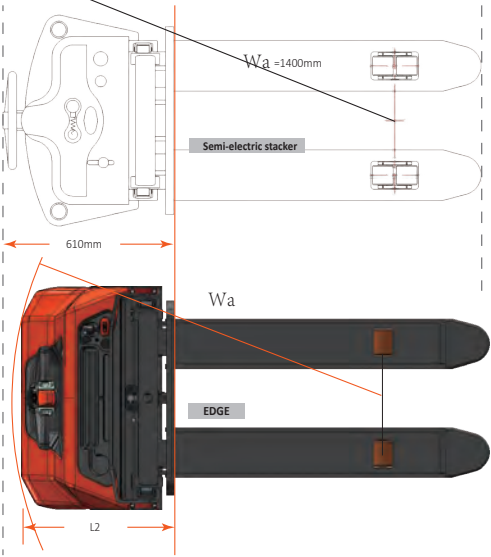
The function of driving with tiller in the **vertical position** helps with work in confined area without sacrificing of safety.

The tiller bar is supported by the air spring which helps to return the tiller to its vertical position without strike in the end point.

For increase of operation comfort and safety the trucks are equipped with speed reduction function in turns.



Smart Design with Compact Size and Perfect observation



Model	length(L2)	Turning Radius
PSE12B/N	560mm	1300mm
PSE12BD/ND	602mm	1395/1312mm
PSE12BSL/NSL	640mm	1345mm
PSE12BM/NM	560mm	1350mm

Our engineers put a lot of efforts to achieve compactness of the trucks in comparison with traditionally used manual and semi-electric products without sacrificing of stability, robustness, safety and operation comfort.

Robustness



Steel cover
The main cover is made out of steel with thickness 2.0mm.



Tiller is made out of PA6 30% of glass fiber material, having high strength.



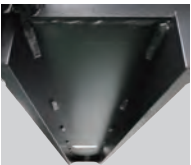
Capacity of 1200kg with high residual value at maximum height (load center distance 600 mm)



Wide mast provides perfect observation of forks, the field of view is clear and not interrupted by mast sections, cylinder or chains.



The operator can always clearly see the forks which significantly increases safety of operation.



Welded forks are used to ensure robustness.

Gradeability Performance

Model	PSE12B/N/BD/ND/BM/NM	PSE12BSL/NSL
Max.grade ability laden	5%	4%
Max.grade ability unladen	10%	10%



5% / 10%
(laden/ unladen)

Maintenance Friendly

Convenient and fast access to any component of the truck, no elements are located in areas difficult to reach. No Special tools are required.



CAN-bus Battery Management System

The BMS of battery controls charging and discharging parameters, working temperature, short circuits, has sleeping mode and is able to turn off the power in case of emergency. Communication with BMS and software adjustment is possible via CAN.



The electric system is using CAN communication protocol increasing reliability of the system.



PSE12B/BD/BSL/BM
2x12 85Ah (5Hr) AGM maintenance free batteries are used.
Optionally available 2x12 106Ah (5Hr).



For PSE12B the charger with current 12A is used
The standard charging time is 7 hours.



PSE12N/ND/NSL/NM
24V 60Ah Lithium LiFePO4 battery with BMS. Lithium battery has connection terminals with screws and located inside the steel case.



For PSE12N the charger with current 25A is used
The standard charging time is 2.5 hours
Opportunity charging is supported

The **PSE12N/ND/NSL/NM** stacker is equipped with maintenance-free 24V/60Ah LiFePO4 type Li-ion battery with fast charging and ultra-high number of charging /discharging cycles during life time; opportunity charging feature basically does not limit your operation time. The integrated BMS provides the same features as the BMS for the batteries of pallet trucks(refer to pallet truck section) .
The on-board charger with 25A current can provide full charge for less than 2.5 hours with great efficiency.

The **PSE12B/BD/BSL/BM** stacker is equipped with 2x12V 85Ah VRLA-AGM maintenance free batteries. Optionally available 2x12V 105Ah batteries for longer operation.
The stacker is equipped with 12A on-board charger. The charging time is 7-8 hours, opportunity charging is not available.

Capacity	Ready	Min Volt	Max Volt
17.6%	24.50V	0mV	0mV
	0.00A	0.0mV	Normal

Realtime	60.0	Ah	Wh(Current)	0.0	Wh	Reset
Rated Capacity	60.0	Ah	Wh(Current)	0.0	Wh	Reset
Discharge Cycle Times	...	...	Discharge Cycle Times	...	...	...

Name	Value	Units
Cell Temp1	25.3	°C
Cell Temp1	25.1	°C
SOC	45	1/255
Power Temp	27.1	°C
Envir Temp	32.2	°C
Cell Volt Alarm	none	
Total Volt Alarm	none	
Current Alarm	none	
Temp Alarm	none	
Balance Alarm	none	

Name	Value	Units
Cell	3507	mV
Total	24.5	V
Current	0.0	A
Run(Wh)	0	Wh

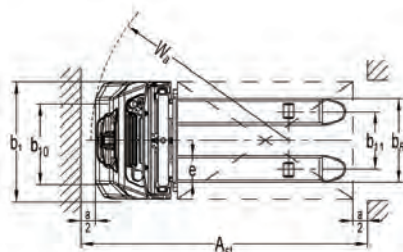
The software diagnostic tool for lithium batteries can provide full information about battery's condition and its current status.
(The above values are for reference only.)

Electric Stacker



Mast table PSE 12B/PSE 12N

Technical drawing of a crane hook assembly. The drawing shows a side view of the hook with various dimensions and force vectors. Dimensions include heights h_4 , h_1 , h_3 , h_4 , h_{13} , and h_3 ; horizontal distances l_2 , l_3 , l_4 , l_5 , l_6 , l_7 , l_8 , l_9 , l_{10} , l_{11} , l_{12} , l_{13} , l_{14} , l_{15} , l_{16} , l_{17} , l_{18} , l_{19} , l_{20} , l_{21} , l_{22} , l_{23} , l_{24} , l_{25} , l_{26} , l_{27} , l_{28} , l_{29} , l_{30} , l_{31} , l_{32} , l_{33} , l_{34} , l_{35} , l_{36} , l_{37} , l_{38} , l_{39} , l_{40} , l_{41} , l_{42} , l_{43} , l_{44} , l_{45} , l_{46} , l_{47} , l_{48} , l_{49} , l_{50} , l_{51} , l_{52} , l_{53} , l_{54} , l_{55} , l_{56} , l_{57} , l_{58} , l_{59} , l_{60} , l_{61} , l_{62} , l_{63} , l_{64} , l_{65} , l_{66} , l_{67} , l_{68} , l_{69} , l_{70} , l_{71} , l_{72} , l_{73} , l_{74} , l_{75} , l_{76} , l_{77} , l_{78} , l_{79} , l_{80} , l_{81} , l_{82} , l_{83} , l_{84} , l_{85} , l_{86} , l_{87} , l_{88} , l_{89} , l_{90} , l_{91} , l_{92} , l_{93} , l_{94} , l_{95} , l_{96} , l_{97} , l_{98} , l_{99} , l_{100} ; and a radius r . Force vectors include Q , F , F_1 , F_2 , F_3 , F_4 , F_5 , F_6 , F_7 , F_8 , F_9 , F_{10} , F_{11} , F_{12} , F_{13} , F_{14} , F_{15} , F_{16} , F_{17} , F_{18} , F_{19} , F_{20} , F_{21} , F_{22} , F_{23} , F_{24} , F_{25} , F_{26} , F_{27} , F_{28} , F_{29} , F_{30} , F_{31} , F_{32} , F_{33} , F_{34} , F_{35} , F_{36} , F_{37} , F_{38} , F_{39} , F_{40} , F_{41} , F_{42} , F_{43} , F_{44} , F_{45} , F_{46} , F_{47} , F_{48} , F_{49} , F_{50} , F_{51} , F_{52} , F_{53} , F_{54} , F_{55} , F_{56} , F_{57} , F_{58} , F_{59} , F_{60} , F_{61} , F_{62} , F_{63} , F_{64} , F_{65} , F_{66} , F_{67} , F_{68} , F_{69} , F_{70} , F_{71} , F_{72} , F_{73} , F_{74} , F_{75} , F_{76} , F_{77} , F_{78} , F_{79} , F_{80} , F_{81} , F_{82} , F_{83} , F_{84} , F_{85} , F_{86} , F_{87} , F_{88} , F_{89} , F_{90} , F_{91} , F_{92} , F_{93} , F_{94} , F_{95} , F_{96} , F_{97} , F_{98} , F_{99} , F_{100} . The drawing also includes a section line and a hatched area.



Identification

1.2	Manufacturer's type designation		PS E12B	PS E12N
1.3	Drive			3600
1.4	Operator type			Battery
1.5	Load Capacity / rated load	Q (t)		Pedestrian
1.6	Load centre distance	c (mm)		1.2
1.8	Load distance ,centre of drive axle to fork	x (mm)		600
1.9	Wheelbase	y (mm)		710
				1097

2.1	Service weight	kg	650	620
2.2	Axle loading, laden front/rear	kg	530 / 1320	520 / 1300
2.3	Axle loading, unladen front/rear	kg	450 / 200	440 / 180

3.1	Tires		Polyurethane
3.2	Tire size,front	Øx w (mm)	Ø210×75
3.3	Tire size,rear	Øx w (mm)	Ø84×93
3.4	Additional wheels(dimensions)	Øx w (mm)	Ø100×50
3.5	Wheels,number front/rear(x=driven wheels)		1x + 1 / 2
3.6	Tread, front	b10 (mm)	550
3.7	Tread, rear	b11 (mm)	400 / 515

4.2	Lowered mast height	h1(mm)	2280
4.3	Free Lift height	h2(mm)	-
4.4	Lift	h3(mm)	3514
4.5	Extended mast height	h4(mm)	4037
4.9	Height of tiller in drive position min./ max.	h14 (mm)	710 /1150
4.15	Height, lowered	h13 (mm)	90
4.19	Overall length	l1 (mm)	1710
4.20	Length to face of forks	l2 (mm)	560
4.21	Overall width	b1 (mm)	800
4.22	Fork dimensions	s/e/l (mm)	60 / 180 / 1150
4.25	Width across forks	b5 (mm)	570/685
4.32	Ground clearance, centre of wheelbase	m2 (mm)	24
4.33	Aisle width for pallets1000X1200 crossways	Ast (mm)	2167
4.34	Aisle width for pallets800X1200 lengthways	Ast (mm)	2133
4.35	Turning radius	Wa (mm)	1300

5.1	Travel speed, laden/ unladen	km/h	4.2/ 4.5
5.2	Lift speed, laden/ unladen	m/s	0.11/ 0.14
5.3	Lowering speed, laden/ unladen	m/s	0.13/ 0.11
5.8	Max. gradeability, laden/ unladen	%	5/ 10
5.10	Service brake		Electromagnetic

6.1	Drive motor rating S2 60min	kW	0.65	
6.2	Lift motor rating at S3 10%	kW	2.2	
6.3	Battery acc. to DIN 43531/ 35/ 36 A, B, C, no		No	
6.4	Battery voltage, nominal capacity K5	V / Ah	2x12/85 ¹⁾	24/60
6.5	Battery weight	kg	2x27 ²⁾	17
6.6	Energy consumption acc. to VDI cycle	kWh/h	0.6	

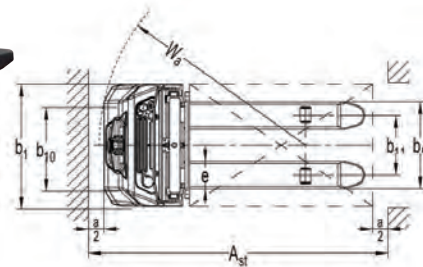
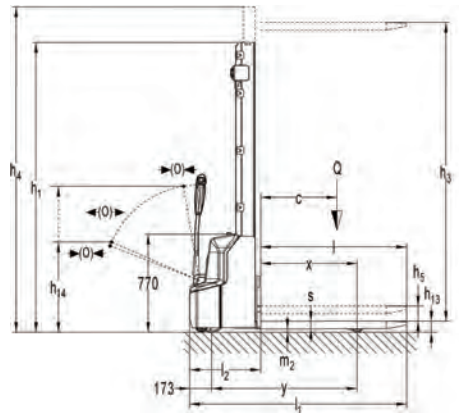
8.1	Type of drive control		DC
8.4	Sound level at driver's ear acc. to EN 12053	dB(A)	<70

1) Option: 2x12V/106Ah 2) 2x12V/106Ah : 2 x 34kg

PSE12BD/ND EDGE Stacker - Initial Lift

Mast table PSE 12BD/PSE 12ND

Designation	Lowered mast height h1 (mm)	Free lift height h2 (mm)	Lift height h3 (mm)	Extended mast height h4 (mm)	Lift+fork height h3+h13 (mm)
Single-stage mast	1970	1514	1514	1970	1600
	2370	1914	1914	2370	2000
	1820	-	2514	3070	2600
Two-stage mas	1970	-	2814	3377	2900
	2120	-	3114	3637	3200
	2320	-	3514	4077	3600



Type sheet for industrial truck acc. to VDI 2198

Identification		PS E12BD		PS E12ND	
1.2	Manufacturer's type designation			3600	
1.3	Drive			Battery	
1.4	Operator type			Pedestrian	
1.5	Load Capacity / rated load	Q (t)		1.2 ²⁾	
	Mast lifting capacity	Q (t)		1.2	
	Pallet lifting capacity	Q (t)		1.2	
1.6	Load centre distance	c (mm)		600	
1.8	Load distance ,centre of drive axle to fork	x (mm)		763/680 ⁴⁾	
1.9	Wheelbase	y (mm)		1192/1109 ⁴⁾	
Weights					
2.1	Service weight	kg	740		710
2.2	Axle loading, laden front/rear	kg	680 / 1260		670 / 1240
2.3	Axle loading, unladen front/rear	kg	510 / 230		490/ 220
Wheels- Chassis					
3.1	Tires			Electromagnetic	
3.2	Tire size,front	Øx w (mm)		Ø210×75	
3.3	Tire size,rear	Øx w (mm)		Ø84×93	
3.4	Additional wheels(dimensions)	Øx w (mm)		Ø100×50	
3.5	Wheels,number front/rear(x=driven wheels)			1x + 1 / 2	
3.6	Tread, front	b10 (mm)		550	
3.7	Tread, rear	b11 (mm)		400 / 515	
Basic Dimmensions					
4.2	Lowered mast height	h1(mm)		2320	
4.3	Free Lift height	h2(mm)		-	
4.4	Lift	h3(mm)		3514	
4.5	Extended maximal height	h4(mm)		4077	
4.6	Initial lift	h5(mm)		120	
4.9	Height of tiller in drive position min./ max.	h14 (mm)		710/1150	
4.15	Height, lowered	h13 (mm)		90	
4.19	Overall length	l1 (mm)		1752	
4.20	Length to face of forks	l2 (mm)		602	
4.21	Overall width	b1 (mm)		800	
4.22	Fork dimensions	s/e/l (mm)		60 /180/1150	
4.25	Width across forks	b5 (mm)		570/685	
4.32	Ground clearance, centre of wheelbase	m2 (mm)		16	
4.33	Aisle width for pallets1000X1200 crossways	Ast (mm)		2241/2192 ⁴⁾	
4.34	Aisle width for pallets800X1200 lengthways	Ast (mm)		2188/2169 ⁴⁾	
4.35	Turning radius	Wa (mm)		1395/1312 ⁴⁾	
Performance Data					
5.1	Travel speed, laden/ unladen	km/h		4.2/ 4.5	
5.2	Lift speed, laden/ unladen	m/s		0.11 / 0.14	
5.3	Lowering speed, laden/ unladen	m/s		0.13 / 0.11	
5.8	Max. gradeability, laden/ unladen	%		5 / 10	
5.10	Service brake			Electromagnetic	
E-Motor					
6.1	Drive motor rating S2 60min	kW		0.65	
6.2	Lift motor rating at S3 10%	kW		2.2	
6.3	Battery acc. to DIN 43531/ 35/ 36 A, B, C, no			No	
6.4	Battery voltage, nominal capacity K5	V / Ah	2x12/85 ¹⁾		24 / 60
6.5	Battery weight	kg	2x27 ³⁾		17
6.6	Energy consumption acc. to VDI cycle	kWh/h		0.66	
Other Details					
8.1	Type of drive control			DC	
8.4	Sound level at driver's ear acc. to EN 12053	dB(A)		<70	

1) Option: 2x12V/106Ah(AGM)»

3)When we operate the two layers: Mast lifting capacity< Pallet lifting capacity

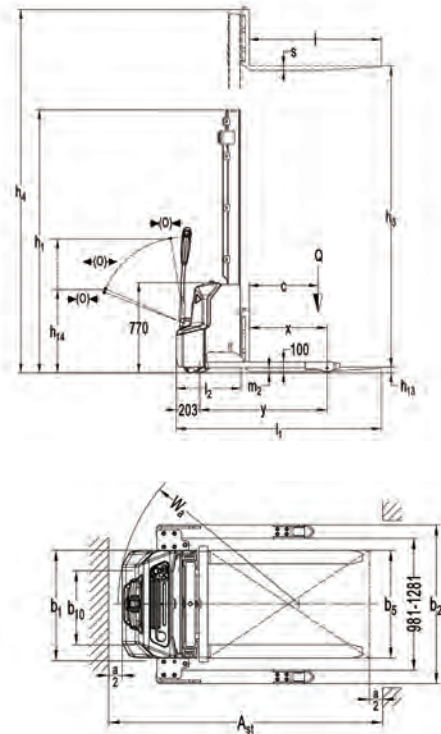
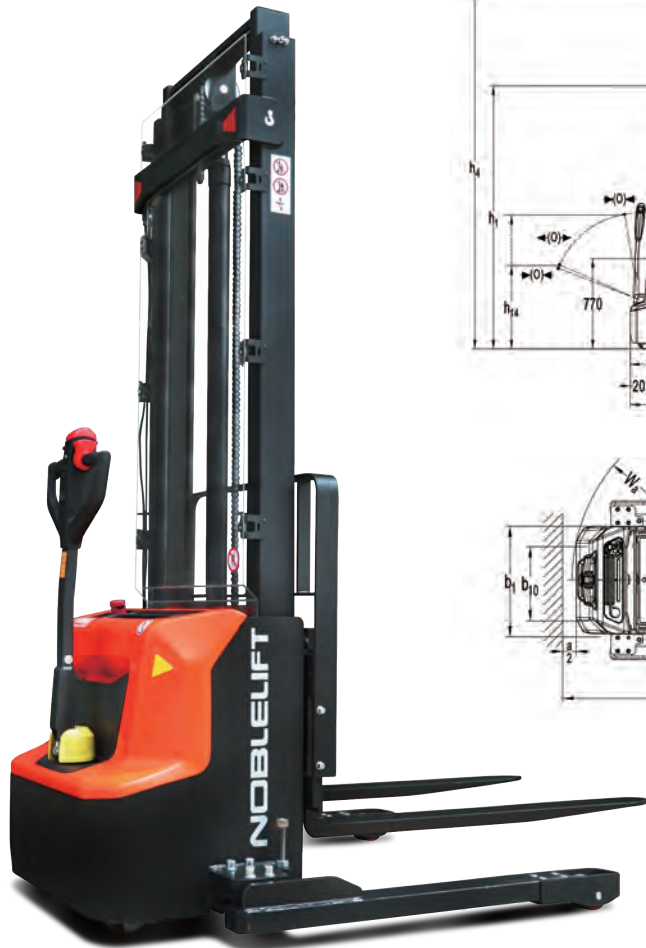
2) 2x12V/106Ah: 2x34kg

4) No initial lift/Initial lift

PSE12BSL/NSL EDGE Stacker - Straddle Legs

Mast table PSE 12BSL/SLPSE 12NSL

Designation	Lowered mast height h1 (mm)	Free lift height h2 (mm)	Lift height h3 (mm)	Extended mast height h4 (mm)	Lift+fork height h3+h13 (mm)
Single-stage mast	1940	1514	1514	2064	1564
	2340	1914	1914	2464	1964
	1790	-	2514	3064	2564
Two-stage mas	1940	-	2814	3364	2864
	2090	-	3114	3664	3164
	2290	-	3514	4064	3564



Type sheet for industrial truck acc. to VDI 2198

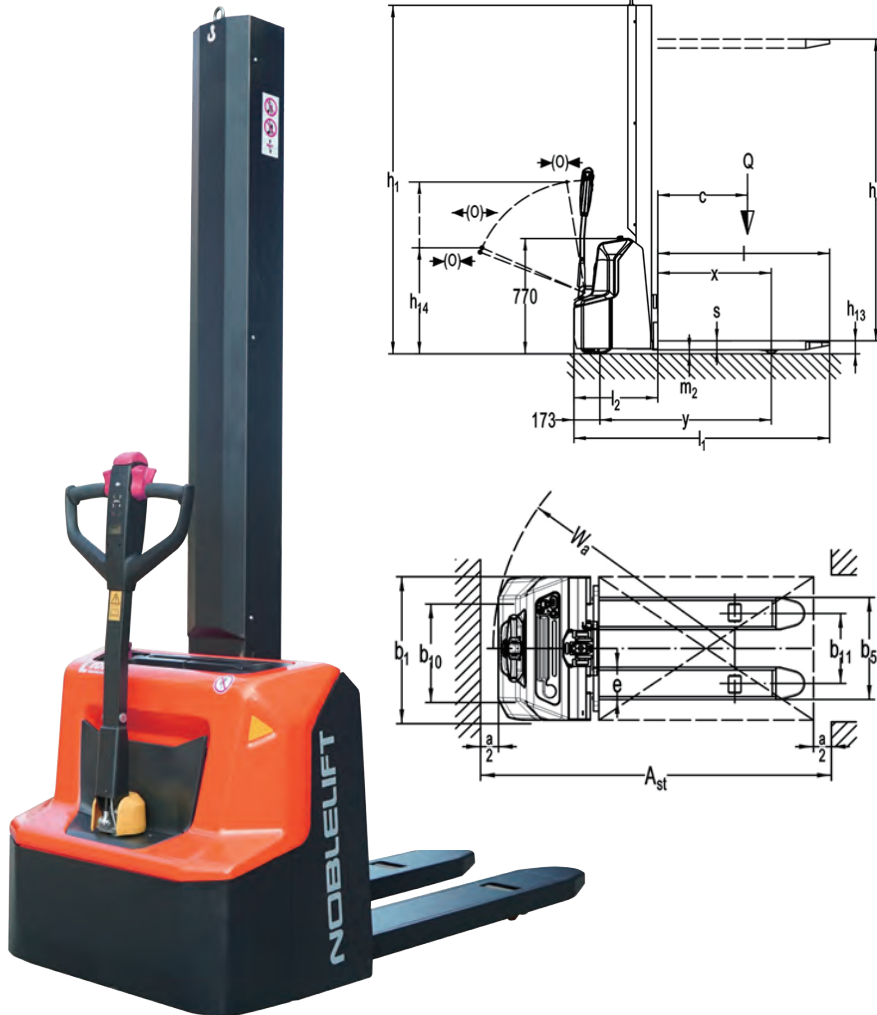
Identification		PSE12BSL		PSE12NSL
1.2	Manufacturer's type designation			3600
1.3	Drive			Battery
1.4	Operator type			Pedestrian
1.5	Load Capacity / rated load	Q (t)		1.2
1.6	Load centre distance	c (mm)		600
1.8	Load distance, centre of drive axle to fork	x (mm)		674
1.9	Wheelbase	y (mm)		1111
Weights				
2.1	Service weight	kg	860	825
2.2	Axle loading, laden front/rear	kg	760 / 1300	745 / 1280
2.3	Axle loading, unladen front/rear	kg	650 / 210	625 / 200
Wheels, Chassis				
3.1	Tires			Polyurethane
3.2	Tire size, front	Øx w (mm)		Ø210×75
3.3	Tire size, rear	Øx w (mm)		Ø84×93
3.4	Additional wheels(dimensions)	Øx w (mm)		Ø100×40
3.5	Wheels, number front/rear(x=driven wheels)			1x + 2 / 2
3.6	Tread, front	b10 (mm)		520
Basic Dimensions				
4.2	Lowered mast height	h1(mm)		2290
4.3	Free Lift height	h2(mm)		-
4.4	Lift	h3(mm)		3514
4.5	Extended maximal height	h4(mm)		4064
4.9	Height of tiller in drive position min./ max.	h14 (mm)		710 / 1150
4.15	Height, lowered	h13 (mm)		50
4.19	Overall length	l1 (mm)		1790
4.20	Length to face of forks	l2 (mm)		640
4.21	Overall width	b1 (mm)		800/(1181/1231/1281/1381/1481)
4.22	Fork dimensions	s/e/l (mm)		40 / 100 / 1150
4.25	Width across forks	b5 (mm)		252-800
4.32	Ground clearance, centre of wheelbase	m2 (mm)		40
4.33	Aisle width for pallets1000X1200 crossways	Ast (mm)		2228
4.34	Aisle width for pallets800X1200 lengthways	Ast (mm)		2206
4.35	Turning radius	Wa (mm)		1345
Performance Data				
5.1	Travel speed, laden/ unladen	km/h		4.2/ 4.5
5.2	Lift speed, laden/ unladen	m/s		0.11 / 0.14
5.3	Lowering speed, laden/ unladen	m/s		0.13 / 0.11
5.8	Max. gradeability, laden/ unladen	%		4 / 10
5.10	Service brake			Electromagnetic
E-Motor				
6.1	Drive motor rating S2 60min	kW		0.65
6.2	Lift motor rating at S3 10%	kW		2.2
6.3	Battery acc. to DIN 43531/ 35/ 36 A, B, C, no			No
6.4	Battery voltage, nominal capacity K5	V / Ah	2x12/85 ¹⁾	24 / 60
6.5	Battery weight	kg	2x27 ²⁾	17
6.6	Energy consumption acc. to VDI cycle	kWh/h		0.6
Other Details				
8.1	Type of drive control			DC
8.4	Sound level at driver's ear acc. to EN 12053	dB(A)		<70

1) Option: 2x12V/106Ah. 2) 2x12V/106Ah: 2x34kg.

PSE12BM/NM EDGE Stacker-Mono-Mast

Mast table PSE 12BM/PSE 12NM

Designation	Lowered mast height h1 (mm)	Free lift height h2 (mm)	Lift height h3 (mm)	Extended mast height h4 (mm)	Lift+fork height h3+h13 (mm)
one stage mast	1210	714	714	1210	800
	1930	1514	1514	1930	1600
	2330	1914	1914	2330	2000



Type sheet for industrial truck acc. to VDI 2198

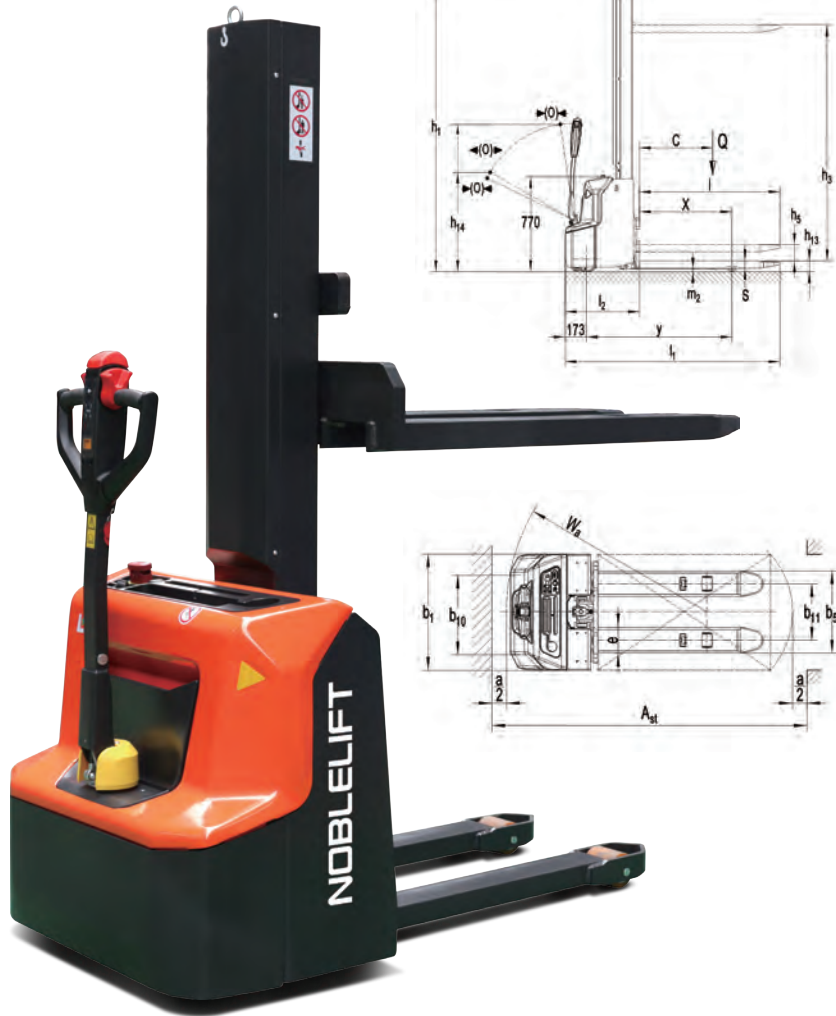
Identification		PSE12BM		PSE12NM
1.2	Manufacturer's type designation		2000	
1.3	Drive		Battery	
1.4	Operator type		Pedestrian	
1.5	Load Capacity / rated load	Q (t)	1.2	
1.6	Load centre distance	c (mm)	600	
1.8	Load distance ,centre of drive axle to fork	x (mm)	760	
1.9	Wheelbase	y (mm)	1147	
Weights				
2.1	Service weight	kg	530	500
2.2	Axle loading, laden front/rear	kg	500 / 1230	490 / 1210
2.3	Axle loading, unladen front/rear	kg	375 / 155	355/ 145
Wheels, Chassis				
3.1	Tires			Polyurethane
3.2	Tire size, front	Øx w (mm)	Ø210×75	
3.3	Tire size, rear	Øx w (mm)	Ø84×93	
3.4	Additional wheels(dimensions)	Øx w (mm)	Ø100×50	
3.5	Wheels, number front/rear(x=driven wheels)		1x + 1 / 2	
3.6	Tread, front	b10 (mm)	550	
3.7	Tread, rear	b11 (mm)	400	
Basic Dimensions				
4.2	Lowered mast height	h1(mm)	2330 ¹⁾	
4.3	Free Lift height	h2(mm)	1914	
4.4	Lift	h3(mm)	1914	
4.9	Height of tiller in drive position min./ max.	h14 (mm)	710 / 1150	
4.15	Height, lowered	h13 (mm)	90	
4.19	Overall length	l1 (mm)	1710	
4.20	Length to face of forks	l2 (mm)	560	
4.21	Overall width	b1 (mm)	800	
4.22	Fork dimensions	s/e/l (mm)	60 / 180 / 1150	
4.25	Width across forks	b5 (mm)	570	
4.32	Ground clearance, centre of wheelbase	m2 (mm)	24	
4.33	Aisle width for pallets1000X1200 crossways	Ast (mm)	2197	
4.34	Aisle width for pallets800X1200 lengthways	Ast (mm)	2145	
4.35	Turning radius	Wa (mm)	1350	
Performance Data				
5.1	Travel speed, laden/ unladen	km/h	4.2/ 4.5	
5.2	Lift speed, laden/ unladen	m/s	0.11 / 0.14	
5.3	Lowering speed, laden/ unladen	m/s	0.13 / 0.11	
5.8	Max. gradeability, laden/ unladen	%	5 / 10	
5.10	Service brake		Electromagnetic	
E-Motor				
6.1	Drive motor rating S2 60min	kW	0.65	
6.2	Lift motor rating at S3 10%	kW	2.2	
6.3	Battery acc. to DIN 43531/ 35/ 36 A, B, C, no		No	
6.4	Battery voltage, nominal capacity K5	V / Ah	2x12/85 ³⁾	24 / 60
6.5	Battery weight	kg	2x27 ³⁾	17
6.6	Energy consumption acc. to VDI cycle	kWh/h	0.6	
Other Details				
8.1	Type of drive control		DC	
8.4	Sound level at driver's ear acc. to EN 12053	dB(A)	<70	

1) Including the ring screw: +55mm. 2) Option: 2x12V/106Ah. 3) 2x12V/106Ah: 2x34kg.

PSE12BMD/PSE12NMD EDGE Stacker-Mono-Mast

Mast table PSE12BMD/PSE12NMD

Designation	Lowered mast height h1 (mm)	Free lift height h2 (mm)	Lift height h3 (mm)	Lift+fork height h3+h13 (mm)
one stage mast	1240	712	712	800
	1970	1512	1512	1600
	2370	1912	1912	2000



Type sheet for industrial truck acc. to VDI 2198

Identification		PSE12BMD		PSE12NMD
1.2	Manufacturer's type designation			2000
1.3	Drive			Battery
1.4	Operator type			Pedestrian
	Load Capacity / rated load			1.2 ¹⁾
1.5	Load Capacity / rated load (mast lift)	Q (t)		1.2
	Load Capacity / rated load (support arm lift)			1.2
1.6	Load centre distance	c (mm)		600
1.8	Load distance ,centre of drive axle to fork	x (mm)		756/673 ²⁾
1.9	Wheelbase	y (mm)		1192/1109 ²⁾
Weights				
2.1	Service weight	kg	645	610
2.2	Axle loading, laden front/rear	kg	575/1230	560/1210
2.3	Axle loading, unladen front/rear	kg	455/1220	430/1210
Wheels- Chassis				
3.1	Tires			Polyurethane
3.2	Tire size,front	Øx w (mm)		Ø210×75
3.3	Tire size,rear	Øx w (mm)		Ø84×93
3.4	Additional wheels(dimensions)	Øx w (mm)		Ø100×50
3.5	Wheels,number front/rear(x=driven wheels)			1x + 1 / 2
3.6	Tread, front	b10 (mm)		550
3.7	Tread, rear	b11 (mm)		390
Basic Dimensions				
4.2	Lowered mast height	h1(mm)		2375
4.3	Free Lift height	h2(mm)		1912
4.4	Lift	h3(mm)		1912
4.6	Extended mast height	h5 (mm)		120
4.9	Height of tiller in drive position min./ max.	h14 (mm)		710 / 1150
4.15	Height, lowered	h13 (mm)		88
4.19	Overall length	l1 (mm)		1760
4.20	Length to face of forks	l2 (mm)		608
4.21	Overall width	b1 (mm)		800
4.22	Fork dimensions	s/c/l (mm)		60 / 180 / 1150
4.25	Width across forks	b5 (mm)		570
4.32	Ground clearance, centre of wheelbase	m2 (mm)		22
4.33	Aisle width for pallets1000X1200 crossways	Ast (mm)		2245 / 2195 ³⁾
4.34	Aisle width for pallets800X1200 lengthways	Ast (mm)		2192 / 2175 ³⁾
4.35	Turning radius	Wa (mm)		1393 / 1330 ³⁾
Performance Data				
5.1	Travel speed, laden/ unladen	km/h		4.2/ 4.5
5.2	Lift speed, laden/ unladen	m/s		0.11 / 0.14
5.3	Lowering speed, laden/ unladen	m/s		0.13 / 0.11
5.8	Max. gradeability, laden/ unladen	%		5 / 10
5.10	Service brake			Electromagnetic
E-Motor				
6.1	Drive motor rating S2 60min	kW		0.65
6.2	Lift motor rating at S3 10%	kW		2.2
6.3	Battery acc. to DIN 43531/ 35/ 36 A, B, C, no			No
6.4	Battery voltage, nominal capacity K5	V / Ah	2x12/85 ⁴⁾	24 / 60
6.5	Battery weight	kg	2x27 ⁴⁾	17
6.6	Energy consumption acc. to VDI cycle	kWh/h		0.66
Other Details				
8.1	Type of drive control			DC
8.4	Sound level at driver's ear acc. to EN 12053	dB(A)		<70

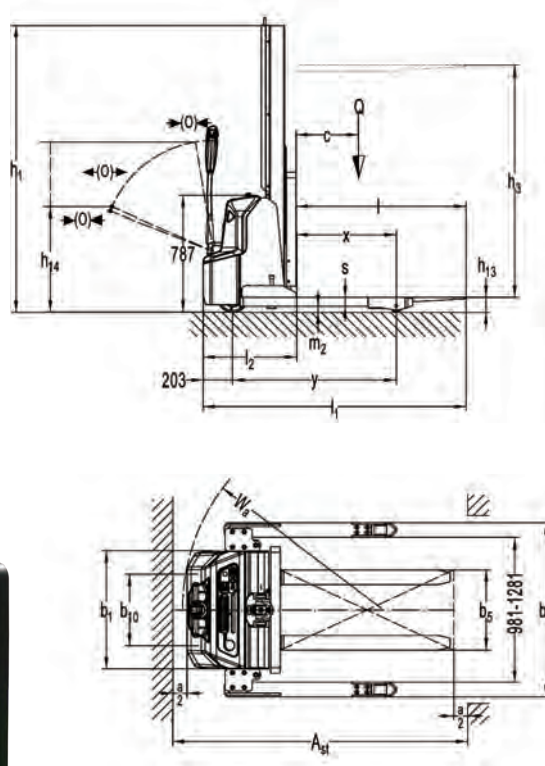
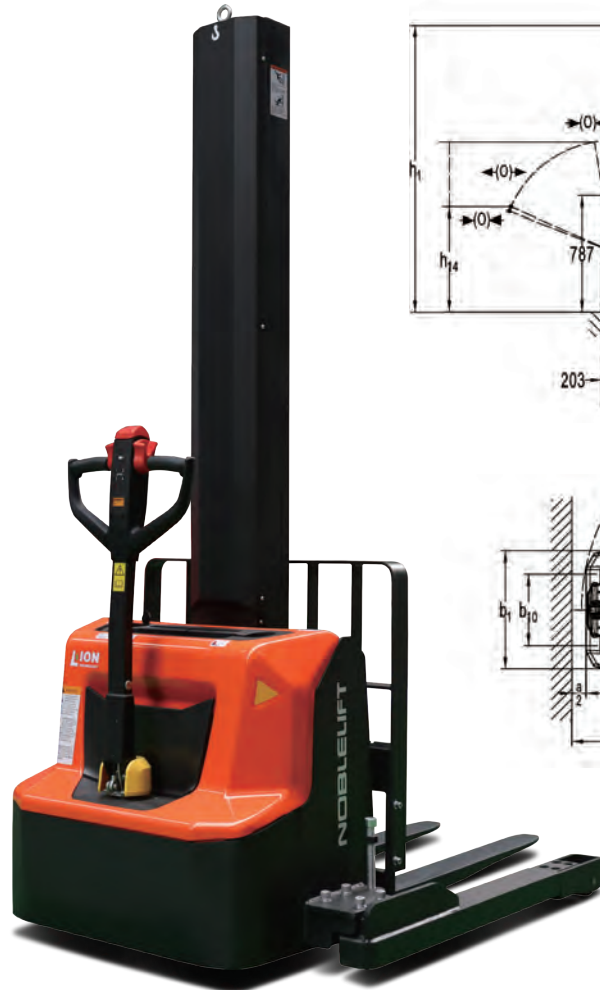
1) When operate the fork and pallet at the same time: Load Capacity / rated load (mast lift) < Load Capacity / rated load (support arm lift)

2) Load section lowered / Load section raised 3) Option: 2x12V/106Ah 4) 2x12V/106Ah : 2 x 34kg

PSE12BMSL/PSE12NMSL EDGE Stacker-Mono-Mast

Mast table PSE12BMSL/PSE12NMSL

Designation	Lowered mast height h1 (mm)	Free lift height h2 (mm)	Lift height h3 (mm)	Extended mast height h4 (mm)	Lift+fork height h3+h13 (mm)
one stage mast	1220 ¹⁾	680	740	1280	790
	1940 ¹⁾	1400	1540	2080	1590
	2340 ¹⁾	1800	1940	2480	1990



Type sheet for industrial truck acc. to VDI 2198

Identification		PSE12BMSL		PSE12NMSL	
1.2	Manufacturer's type designation			2000	
1.3	Drive			Battery	
1.4	Operator type			Pedestrian	
1.5	Load Capacity / rated load	Q (t)		1.2	
1.6	Load centre distance	c (mm)		600	
1.8	Load distance ,centre of drive axle to fork	x (mm)		674	
1.9	Wheelbase	y (mm)		1111	
Weights					
2.1	Service weight	kg	755		720
2.2	Axle loading, laden front/rear	kg	575/1380		560/1360
2.3	Axle loading, unladen front/rear	kg	515/240		490/230
Wheels, Chassis					
3.1	Tires			Polyurethane	
3.2	Tire size, front	Øx w (mm)		Ø210×75	
3.3	Tire size, rear	Øx w (mm)		Ø84×93	
3.4	Additional wheels(dimensions)	Øx w (mm)		Ø100×40	
3.5	Wheels,number front/rear(x=driven wheels)			1x + 2 / 2	
3.6	Tread, front	b10 (mm)		520	
Basic Dimensions					
4.2	Lowered mast height	h1(mm)		2340 ¹⁾	
4.3	Free Lift height	h2(mm)		1800	
4.4	Lift	h3(mm)		1940	
4.5	Extended mast height	h4 (mm)		2480	
4.9	Height of tiller in drive position min./ max.	h14 (mm)		727 / 1167	
4.15	Height, lowered	h13 (mm)		60	
4.19	Overall length	l1 (mm)		1790	
4.20	Length to face of forks	l2 (mm)		640	
4.21	Overall width	b1 / b2 (mm)		800 / (1181 / 1231 / 1281 / 1381 / 1481)	
4.22	Fork dimensions	s/e/l (mm)		40 / 100 / 1150	
4.25	Width across forks	b5 (mm)		252-800	
4.32	Ground clearance, centre of wheelbase	m2 (mm)		40	
4.33	Aisle width for pallets1000X1200 crossways	Ast (mm)		2228	
4.34	Aisle width for pallets800X1200 lengthways	Ast (mm)		2206	
4.35	Turning radius	Wa (mm)		1345	
Performance Data					
5.1	Travel speed, laden/ unladen	km/h		4.2/ 4.5	
5.2	Lift speed, laden/ unladen	m/s		0.11 / 0.14	
5.3	Lowering speed, laden/ unladen	m/s		0.13 / 0.11	
5.8	Max. gradeability, laden/ unladen	%		4 / 10	
5.10	Service brake			Electromagnetic	
E-Motor					
6.1	Drive motor rating S2 60min	kW		0.65	
6.2	Lift motor rating at S3 10%	kW		2.2	
6.3	Battery acc. to DIN 43531/ 35/ 36 A, B, C, no			No	
6.4	Battery voltage, nominal capacity K5	V / Ah	2x12/85 ³⁾		24 / 60
6.5	Battery weight	kg	2x27 ³⁾		17
6.6	Energy consumption acc. to VDI cycle	kWh/h		0.66	
Other Details					
8.1	Type of drive control			DC	
8.4	Sound level at driver's ear acc. to EN 12053	dB(A)		<70	

1) Stacker with eye-bolt: +57mm 2) Option: 2x12V/106Ah 3) 2x12V/106Ah : 2 x 34kg