



SBP12EAS Electric Stacker 1.2t

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Distinguishing mark				
1.1	Model designation		SBP12EAS	
1.2	Drive unit		Electric	
1.3	Type of operation		pedestrian	
1.4	Rated capacity	Q	kg	1200
1.5	Load center distance	c	mm	600
1.6	Load distance, centre of drive axle to fork	x	mm	618
1.7	Wheelbase	y	mm	1320
Weight				
2.1	Service weight (include battery)		kg	1150
2.2	Axle loading, laden driving side/loading side		kg	685/1525
2.3	Axle loading, unladen driving side/loading side		kg	665/485
Types, Chassis				
3.1	Tyre type Driving wheels/Loading wheels			PU/PU
3.2	Tyre size, driving wheels (diameter×width)		mm	Φ230×75
3.3	Tyre size, loading wheels (diameter×width)		mm	Φ102×50
3.4	Wheels, number driving, caster/loading (x=drive wheels)		mm	1x+0/4
3.5	Track width, rear, loading side	b ₁₁	mm	1045/1145/1245/1345
Dimensions				
4.1	Height, mast lowered	h ₁	mm	2110
4.2	Free lift	h ₂	mm	150
4.3	Lift height	h ₃	mm	3270
4.4	Height, mast extended	h ₄	mm	4185
4.5	Height drawbar in driving position min./max.	h ₁₄	mm	715/1200
4.6	Height of wheel arms	h ₈	mm	100
4.7	Lowered height	h ₁₃	mm	60
4.8	Overall length	l ₁	mm	1947
4.9	Length to face of forks	l ₂	mm	877
4.10	Overall width	b ₁ / b ₂	mm	1120/1420
4.11	Fork dimensions	s/ e/ l	mm	40/100/1070
4.12	Fork carriage width	b ₃	mm	800
4.13	Distance between fork-arms	b ₅	mm	200-760
4.14	Distance between wheel arms	b ₄	mm	970-1270(adjustable)
4.15	Ground clearance, center of wheelbase	m ₂	mm	60
4.16	Aisle width for pallets 1000 × 1200 crossways	Ast	mm	2405
4.17	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2400
4.18	Turning radius	Wa	mm	1490
Performance data				
5.1	Travel speed, laden/ unladen		km/ h	5.0/5.5
5.2	Lifting speed, laden/ unladen		m/ s	0.127/ 0.23
5.3	Lowering speed, laden/ unladen		m/ s	0.26/0.20
5.4	Max. gradeability, laden/unladen		%	8/ 16
5.5	Service brake type			Electromagnetic
Electric-engine				
6.1	Drive motor rating S2 60 min		kW	1.1
6.2	Lift motor rating at S3 15%		kW	2.2
6.3	The maximum allowed size battery		mm	650/225
6.4	Battery voltage/nominal capacity K5		V/ Ah	24/210
6.5	Battery weight		kg	160
Addition data				
8.1	Type of drive unit			AC
8.2	Steering type			Mechanical
8.3	Sound pressure level at the driver's ear			74

Note: For detailed customization, features and benefits of the truck, please contact your local dealership for more information.
Improvement made to truck may result in changes to the truck parameters.

Be in **CONTROL** of **DIVERSE** applications & **MULTIPLE** shifts

Available in **1.2 Tonnes**, the NSP12EAS series is a well-balanced truck capable of performing multiple work cycles and allow delicate lift up to a **maximum 4.5 meters stacking height**. Built with careful engineering considerations that capitalize on **ergonomic factor**, this series is endowed to handle various load type of different sizes and **various application possibilities**.

The chassis is deliberately **built with lowered structure** to enhance the overall truck stability and overcome most challenges posed in tight spaces. Regardless of working indoor or on docks, the NSP12EAS series is the **best qualified medium duty truck**, attributed to its **superb electromagnetic brake design**, is proficient to be deployed for use for use in any situation even moving on ramps.



✓ **Easy Maintenance & Improved Reliability**

- **Removable one piece power head cover** allows for easy maintenance.
- **Robust & maintenance free AC traction motor** allows smooth travel transition from point to point.
- **Plug in diagnostics** shorten time required for troubleshooting
- **AMP connectors and durable electrical harnesses** for greater reliability
- **Standard battery discharge indicator** (*indicates operating hours, battery level and error code)

Operator Safety

- **Automatic travel speed reduction** when the forks are lifted above the height setting
- **Fully adjustable straddle legs** to suit different cargo dimension
- **Dependable hydraulic system** when the forks are lifted above the height setting
- **Safe hydraulic system** design prevents mast from dropping abruptly due to sudden loss of hydraulic pressure or hydraulic leaks
- **Full electromagnetic brakes** keeps the truck steady on ramp movement and prevents it from rolling backward
- **Automatic lift lock function** ensures the mast maintain its original lift position even when there is a sudden disconnection of power supply
- **Automatic limit truck performance** when the remaining power is left with 20% battery charge

✓ **Quick Battery Change**

- **Battery drop down design** facilitates changing of battery more proficiently and also with easy access to the battery water refilling point

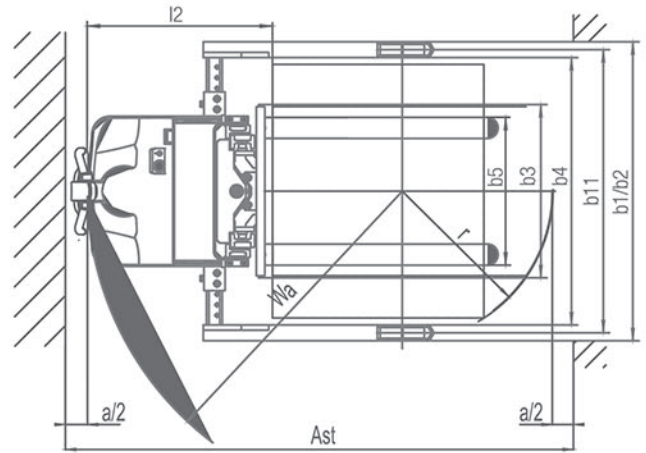
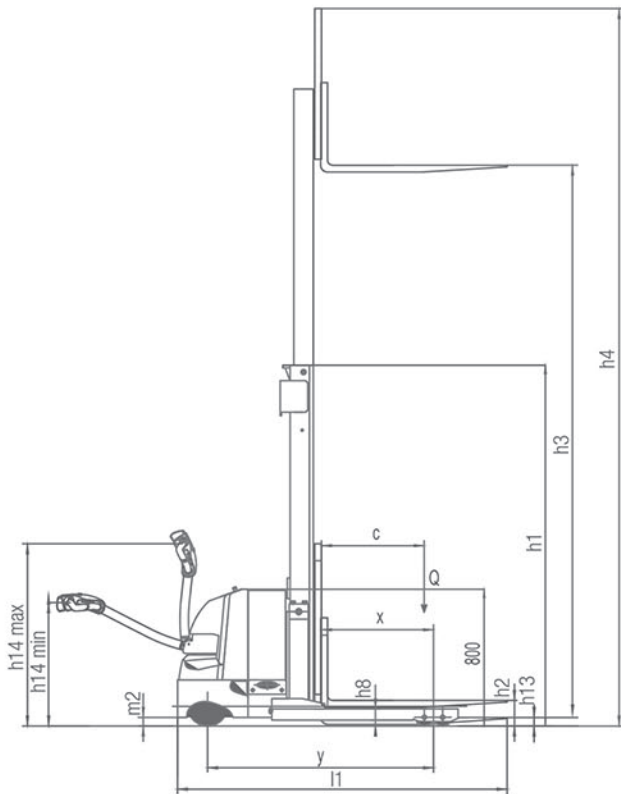
✓ **Multifunctional Controls**

- **Standard Pin-Code entry** with second level password setting limits unauthorized usage of truck
- **Multifunctional control handle** allow the operator to multitask lifting/lowering of the mast while travelling
- **Creep speed mode automatically** decreases the truck travel speed when the tiller arm is at near vertical position

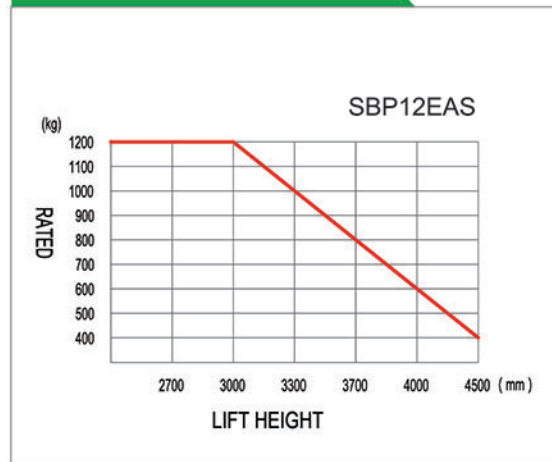
MORE productivity Options:

- **Enhanced free lifting:** Free lift up to 1200mm for 2 stage mast
- **High capacity battery:** 224Ah (4 x 6V Maintenance Free Batteries)





RATED CAPACITIES GRAPH



Mast Option

mast types	Lift h3+h13 (mm)	Lowered mast height h1 (mm)	Free lift h2 (mm)	Extended mast height h4 (mm)
Duplex ZT	2470	1710	150	3385
	2670	1810	150	3585
	2970	1960	150	3885
	3270	2110	150	4185
	3570	2260	150	4485
	3870	2410	150	4785
Duplex ZZ	2660	1819	904	3585
	2960	1969	1054	3885
	3260	2119	1204	4185
Triplex DZ	4000	1822	904	4915
	4500	2022	1104	5415
	4800	2122	1204	5715



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