



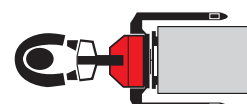
Powered Stacker with straddle support arms

The SWE120S is designed for easy operation in confined areas. A fully powered stacker with high performance but minimum size.

The SWE120S has adjustable fork widths, and support arms that straddle the load. Possibility to adjust the distance between the support arms to suit different applications.

The truck offers a capacity of 1200kg and a maximum lift height of 4100mm.

- The truck features a **three wheeled** chassis configuration (two support arm wheels and a fixed drive wheel) that provides maximum stability and traction.
- The **comfortable steering arm**, with its modern design, facilitates one hand operation — either left or right hand. The display on the handle gives useful information.
- **Combined hour meter/battery discharge controller**. Records exact running time of the truck and indicates the status of the battery. Prohibits complete discharge, thereby protecting the battery.
- The **BT POWERDRIVE system**. The unique integration of contactless controls, CAN-Bus communication and a separately excited drivemotor gives many advantages. The contactless controls give smooth and effortless driving. The CAN-Bus communication provides quick, reliable transmission and only a few communication cables are needed. The separately excited drivemotor allows easy programming of its performance — top speed, acceleration and automatic speed reduction — to suit the application.
- Standard configuration is **electric lift/lowering**. By using a lever the load can also be softly lowered **mechanical**. Very useful by heavy or fragile load.
- Choice of having **PIN Code** (up to 10) instead of key. Provides access control. Each code can store individual parameters to meet the driver's skill / environment.
- A **generous compartment** for storing various equipment / personal items.
- Exceptional battery power with capacities available up to 320Ah, with two alternative **battery compartments** for continuous operation shift after shift.



Technical Details		SWE120S
Rated capacity	kg	1200
Load centre	mm	600
Weight without battery	kg	765
Max. axle load drive wheel, without/with rated load	kg	690/735
Max. axle load supp.wheels, without/with rated load	kg	355/1510
Drive wheel, Powerfriction	mm	Ø 215x70
Support arm wheels, bogie or single, Vulkollan	mm	Ø 100x75
Travel speed, without/with 750kg/with rated load	km/h	6.0/6.0/5.3
Lift speed, without/with rated load	m/s	0.19/0.10
Lowering speed, electric, without/with rated load	m/s	0.15/0.19
Lowering speed, mechanical, without/with rated load	m/s	0.15/0.19
Gradient, without/with rated load	%	10/8 ¹⁾
Service-/parking brake		electromagnetic
Drive motor/Intermittent rating	kW/%	1.2/60
Lift motor/Intermittent rating	kW/%	2.2/5.0
Battery (5h discharge), min./max.	Ah	240/320
Battery weight, min./max.	kg	150/250
Steering system		steering arm
Speed control		BT Powerdrive
Steering arc	°	208

Dimensions, mm		SWE120S
x	Back of fork to wheel centre, bogie/single	697/697
y	Wheel base	1332
h ₇	Platform height	150
h ₁₄	Height of handle in neutral pos.	1365
h ₈	Height of support arm	100
h ₁₃	Height of lowered fork	50
l ₂	Truck length incl. fork face, without/with platform up/down	805/897/1271
b ₁	Chassis, width	800
s	Fork thickness	40
e	Fork width	100
l	Fork length	1150
b ₅	Width across fork, min./max.	252/800
b ₄	Width between support arms, min./max.	900/1300
b ₁₄	Width of support arm	100
m ₁	Floor clearance under mast	40
A _{st}	Aisle width, min	2222 ²⁾
W _a	Turning radius, without/with platform up/down	1519/1620/1995

Mast, mm		Simplex		Duplex Tele				Duplex Hi-Lo				
h₂₃	Total lift height	1350	1650	2650	2850	3250	3650	2650	2850	3250	3650	4100
h ₁	Height of mast, min.	1790	2095	1809	1915	2114	2314	1809	1915	2114	2314	2539
h ₂	Free lift	1350	1650	150	150	150	150	1350	1450	1650	1850	2075
h ₄	Height of mast, max.	1790	2095	3080	3290	3690	4090	3080	3290	3690	4090	4540

1) Due to motor characteristics. Please ask technical support regarding driving on ramps and gradients

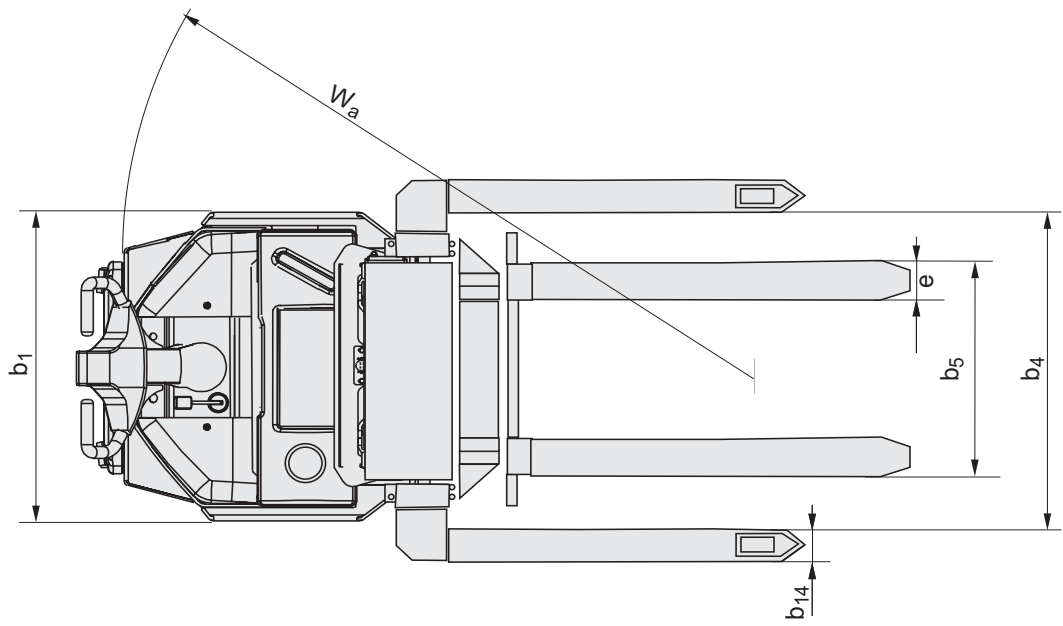
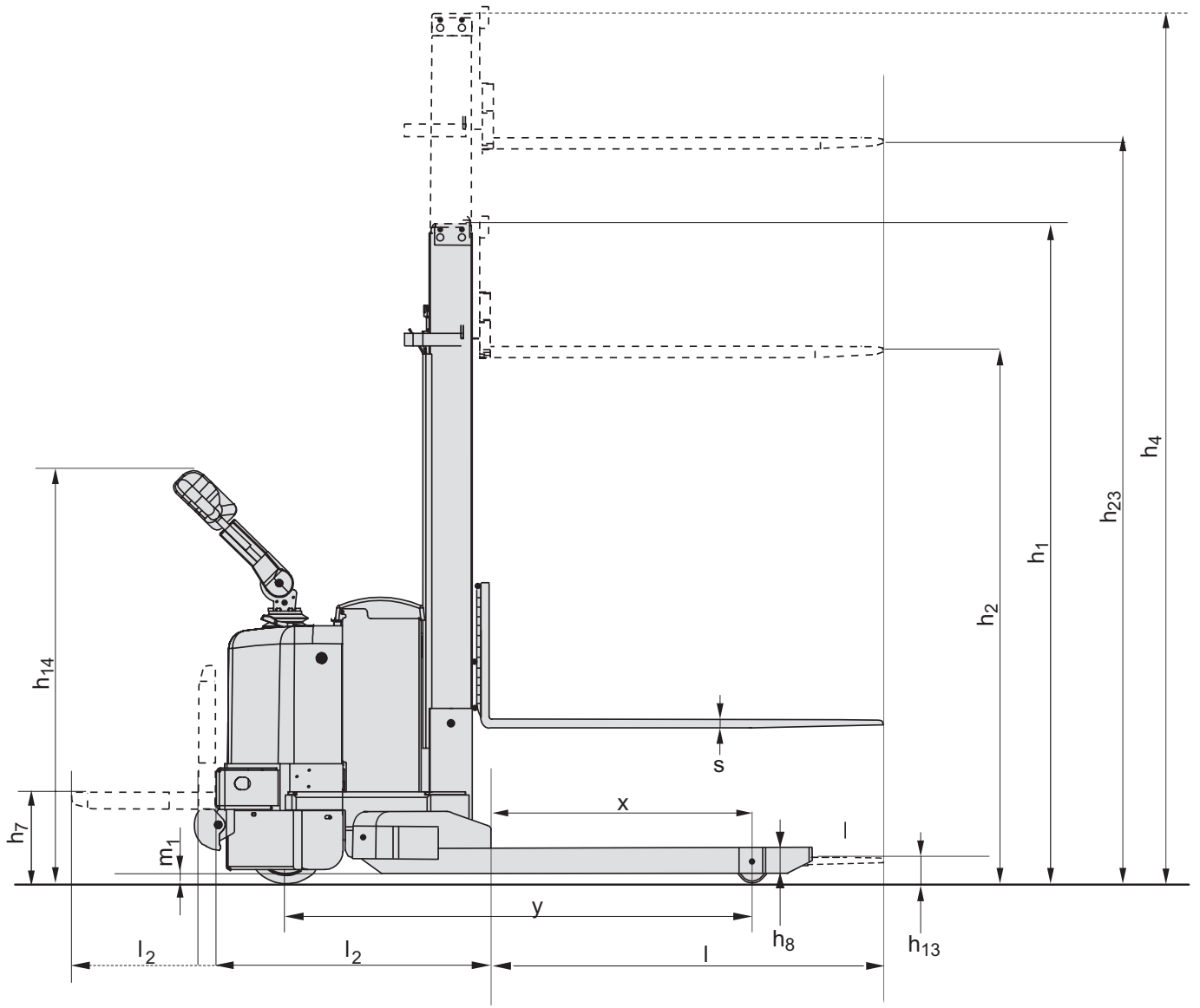
Data is based on medium battery compartment, l = 1150mm, h₂₃ = 3250mm, without platform

2) Platform up/down = + 101mm resp. 476mm

Performance may vary due to motor and system efficiency tolerance and represents nominal values obtained under typical operating conditions.

BT Products AB products and specifications are subject to change without notice.

All data is based on VDI 2198.





Options

- **Load support**

To provide additional safety for load and operator.

- **Built-in charger**

The additional feature of a built-in charger placed in front of the electrical panel. Does not reduce the battery capacity.

- **Turtle button**

Comfortable placed on the steering arm. An on/off function for slower speed. Programmable from 40% up to 100%.

- **Integrated spring loaded and foldable platform**

The platform is spring loaded to reduce vibrations on uneven surfaces. The platform also improves driver safety.

