BT Staxio

SWE120S













Pedestrian Stacker straddle version

BT Staxio

Specification for stacker trucks					SWE120S
Identification	1.1	Manufacturer			BT
	1.2	Model			SWE120S
	1.3	Drive			Electric
	1.4	Operator type			Pedestrian
	1.5	Load capacity/rated load	Q	kg	1200
	1.6	Load centre	c	mm	600
	1.8	Load distance, centre of support arm wheel to face of forks	x	mm	561
	1.9	Wheelbase	y	mm	1208
Weight	2.1	Service weight including battery		kg	1009
	2.2	Axle load, with load, drive/support arm wheel		kg	635/1580
	2.3	Axle load, without load, drive/support arm wheel		kg	675/340
Wheels	3.1	Drive/support arm wheel			Powerfriction/Vulkollan *)
	3.2	Wheel size, front		mm	Ø230x70
	3.3	Wheel size, rear		mm	Ø100x73
	3.5	Wheels, number front/rear (x=driven wheels)			1x/2
	3.7	Track width, rear	b_{10}	mm	1000
Dimensions	4.2	Height, mast lowered	h_1	mm	1835 *)
	4.3	Free lift	h_2	mm	1407 *)
	4.4	Lift	h_3	mm	2655 *)
		Lift height	h_{23}	mm	2655 *)
	4.5	Height, mast extended	h_4	mm	3141 *)
	4.8	Stand height (optional platform)	h_7	mm	150
	4.9	Height of tiller in drive position, min./max.	h_{14}	mm	865/1235
	4.10	Height of support arm	h_{10}	mm	100
	4.15	Height, fork lowered	h_{13}	mm	50
	4.19	Overall length	l_1	mm	1946
	4.20	Length to face of forks	l_2	mm	796
	4.21	Overall width	b_1/b_2	mm	770/1100 *)
	4.22	Fork dimensions	s/e/l	mm	40/100/1150 *)
	4.24	Fork-carriage width	b_3	mm	840
	4.25	Width over forks	b_5	mm	252—800
	4.26	Distance between support arms	b_4	mm	900 *)
	4.31	Ground clearance, with load, below mast	m_1	mm	32
	4.32	Ground clearance, centre of wheelbase	m_2	mm	40
	4.33	Aisle width for pallets 1000x1200 crossways	A_{st}	mm	2400
	4.34	Aisle width for pallets 800x1200 lengthways	A_{st}	mm	2313
	4.35	Turning radius	W_a	mm	1359
Performance data	5.1	Travel speed, with/without load		km/h	6/6
	5.2	Lift speed, with/without load		m/s	0.11/0.21
	5.3	Lowering speed, with/without load		m/s	0.33/0.24
	5.8	Max. gradeability, with/without load		%	8/10 1)
	5.10	Service brake			Electromagnetic
Electric motor	6.1	Drive motor rating S2 60 min		kW	1.0
	6.2	Lift motor rating at S3 15%		kW	2.2 2)
	6.4	Battery voltage/nominal capacity K_5		V/Ah	24/225 *)
	6.5	Battery weight		kg	214 *)
Others	8.1	Type of drive control			BT Powerdrive

1) Measured according to company standard

2) S3 6%

*) Further alternatives are available and will produce other values.

Data is based on standard configurations: Medium battery compartment, h_{23} = 2655 mm Duplex HiLo mast.

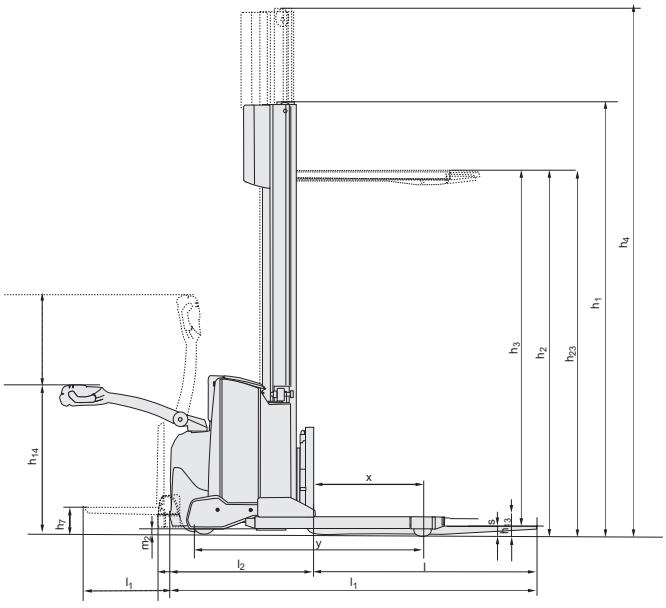
Truck performance and dimensions are nominal and subject to tolerances.
BT Products AB products and specifications are subject to change without notice.

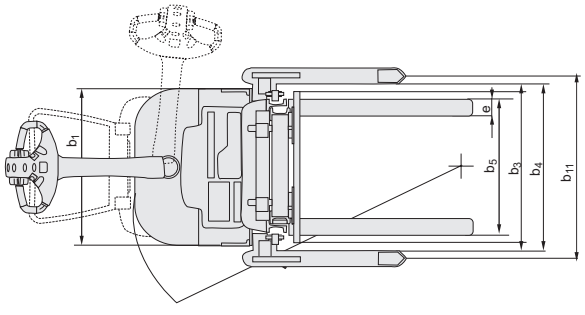
Battery dependent dimensions

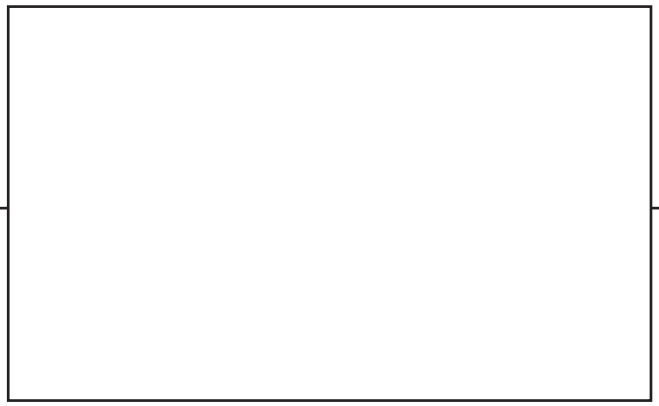
Dimensions		Battery Compartment		SWE120S	
				Medium	Large
1.9	Wheelbase	y	mm	1208	1258
4.19	Overall length without platform with platform up/down	l_1	mm	1946 2031/2421	1996 2081/2471
4.20	Length to face of forks without platform with platform up/down	l_2	mm	796 881/1271	846 931/1321
4.33	Aisle width for pallets 1000x1200 crossways without platform with platform up/down	A_{st}	mm	2400 2485/2885	2449 2534/2934
4.34	Aisle width for pallets 800x1200 lengthways without platform with platform up/down	A_{st}	mm	2313 2398/2798	2362 2447/2847
4.35	Turning radius without platform with platform up/down	W_a	mm	1359 1444/1844	1408 1493/1893
6.4	Battery voltage, nominal capacity K_5		V/Ah	24/225	24/300
6.5	Battery weight, min.—max.		kg	180—220	220—270

Mast dimensions

SWE120S			Simplex		Duplex Tele					Dupl. Tele Panoram. View					Duplex HiLo					Triplex HiLo				
h_{23}	Lift height (h_{13}+h_3)	mm	1355	1655	2655	2855	3255	3655	4105	2655	2855	3255	3655	4105	2655	2855	3255	3655	4105	3255	3655	4105	4455	4755
h_3	Lift	mm	1305	1605	2605	2805	3205	3605	4005	2605	2805	3205	3605	4005	2605	2805	3205	3605	4005	3205	3605	4005	4405	4705
h_1	Height, mast lowered	mm	1825	2125	1851	1951	2151	2351	2576	1835	1935	2135	2335	2560	1835	1935	2135	2335	2560	1695	1829	1979	2095	2195
h_2	Free lift, ground to top of forks	mm	1455	1655	166	166	166	166	166	166	166	166	166	166	1407	1507	1707	1907	2132	1256	1390	1540	1656	1756
h_4	Height, mast extended	mm	1825	2125	3136	3336	3736	4136	4586	3120	3320	3720	4120	4570	3141	3341	3741	4141	4591	3747	4149	4599	4947	5247







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