

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
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_s		V/Ah	24/225 *)
	6.5	Battery weight		kg	214 *)
	Others	8.1	Type of drive control		

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 Panor. 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	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	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	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	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												



